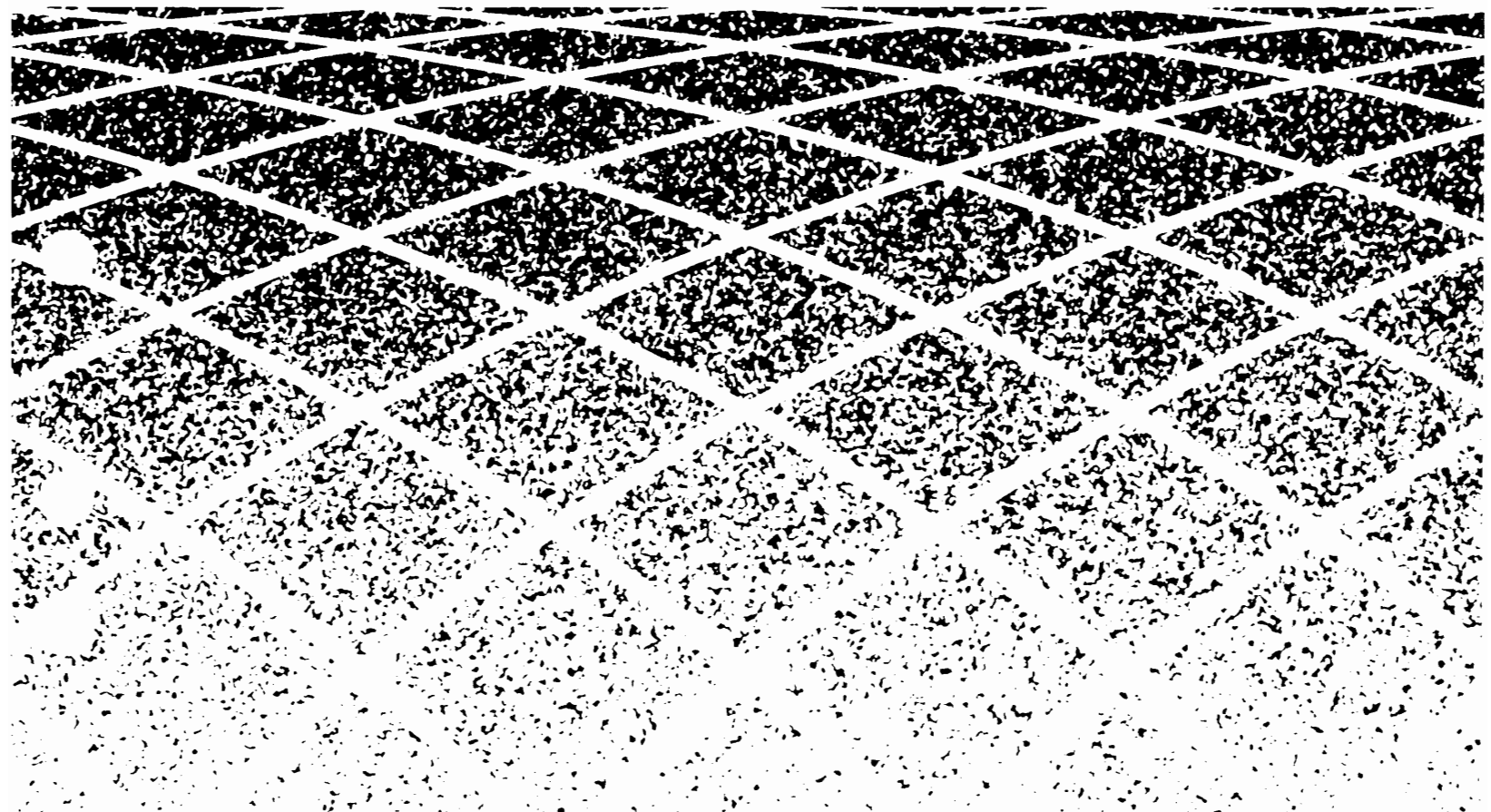




AT&T 000-000-002  
Issue 16  
June 1995

# **AT&T Master Index 9-Digit Numbered Documents**

## **Alphabetical and Numerical Listings**



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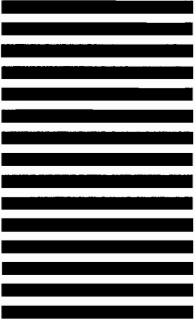
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- Add more troubleshooting information
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<b>Contents</b>	<b>Page</b>
<b>1. Overview</b>	<b>1</b>
Purpose	1
Numbering and Referencing	1
Indexing	1
Reference Symbols	2
Issue Identifiers	3
Addenda	3
Revisions	3
Appendixes	3
Supplements	4
Ordering	4
<b>2. Master Alphabetical Index — All Divisions</b>	<b>5</b>
Purpose	5
<b>3. Master Numerical Index — 9-Digit Plan — All Divisional Indexes</b>	<b>83</b>
<b>4. Divisional Numerical Indexes</b>	<b>91</b>
000 — General Information—Common—Apparatus—Miscellaneous Equipment, Materials, Circuits, and Methods—Tools and Gauges	91
100 — Test Equipment—Power—Signaling Equipment—Operations Support Systems—Computer Systems	187

<b>Contents</b>	<b>Page</b>
200 — Switching Systems (Step-by-Step; Crossbar; ESS™ Switches; Distributing Frames)	309
300 — Transmission and Signaling Systems and Testing (Switched/Non-Switched Services; Private Line, Voice and Voiceband Data Systems; Analog and Digital Carrier; Loop; Program; Television; Picturephone)	533
400 — Radio—Customer Equipment—Special Services (Cellular; Wireless; Costal Harbor; High Seas; Overseas; Emergency Point-to-Point; Analog and Digital Microwave)	685
500 — Business Systems and Private Branch Exchanges—Data Systems Division—Data Communications and Terminal Equipment—Computer Products	817
600 — Outside Plant—Test Center Operation—Loop Assignment	1031
700 — Motor Vehicles—Materials Management—Business Information System—Building—Engineering Planning—Engineering Administration—Common Language	1129
800 — Equipment Design and General Requirements—Transmission Engineering	1187
900 — Outside Plant Engineering—Radio Engineering—General Descriptive Information	1339



# AT&T Master Index

## 9-Digit Numbered Documents

### Alphabetical and Numerical Listings

## 1. Overview

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### Purpose

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- 1.01** This master index provides a listing of all AT&T documents that are identified under the 9-digit numbering plan and may be ordered through the AT&T Customer Information Center. These documents are instructions and criteria for planning, engineering, installing, operating, and maintaining telecommunications equipment and software products designed and manufactured by AT&T. These documents also play an important part in the training of personnel.
- 1.02** This index is being reissued as a scheduled revision to include all new and reissued documents.
- 1.03** Recommendations for changes to this index should be forwarded to AT&T Document Number Assignment Administrator, Document Development Organization, 2400 Reynolda Road, Winston-Salem, NC 27106.

### Numbering and Referencing

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- 1.04** A 9-digit (XXX-YYY-ZZZ) numbering plan is used for AT&T documents with each document being assigned a unique 9-digit number in accordance with the subject matter covered. This plan permits organizing information into various categories to simplify indexing and improve accessing. This plan also provides a convenient means for ordering, distributing, and filing documents.

- 1.05** In the 9-digit numbering plan, the first three digits, XXX, identify major categories of information and are referred to as *division* numbers. The fourth digit, xxx-Y, identifies a subdivision of a given category of information and is referred to as the *layer* number. The fifth and sixth digits, xxx-yYY, represent a further breakdown and are referred to as *sublayer* numbers. This scheme permits the breakdown of a division into subcategories of information. The last three digits, xxx-yyy-ZZZ, identify individual documents within a grouping (layers and sublayers) and are referred to as *key* numbers.

- 1.06** Documents are listed in numerical order and grouped according to divisions applying to specific equipment types and services.

- 1.07** The allocation of divisions according to various categories of equipment and services is shown in Part 3.

### Indexing

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- 1.08** This *AT&T Master Index 9-Digit Numbered Documents* (000-000-002) contains the following indexes:

- Master Alphabetical Index — All Divisions
- Master Numerical Index — 9-Digit Plan — All Divisional Indexes
- Individual Divisional Numerical Indexes.

- 1.09** *Master Alphabetical Index*: This index, AT&T 000-000-001, provides a list of all subjects covered in AT&T documents that are identified by 9-digit numbers. Each subject is cross-referenced to the numerical division (first three digits) in which

that subject can be found. See Part 2 of this index.

**1.10 *Master Numerical Index — 9-Digit Plan — All Divisional Indexes:*** This index, AT&T 000-000-005, provides a list of all numerical divisions. Each division is cross-referenced to the subject matter covered in that division. See Part 3 of this index.

**1.11 *Individual Divisional Numerical Index:*** An index of this type, AT&T XXX-000-000, is provided for each division. All AT&T documents within a division, along with their current issue numbers, are listed numerically (nine digits) and the subject matter covered by each is identified. See Part 4 of this index. Each index is updated and released quarterly to include new or reissued documents within that division.

**1.12** In addition to this master index, other indexes provide a cross-reference between subject matter and document identity. The arrangement of the content of an index varies according to the intent of the index. The content of a given index may be arranged in one of the following schemes:

- Subject matter listed alphabetically
- Subject matter listed numerically
- Subject matter listed alphanumerically
- Subject matter permuted and listed alphabetically.

Other indexes issued are:

- Divisional Alphabetical Index
- Interdivisional Alphanumerical Index
- Interdivisional Numerical Index.

**1.13 *Divisional Alphabetical Index:*** An index of this type is provided only when justified. Each index provides a list of all subjects covered in that division. Each subject is cross-referenced to the AT&T document (nine digits) in which that subject can be found. An example is AT&T 218-000-001, No. 5 Crossbar Offices.

**1.14 *Interdivisional Alphanumerical Index:*** An index of this type is provided only when justified. Each index provides a listing of selected AT&T documents (nine digits, AT&T letters, CIRs, selected coded, and OSDDs.), along with their current issue numbers, containing subject matter for a particular system or service offering. The documents (nine digits) are listed under applicable alphabetized headings. The documents under each heading are listed in numerical sequence. An example is AT&T 533-000-001, ESS™ Provided Services — Customer Premises Systems.

**1.15 *Interdivisional Numerical Index:*** An index of this type is provided only when justified. Each index provides a numerical listing (nine digits) of all documents (regardless of divisions), along with their current issue numbers, containing subject matter for a particular system or service offering. An example is AT&T 234-000-005, 4 ESS™ Switch.

#### Reference Symbols

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**1.16** Various symbols are used to denote special conditions of handling, distributing, etc., and are explained in each index as applicable. The symbols are listed as follows:

**1.17** A bullet (●) indicates an item that has been added or changed since the previous issue of the individual index.

**1.18** An open square (□) indicates a cancelled item. Information relating to the cancellation, if necessary, will be shown in a note following the item. Cancelled items and related notes will be deleted upon reissue of the individual index.

**1.19** A square with an enclosed "A" (◻) indicates an archived item. An archived document is one that, in all probability, will never be revised and/or has had no distribution activity for an extended period of time. Archived documents can be ordered.

- 1.20** A solid square (■) indicates that distribution of this item is limited.
- 1.21** A solid circle with an enclosed "1" (●) indicates an item that will not be distributed on standing order.
- 1.22** A solid triangle (▲) indicates a TOP (Task Oriented Practice.)
- 1.23** An electronic media symbol (Ⓢ) indicates an item is available on CD-ROM, magnetic tape, or other electronic media.
- 1.24** Addenda, revisions, and supplements are listed *above* the associated document. Appendixes are listed *under* the associated document.

#### Issue Identifiers

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- 1.25** Each document is assigned an arabic number as an issue identifier with the first issue being Issue 1. Each reissue is assigned the next higher number. When Issue 99 has been reached, the next issue will revert to Issue 1.
- 1.26** Revisions to documents are numbered and each revision issue is identified by the revision date.

#### Addenda

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- 1.27** An addendum to a document is issued when there is an urgent need to add, to change, or to delete information. Addenda are limited to one sheet (two pages) and only one addendum can exist for a document. Each addendum is self-contained and should be filed in front of the document it addends.
- 1.28** The 9-digit number of an addendum is the same as that of the document it addends. It is assigned an issue identifier and dated in the same manner as other documents.

- 1.29** Addenda are shown in the appropriate divisional numerical index by the word "Addendum" and is listed above the associated document.

#### Revisions

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- 1.30** A revision to a document is issued when there is an urgent need to add, to change, or to delete information. Revisions update documents by page(s) or chapter(s). More than one revision can exist for a document and revisions to a document can accumulate to 50% of the total document before a reissue of the base document is required.
- 1.31** The first revision is designated Revision 1. Additional revisions are designated Revision 2, Revision 3, etc.
- 1.32** The 9-digit number of a revision is the same as that of the document it updates. The date of issue serves as the issue identifier for a revision.
- 1.33** Revisions are shown in the appropriate divisional numerical index by the word "Revision" and is listed above the associated document.

#### Appendixes

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- 1.34** An appendix to a document is used to cover permanent information that is optional or is supplemental to the information within the document. Hence, an appendix does not refer to the issue number of the document being appended.
- 1.35** The first appendix is designated Appendix 1. Additional appendixes are designated Appendix 2, Appendix 3, etc. Each appendix has a unique title describing its contents.
- 1.36** The 9-digit number of an appendix is the same as that of the document it appends. It will be assigned an issue identifier and date of issue in the same manner as other documents.

**1.37** Appendixes are shown in the appropriate divisional numerical index by the word "Appendix" and is listed below the associated document.

### Supplements

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**1.38** A supplement to a document is used to cover information that is supplemental to and different from the information within the base document.

**1.39** The first supplement is designated Supplement 1. Additional supplements are designated Supplement 2, Supplement 3, etc. Each supplement has a unique title describing its contents.

**1.40** The 9-digit number of a supplement is the same as that of the document it supplements. It is assigned an issue identifier and date of issue in the same manner as other documents.

**1.41** Supplements are shown in the appropriate divisional numerical index by the word "Supplement" and is listed above the associated document.

### Ordering

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**1.42** Most documents, as well as specific indexes, are available from CIC. Others are available from other AT&T sources through CIC. Order by contacting the AT&T Customer Information Center, P. O. Box 19901, Indianapolis, IN 46219, (800) 432-6600 or (317) 322-0011.

**1.43** Only the latest issue of each document is available. The latest issue numbers are shown in the divisional numerical indexes.

**1.44** *Addenda, Revision, Appendixes, and Supplements — Hard Copy:* Addenda, revisions, appendixes, and supplements can be ordered in hard copy form without ordering the document being addended, revised, appended, or supplemented. However, if a document having an associated

AT&T issued addendum or revision is ordered, the addendum or revision will automatically be supplied with the document. Appendixes and supplements must be ordered separately.

**1.45** *Addenda, Revisions, Appendixes, and Supplements — On Microfiche:* If a document has an associated AT&T issued addendum, revision, and/or appendix and is available on microfiche, the document and its addendum, revision and/or appendix are entered on the same microfiche. Consequently, neither the document nor its addendum, revision, or appendix can be ordered separately.

## 2. Master Alphabetical Index — All Divisions

### Purpose

**2.01** This index provides an alphabetically-arranged list of the subjects covered in AT&T 9-digit documents. Each subject is cross referenced to the division in which information pertaining to that subject can be found. Only the first three digits of the 9-digit division number are shown.

### A

A-1 Vogad . . . . .	403	AC and DC TRIPORTS . . . . .	167
A-I-NET™ STP (Signal Transfer Point) . . . . .	256	AC-DC Motor-Alternators . . . . .	155
A-I-Net Service Control Node (SCN) . . . . .	270	ACCULINK® Multiplexers . . . . .	314
A-I-Net Service Control Point (SCP) . . . . .	270	ACCUMASTER Network Services System . . . . .	585
A-I-Net Service Development . . . . .	270	ACCUMASTER Trouble Tracker . . . . .	585
A-I-Net Service Support . . . . .	270	ACCUMASTER® Intergrator . . . . .	585
A1 Digital Data Signaling System . . . . .	314	ACCUNET . . . . .	314
A1 Digital Data System . . . . .	592	ACCUNET Information Manager (AIM) . . . . .	314
A1 and A2 Noise Reducers . . . . .	404	ACCUNET Packet Service (Marketing Information) . . . . .	015, 314
A1-A5 Channel Banks — Description . . . . .	356	ACCUNET Terrestrial 1.5 Service . . . . .	880
A1-A5 Channel Banks — Tests . . . . .	356	ACD (Automatic Call Distributing) System No. 23 . . . . .	660
A2AT Video Transmission System . . . . .	318	ACD (Automatic Call Distributor) and Key Systems . . . . .	999
A4 Video Transmission System . . . . .	318	ACD Services . . . . .	533
A5 Channel Bank . . . . .	234	ACD-ESS 12A CIS (Customer Information System) — Phase 2 . . . . .	533
A5/A6 Carrier Failure Alarm Retrofit System . . . . .	356	ACD-ESS Customer Premises Equipment (Phase 1) — 60A CPS, 90A CPS, and 90B CPS . . . . .	533
A6 Channel Bank . . . . .	234, 356	ACD/MIS (Automatic Call Distribution/Management Information System) . . . . .	475
A6B Channel Bank and Direct Formed Supergroup Banks . . . . .	356	ACD-ESS Management Information System (AEMIS) . . . . .	533
A6B and DFSF Channel Banks . . . . .	234, 356	ACE (Automated Cable Expertise) . . . . .	660
AB Series to Nine-Digit Numbering Plan . . . . .	300	ACORN® Network Control System . . . . .	190
ABATS (Automated Bit Access Test System) . . . . .	314	ACP (Advanced Communications Packages) . . . . .	533
ABM (Accunet® Bandwidth Manager) . . . . .	314	ACP Version 6 . . . . .	533
AC Power Plants . . . . .	167	ACP Version 7 . . . . .	533
AC Reserve System; LINEAGE 2000 . . . . .	155	ACP Versions 5 and 6 — Central Office Application . . . . .	533
		ADE (Adaptive Design Engineering) . . . . .	010
		ADTS (Automatic Data Test System) . . . . .	668, 824
		ADW/COBOL (Application Development Workgroup/COBOL) . . . . .	193
		AEMIS (ACD-ESS Management Information System) . . . . .	533
		AFC Unit . . . . .	410
		AFC Unit — Tests . . . . .	410
		AIS (Automatic Intercept Systems) . . . . .	250
		ALLIANCE® Dedicated Teleconferencing Services . . . . .	660
		ALLIANCE® Teleconferencing . . . . .	660
		AMA (Automatic Message Accounting) . . . . .	814

AMA (Automatic Message Accounting) (Continued)

- Equipment . . . . . 227
- Tape Reels . . . . . 034

AMACC (Automatic Message Accounting Control Center) . . . . . 191

AMARC (Automatic Message Accounting Recording Centers) . . . . . 201, 824

ANI (Automatic Number Identification) . . . . . 227

- CALL-STALKER . . . . . 231
- Equipment . . . . . 534

ANI-B Identifier Units . . . . . 801

AOE (Application Operating Environment) . . . . . 560

AOP (Automated Operator Position) . . . . . 250

AP (Applications Processor)

- Translators . . . . . 533

AP16 . . . . . 585

AP200 Printer . . . . . 582

AP25 Printer . . . . . 582

AR, DR, and TD Microwave Radio Systems . . . . . 422

AR6A Single Sideband Microwave Radio . . . . . 422

ARADCOM (Army Air Defense Command) Microwave System . . . . . 408

ARMS (Automated Release Management System) . . . . . 193

ARSB (Automated Repair Service Bureau) . . . . . 660

ARSB (Automatic Repair Service Bureau) . . . . . 660, 662

ARSB/LMOS (Automated Repair Service Bureau/Loop Management Operations System) . . . . . 660

ARSB/LMOS Maintenance Procedures . . . . . 660

ARU (Alarm Relay Unit) . . . . . 201

AT&T

- 477 Deluxe Color Printer . . . . . 582
- 495 Laser Printer . . . . . 582
- Accunet® Bandwidth Manager (ABM) . . . . . 314
- Corporate Information . . . . . 015
- Documentation Guidelines . . . . . 000
- Enhanced FAX . . . . . 010
- Mail . . . . . 010
- Model 7500S Electronic Typewriter . . . . . 582
- Quality WORKBENCH . . . . . 010

AT&T (Continued)

- Things & Dollars (ATAD) - Software System for Retrieving Stock . . . . . 193
- WATS (Wide Area Telephone Service) and W8PMP GOC (800 Service Generic Order Control System) . . . . . 780
- ATA (Automatic Trouble Analysis) . . . . . 190
- ATA (Automatic Trouble Analysis)—Programmable Scanner/Distributor . . . . . 190
- ATAD (AT&T Things & Dollars) - Software System for Retrieving Stock . . . . . 193
- ATMS (Automatic Transmission Measuring System) . . . . . 103
- ATP (Advanced Telemetry Processor) . . . . . 201
- ATRS (Automated Trunk Report System) . . . . . 190, 824
- AUDIX (Audio Information Exchange) . . . . . 585

  - Enhanced III . . . . . 585
  - General . . . . . 585
  - RIV2-R1V3 . . . . . 585
  - Release 1 Version 5 . . . . . 585
  - Voice Power (AVP) . . . . . 585

- AUTOPLEX®— Cellular Telecommunications Systems . . . . . 190, 231, 401
- AUTOVON (Automatic Voice Network) . . . . . 309
- AUTOVON (Automatic Voice Network)—PBX Access Lines . . . . . 480
- AUTOVON and FTS (Federal Telecommunications System) . . . . . 309
- A-Type Channel Bank . . . . . 356
- Abbreviations

  - Common Language— Business Information System (BIS) . . . . . 005, 751
  - Drawings and Product Markings . . . . . 005
  - Input/Output Messages (Electronic Switching) . . . . . 005
  - Radio log . . . . . 400
  - Wiring . . . . . 005

- Abbreviations, Definitions, Drawings, Requirement Tables, Specifications, and Symbols . . . . . 006
- Acceptance - 3 ESS Switch . . . . . 233
- Access Networking System . . . . . 660
- Accounting Computer Applications . . . . . 193
- Adapters

  - Customer Equipment . . . . . 461, 463
  - Dial and Mounting . . . . . 028

Adapters (Continued)			
Data . . . . .	590		
Data Set Test . . . . .	107		
Mounting and Use . . . . .	032		
Paging . . . . .	518		
Adaptive Design Engineering (ADE) . . . . .	010		
Adjunct Processors and Services for Business Communications Systems . . . . .	585		
Adjustable Deviation Equalizer . . . . .	362		
Adjustments and Maintenance — Central Office and Remote Terminal . . . . .	363		
Adjustments and Maintenance — Repeaters . . . . .	363		
Administration . . . . .	250		
Administration of Designed Services . . . . .	010		
Administrative Information			
Alarm Centers . . . . .	190		
Central Office . . . . .	201, 235		
Cost Studies . . . . .	742		
Controls . . . . .	742		
Coordination Methods . . . . .	010		
Data Security (For Computer Systems) . . . . .	007		
Engineering . . . . .	790		
Guide and Audit Manuals . . . . .	756		
Maintenance Methods . . . . .	010		
Network (See Specific Systems) . . . . .	010		
Radio . . . . .	400		
Records and Reports . . . . .	010		
Administrative Methods . . . . .	010		
Administrative Procedures . . . . .	015		
Administrative Procedures and Methods . . . . .	935		
Advanced Communications Packages (ACP) . . . . .	533		
Advanced Intelligent Network (A-I-Net™) Products . . . . .	270		
A-I-Net Service Control Node (SCN) . . . . .	270		
A-I-Net Service Control Point (SCP) . . . . .	270		
A-I-Net Service Development . . . . .	270		
A-I-Net Service Support . . . . .	270		
Advanced Services Platform . . . . .	256		
Advanced Telemetry Processor (ATP) . . . . .	201		
Aerial			
Block and House Cable Splicing . . . . .	632		
Buried Wire . . . . .	626		
Aerial (Continued)			
Lift Trucks . . . . .	649		
Railroad Crossings . . . . .	620		
Wire Considerations . . . . .	919		
Aerial Cable . . . . .	627, 917		
1530-Type . . . . .	627		
Buried Cable . . . . .	629		
Considerations . . . . .	919		
Dancing . . . . .	627		
Guys — Clearances . . . . .	627		
Long Span Construction . . . . .	627		
Mechanical Protection . . . . .	627		
Maintenance . . . . .	627		
Placing and Maintenance . . . . .	627		
Removal . . . . .	627		
Aerocom Model 3604 Receiver . . . . .	403		
Aeronautical Communications Equipment Model 446-21 . . . . .	403		
Agreements With Power Companies . . . . .	937		
Agreements - Joint Use of Wood Poles . . . . .	937		
Air			
Blowers . . . . .	161		
Cell Batteries . . . . .	157		
Compressors and Tools . . . . .	649		
Dryers . . . . .	161		
Flow Monitors . . . . .	637		
Air-Ground Voice Communication System . . . . .	801		
Air-Ground Radio . . . . .	406		
Alarms . . . . .	212		
Alarm - Specifications . . . . .	801		
Centers . . . . .	190		
Control . . . . .	201, 951		
Control System . . . . .	201		
Control and Distribution Circuits . . . . .	201		
Control and Order-Wire System . . . . .	951		
Equipment . . . . .	814, 819		
Relay Unit (ARU) . . . . .	201		
Systems; Crash (Customer Equipment) . . . . .	480		
Tests . . . . .	421		
Test Equipments - PBX . . . . .	809		
Unit . . . . .	362		
Alerting Network			
Command Post (COPAN) . . . . .	310		
Joint Chief of Staff (JCSAN) . . . . .	310		
Alerting System - Group . . . . .	801		
Alerting Systems			
Central Office . . . . .	201		

Alerting Systems (Continued)	
Group (Nonswitched Special Services)	310
Group (Customer Equipment)	480
No. 10A	480
No. 11A	480
Alerting and Warning Systems	811
Alignment of Interconnecting Circuits	318
Alternate Full Period Teletypewriter	312
Alternate Media	235
Alternate System Line-Up	363
Alternators	155
Alternators and Engine-Alternators	155
Amplifier Switching	362
Amplifier Type Telephone Repeaters	332
Amplifier-Equalizer (Repeater)	320
Amplifiers	
Program	320
Amplifiers and Protective Relaying	
Equipment	024
Amplifiers and Regulators	360
Analog Baseband Video Transmission	
Systems	318
Analog Carrier	356
Analog Carrier System	
SLC-8	363
Analog Data Transmission System	314
Analog Multiplex Terminal	
Equipment	356
Analog Multiplex Terminals	855
Analysis Plans - Outside Plant	902
Analysis Tools	856
Anchors and Guys, General	621
Ancillary Equipment	409
Ancillary Equipment Miscellaneous	534
Announcement Sets	514
Announcement Systems	201, 514, 951
Performance Requirements	801
Specifications	801
Station Control Apparatus	514
Announcer Machines; Call	161
Announcing Machine; Tape	034
Anritsu ME645A Test Set	104
Answer-Back Assembly	574
Answer-Back Unit	573
Answering Sets; Telephone	514
Answering Systems; Telephone	473
Antennas	402
Arrangements	411
Arrangement	415

Antennas (Continued)	
Duplexing	410
Multicouplers KMS-101B	403
Reflectors	940
Specifications	940
Supporting Structures	760
Systems	940
Apartment Door Answering	512
Apparatus	
Blanks	501
Cabinets	573
Carrier	640
Cases for Inductors and Filters	643
Disconnected	500
Information	069
Mountings	463
Specially Engineered Lines	529
Telegraph Testing	103
Teletypewriter Testing	103
Appliances	065
Application	
Development Workgroup/COBOL (ADW/COBOL)	193
Engineering - Carrier	855
Operating Environment (AOE)	560
Processor (AP)	585
Private Services	859
Processor (AP) Services	533
Signal Transmission	859
Sales/Marketing	235
Application Development Software	560
Asset Controller	585
Asynchronous HORIZON® 51 H	
BCT	582
Attachments	462
Attachments—Aerial Cable	627
Attendant Circuits	534
Attendant Services	533
Attenuation of Miscellaneous Cables at 1000 HZ	304
Attenuators	103, 104
Audible Ring Tone Generator	155
Audio Information Exchange (AUDIX)	585
Audio Teleconferencing	481
Audit—General	750
Automated	
Building Management	478
Bit Access Test System (ABATS)	314
Cable Expertise (ACE)	660



Automated (Continued)  
 Release Management System  
 (ARMS) . . . . . 193  
 Trunk Report System  
 (ATRS) . . . . . 190, 824  
 Automatic  
 Controller— for Reserve Engine-  
 Alternator Plants . . . . . 155  
 Conference Circuit— 4-Wire No. 5  
 Crossbar Offices . . . . . 309  
 Control Units and Portable Test  
 Set . . . . . 155  
 Data Test Circuits . . . . . 205  
 Dialers . . . . . 512  
 Fuel Pump Control Units . . . . . 155  
 Intercept Systems (AIS) . . . . . 250  
 Line Switching . . . . . 359  
 Test Systems (ADTS) . . . . . 668, 824  
 Automatic Answering and Recording  
 Systems . . . . . 852  
 Automatic Call Distribution (ACD) . . . . . 218  
 and Key Systems . . . . . 999  
 Systems (Customer Equipment)— See  
 Call Distributing Systems . . . . . 103  
 and Wideband . . . . . 218  
 Automatic Location Identification (ALI)  
 System . . . . . 255  
 Automatic Message Accounting  
 (AMA) . . . . . 216, 814  
 Equipment . . . . . 227  
 Equipments . . . . . 816  
 Recording Center  
 (AMARC) . . . . . 201, 824  
 Automatic Number Identification  
 (ANI) . . . . . 216  
 CALL-STALKER® ANI . . . . . 231  
 Equipment . . . . . 534, 814  
 Automatic Protection Switching . . . . . 410  
 Automatic Recording and Answering  
 Systems . . . . . 852  
 Automatic Repair Service Bureau  
 (ARSB) . . . . . 660, 662  
 Automatic Reporting on Trunks; Centralized  
 (CAROT) . . . . . 103, 190, 824, 865  
 Automatic Send-Receive (ASR) . . . . . 574  
 Automatic Send-Receive Teletypewriter Set  
 (ASR) . . . . . 573  
 Automatic Solid-State Control— For  
 Reserve Diesel Engine-Alternator  
 Plants . . . . . 155

Automatic Solid-State Control— For  
 Reserve Gas Turbine Engine-Alternator  
 Plants . . . . . 155  
 Automatic Transmission Measuring  
 Equipment (ATME) . . . . . 103  
 Automatic Transmission Measuring Systems  
 (ATMS) . . . . . 103  
 Automatic Trouble Analysis (ATA) . . . . . 190  
 Automatic Trouble Analysis (ATA)—  
 Programmable Scanner/Distributor . . . . . 190  
 Automatic Voice Network  
 (AUTOVON) . . . . . 309  
 Autotransformers . . . . . 028  
 Auxiliary Channel . . . . . 412  
 Modulating/Demodulating Panel . . . . . 420  
 Narrowband Microwave Radio . . . . . 480  
 Switching System . . . . . 420  
 Tests . . . . . 412  
 Auxiliary Data Processors . . . . . 801  
 Auxiliary Equipment . . . . . 332  
 Auxiliary Equipment; Teletypewriter . . . . . 570  
 Auxiliary Line Equipment . . . . . 570  
 Auxiliary Power Equipment . . . . . 570  
 Auxiliary Repeater Panels . . . . . 360  
 Auxiliary Repeaters . . . . . 358  
 Auxiliary Repeaters— Equipment  
 Replacements and Adjustments . . . . . 358  
 Auxiliary Service Positions . . . . . 821  
 Auxiliary Signals, Power Relays,  
 Backboards, Equipment Cabinets, and  
 Apparatus Mountings . . . . . 463  
 Auxiliary Signals— Customer  
 Equipment . . . . . 463  
 Auxiliary Station Logic Plug-in Units . . . . . 420  
 Auxiliary Systems . . . . . 420  
 Auxiliary Transmission Measuring  
 Set . . . . . 103  
 Axe, Hammers, Drills, and Bits . . . . . 081

**B**

B1 Channel Shifter . . . . . 403  
 B1 and B2 Vogads . . . . . 404  
 B2 Television Transmitting Terminal and C2  
 Television Receiving Terminals . . . . . 358  
 B2 Television Transmitting Terminal—  
 Line-Up Procedures . . . . . 358  
 B2 Television Transmitting Terminal—  
 Trouble Location Tests . . . . . 358  
 B2 and C2 Television Terminals . . . . . 358

B2 and C2 Television Terminals— Trouble			Base Station (Continued)	
Location Tests . . . . .	358		Transmitters . . . . .	404
B3 Privacy Device . . . . .	403		Terminal Equipment . . . . .	404
B3 Transmitting Terminal— Line-Up			Base for Receiving Selector . . . . .	574
Procedures . . . . .	358		Baseband Auxiliary Equipment . . . . .	410
B3 Transmitting Terminal— Trouble			Baseband Switching Tests . . . . .	412
Location Tests . . . . .	358		Bases; Telephone . . . . .	502
B3 Transmitting and C3 Receiving			Basic Communications Package	
Terminals— Trouble Location Tests			(BCP) . . . . .	533
B3 and C3 Television Terminals . . . . .	358		Basic Mastergroup Trunk	
BATS (Bit Access Test System) . . . . .	314		Arrangements . . . . .	356
BCM32000 . . . . .	365		Basic Principles— Noise . . . . .	331
BCM32000 (Bit Compression			Batteries— Air Cells, Countercells, Dry	
Multiplexer) . . . . .	365		Cells, Dry Batteries, and . . . . .	157
BCP (Basic Communications			Battery Equipments . . . . .	802
Package) . . . . .	533		Battery Feeders	
BCP (Best Current Practices) . . . . .	010		Customer Equipment . . . . .	460
BCP Version 1 . . . . .	533		Distributing Frames (Central	
BCP Version 2 . . . . .	533		Office) . . . . .	201
BCT (Business Communication			Battery Motor-Driven Alternator . . . . .	155
Terminal) . . . . .	582		Battery Plant . . . . .	167
BDT (Billing Data Transmitter) . . . . .	201		Battery Supply Filter . . . . .	510
BELLBOY® . . . . .	940		Battery Supply— 1A Line	
BILLDATS II Collector . . . . .	190		Concentrator . . . . .	167
BIS Audit Manuals— General . . . . .	750		Bays . . . . .	065
BISP (Business Information Systems			Bell System Carrier Synchronization	
Program) . . . . .	936		Network . . . . .	354
BNS-1000 . . . . .	255		Bells	
BNS-2000 . . . . .	255		Station Set Components . . . . .	501
Backboards . . . . .	463		Best Current Practices (BCP) . . . . .	010
Backboards— Customer			Bias Measuring Arrangement for Telegraph	
Equipment . . . . .	463		Boards . . . . .	103
Balance Component of Transmission			Billing Data Transmitter (BDT) . . . . .	201
Performance . . . . .	301		Billing Systems . . . . .	201
Balance Survey Methods of Transmission			Binary Generator J68882AL . . . . .	356
Performance . . . . .	301		Binders . . . . .	508
Balancing Networks; Precision . . . . .	332		Bit Access Test System (BATS) . . . . .	314
Banking/Investments Computer			Bit Compression Multiplexer	
Applications . . . . .	193		(BCM32000) . . . . .	365
Banks; Channel			Blind Attendant or Visually Impaired	
A Type . . . . .	234, 356		Equipment . . . . .	534
D Type . . . . .	365		Block Cable . . . . .	627
Bar Code Standards . . . . .	801		Block Relay Equipment . . . . .	818
Base Station			Block Wiring . . . . .	462
Lineup . . . . .	404		Block and House Cable . . . . .	627
Mobile Telephone Service			Block and House Cable—	
Antennas . . . . .	402		Attaching . . . . .	627
Receivers . . . . .	404		Blocking; Apparatus . . . . .	069
Transmitter-Receivers . . . . .	404		Blocks; Connecting . . . . .	461, 201
Transmitter Trunk Terminating			Blower Motors . . . . .	161
Circuit . . . . .	407			

COPAN (Command Post Alerting Network) . . . . . 310

COSMIC® (Common Systems Main Inter Connecting) Distributing Frame System . . . . . 201

COSMIC® II Main Distribution Frame . . . . . 201, 801

COSMOS (Computer System for Main Frame Operations) — Network Administration . . . . . 190

COSMOS (Computer System for Mainframe Operations) — Loop Assignment Center . . . . . 680

COSMOS (Computer System — Main Frame Operations) . . . . . 190

CPMS (Cable Pressure Monitoring System) . . . . . 201

CRF (Cable Rearrangement Facility) . . . . . 636

CSDC (Circuit Switched Digital Capability) . . . . . 880

CSRAF (Common Systems Recorded Announcement Frame) . . . . . 201

CTMA (Carrier Transmission Maintenance Auxiliary) . . . . . 865

CTMS (Carrier Transmission Maintenance System) . . . . . 103, 190, 865

CTMS/TFMS (Carrier Transmission Maintenance System/Trunk and Facilities Maintenance System) . . . . . 103

CTRAP (Customer Trouble Report Analysis Plan) . . . . . 660

CTTU (Central Trunk Test Unit) . . . . . 951

CWA (Clean Water Act) . . . . . 010

CX - Signaling Equipment . . . . . 801

Cabinet

- Cleaning . . . . . 034
- Equipment (Station Installation) . . . . . 463
- Local Test . . . . . 662

Cabinet for ASR Sets . . . . . 574

Cabinet for KSR Sets . . . . . 574

Cabinets . . . . . 508

Cabinets and Facilities . . . . . 582

Cabinets and Tables . . . . . 570

Cable

- Aerial . . . . . 627
- Buried Wire . . . . . 626
- Block . . . . . 627
- Buried . . . . . 629
- Coaxial, Office — Splicing and Terminating . . . . . 069

Cable (Continued)

- Capacitance Deviation Splicing . . . . . 853
- Characteristics, Physical . . . . . 626
- Connecting . . . . . 069
- Conductor Identification . . . . . 106
- Conductor Identification — Main Distributing Frames . . . . . 106
- Description, Size, and Reel Lengths . . . . . 626
- Design . . . . . 920
- Distribution Systems . . . . . 801
- Electrical Protection and Bonding . . . . . 638
- Electrical Testing and Identification . . . . . 634
- Equalizer Fault Location Test Set . . . . . 103
- Equalizer Test Set J1C150K . . . . . 103
- Equalizers . . . . . 340
- Fault Location . . . . . 634
- Faults . . . . . 106
- Fault Location — Wheatstone Bridge . . . . . 634
- Gas Pressure Alarm Circuits . . . . . 201
- House . . . . . 627
- Impedance Data . . . . . 304
- Lashers — Aerial Cable . . . . . 627
- Lashing and Wrapping Tools . . . . . 081
- Losses at Carrier Frequencies . . . . . 304
- Maintenance . . . . . 632
- Nonstandard — Limited Availability . . . . . 626
- Pressure System — Tools . . . . . 081
- Pressure Monitoring System (CPMS) . . . . . 637
- Placing Tools . . . . . 081
- Physical Characteristics . . . . . 626
- Packaging and Shipping . . . . . 626
- Protection Alarms . . . . . 201
- Pressurization . . . . . 901
- Pressure Systems . . . . . 637
- Pressure Telemetry . . . . . 201
- Program Systems . . . . . 320
- Racks . . . . . 801
- Restoration . . . . . 634
- Splicing Preparation — Sheath Openings and Ends . . . . . 632
- Splicing Tools . . . . . 081
- Splicing in Manholes and Vaults . . . . . 632
- Splice Closures . . . . . 633
- Splicing . . . . . 632
- Sheath Openings, Temporary Protection . . . . . 633

Cable (Continued)	
Sheath Corrosion . . . . .	877
Submarine . . . . .	630
Self-Supporting . . . . .	627
Switchboard Cabling, Wiring, Skinning, and Connecting . . . . .	069
Suspension Strand . . . . .	627
Standard Connectorized . . . . .	626
Standard Capacitance, Pulp-Insulated . . . . .	626
Splicing, Special Types . . . . .	632
Splicing, Paper and Pulp Types . . . . .	632
Splicing, PIC Types . . . . .	632
Sizes and Reel Lengths . . . . .	626
Section Replacement . . . . .	634
Safety Precautions . . . . .	010
Telemetry . . . . .	201
Terminals . . . . .	631
Transmission Testing . . . . .	634
Underground . . . . .	628
Upkeep . . . . .	644
Vaults . . . . .	622
Cable Pressure Systems	
Assignment Office Administration (Customer Plant) . . . . .	680
Air Flow Monitors . . . . .	637
Buffering . . . . .	637
Continuous Feed Pressure Systems . . . . .	637
Cable Pressure Monitoring Systems . . . . .	637
Correction of Pressure Measurements . . . . .	637
Gas Sources . . . . .	637
Leak Location Methods . . . . .	637
Maintenance Pressure During Construction . . . . .	637
Monitoring Devices . . . . .	637
Pressure Plugs, Prefabricated . . . . .	637
Pipe Systems . . . . .	637
Pressure Plugs, Resin, Paper, or Pulp Cable . . . . .	637
Terminals, Gas Pressure . . . . .	637
Toll Cable — Pressure Transducer Systems . . . . .	637
Valves, Flanges, and Ells	
Cable Terminals	
Broadband Terminals . . . . .	631
Buried and Underground Terminals, Closures, and Interfaces . . . . .	631

Cable Terminals (Continued)	
General Information . . . . .	631
Inside Terminals . . . . .	631, 644
Maintenance . . . . .	631
Outside Distribution . . . . .	631
Outside Cross-Connecting Terminals and Aerial Interfaces . . . . .	631
Cable Terminals — General . . . . .	631
Cable Test Desks . . . . .	662
Cable Testing and Trouble Location	
Methods . . . . .	330
Cable Testing — General . . . . .	634
Cable Transfers . . . . .	106, 634
Cable Transmission Data . . . . .	304
Cable and Open-Wire Plant —	
Maintenance . . . . .	660
Cable and Wire Protection	
Considerations . . . . .	876
Cable, Maintenance Administration . . . . .	620
Cabling . . . . .	069
Cabling (Customer Equipment) . . . . .	461
Cabling and Wiring . . . . .	816
Cabling, Wiring, and Lighting . . . . .	818
Cabling; General . . . . .	069
Calculagraphs . . . . .	030
Call Accounting/Recording Systems . . . . .	555
Call Announcer Machines . . . . .	161
Call Control Unit . . . . .	574
Call Data Accumulator (CDA) . . . . .	201, 227
Call Data Transmitter (CDT) . . . . .	201
Call Directors . . . . .	502
Call Distributing Equipment - PBX . . . . .	809
Call Distributing Systems (Customer Equipment)	
Automatic Call Distributing (ACD) Systems . . . . .	631
General Descriptive Information . . . . .	981
No. 2A, 2B, 3A, and 4A . . . . .	476
No. 1S . . . . .	475
No. 60A and 60B . . . . .	533
Call Processing Manuals . . . . .	235
Call Timing Switch . . . . .	030
Call-A-Matic® Telephone Sets . . . . .	502
Calling Generator; 1C Discrete . . . . .	592
Calling Systems	
1A High Speed Selection . . . . .	592
Code (Customer Equipment) . . . . .	473
Teletypewriter Selective . . . . .	581
Cam-Operated Distributors . . . . .	570
Cameras . . . . .	030

Blower; Air . . . . .	161	Building Engineering (Continued)	
Blowers and Heaters . . . . .	649	Procedures . . . . .	760
Body and Chassis— Motor		Space Planning . . . . .	760
Vehicles . . . . .	720	Building Fire Protection— Fire	
Bogen STROMBERG-CARLSON* Signaling		Safety . . . . .	770
Control Terminal . . . . .	407	Building Maintenance . . . . .	770
Bogen TR-308 Receivers . . . . .	407	Building Management System . . . . .	478
Bogen TR-360 Receiver . . . . .	407	Building Operation	
Bonding . . . . .	638	Fire Protection . . . . .	770
Bonding; Electrical Protection and	638	Maintenance . . . . .	770
Boxes		Service . . . . .	770
Apparatus . . . . .	463	Building Operations . . . . .	015
Station Wire . . . . .	461	Building Systems . . . . .	760
Bracket and Crossarms . . . . .	621	Building Terminals . . . . .	631
Branching Arrangements at TD2 Radio		Buried Cable . . . . .	629
Junction Points . . . . .	357	Buried Cable Splicing . . . . .	632
Bridge Lifters . . . . .	852	Buried Plant . . . . .	629
Bridge; 1A Composite Set . . . . .	103	Faults . . . . .	106
Bridge; Impedance . . . . .	103	Precautions . . . . .	629
Bridge; Wheatstone . . . . .	100	Placing . . . . .	629
Bridges— Portable . . . . .	106	Buried Wire . . . . .	626
Broadband		Maintenance . . . . .	629
Apparatus . . . . .	640	Splicing . . . . .	629
Channel Transmitter Tests . . . . .	412	Terminating . . . . .	629
Connections . . . . .	855	Buried and Underground Terminals,	
Connections Interim Links . . . . .	855	Closures, and Interfaces . . . . .	631
Connection Links . . . . .	357	Business Applications . . . . .	193
Channel Receiver Tests . . . . .	412	Business Communication Terminal	
Entrance Links . . . . .	357	(BCT) . . . . .	582
Radio Channel . . . . .	412	Business Communications Services . . . . .	015
Restoration . . . . .	371	Business Communications	
Systems . . . . .	640	Systems . . . . .	010, 015
Terminals . . . . .	631	100, 400, and 600 PBX . . . . .	554
Broadband and Auxiliary Radio Channel		2000 and Custom PBX . . . . .	554
Metering Test Set . . . . .	104	Customer Switching and Networking	
Brush Spraying . . . . .	620	Systems . . . . .	770
Budelman B-250-VA4 Transmitter . . . . .	407	Common Systems . . . . .	555
Budelman Type 17 Frequency Meter . . . . .	104	DIMENSION PBX . . . . .	555
Buffering . . . . .	637	Information Systems Network	
Build-Out Cases . . . . .	643	(ISN) . . . . .	555
Building Attachments . . . . .	462	PRELUDE PBX . . . . .	554
Building Cable . . . . .	917	Premises Distribution System . . . . .	555
Building Engineering		System 25, 75, and 85 . . . . .	555
Antenna Supporting Structures . . . . .	760	Business Information Systems	
Building Systems . . . . .	760	Computer Center (CC) . . . . .	750
Construction Elements . . . . .	760	Plug-In Inventory Control System	
Design Criteria . . . . .	760	(PICS) . . . . .	756
Electrical . . . . .	760	S & E Trunk Forecasting . . . . .	756
Fire Protection . . . . .	760	Trunks Integrated Records Keeping	
Mechanical . . . . .	760	Systems (TIRKS) . . . . .	756

Business Information Systems Program (BISP) . . . . . 936

Business Office Force Administration Data System (BOFADS) . . . . . 476

Business Phone Trainer . . . . . 473

Business Services Design Engineering DIMENSION 600/2000 CUSTOM PBX . . . . . 554

Business Systems Components Source Information . . . . . 501

Business and Industry Computer Applications . . . . . 193

Buzzers . . . . . 028

    Station Set Components . . . . . 501

**C**

C Rural Wire . . . . . 624

C2 Television Receiving Terminal— Line-Up Procedures . . . . . 358

C2 Television Receiving Terminal— Trouble Location Tests . . . . . 358

C3 Receiving Terminal— Line-Up Procedures . . . . . 358

C3 Receiving Terminal— Trouble Location Tests . . . . . 358

CAA (Clean Air Act) . . . . . 010

CAFE . . . . . 585

CALL DIRECTOR® Telephone . . . . . 502

CALL-STALKER® ANI (Automatic Number Identification) System . . . . . 231

CAMA (Centralized Automatic Message Accounting) . . . . . 212

CAMA (Centralized Automatic Message Accounting) Equipment . . . . . 227

CAMA-C (Centralized Automatic Message Accounting— Computerized) . . . . . 201

CAROT (Centralized Automatic Reporting on Trunks) . . . . . 103, 190, 824, 865

CAROT 2 (Centralized Automatic Reporting on Trunks 2) . . . . . 865

CAS (Call Accounting Systems) . . . . . 585

CAS (Carrier Alarm Scanner) . . . . . 103

CATV Head-End Transmission Design . . . . . 857

CCIS (Common Channel Interoffice Signaling System) . . . . . 333

CCS (Customer Control Center) . . . . . 255

CCS Common Functions . . . . . 256

CCS7 (Common Channel Signaling 7)— Switching Products . . . . . 256

CCS7 Network . . . . . 256

CCSA (Common Control Switching Arrangement) . . . . . 309, 780, 781

CCSS (Common Channel Signaling System) Common Functions . . . . . 256

CCSS (Common Channel Signaling Systems) . . . . . 256

CCSS Related Features . . . . . 256

CCSS User Offices . . . . . 256

CD-ROM Media Documentation . . . . . 300

CDA (Call Data Accumulator) . . . . . 201, 227

CDM . . . . . 365

CDT (Communications Display Terminals) . . . . . 578

CDW (Civil Defense Warning System)— Station Equipment . . . . . 480

CERCLA (Comprehensive Environmental Response, Compensation and . . . . . 010

CFO (Corporate Financial Organization) . . . . . 010

CIRs (Customer Information Releases) . . . . . 000

CMDR (Centralized Message Detail Recorder) . . . . . 190

CMS (Circuit Maintenance System) 1A/B/C . . . . . 234, 824 1B/C . . . . . 234, 824 3A . . . . . 190, 865

CNCCS (Customer Network Control Center System) . . . . . 533

CNI (Common Network Interface) . . . . . 256

COEES (Central Office Equipment Engineering System) . . . . . 756

COER (Central Office Equipment Records) . . . . . 666

COER System— No. 5 Crossbar . . . . . 756

COLLINS 51M-10 Receiver . . . . . 406

COLLINS\* 242F-9C Transmitter . . . . . 406

COM KEY® Key Telephone System . . . . . 518

COMMON LANGUAGE\* — Abbreviations, Code, Listings, and Location . . . . . 751, 795

COMMS (Central Office Maintenance Management System)— Preventive Maintenance . . . . . 190

COMPULERT . . . . . 190

CONECS (Connectorized Exchange Cable Splicing) System . . . . . 935

CONVERSANT® Introduction . . . . . 585

CONrac AV12 Audio-Video Receivers . . . . . 408

Capacitance Building-Out . . . . .	632	Carrier Supply — 4-kHz Primary Frequency Supply . . . . .	356
Capacitance Testing and Crosstalk Reduction . . . . .	634	Carrier Supply — Channel Carrier Distributing Circuit . . . . .	356
Capacitor Cases . . . . .	643	Carrier Supply — Group . . . . .	356
Capacitors		Carrier Supply — Supergroup . . . . .	356
Electrolytic . . . . .	032	Carrier Systems	
Fixed . . . . .	032	Analog Multiplex Terminals . . . . .	356, 855
Station Set Components . . . . .	501	Analog . . . . .	363
Capacity Unbalance . . . . .	106	Digital Multiplexer . . . . .	365
Card Descriptions . . . . .	660	Digital . . . . .	363
Card Dialers . . . . .	502	Digital Transmission . . . . .	365
Carrier Alarm Scanner (CAS) . . . . .	103	K Type . . . . .	355, 855
Carrier Amplifier Circuits . . . . .	356	L1 Type . . . . .	358, 855
Carrier Apparatus . . . . .	640	L3 Type . . . . .	359, 855
Outside Plant . . . . .	640	L4 Type . . . . .	359, 855
Type L . . . . .	640	L4S Type . . . . .	359, 855
Type O . . . . .	640	L5 Type . . . . .	359, 855
Type L4 . . . . .	640	L5E Type . . . . .	359, 855
Type P . . . . .	640	Maintenance Center Tests — L1 and L3 . . . . .	360
Types N and ON . . . . .	640	N1 Type . . . . .	362, 855
Carrier Cables . . . . .	626	N2 Type . . . . .	362, 855
Carrier Circuit Layout Record Cards for Telephone Systems . . . . .	682	N3 Type . . . . .	362, 855
Carrier Coil Cases . . . . .	643	N4 Type . . . . .	362, 855
Carrier Crosstalk Balancing . . . . .	355	O Type . . . . .	362, 855
Carrier Crosstalk Measuring Sets . . . . .	355	ON Type . . . . .	362, 855
Carrier Engineering Guidelines . . . . .	855	P1 Type . . . . .	363, 970
Carrier Equipments . . . . .	807	P-Type Carrier . . . . .	970
Carrier Failure Indicator . . . . .	103	Service Center Tests — N, O, and ON . . . . .	361
Carrier Frequency Subassembly Tests . . . . .	361	Subscriber Carrier . . . . .	361
Carrier Frequency Test Equipment . . . . .	103	Single Channel . . . . .	363
Carrier Generator and Distribution Circuit . . . . .	356	T-Type . . . . .	365, 855
Carrier Group Alarm . . . . .	365	Wire Line Entrance Links . . . . .	357
Carrier Group Alarm Circuits . . . . .	362	Carrier Telegraph Test Set . . . . .	103
Carrier Line Switching Arrangements . . . . .	355	Carrier Telephone Systems . . . . .	876
Carrier Line-Up . . . . .	362	Carrier Transmission Maintenance Auxiliary (CTMA) . . . . .	865
Carrier Line-Up — 48 Channel Combining Units . . . . .	362	Carrier Transmission Maintenance System (CTMS) . . . . .	103, 190, 865
Carrier Line-Up — 96 Channel Combining Units . . . . .	362	Carrier Transmission Maintenance System/Trunk and Facilities Maintenance System (CTMS/TFMS) . . . . .	103
Carrier Line-Up — High-Frequency Line Measurements . . . . .	362	Carrier and Pilot Supply . . . . .	356
Carrier Pair Gain Systems . . . . .	640	Carrier-Frequency Noise Measuring Sets . . . . .	103
Carrier Program Systems . . . . .	320	Carrier-Frequency Transmission Measuring Sets . . . . .	103
Carrier Program Transmission . . . . .	356	Carrier-Frequency Voltmeters . . . . .	103
Carrier Supply . . . . .	312		
Carrier Supply — 4-KHz Harmonic Generator . . . . .	356		

Carrier; SLC 8 Subscriber Loop . . . . .	363	Centralized Manual Control System . . . . .	310
Carrier-Frequency Noise Measuring Sets . . . . .	103	Centralized Message Detail Recorded (CMDR) . . . . .	190
Carrier-Frequency Transmission Measuring Sets . . . . .	103	Centralized System Management . . . . .	585
Case Installation in Cable Vaults . . . . .	643	Centrex	
Case Installation — Aerial . . . . .	643	Application . . . . .	232
Case Installation — In Splices . . . . .	643	Equipment and Circuits . . . . .	540
Casings . . . . .	801	Offices . . . . .	218
Cathodic Protection - Corrosion		Centrex Service . . . . .	851
Prevention . . . . .	877	Centrifugal Fans . . . . .	161
Cell Site . . . . .	401	Chairs . . . . .	065
Cellular System 10/1000 Digital Cellular Switch (DCS) . . . . .	401	Channel Banks	
Cellular Telecommunications Systems —		A Type . . . . .	234, 356
AUTOPLEX . . . . .	190, 401	D Type . . . . .	234, 365
Center; Special Service . . . . .	660	Performance Requirements . . . . .	801
Central Office		Specifications . . . . .	801
Administrative Documents . . . . .	201	Channel Carrier Distribution Bus . . . . .	356
Area Planning . . . . .	781	Channel Initiator . . . . .	410
Equipment Engineering . . . . .	790	Channel Modem Unit . . . . .	362
Equipment Engineering System (COES) . . . . .	756	Channel Service Unit . . . . .	595
Equipment Engineering and Power Engineering . . . . .	790	Channel Unit Data Sheets — D4 and D5	
Equipment Maintenance		Channel Banks . . . . .	365
Engineering . . . . .	790	Channel Unit Lineup — Receiving . . . . .	362
Equipments . . . . .	823	Channel Unit Lineup — Transmitting . . . . .	362
Maintenance Management . . . . .	190	Channel Unit Tests . . . . .	361
Maintenance Management System (COMMS) . . . . .	190	Channel Units . . . . .	361
Noise Testing . . . . .	331	Channels for Federal Aviation Agency, Airlines and Other Agencies . . . . .	310
Noise . . . . .	331	Channels for Polling Television	
Operations . . . . .	191	Receivers . . . . .	310
Switching - No. 1 ESS . . . . .	824	Charging Equipments . . . . .	802
Central Office and Building Splice		Charging Generators . . . . .	155
Closures . . . . .	633	Charging Sets — Diverter Pole Type . . . . .	155
Central Office and Radio Station		Charts for Determination of Input Impedance of Cables . . . . .	304
Protection . . . . .	876	Circuit Breakers . . . . .	026
Central Office/PBX — Restoration, Planning, and Procedures . . . . .	010	Circuit Descriptions (CDs) . . . . .	235
Central Processor . . . . .	231	Circuit Design — Treatment for Narrowband Data Systems . . . . .	880
Central Trunk Test Unit (CTTU) . . . . .	951	Circuit Drawings . . . . .	005
Centralized Administrative and Operation		Circuit Identification . . . . .	795
Centers . . . . .	190	Circuit Junction Return Loss . . . . .	304
Centralized Automatic Message Accounting (CAMA) . . . . .	212	Circuit Layout Record Cards for Telephone Message Trunks . . . . .	682
Computerized (CAMA-C)		Circuit Maintenance System (CMS)	
Equipment . . . . .	227	1A/B/C . . . . .	234, 824
Centralized Automatic Reporting on Trunks (CAROT) . . . . .	103, 190, 824, 865	1B/C . . . . .	234, 824
		Circuit Maintenance System 3A (CMS) . . . . .	190



Circuit Maintenance System Center - 4		Code Call . . . . .	801
ESS . . . . .	234	Code Calling . . . . .	473
Circuit Order Testing . . . . .	660	Code Calling System (Customer	
Circuit Pack Schematics (CPSs) . . . . .	235	Equipments) . . . . .	473
Circuit Packs . . . . .	590	Codec Interim Design . . . . .	365
Circuit Provision Engineering . . . . .	790	Coded DC Power Plants . . . . .	167
Circuit Switched Digital Capability		Coded Gauges— Catalog	
(CSDC) . . . . .	880	Information . . . . .	084
Civil Air Defense Warning Systems . . . . .	201	Coded Power Units . . . . .	167
Civil Defense Warning (CDW) System—		Codes and Abbreviations— Common	
Station Equipment . . . . .	480	Language . . . . .	751
Claims and Complaints . . . . .	746	Codomat Equipment . . . . .	570
Clamps . . . . .	074, 080	Coil Cases . . . . .	643
Class 4P Toll Switchboards . . . . .	660	Coils	
Classes of Program Audio Service . . . . .	320	Cases . . . . .	643
Clean Air Act (CAA) . . . . .	010	Heat . . . . .	069, 201
Clean Water Act (CWA) . . . . .	010	Repeating . . . . .	103
Cleaning Cabinet . . . . .	034	Coin Collectors	
Cleaning Fluids . . . . .	065	Collections . . . . .	506
Cleaning, Treating, and Reconditioning of		Local Battery . . . . .	510
Apparatus and Equipment		Magneto . . . . .	510
Crossbar Offices . . . . .	069	Prepay . . . . .	506
General . . . . .	069	Coin Collectors— Local Battery . . . . .	510
Step-by-Step, Panel, and		Coin Collectors— Magneto . . . . .	510
Crossbar . . . . .	069	Coin Control Generators . . . . .	155
Step-by-Step Offices . . . . .	069	Coin Station Set (Common Battery) . . . . .	506
Clearance Attachments— Outside		Coin Telephone Maintenance Check . . . . .	506
Plant . . . . .	620	Coin Telephone Sets . . . . .	506
Clearance for Multiple Wire . . . . .	624	Coinless Telephone Sets . . . . .	506
Clearances . . . . .	462	Combined Transmission and Signaling	
Clearances for Outside Plant . . . . .	620	Repeaters . . . . .	332
Climbers . . . . .	081	Comcode Listings . . . . .	740
Climbing Poles, Safeguards . . . . .	620	Command Conference System (Customer	
Clock Distribution Unit . . . . .	314	Equipment) . . . . .	480
Clocks . . . . .	030	Command Post Alerting Network	
Closure Type Cable Terminals . . . . .	631	(COPAN) . . . . .	310
Closures		Command Post Alerting Network	
Buried Plant . . . . .	631	(COPAN)— Joint Chiefs of Staff Alerting	
Cable . . . . .	633	Network (JCSAN) . . . . .	310
Coast Station . . . . .	403	Commercial Power Failure— Emergency	
Coast Station Receiver . . . . .	403	Power Plant Tests and Logs . . . . .	155
Coastal Harbor Radio . . . . .	403	Commercial Power Failure— Power Plant	
Coaxial Cable . . . . .	106, 330	Tests and Logs . . . . .	155
Splicing . . . . .	632	Commercial Television Service	
Testing and Fault Location . . . . .	634	Multipulse . . . . .	318
TV Service— CATV and CCTV . . . . .	626	Common Battery Station Sets . . . . .	502
Television Transmission Systems— RF		Common Channel Interoffice Signaling	
Type . . . . .	318	(CCIS) . . . . .	250, 256, 333, 312
Coaxial Transmission Lines and		Common Channel Signaling 7 . . . . .	231, 256
Connectors . . . . .	402	Common Channel Signaling 7— Switching	
		Products . . . . .	256

Common Channel Signaling Systems (CCSS) . . . . .	256	Compensators; Impedance . . . . .	332
Common Control Circuit Tests . . . . .	412	Complaint Procedures	
Common Control Equipment— For Touch-Tone Calling and For Controlled Outpulsing . . . . .	227	Documentation . . . . .	000
Common Control Switching Arrangements (CCSA) . . . . .	309	Engineering . . . . .	010
Common Equipment . . . . .	410	Completion Tests . . . . .	330
2-Wire 1 and 1A ESS Switches . . . . .	231	Components	
Analog Multiplex Terminal Equipment . . . . .	356	N, O, and ON Carrier Systems . . . . .	362
Group, Supergroup, and Mastergroup Distribution Frames . . . . .	356	Station Sets . . . . .	501
Common Language Codes and Abbreviations . . . . .	751	Composite Set Bridges . . . . .	103
Common Network Interface Ring . . . . .	231	Comprehensive Environmental Response, Compensation and Liability Act . . . . .	010
Common Planning and Engineering Center . . . . .	781	Compressor Subassembly Tests . . . . .	361
Common Processes and Practices— Product Design Information . . . . .	000	Compressors . . . . .	161
Common Software— 2-Wire 1 and 1A ESS Switches . . . . .	231	Compressors-Dehydrators . . . . .	161
Common System Circuits . . . . .	201	Computation Aids for Transmission Data . . . . .	304
Common Systems Recorded Announcement Frame (CSRAF) . . . . .	201	Computer Applications Software Support Products . . . . .	193
Common Systems— Test Termination Circuit . . . . .	103	Computer Products and Services . . . . .	015
Common to 101 Switch Unit and Control Unit . . . . .	240	Computer Security Information . . . . .	007
Common to More Than One Toll Office or Toll Switchboard . . . . .	211	Computer System	
Communication Display Terminals (CDT) . . . . .	578	3B20D (Models 1, 2, and 3) . . . . .	254
Communication Systems . . . . .	518	Main Frame Operations . . . . .	190
Communications		Computer Systems . . . . .	560
Computer Applications . . . . .	193	Computerized Maintenance and Administration System (COMAS) . . . . .	220
Circuit Data Affecting— Inductive Coordination . . . . .	873	Concentrator Systems	
Display Terminals (CDT) . . . . .	578	10-Type Data Line (DATREX) . . . . .	591
Processor . . . . .	582	Customer Equipment . . . . .	473
Storage Unit . . . . .	578	Concentrators . . . . .	639
Community Dial Offices		Concentrators; Line	
Equipment Common to More Than One Type . . . . .	226	General Descriptive Information . . . . .	951
General Descriptive Information . . . . .	955	Outside Plant . . . . .	639
Specific Types . . . . .	225	Conductors . . . . .	626
Compandor . . . . .	332	Conduit	
Compandor Unit . . . . .	362	Customer Equipment . . . . .	461
Compensators . . . . .	026	Outside Plant . . . . .	622
		Service Connections . . . . .	622
		Conference Sets . . . . .	512
		Conferencing . . . . .	332, 851
		Conferencing Arrangements . . . . .	851
		Conical Antenna . . . . .	402
		Connect Through Plan - Outside Plant Engineering . . . . .	915
		Connecting . . . . .	069
		Connecting Blocks, Terminal Blocks, and Connectors . . . . .	201, 461, 631
		Connecting and Matrix Blocks, Terminals, Jacks, and Plugs . . . . .	461
		Connection Appraisal Index . . . . .	301

DATAPHONE Digital Service . . . . .	314	DC-to-AC Inverters . . . . .	161
DATAPHONE Service on DDD . . . . .	668	For Telephone Answering Sets . . . . .	514
DATAPHONE Systems Using 130-Type		DDD (Data Systems on Direct Distance	
Subscriber Sets . . . . .	314	Dialing) Network . . . . .	314
DATAPHONE Systems-Transmission		DDD (Direct Distance Dialing) Equipment	
Maintenance, Loops and Trunks . . . . .	314	and Switched Services Network . . . . .	951
DATAPHONE® Digital Service and Switched		DDM 1000 Dual DS3 Multiplexer . . . . .	363
Digital Service . . . . .	682	DDS . . . . .	666
DATAPHONE® II Service . . . . .	592	DECXPRESS 100 . . . . .	255
DATAPHONE® Test Center . . . . .	666	DEFINITY Communications System Generic	
DATASPEED® Services . . . . .	579	1 and Generic 3 . . . . .	555
DATASPEED® Services and Components		DEFINITY G3 Management	
DATASPEED 40 . . . . .	579, 582	Application . . . . .	585
DATASPEED 40 - Stations . . . . .	582	DEFINITY Manager III . . . . .	585
DATASPEED 44 . . . . .	582	DEFINITY Manager IV . . . . .	585
DATASPEED 45 . . . . .	582	DEFINITY Monitor I . . . . .	585
Magnetic Tape . . . . .	578, 582	DEFINITY Telecommunications	
Printer . . . . .	578	System . . . . .	555
Paper Tape . . . . .	582	DEFINITY® Communications System And	
Tape Receivers . . . . .	592	System 85 Generic 2 . . . . .	555
Tape to Tape . . . . .	592	DESIGN LINE® Decorator	
Tape Senders . . . . .	592	Telephone . . . . .	503
DATASPEED® Test System and Test Access		DIGITEST . . . . .	666
Console . . . . .	666	DIMENSION® PBX . . . . .	554
DATASPEED — High Speed Tape		DIS (Dial-It Service) . . . . .	780
Receivers (Types 1, 2, 4 and 5) . . . . .	592	DIXC (Data Interchange) System . . . . .	780
DATASPEED — High Speed Tape Senders		DMG-1 (Digital Mastergroup	
(Types 1, 2, 4 and 5) . . . . .	592	System) . . . . .	356
DATEC (Data Technical) . . . . .	010	DMG-1 (Digital Mastergroup	
DATS (Digital Access Timeslot		System) . . . . .	356
Selector) . . . . .	103	DMR (Digital Monitoring Receiver)/Repeater	
DC Battery Power Plants . . . . .	167	Station . . . . .	422
DC Power Distribution . . . . .	201	DMS (Data Management System) . . . . .	255
DC Power Plants . . . . .	167	DMS-10 (Digital Multiplex System-10)	
DC Power Systems for Network Services		Exchange Switching System . . . . .	241
Division (NSD) . . . . .	167	DOPS (Digital Ordering & Planning System	
DC Signaling Systems . . . . .	179	5ESS® Switch . . . . .	235
DC Telegraph Systems . . . . .	312	DOV (Data Over Voice) . . . . .	422
DC Telegraph Systems and Associated		DPIC (Distributed Product Inventory Control	
Equipment . . . . .	312	System) . . . . .	193
DC-to-DC Converters . . . . .	161	DR4-20-90 and DR4-20-90G Digital Radio	
DCE (Data Communications		System . . . . .	422
Equipment) . . . . .	015, 582	DR4-20-90/TD90 — Operation and	
DCLU-5 (Digital Carrier Line Unit-5) . . . . .	363	Maintenance . . . . .	422
DCO-PNI (Digital Central Office-Packet		DR6/11-135 Microwave Radio	
Network Interface) and FT Series G		Systems . . . . .	421
Terminal and Line Repeater		DR6/11-90A Microwave Radio	
Station . . . . .	365	Systems . . . . .	421
DCT (Digital Carrier Trunk) . . . . .	231	DR6/DR11 Digital Radio . . . . .	421
DCTN (Defense Commercial		DS (Digital System) Facility Cross	
Telecommunications Network) . . . . .	309	Connect . . . . .	365

DS-1 Facility . . . . .	314	Data Sets/Stations (Continued)	
DS1 Digital Service Maintenance		35 Controlmatic Teletypewriter . . . . .	591
System . . . . .	314	37 Series Teletypewriter . . . . .	591
DS3 and DS4 Systems . . . . .	365	400 Series . . . . .	594
DSDC (Distribution Service Design		500 Series . . . . .	595
Center) . . . . .	935	600 Series . . . . .	596
DSPC (Distribution Service Planning		800 Series . . . . .	598
Center) . . . . .	191	Equipment . . . . .	312
DTE (Data Terminal Equipment) . . . . .	578	F-58167 for Use With Picturephone	
DTLS (Digital Television Lightwave		Service . . . . .	593
System) . . . . .	318	In 40A3 Data Mountings . . . . .	590
DTV (Digital TV) . . . . .	365	Testing Equipment . . . . .	107
Data Auxiliary Set 811K-L1 . . . . .	312	Data Station 407 . . . . .	594
Data Base Systems . . . . .	255	Data Station Selector . . . . .	590
Data Channels; Voice and		Data Systems	
Voiceband . . . . .	313	Analog Transmission . . . . .	314
Data Communications Equipment		D5 Digital System . . . . .	314
(DCE) . . . . .	015, 582	Data Couplers . . . . .	590
Data Communications; Information		Data Mountings . . . . .	590
Systems . . . . .	007	Digital Transmission . . . . .	314
Data Conversion Procedures . . . . .	780	General Information . . . . .	590
Data Coupler . . . . .	590	Private Line (Telegraph) . . . . .	312
Data Equipment . . . . .	312	Private Line . . . . .	312
Data Kit II . . . . .	555	Reference Guides . . . . .	590
Data Management System (DMS) . . . . .	255	Data Systems Division — Products . . . . .	560
Data Management; Information		Data Systems Service Observing	
Systems . . . . .	007	Circuits . . . . .	953
Data Modules . . . . .	555	Data Systems on Private Lines . . . . .	314
Data Mountings . . . . .	590	Data Systems — Common Circuits,	
Data Multiplex System and Local Area Data		Equipment, and Procedures . . . . .	314
Channels . . . . .	880	Data Technical (DATEC) . . . . .	010
Data Multiplexer . . . . .	590	Data Terminal Equipment (DTE) . . . . .	578
Data Over Voice (DOV) . . . . .	422	Data Terminal Equipment-	
Data Over Voice for L4 and L5/L5E Coaxial		Peripheral . . . . .	578
Cable System (DOV-5) . . . . .	356	Data Test Centers . . . . .	314, 668
Applications Engineering . . . . .	855	Data Test Circuits; Automatic . . . . .	205
Data Processing . . . . .	007	Data Test Sets . . . . .	103
Data Processing Operations; Information		Data Tests . . . . .	420
Systems . . . . .	007	Data Transmission . . . . .	304, 660
Data SLC Carrier System . . . . .	363	Data Transmission Systems . . . . .	314
Data Security Administration for Computer		Data Units . . . . .	590
Systems . . . . .	007	Data on Balancing Equipment . . . . .	332
Data Service Unit		Dataspeed 4410 Display Terminal . . . . .	582
500 Types . . . . .	595	Decoder Equipments . . . . .	818
Private Line . . . . .	595	Decoders . . . . .	212
Switched Service . . . . .	595	Dedicated Plant	
Data Sets/Stations . . . . .	807	Assignment Records . . . . .	680
100 Series . . . . .	591	Wiring Access (Customer	
200 Series . . . . .	592	Equipment) . . . . .	462
300 Series . . . . .	593	Defective Pairs — Detection . . . . .	634

Connection Appraisal Plans . . . . .	301	Controlled Maintenance Plans (Continued)	
Connection Equipments . . . . .	817	Transmission . . . . .	010
Connector Equipments . . . . .	816	Controllers and Control Units . . . . .	024
Connectorized Cable . . . . .	626	Controllers — Master, Motor Circuit, Unit, and Voltage . . . . .	024
Connectorized Exchange Cable Splicing (CONECS) System . . . . .	935	Conventional Distributing Frames . . . . .	201
Connectors		Converter Equipment (See also Power Supplies) . . . . .	802
LT-1 and LT-2 . . . . .	356	Converter Power Plants . . . . .	167
Main Frame . . . . .	636	Converters	
Noncoded . . . . .	032	DC-to-DC . . . . .	161
Recorder . . . . .	463	Station (TTY) . . . . .	570
Solderless . . . . .	069	Cooling Systems	
Connectors, Links, Controllers, Alarms, and Plant and Traffic Registers . . . . .	212	Electron Tube . . . . .	161
Conrac CYB17 Color Monitor . . . . .	103	Reserve Engine . . . . .	065
Consoles		Coordination of Rural Power and Telephone Systems . . . . .	874
Specially Engineered Lines . . . . .	529	Cord Circuits . . . . .	534
Selector . . . . .	504	Cord Reels	
Telephone . . . . .	504	Station Set Components . . . . .	501
Construction (Outside Plant)		Cords	
Building . . . . .	760	Extension . . . . .	065
Equipment Maintenance . . . . .	720	Handset . . . . .	501
Construction Apparatus . . . . .	015	Mounting . . . . .	501
Construction Considerations . . . . .	900	Patching and Testing Assemblies . . . . .	032
Construction Elements — Building		Reels . . . . .	501
Engineering . . . . .	760	Station . . . . .	501
Construction Equipment . . . . .	720	Test Set . . . . .	501
General . . . . .	649	Corporate Accounting Practices . . . . .	010
Motor Vehicles — General . . . . .	649	Corporate Financial Organization (CFO) . . . . .	010
Construction Force Management		Corporate Recruiting . . . . .	010
System . . . . .	620	Corporate Support — Bell Labs . . . . .	010
Construction Plans . . . . .	680	Corporate — Personnel, Employment . . . . .	010
Consultant/Customer Information . . . . .	015	Correction of Pressure	
Consumer Products Complaint		Measurements . . . . .	637
Procedures . . . . .	010	Corrosion Control - Engineering	
Consumer Products and Services . . . . .	015	Application . . . . .	877
Contactors . . . . .	026	Corrosion of Underground Structures . . . . .	877
Continuity Checking Equipment . . . . .	371	Cosine Equalizer Adjustment Set — Portable Receiver . . . . .	103
Continuous Feed Pressure System — General . . . . .	637	Cosine Equalizer Adjustment Sets . . . . .	103
Control Panel — Tests . . . . .	410	Cost Management — Natural Unit	
Control Panels . . . . .	026	Inventory — Statistics Definitions and Source . . . . .	010
Control Terminals and Associated Equipment . . . . .	403	Cost Studies - Outside Plant	
Control Unit for Loop Around Test Lines . . . . .	103	Engineering . . . . .	901
Control Units . . . . .	024	Cotton Sleeves Cable Splicing . . . . .	632
Control and Fuse Boards . . . . .	802		
Controlled Maintenance Plans			
Switching (See Specific Systems) . . . . .	720		

CounterCell Batteries . . . . .	157
Counters . . . . .	030
Coupling Units and Connecting Blocks . . . . .	312
Coupling and Shielding . . . . .	873
Cover . . . . .	574
Crash Alarm System (Customer Equipment) . . . . .	480
Crash Alarm and Command Conference Systems . . . . .	480
Cross Connections . . . . .	216
Cross-Connect and Maintenance Facilities — DACS . . . . .	365
Crossarms and Brackets . . . . .	621
Crossbar Offices/Systems No. 5 and 5A . . . . .	218, 958
No. 3 . . . . .	218
No. 1 . . . . .	216
No. 4 . . . . .	212
Tandem . . . . .	220
Crossbar Tandem Offices . . . . .	660
Crosstalk Couplings . . . . .	304
Crosstalk Data . . . . .	304
Crosstalk Measuring Sets . . . . .	103
Crosstalk and Noise Measuring Sets . . . . .	103
Customer Administration Center . . . . .	554
Customer Arrangements . . . . .	660
Customer Closures . . . . .	462
Customer Control System (CCS) . . . . .	255
Customer Equipment Materials . . . . .	080
Customer Equipment Tools . . . . .	080
Customer Information Releases (CIRS) . . . . .	000
Customer Information Systems . . . . .	809
Customer Line Verification and Tests Involving Carrier, Range . . . . .	662
Customer Loops — Long Route Design . . . . .	332
Customer Network Control Center System (CNCCS) . . . . .	533
Customer Premises Equipments . . . . .	823
Customer Premises Facility Terminal for Metallic Facility Terminal Plug-In Equipment . . . . .	332
Customer Premises Record Systems . . . . .	790
Customer Premises System . . . . .	981
Customer Premises Systems . . . . .	540
Customer Premises Systems — (ESS Switches Customer Services) . . . . .	533

Customer Premises Wire and Cable System . . . . .	461
Customer Premises; Equipment On . . . . .	554, 555, 981
Customer Switching Systems . . . . .	790
Customer Telephone Service; Electronic (ECTS) . . . . .	554
Customer Telephone Stations and Lines . . . . .	660
Customer Training Equipment . . . . .	473
Customer Trouble Reporting . . . . .	660
Customer's Premises Facility Terminal for Type F Signaling System . . . . .	332
Cylindrical Lead Acid Cell . . . . .	157

**D**

D1 Channel Bank . . . . .	365
D1A, B, and C Channel Bank Maintenance . . . . .	365
D1D Channel Bank . . . . .	365
D2 Channel Bank . . . . .	365
D2 Channel Bank and Non-AT&T Digital Carrier Systems . . . . .	365
D3 and D3B Channel Banks . . . . .	365
D4 Channel Bank . . . . .	365
D4 and D5 Channel Banks — Channel Unit Data Sheets . . . . .	365
D5 Digital Terminal System . . . . .	365
DACS (Digital Access Cross-Connect System) . . . . .	365
DACS II . . . . .	365
DACS III 2000 . . . . .	365
DACS IV 2000 . . . . .	365
DACSCAN™ . . . . .	190
DACSCAN™ 2000 Controller C-Module — Surveillance and Control System . . . . .	365
T-Module . . . . .	365
DACS — Cross-Connect Facilities and Lightwave Interconnection . . . . .	365
DADE Test Set . . . . .	104
DANTS (Discontinued Availability Notification and Tracking System) . . . . .	741
DATAKIT II VCS Release 1 . . . . .	255
DATAKIT II VCS Release 2.1 . . . . .	255
DATAKIT II, Release 3.0 . . . . .	255
DATAKIT® Virtual Circuit Switch . . . . .	255
DATAPHONE Data Communications Service . . . . .	590, 598, 666

Defense Commercial Telecommunications			
Network (DCTN) . . . . .	309		
Definitions . . . . .	005		
Dehydrators . . . . .	161		
Delay Distortion Equalization of an L3			
Unit . . . . .	359		
Delay Equalizing . . . . .	801		
Delay Lens Antenna . . . . .	402		
Delay Measuring Sets . . . . .	103		
Delay, Cable Systems . . . . .	880		
Delay, Carrier Systems . . . . .	880		
Delay, Design Information . . . . .	880		
Delay, Equipment — Apparatus . . . . .	880		
Demand Maintenance . . . . .	412		
Description — JMX . . . . .	356		
Description — MGT . . . . .	356		
Descriptive . . . . .	235		
Desiccant and Paraffin Cable			
Splicing . . . . .	632		
Design Considerations			
Design Criteria — Building			
Engineering . . . . .	760		
Design Line Telephone . . . . .	503		
Design Programs . . . . .	856		
Designation Cards			
Selector Multiple . . . . .	030		
Station Set Components . . . . .	501		
Designation Strips and Cards . . . . .	501		
Desks			
Cable Test . . . . .	662		
Information (PBX) . . . . .	475		
Local Test . . . . .	662		
Service Observing . . . . .	210, 953		
Detail Maintenance — 1A ESS			
Switch . . . . .	231		
Detectors . . . . .	104		
Detectors; Radio . . . . .	104		
Deviation Regulator Tests . . . . .	361		
Deviation Regulators . . . . .	355, 361		
Devices			
Customer Pair Gain . . . . .	915		
Impedance Matching (Radio) . . . . .	104		
Monitoring . . . . .	637		
Sounding . . . . .	028		
Transmission Improvement . . . . .	902		
Dial Adapters and Mountings . . . . .	028		
Dial Restriction — Customer			
Equipment . . . . .	500		
Dial Tone Generators . . . . .	155		
Dialers			
Automatic . . . . .	503, 512		
Card . . . . .	502		
Dials			
Station Set Components . . . . .	501		
Types 2, 4, 5, 6, and 27 . . . . .	028		
Dictation Trunks; Recorded Telephone			
(Customer Equipment) . . . . .	473		
Diesel Engine-Alternators . . . . .	155		
Digital Access Cross Connect System			
(DACS) . . . . .	365		
Digital Access Timeslot Selector			
(DATS) . . . . .	103		
Digital Alarm Scanner (DAS) . . . . .	201		
Digital Carrier Line Unit-5 (DCLU-5) . . . . .	363		
Digital Carrier Trunk (DCT) . . . . .	231		
Digital Cellular Switch (DCS) . . . . .	401		
Digital Data Equipment . . . . .	807		
Digital Data System . . . . .	314		
Digital Data System — Test			
Equipment . . . . .	107		
Digital Data Systems . . . . .	880		
Digital Data Transmission Systems . . . . .	314		
Digital Lines . . . . .	365		
Digital Loop Carrier System . . . . .	855		
Digital Mastergroup System			
(DMG-1) . . . . .	356		
Digital Microwave Radio Test			
Equipment . . . . .	104		
Digital Multimeasuring Systems . . . . .	103		
Digital Multiplex System-10 (DMS-10)			
Exchange Switching System . . . . .	241		
Digital Multiplexer . . . . .	365		
Digital Multiplexes, DS3 and DS4 Systems,			
FT3/FT3C/FTX-180 Facilities, and FT			
Series G . . . . .	365		
Digital Ordering & Planning System 5ESS			
Switch (DOPS) . . . . .	235		
Digital Radio . . . . .	421		
Digital Service Tests . . . . .	412		
Digital System; D5 . . . . .	314		
Digital Systems; 3A-Radio . . . . .	417		
Digital Television Lightwave System			
(DTLS) . . . . .	318		
Digital Terminal System . . . . .	365		
Digital Transmission Facilities . . . . .	801		
Digital Transmission Surveillance System			
(DTSS) . . . . .	314		
Digital Transmission Systems . . . . .	365		
Digital Transmission Systems — Cross-			
Connects and Order-Wire/Order Channel			
Facilities . . . . .	855		

Digital Transmission Terminals for Analog Facilities . . . . .	356
Digital Video Transmission Systems . . . . .	318
Dimension 100/400 PBX . . . . .	554
Dimension 2000 and Custom PBX . . . . .	554
Dimension 400E/600/600SN . . . . .	554
Dimension 400E/600/600SN/2000 PBX . . . . .	554
Dimension PBX . . . . .	554
Dimension PBX Feature Documents . . . . .	554
Dimension® Prelude® PBX . . . . .	554
Diodes	
Station Set Components . . . . .	501
Direct Distance Dialing (DDD)	
General Descriptive Information . . . . .	951
Notes . . . . .	781
Direct Distance Dialing (DDD) Equipment and Switched Services Network . . . . .	951
Directory Tables . . . . .	508
Discontinued Availability . . . . .	741
Discontinued Availability Notification and Tracking System (DANTS) . . . . .	741
Dispatching . . . . .	473
Dispatching Service — 508A PBX . . . . .	473
Display Data Set F-58167 For Use With Picturephone . . . . .	593
Display Data Set F-58167 for Use With Picturephone . . . . .	593
Display Monitor . . . . .	582
Display Terminal; Communication (CDT) . . . . .	578
Distortion Transmission Impairments— Terminating Traffic . . . . .	304
Distributed Product Inventory Control System (DPIC) . . . . .	193
Distributing Frames . . . . .	201
Distributing Systems . . . . .	103
Distributing Systems; Transmission . . . . .	103
Distribution Engineering . . . . .	191
Distribution Facilities Design . . . . .	917
Distribution I&M . . . . .	191
Distribution Service Design Center (DSDC) . . . . .	935
Distribution Terminals . . . . .	631
Distributor . . . . .	573
Distributors . . . . .	034
Distributors — Teletypewriter Service . . . . .	034
Distributing Frames . . . . .	216

Document Guidelines and Specifications	
Content . . . . .	000
Distribution . . . . .	000
Development . . . . .	000
Maintenance . . . . .	000
Planning . . . . .	000
Production . . . . .	000
Documents	
Content Specification for Data Services . . . . .	000
Editorial Rules . . . . .	000
General Information . . . . .	000
How to Comment on . . . . .	000
Illustrating . . . . .	000
Microfiche and 16mm Microfilm . . . . .	006
Ordering Information . . . . .	000
Printing . . . . .	000
Standard Words . . . . .	000
Titling . . . . .	000
Typesetting . . . . .	000
Documents Common to Traffic Service	
Systems . . . . .	250
Documents on 16mm Microfilm . . . . .	006
Documents on Microfiche . . . . .	006
Domestic Public Radio Services (Common Carrier) . . . . .	400
Drainage Wires - Corrosion Prevention . . . . .	877
Drainage and Inductors . . . . .	623
Drawings . . . . .	005, 006
Drawings on 35mm Microfilm . . . . .	006
Drives; Friction, Gear, and Motor . . . . .	159
Drop Wiring	
Attachments— Pole, Tree, and Building . . . . .	462
Drop and Block Wire Tools . . . . .	081
Drops . . . . .	032
Drops From Open Wire . . . . .	462
Dry Cell Batteries . . . . .	157
Dry Cells and Dry Batteries (Including Battery Boxes) . . . . .	157
Dryers; Air . . . . .	161
DuMont 21-1CBA Coaxial RF Attenuator . . . . .	104
DuMont 2567 Cathode Ray Oscillograph (TD - 2) . . . . .	104
Duct Rodder . . . . .	649
Ducts . . . . .	461
Dynamic Load Control Equipment . . . . .	212
Dynamotors . . . . .	159



Engineering Information		Engineering Information (Continued)	
Alarm Systems . . . . .	801, 865	No. 101 Electronic Switching	
Administrative Information . . . . .	800	System . . . . .	823
Announcement		No. 3, No. 5, and No. 5A Crossbar	
Systems . . . . .	801, 814, 818, 819, 820, 821, 852	Systems . . . . .	819
Administrative Documentation . . . . .	790	No. 300 Series Switching	
Building (See Building		Systems . . . . .	811, 812, 851
Engineering) 801, 814, 818, 819, 820, 821, 852		Operator Services Transmission . . . . .	852
Carrier-System Application . . . . .	801, 855	Operations Support Systems—	
Cable (See Outside Plant		Examples, ADTS, ATRS, CAROT,	
Engineering) 801, 814, 818, 819, 820, 821, 852		CMS, TASC . . . . .	824
Cable Systems (Data Communication		Outside Plant (See Outside Plant	
Engineering) . . . . .	800	Engineering) . . . . .	821
Civil Air Defense . . . . .	801	Operator Training Equipment . . . . .	821
Customer Premises Systems . . . . .	809	Power Systems and Plants . . . . .	802
Crosstalk . . . . .	851, 852, 853, 855	Pole Lines (See Outside Plant	
Conferencing Arrangements . . . . .	851	Engineering) . . . . .	781
Common Control Switching Arrangement		Program . . . . .	857
(CCSA) . . . . .	851	Protection Switching . . . . .	804, 940
Common Systems and		Paging Systems . . . . .	852
Equipment . . . . .	801	Planning; Technical (Area, Network,	
Common Channel Interoffice Signaling		Facility, and Structure) . . . . .	781
(CCIS) . . . . .	801, 818, 820, 825	Private Service Systems . . . . .	811
Closed Circuit Television Systems (See		Private Branch Exchange (PBX)	
Outside Plant Engineering) . . . . .	801	Systems . . . . .	809
Cross Reference Lists . . . . .	800	Picturephone Service	
Channel Banks . . . . .	801	Transmission . . . . .	860
Data System . . . . .	807	Repeaters . . . . .	801, 804, 807, 814, 851, 852, 857
Dedicated Plant (See Outside Plant		Remote Switching Systems . . . . .	820
Engineering) . . . . .	807	Radio (Also see Radio	
Data Communication . . . . .	880	Engineering) . . . . .	801, 806, 940
Earthquake Bracing . . . . .	800	Station Systems—Key . . . . .	812
ESS Switches . . . . .	820	Signal Transmission . . . . .	859
Exchange Area Transmission . . . . .	852	Subscriber Plant Design . . . . .	860
Echo Suppressors . . . . .	804, 851, 853	Signaling . . . . .	801, 804, 807
General Performance		Special Services Systems—Switched	
Requirements . . . . .	800	and Nonswitched . . . . .	851
General Equipment Requirements for		Submarine (Ocean) Cable . . . . .	802, 804
Installation and Manufacturing . . . . .	800	Step-by-Step Systems . . . . .	814
Line Balancing and Delay		Supply Data System—Waveguide,	
Equalizing . . . . .	801	Impedance, and Propagation	
Loudspeaker Arrangements . . . . .	852	Data . . . . .	874
Lighting . . . . .	802	Test Equipment . . . . .	804
Mechanized Transmission—		Traffic Service Systems—AIS,	
Tools . . . . .	856	TSPS . . . . .	821
Mobile Telephone . . . . .	880	Transmission—Long Route,	
No. 1 Crossbar Systems . . . . .	816	Resistance, Unigauge Design . . . . .	902
No. 4 Type Toll Switching		Toll Transmission . . . . .	853
Systems . . . . .	818	Toll Systems—Program Transmission,	
No. 1A Processor . . . . .	820	Radio Telephone, Microwave	
		Radio . . . . .	804

Engineering Information (Continued)

- Television . . . . . 806, 857
- Tandem Crossbar Systems . . . . . 817
- Telephone Warning Systems . . . . . 811
- Transmission Maintenance Systems—  
Examples, CAROT, CTMS, E  
Telemetry . . . . . 824, 865
- Traffic Management Systems— EADAS,  
Service Observing . . . . . 822
- Touch-Tone Calling . . . . . 801, 809
- Engineering Procedure— Electric  
Railways . . . . . 873
- Engineering Procedure— Power Circuit  
Interference . . . . . 873
- Engineering Work Order . . . . . 928
- Engineering and Administration  
Systems . . . . . 190
- Engineering and Administrative Data  
Acquisition System (EADAS) . . . . . 190
- Engineering and Administrative Data  
Acquisition System/ Network . . . . . 190
- Engineering and Administrative Data  
Acquisition System/Network . . . . . 190
- Engineering and Administrative Data  
Acquisition System— Network Operations  
Report Generator  
(EADAS/NORGEN) . . . . . 190
- Engineering - 4 ESS . . . . . 234
- Engines . . . . . 159
- Engines and Engine Sets . . . . . 159
- Engines— Motor Vehicles . . . . . 720
- Enhanced Operational Trunk Test/Remote  
Trunk Make Busy (EOTT/RTMB) . . . . . 218
- Enhanced Private Switch Communications  
Service (EPSCS) . . . . . 309
- Entrance Links; Wire Line . . . . . 357
- Environmental Protection . . . . . 010
- Environmental Systems . . . . . 534
- Equalizers  
Envelope Delay Characteristics . . . . . 314  
Program Circuits . . . . . 320
- Equalizing and Pad Arrangements . . . . . 355
- Equipment . . . . . 065
- 1A ESS Switch . . . . . 231
- 4-Wire 1 ESS Switch . . . . . 231
- Apparatus for Narrowband Data  
Systems . . . . . 880
- Customer Premises— General  
Descriptive Information . . . . . 981  
Conversion Package (ECP) . . . . . 756

Equipment (Continued)

- Common to ACDS . . . . . 476
- Cabinets— Customer  
Equipment . . . . . 463
- Drawings (EDs) . . . . . 235
- Miscellaneous . . . . . 065, 801
- Requirements and Engineering  
Information - No. 1 ESS . . . . . 824
- Requirements for Installation and  
Manufacturing . . . . . 800
- Test List— 1PSS . . . . . 255
- Equivalent 4-Wire N Carrier . . . . . 362
- Equivalent T-Networks for Transmission  
Equipment . . . . . 304
- Establishing a Mobile Radio Station . . . . . 400
- Establishing a Point-to-Point Microwave  
Station . . . . . 400
- Establishing a Rural Radio Station . . . . . 400
- Establishing a Telephone Maintenance Radio  
Station . . . . . 400
- Exchange Area Trunks . . . . . 852
- Exchange Cable and Wire Records . . . . . 680
- Exchange Coil Cases . . . . . 643
- Exchange-Area and Subscriber  
Cables . . . . . 330
- Exerciser Logic Plug-in Units . . . . . 420
- Exhauster Sets . . . . . 161
- Expander— Signaling Subassembly  
Tests . . . . . 361
- Extension Cords . . . . . 065
- Extension Lamps . . . . . 065
- Extension of Lines— Section 214  
Procedures . . . . . 400

**F**

- F-Type - Signaling Equipment . . . . . 801
- FAA (Federal Aviation Agency) . . . . . 310
- FAA Radar Remoting Systems (RML or  
RML-4) . . . . . 408
- FAA Radio Equipment Remote Operation  
Circuits . . . . . 880
- FADS (Force Administration Data  
System) . . . . . 476
- FADS (Force Administration Data System)  
Telephone Company Business  
Office . . . . . 476
- FARINON KS-20099 Multiplex  
Equipment . . . . . 408
- FARINON KS-20311 Radio  
Equipment . . . . . 408

## E

E Type Repeaters . . . . .	332	ERS (Emergency Reporting System) . . . . .	231, 233, 533
E-Type - Signaling Equipment . . . . .	801	ESAC (Electronic Systems Assistance Center) . . . . .	191
E1 Status Reporting and Control System . . . . .	201	ESS Switches	
E2 Status Reporting and Control System . . . . .	201	1 and 1A . . . . .	231, 966
E2A Telemetry . . . . .	201	101 . . . . .	240, 966
E3 Alarm System . . . . .	201	2/2B . . . . .	232
E4544LCC Controller . . . . .	582	3 . . . . .	233
E911 Emergency Reporting System . . . . .	231, 233, 533	4 . . . . .	234
E911 System Answering Point . . . . .	533	5ESS® . . . . .	235
EADAS (Engineering and Administrative Data Acquisition System) . . . . .	190, 822	ETN (Electronic Tandem Network) . . . . .	309
EADAS/NM (Engineering and Administrative Data Acquisition System/Network Management) . . . . .	190	ETN (Electronic Tandem Network) System Operations . . . . .	788
EADAS/NM (Engineering and Administrative Data Acquisition) . . . . .	190	ETN Notes . . . . .	781
EADAS/NORGEN (Engineering and Administrative Data Acquisition System—Network Operations Report Generator) . . . . .	190	Early Maintenance Information System (EMIS) . . . . .	790
EC Emergency Radio . . . . .	403	Earth-Boring Machines . . . . .	649
EC-1 System (MOTOROLA*) . . . . .	403	Earthquake and Disaster Bracing for Central Office Equipment . . . . .	800
EC-C1 Control Terminal . . . . .	403	Echo Cancellers . . . . .	332
ECP (Equipment Conversion Package) . . . . .	756	Echo Fox Radio Systems . . . . .	406
ECTS (Electronic Customer Telephone Service) . . . . .	554	Echo Suppression and Anti-Sing Circuit SD-1G283-01 . . . . .	480
ED Emergency Radio . . . . .	403	Echo Suppressor Test Sets . . . . .	103
ED-63927-01 Variable Waveguide Attenuator (TD-2) . . . . .	104	Echo Suppressors . . . . .	332
ED50978-10 Portable Test Arrangement . . . . .	104	Edge Punched Card	
EDP System Manuals . . . . .	756	Feeder . . . . .	574
EDP System Manuals and PICS-BIS/Trunks . . . . .	756	Punch (Keyboard Typing Reperforator) . . . . .	574
EMIS (Early Maintenance Information System) . . . . .	790	Reader (Transmitter Distributor) . . . . .	574
EMP Terminations . . . . .	636	Tables . . . . .	574
EOTT/RTMB (Enhanced Operational Trunk Test/Remote Trunk Make Busy) . . . . .	218	Typing Reperforator Send-Receive Set . . . . .	574
EPSCS (Enhanced Private Switched Communications Service) . . . . .	309	Typing Reperforator Base . . . . .	574
ERCO 361-TB Transmitter . . . . .	406	Typing Reperforator Cover . . . . .	574
ERCO 362-R Receiver . . . . .	406	Editorial, Illustrating, and Printing Specifications . . . . .	000
ERCO Type 2040 Carrier-On Monitor . . . . .	406	Educational Services . . . . .	019
		Electrical Cable Testing and Identification	
		Cable Transfers . . . . .	634
		Electrolysis, Outside Plant . . . . .	635
		Fault Location . . . . .	634
		Identifying Conductors . . . . .	634
		Locating Underground Pipes and Cables . . . . .	634
		Section Replacements . . . . .	634
		Transmission Tests . . . . .	634
		Electrical Indicating Instruments Catalog Information . . . . .	084

Electrical Indicating Instruments (Continued)			
Common Usage— Maintenance, Selection, and Use . . . . .	100		
Meters . . . . .	100		
Switching Systems and Power— Maintenance Selection, and Use . . . . .	102		
Electrical Protection . . . . .	918		
Electrical Protection and Bonding . . . . .	918		
Bonding and Grounding . . . . .	638		
Cable and Station Protection . . . . .	638		
Electrical Service Units . . . . .	573, 574		
Electrical Test Equipment— Outside Plant . . . . .	106		
Electrical indicating instruments and meters . . . . .	084		
Electrical— Building Engineering . . . . .	760		
Electrified Vehicles . . . . .	649		
Electrodes and Terminals . . . . .	803		
Electrolysis, Outside Plant . . . . .	635		
Drainage Wire Construction . . . . .	635		
Switches . . . . .	635		
Testing . . . . .	635		
Electron Tube Cathode Activity Tests . . . . .	362		
Electron Tubes			
General Information . . . . .	024		
Station Set Components . . . . .	501		
Type B Wire-Line Entrance Link— TJ and LMX . . . . .	357		
Test Sets and Test Data . . . . .	100		
Type A Wire-Line Entrance Link— TD2 and LMX . . . . .	357		
Type B Wire-Line Entrance Link— TD2 and LMX . . . . .	357		
Type A Wire-Line Entrance Link— TJ and LMX . . . . .	357		
Type C Wire-Line Entrance Link— TD2 and LMX . . . . .	357		
Electronic Blackboard . . . . .	590		
Electronic Custom Telephone Service (ECTS) . . . . .	554		
Electronic Data Processing . . . . .	007		
Electronic Switching Type Equipment . . . . .	801		
Electronic Systems Assistance Center (ESAC) . . . . .	191		
Electronic Tandem Network (ETN) System Operations . . . . .	788		
Electronic Telegraph Repeaters . . . . .	312		
Electronic Telephone Sets . . . . .	503		
Electronic Translator . . . . .	212		
Emergency			
Alarm Circuits . . . . .	201		
Alarm Systems . . . . .	201		
Engine Sets . . . . .	155		
Lighting . . . . .	802		
Lighting Fixture . . . . .	065		
Line Circuits . . . . .	201		
Operation . . . . .	355		
Pilot Alarm Control Circuit . . . . .	356		
Pilot Supply . . . . .	356		
Power Plant Tests and Logs . . . . .	155		
Point-to-Point Radio . . . . .	403		
Radio . . . . .	400		
Reporting . . . . .	473		
Reporting Services (ERS) . . . . .	533		
Emergency Reporting Systems			
Customer Equipment . . . . .	067, 473		
Employee Profile . . . . .	010		
Enclosures			
Indoor . . . . .	508		
Indoor-Outdoor . . . . .	508		
Outdoor . . . . .	508		
Enclosures and Paper Handling . . . . .	574		
End Customer Mgmt. System MACSTAR II . . . . .	190		
End-to-End Baseband Protection Switching . . . . .	416		
End-to-End IF Protection Switching . . . . .	416		
Energy Communications Service			
Adjunct . . . . .	478		
Energy Systems . . . . .	155, 167, 169		
Engine Cooling Systems; Reserve . . . . .	065		
Engine Fuel . . . . .	065		
Engine Sets . . . . .	159		
Engine Starting Batteries . . . . .	157		
Engine-Alternator Sets . . . . .	155		
Engine— Alternators . . . . .	155		
Engineer Drawing Specifications . . . . .	000		
Engineering . . . . .	235		
Engineering Administrative Data Acquisition System (EADAS) . . . . .	190, 822		
Engineering Administrative			
Documents . . . . .	790		
Engineering Complaint Procedures . . . . .	010		
Engineering Complaint and Consumer Product Report Procedures . . . . .	010		
Engineering Considerations - Inductive Coordination . . . . .	873		

GE ST-13A-WE Frequency Meter . . . . .	104	General (Continued)	
GE* Progress Line . . . . .	404	Trade Products — ACD . . . . .	476
GENERAL ELECTRIC* 4KC4A2 Rev. RC286 . . . . .	404	Troubles — Analyzing, Locating, and Clearing . . . . .	216
GENERAL ELECTRIC* BO-42NA Base Station . . . . .	406	Generating Systems; Frequency . . . . .	354
GENERAL ELECTRIC* KS-19852 Mobile Radio (MJ) . . . . .	405	Generator	
GENERAL RADIO* 605-B Signal Generator . . . . .	104	61B and 61C . . . . .	103
GENESIS® Telesystem . . . . .	503	Coin Control . . . . .	155
Gain Equalization of an L3 Unit . . . . .	359	Charging . . . . .	155
Gain and Delay Measuring Sets . . . . .	103	Loop Checker . . . . .	103
Galvanic Anodes - Corrosion Prevention . . . . .	877	Microwave Radio . . . . .	104
Gas Detecting Devices . . . . .	081	Milliwatt Reference . . . . .	103
Gas Detection and Alarm System . . . . .	644	Motor . . . . .	155
Gas Sources . . . . .	637	Noise . . . . .	103
Gas Turbine Alternators . . . . .	155	Portable . . . . .	649
Gasoline Engine-Alternator Sets— Schramm Types . . . . .	155	Ringling . . . . .	103
Gasoline in Manholes . . . . .	620	Signal . . . . .	103
Gauge and Insulation of Wire . . . . .	800	Generic Retrofit and ODA Update— Planning and Scheduling Guide . . . . .	234
Gauges		Generic Retrofit/Update . . . . .	234
Common Usage — Maintenance, Selection, and Use . . . . .	085	Gertsch Model FM-7 Frequency Meter and DM-3 Deviation Meter . . . . .	104
Coded . . . . .	084	Gfeller Line Concentrator . . . . .	067
Catalog Information . . . . .	084	Gloves; Insulating . . . . .	075, 081
Noncoded . . . . .	084	Gongs	
General		Audible Alarm Signal . . . . .	028
Air-Ground Radio System		Station Components . . . . .	501
Requirements . . . . .	406	Government Services	
Business System (GBS) . . . . .	010	Air-Ground Radio Services . . . . .	406
Considerations — Regulators . . . . .	360	Customer Equipment . . . . .	480
DataComm		Granger TRANSMUX Facility	
Multiplexer/Converter . . . . .	312	Connector . . . . .	365
Engineering Aspects of Noise . . . . .	870	Granger Transmux . . . . .	365
Methods . . . . .	010	Graphic Media Systems and Standards . . . . .	006
Methods Records and Reports . . . . .	010	Graphical Determination of Input Impedance of Repeating Coil With Any Terminating Impedance . . . . .	304
Personnel Methods . . . . .	010	Greases . . . . .	065, 075
Precautions — Station Tools, Materials, and Procedures . . . . .	460	Ground Detector Tests . . . . .	356
Principles - Carrier Engineering . . . . .	855	Ground-to-Air Data Systems . . . . .	314
Radio Type 1862 Megohmmeter and TD-2 Capacitor Test Set . . . . .	104	Ground-to-Ground Data Systems . . . . .	314
System Information . . . . .	252	Grounded Neutral Generators . . . . .	874
Telemetry Processor . . . . .	201	Grounding Requirements . . . . .	803
Toll Switching Plan . . . . .	853	Grounds and Ground Measurements . . . . .	876
Trade Teleconferencing Equipment . . . . .	481	Group	
		Bandwidth Data Systems . . . . .	880
		Carrier Distribution Circuit . . . . .	356
		Connectors . . . . .	356
		Carrier Supply . . . . .	356

Group (Continued)

- Demodulator . . . . . 356
- Equipment . . . . . 361
- Entrance Link Per SD-50968-01 . . . . . 357
- Modulator . . . . . 356
- Oscillator . . . . . 361
- Receiver . . . . . 361
- Switching . . . . . 362
- Transmitting and Receiving Units . . . . . 362
- Terminal Equipment . . . . . 355
- Transmitter . . . . . 361
- Group Alerting System . . . . . 201
- Group Alerting System — Station Apparatus . . . . . 480
- Group Alerting Systems
  - Customer Equipment . . . . . 480
  - Nonswitched Special Services . . . . . 310
- Group Unit Lineup
  - Receiving . . . . . 362
  - Transmitting and Receiving Junctions . . . . . 362
  - Transmitting . . . . . 362
- Group and Supergroup Pilot Signals — Description . . . . . 356
- Group and Supergroup Pilot Signals — Tests . . . . . 356
- Group — Measuring Circuits . . . . . 356
- Groupband Data Systems (Restored Polar) . . . . . 314
- Growth Description - 3 ESS Switch . . . . . 233
- Growth and Maintenance
  - Considerations . . . . . 231
- Growth - 4 ESS . . . . . 234
- Guarding Work Areas — Outside Plant . . . . . 620
- Guys . . . . . 621

**H**

- H-Type Control Terminal . . . . . 404
- HCFE (High Capacity Front End) . . . . . 660
- HIN Test Set . . . . . 103
- HOBIS (Hotel Billing Information System) . . . . . 201, 824
- HORIZON® Communications System . . . . . 518, 999
- Half-Group Bandwidth Data Systems . . . . . 880
- Half-Groupband Data Systems . . . . . 314
- Hand Telephone Sets . . . . . 502, 510
- Handlines . . . . . 081

- Handling Alarms, Trouble Reports, and Other Signals . . . . . 216
- Handset Cords . . . . . 501
- Handsets . . . . . 501
- Hangers . . . . . 508
- Harbor Radio; Coastal . . . . . 403
- Harmonic Distortion . . . . . 320
- Harmonic Distortion Measuring Systems; 1A . . . . . 103
- Head Telephone Sets . . . . . 028
- Headsets . . . . . 028
- Heater Base . . . . . 514
- Heater Base (Used With Telephone Answering Sets) . . . . . 514
- Heater Supply Test Set . . . . . 104
- Heaters . . . . . 081
- Heating and Soldering Tools . . . . . 081
- Heterodyne Auxiliary Channel . . . . . 420
- Hewlett-Packard KS-16647 RF Test Set . . . . . 104
- Hewlett-Packard Selective Level Measuring Set 3745B . . . . . 103
- High Seas Radio . . . . . 403
- High Seas and Overseas Radio . . . . . 403
- High Speed Send-Receive Set for Switching System No. 307 . . . . . 592
- High Speed Tape Punch (BRPE Type) . . . . . 592
- High Speed Tape Punch (DRPE Type) . . . . . 592
- High Speed Tape Reader (CX Type) . . . . . 592
- High Speed Tape Reader (DX Type) . . . . . 592
- High Speed/Lightwave Digital Lines/FT Series G . . . . . 365
- Hit Indicators and Suppressors . . . . . 103
- Hoists and Associated Tools . . . . . 081
- Home Interphone Systems . . . . . 512
- Home Interphone Systems - 1A . . . . . 512
- Hop Performance Tests . . . . . 421
- Hop Tests . . . . . 421
- Horn-Reflector and Waveguide System . . . . . 402
- Hospital Interphone Systems . . . . . 512
- Hot Standby Switch . . . . . 409
- Hot Standby/Space Diversity . . . . . 413
- Hot Standby/Space Diversity Systems . . . . . 416
- Hot Standby/Space Diversity — Overall Switching . . . . . 411
- Hot Standby — Operation and Maintenance - Maintenance Support . . . . . 421

FARINON KS-21046 Multiplex Equipment . . . . .	408	FTS (Federal Telecommunications System) . . . . .	309
FARINON KS-21047 Multiplex Equipment . . . . .	408	FV-43 Diplexed Audio System . . . . .	318
FARINON Type SS2000W-02 . . . . .	403	Facility Connectors . . . . .	365
FAST (Field Assistance and Support Team) . . . . .	010	Facility Design — Firesafety . . . . .	760
FASTAR (Fast Automatic Restoration) . . . . .	190	Facility Identification . . . . .	795
FAX (Facsimile) . . . . .	006	Facility Maintenance and Administrative Center (FMAC) . . . . .	190
FCC Regulatory Information . . . . .	400	Facility Management Center — TV . . . . .	318
FEPS (Facility and Equipment Planning System) . . . . .	781	Facility and Equipment Planning System (FEPS) . . . . .	781
FM Generator — Tests . . . . .	410	Facsimile (FAX) . . . . .	006
FM Radio . . . . .	421	Facsimile Communication (FAX) Systems . . . . .	007
FM Receiver Switching . . . . .	410	Fans . . . . .	161
FM Receiver Tests . . . . .	410	Far-End Transmission Measuring and Noise Checking Circuit and Associated 104-Type Test Lines . . . . .	103
FM Terminal Metering Test Sets . . . . .	104	Farm Interphone . . . . .	512
FM Terminal Switching . . . . .	410	Farm Interphone Systems - 2A . . . . .	512
FM Terminal Test Set . . . . .	104	Fast Automatic Restoration (FASTAR) . . . . .	190
FM Terminal Test Sets . . . . .	104	Fasteners . . . . .	508
FM Terminal, Visual Delay, and Protection Switching Test Sets . . . . .	104	Fault Locating — Outside Plant . . . . .	644
FM Terminals . . . . .	410	Fault Location — Cable . . . . .	634
FM Terminals (Microwave) 3A and 3B . . . . .	420	Feature Documents 1A ESS Switch . . . . .	231
4 Type . . . . .	420	2/2B ESS Switches . . . . .	232
TD-2 . . . . .	410	3 ESS Switch . . . . .	233
TH-1 . . . . .	412	4 ESS . . . . .	234
FM Terminals - Microwave Radio Engineering . . . . .	940	Common to 2-Wire 1 and 1A ESS Switches . . . . .	231
FM Transmitter Switching . . . . .	410	User's Manuals — 2-Wire 1 ESS Switch . . . . .	231
FM Transmitter Tests . . . . .	410	Feature Handbooks . . . . .	235
FMAC (Facility Maintenance and Administration Center) . . . . .	190	Feature Manuals . . . . .	235
FPD (Floor Plan Data) Sheets . . . . .	800	Federal Aviation Agency (FAA) . . . . .	310
FR6 Microwave Radio Systems . . . . .	421	Private Line Data Systems . . . . .	314
FSP - Signaling Equipment . . . . .	801	Radio Equipment Remote Operation Circuits . . . . .	880
FT Series Lightguide . . . . .	365	Federal Communications Commission (FCC) . . . . .	400
Lightguide Cables . . . . .	626	Federal FLU-5107 Receiver . . . . .	408
Lightwave/Lightguide . . . . .	365	Federal FTR-28C Multiplex Equipment . . . . .	408
Lightguide Closure . . . . .	633	Federal FTR-29C Antenna System . . . . .	402
FT Series G Lightwave Systems . . . . .	365	Federal Microwave Radio . . . . .	408
FT Series G Terminal and Line Repeater Station . . . . .	365	Federal Telecommunications Services . . . . .	310
FT-2000 Lightwave System . . . . .	365	Federal and REL Microwave Radio . . . . .	408
FT3/FT3C/FTX-180 Lightwave Digital Line . . . . .	365		
FTM 600 LT MUX Operations Manual . . . . .	365		

Feeder Cable Relief . . . . .	901	Frames . . . . .	818
Feeder Facilities Design . . . . .	916	Frames and Relay Rack Equipments . . . . .	816
Feeder and Distribution Systems . . . . .	857	Frames - Miscellaneous . . . . .	801
Feeder; Battery		Framework . . . . .	065
Customer Equipment . . . . .	460	Frequency Allocations . . . . .	304
Distributing Frames (Central Office) . . . . .	201	Frequency Analyzers	
Fiber Optic Tools . . . . .	081	Microwave Radio . . . . .	104
Fiber-to-the-home . . . . .	015, 363	Voice- and Carrier-Frequency . . . . .	103
Field Assistance and Support Team (FAST) . . . . .	010	Frequency Calibrators . . . . .	104
Field Installation; Teletypewriter . . . . .	579	Frequency Charts . . . . .	359
Field Maintenance; Teletypewriter . . . . .	579	Frequency Diplexed Auxiliary Channel . . . . .	420
Filament Supplies . . . . .	169	Frequency Diversity . . . . .	421
Filter Tests . . . . .	361	Frequency Diversity Type Microwave Radio . . . . .	408
Filters . . . . .	361	Frequency Diversity — Operation and Maintenance — Regenerator Station . . . . .	421
Filters — Station Set Components . . . . .	501	Frequency Diversity — Operation and Maintenance — Terminal Station . . . . .	421
Finance . . . . .	193	Frequency Diversity — Turnup Procedures . . . . .	421
Finders . . . . .	814	Frequency Generating Systems . . . . .	354
Fire Alarm Circuits . . . . .	201	Frequency Measurement Circuit . . . . .	403
Fire Alarm and Detection Systems . . . . .	760	Frequency Selective Voltmeter . . . . .	103
Fire Drill Alarm . . . . .	201	Frequency Supply	
Fire Extinguishers . . . . .	760	N3 Carrier . . . . .	362
Fire Fighting . . . . .	010	Office Master . . . . .	354
Fire Protection Equipment . . . . .	760	Primary . . . . .	354
Fire Protection — Firesafety . . . . .	760	Frequency Supply and Pilot Combining Circuits . . . . .	356
Fire Suppression System . . . . .	760	Fuel; Engine . . . . .	065
Fire, Safety, and Radiation Procedures . . . . .	010	Furniture . . . . .	065
Firmware Coding . . . . .	801	Fuse Alarms . . . . .	201
First Aid and Rescue Procedures . . . . .	010	Fuse Bays . . . . .	801
Fittings, Floor Duct, and Wiremold . . . . .	461	Fuses and Mountings . . . . .	026
Fixtures . . . . .	065		
Fleet Maintenance — Motor Vehicles . . . . .	720	<b>G</b>	
Floor Plan Data (FPD) Sheets . . . . .	800	G-2 Control Terminal . . . . .	404
Fluids		G-Type - Signaling Equipment . . . . .	801
Cleaning . . . . .	065	GBS (General Business System) . . . . .	010
Precautions . . . . .	065	GE 4ER21A1 Rev. RC286 . . . . .	404
Fluorescent Lighting . . . . .	802	GE 4ER25B12 RC705 . . . . .	404
Folders (Program, Run Processing, Etc.) . . . . .	756	GE 4ET1E1 Rev. RC 286 . . . . .	404
Force Administration Data System (FADS) (Customer Equipment) . . . . .	476, 981	GE 4ET21A12 RC705 4EP4A1 RC705 . . . . .	404
Force Administration Data System (FADS) Telephone Company Business Office . . . . .	476	GE J-41630B . . . . .	404
Foreign Voltage Detecting Devices . . . . .	081	GE J-41630C . . . . .	404
Frame Control Center . . . . .	190	GE PLM-7484519-G11 Transmitter and PL-7776064-G1 Multifrequency Panel . . . . .	404
Frame Control Center — Frame Work Station . . . . .	190		



Hot Standby — Operation and Maintenance - Regenerator Station . . . . . 421

Hot Standby — Operation and Maintenance - Terminal Station . . . . . 421

Hotel Billing Information System (HOBIS) . . . . . 201, 824

Hotel Billing Information System/Centralized Credit Refund System (HOBIS/CCRS) . . . . . 201

Hotel/Motel Services . . . . . 533, 984

House Cable . . . . . 627

Human Resources . . . . . 010

I

ICS (Industrial Communications System) . . . . . 473

IDCU (Integrated Digital Carrier Unit) . . . . . 235

IDS (Information Delivery System) . . . . . 195

IEOCS (Interim Equipment Order Control System) . . . . . 756

IF Auxiliary Equipment . . . . . 410

IF Entrance Link . . . . . 420

IF Equipment Tests . . . . . 420

IF Pilot Resupply and Transfer Panel . . . . . 410

IF Switching Tests . . . . . 412

IF Test Sets . . . . . 104

IFFAS (Integrated Facilities and Force Administration System) . . . . . 190

ILAS (Integrated Services Digital Network Line Assignment System) . . . . . 235

IMS — Operating Procedures . . . . . 790

INMS (Italy Network Management System) . . . . . 190

ISDN (Integrated Services Digital Network) . . . . . 235

ISDN (Integrated Services Digital Network) Terminal Equipment . . . . . 555

ISDN (Integrated Systems Digital Network) - Applications . . . . . 533

ISDN Gateway . . . . . 585

ISN (Information Systems Network) . . . . . 555

ISSC (Interfunctional Special Services Coordination) — AT&T Communications . . . . . 010

ITT Tel-Touch Equipment . . . . . 227

ITTL NUS 3296 Power Amplifier . . . . . 403

ITTL NUS 3297 Converter-Amplifier . . . . . 403

ITTL NUS 3298 Receiver . . . . . 403

ITTL NUS 3653-8 10-KW Power Amplifier . . . . . 403

ITTL NUS 4492-1 Order-Wire and Pilot Tone Equipment . . . . . 403

IXN Frequency Diversity and Hot Standby — Maintenance Center Operations . . . . . 421

Identifying Conductors, Single Point Operation . . . . . 634

Identifying Conductors, Two Point Operation . . . . . 634

Idle Indicator Relay Circuit and Lamps . . . . . 356

Impact Wrenches . . . . . 081

Impedance

- Bridges . . . . . 103
- Compensators . . . . . 332
- Data - Power Supply . . . . . 874
- Matching Test Set . . . . . 104
- Matching Pads . . . . . 103
- Matching Devices (Radio) . . . . . 104

Implementation Guidelines for Communications System . . . . . 555

In-Service Line-Up Procedures . . . . . 362

Inbound Services Management . . . . . 585

Incandescent Lighting . . . . . 802

Incoming Link, Outgoing Link, and Junctor Grouping Equipments . . . . . 818

Incoming Register Equipments . . . . . 818

Incoming and Outgoing Link Frames . . . . . 818

Independent Pilot Supply . . . . . 356

Indicating Instruments and Meters . . . . . 100

Indicators

- Carrier Failure . . . . . 074
- Fuse Alarms . . . . . 026, 201
- Lamps . . . . . 463
- Noncoded Gauges . . . . . 084
- Signal Condition . . . . . 103
- Tools — Coded and Noncoded . . . . . 074

Inductive Coordination Practices . . . . . 873

Inductive Coordination - Power Supply . . . . . 874

Inductive Coupling . . . . . 873

Inductive Noise — Customer Equipment . . . . . 500

Inductive Noise — Station Sets . . . . . 500

Industrial Communications System (ICS) . . . . . 473

Information Delivery System (IDS) . . . . . 195

Information Desk (PBX) . . . . . 475

Information Management System . . . . . 720

Information Service . . . . .	852	Intellectual Property . . . . .	019
Information Systems		Intercepting Service— Transmission	
Data Management . . . . .	007	Features . . . . .	852
Data Processing Operations . . . . .	007	Intercommunicating Systems . . . . .	512
Data Communications . . . . .	007	Interconnecting Service Units . . . . .	463
Network (ISN) . . . . .	555	Interconnecting Units— Customer	
Planning . . . . .	007	Equipment . . . . .	463
Systems Development . . . . .	007	Interface Specifications . . . . .	235
Information on Stationery for		Interface Trunks	
Teletypewriters . . . . .	570	Customer Equipment . . . . .	473
Initial and Periodic Maintenance		Circuits . . . . .	473
Tests . . . . .	314	Interference Factor Measurements . . . . .	873
Initiator Test Sets . . . . .	104	Interference to Radio Reception . . . . .	873
Initiator Tests . . . . .	420	Interference - Microwave Radio	
Input Impedance		Engineering . . . . .	940
Loaded and Non-Loaded Cable —		Interfunctional Special Services Coordination	
Arbitrary Lengths and Gauges . . . . .	304	(ISSC) . . . . .	010
Loaded Cable with Short-Circuit and		Interim Picturephone Service . . . . .	356
Open-Circuit Termination . . . . .	304	Intermediate Equipment Return Loss . . . . .	304
Non-Loaded Cable with any		Intermediate Frequency Converter	
Termination . . . . .	304	Circuit . . . . .	356
Non-Loaded Cable With Short-Circuit and		Intermediate Frequency Supplies . . . . .	356
Open-Circuit Termination . . . . .	304	Intermediate Line Irregularity Return	
Insertion Loss at Carrier		Loss . . . . .	304
Frequencies . . . . .	304	International Communications	
Insertion Loss at Voice Frequencies . . . . .	304	Services . . . . .	015
Inside Terminals . . . . .	631	International Digital Radio Systems . . . . .	421
Inside Wire and Inside Wire Cable . . . . .	461	Interoffice Facility Planning . . . . .	781
Inspection— Central Office		Interoffice Signaling Systems . . . . .	333
Equipment . . . . .	800	Interoffice Trunks . . . . .	341
Installation . . . . .	800	Interphone Systems . . . . .	512
Installation and Change Notice		Interphone Systems — Apartment Door	
Methods . . . . .	010	Answering, Business, Farm, Home, . . . . .	512
Insulated Cable Closures . . . . .	633	Interrupters . . . . .	163
Insulating Contacts — Method . . . . .	069	Intertoll Dialing Equipment . . . . .	227
Insulating Gloves . . . . .	075, 081	Intertoll and Toll Connecting . . . . .	660
Insulation Alarm Circuits . . . . .	201	Intra-PBX Protection of Service . . . . .	473
Integrated Access and Cross-Connect		Inventories . . . . .	742
System . . . . .	365	Inventory Control/Identification . . . . .	801
Integrated Digital Carrier Unit (IDCU) . . . . .	235	Inventory Facilities . . . . .	010
Integrated Facilities and Force Administration		Inventory Form Instructions (Forms No. BISP 61-	
System (IFFAS) . . . . .	190	0001 Through No. BISP 61-	
Integrated Services Digital Network		0136) . . . . .	756
(ISDN) . . . . .	235	Inventory Management Documents . . . . .	790
Integrated Services Digital Network Line		Inventory Management Manual (Parts 1	
Assignment System (ILAS) . . . . .	235	Through 16) . . . . .	790
Integrated Synchronous ROP (Receive-Only		Inverted Converters . . . . .	161
Printer) Station . . . . .	582	Inverter Equipment . . . . .	802
Integrated and Force Administration		Inverters	
System . . . . .	190	DC-to-AC . . . . .	161

Inverters (Continued)  
 For Telephone Answering Sets . . . . . 514  
 Isolators; Ringer . . . . . 501  
 Italcable Network . . . . . 256  
 Italtel SIP Intelligent Network . . . . . 256

**J**

J-Drawings . . . . . 235  
 J1 Control Terminal . . . . . 407  
 J1P012A OTTS (Outgoing Trunk Testing System) . . . . . 103  
 J1P029B and J1P029C CAS (Carrier Alarm Scanner) . . . . . 103  
 J41625A Remote Power Control Unit . . . . . 104  
 J41642A Trunk Terminating Circuit . . . . . 406  
 J41643A Base Station Transmitter Trunk Terminating Circuit . . . . . 407  
 J64092B Programming Console . . . . . 103  
 J68338A/B IF Switching/Distribution Amplifiers . . . . . 410  
 J68338C IF Auxiliary Amplifier . . . . . 410  
 J68349F IF Bridging Amplifier . . . . . 410  
 J94021A (21A) Transmission Measuring Set . . . . . 103  
 J94022A (22A) Milliwatt Reference Meter . . . . . 103  
 J94051 ATMS (Automatic Transmission Measuring System) . . . . . 103  
 JCSAN (Joint Chiefs of Staff Alerting Network) . . . . . 310  
 JMOS (Job Management Operations System) . . . . . 928  
 JMX (Jumbogroup Multiplex) . . . . . 356  
 JMX and L5 Carrier . . . . . 356  
 Jack and Connector Circuit . . . . . 314  
 Jacks  
     Cleaning . . . . . 069  
     Coded, Noncoded, and Combined . . . . . 032  
     Station . . . . . 461  
 Jerrold Starline - One . . . . . 857  
 Job Management Operations System (JMOS) . . . . . 928  
 Joint Chiefs of Staff Alerting Network (JCSAN) . . . . . 310  
 Joint Use of Wood Poles - Agreements . . . . . 937  
 Joints . . . . . 632

Jones MICROMATCH\*, Models 711N & 711N2 Meter . . . . . 104  
 Jumbogroup Frequency Supply . . . . . 354  
 Junction; N3/L (N3 Carrier) . . . . . 362  
 Junctor Equipments . . . . . 816  
 Junctor Grouping Equipments . . . . . 819  
 Junctor Grouping Frames . . . . . 818

**K**

K, N, O, ON, and U Carriers . . . . . 855  
 K1 Carrier - Performance Requirements . . . . . 804  
 K1 Carrier - Specifications . . . . . 804  
 K1 Control Terminal . . . . . 406  
 K2 Carrier - Performance Requirements . . . . . 804  
 K2 Carrier - Specifications . . . . . 804  
 KS-10361 Two-Tone Oscillator . . . . . 104  
 KS-15586 Oscilloscope (TD-2) . . . . . 104  
 KS-19626 and -7 Control Units (MJ) . . . . . 405  
 KS-20001 Flanging Kit . . . . . 402  
 KS-20283, L1 Control Unit . . . . . 405  
 KS-20285 Base Receiver (MK) . . . . . 405  
 KS-20285 Base Transmitter-Receiver (MK) . . . . . 405  
 KS-20286 Base Transmitter Combiner (MK) . . . . . 405  
 KS-20988 Multichannel Subscriber Carrier System . . . . . 363  
 KS-21131 Control Terminal . . . . . 406  
 KS-5782 L1 Signal Generator (TD-2) . . . . . 104  
 KSR Station . . . . . 574  
 KSR, RO, and ASR . . . . . 574  
 K-Type Carrier System . . . . . 355  
 Key Cabinets . . . . . 801  
 Key Equipment . . . . . 512, 812  
 Key Systems . . . . . 999  
 Key Telephone Systems . . . . . 473, 518  
 Key Telephone Units Common To Several Systems . . . . . 518  
 Keyboard . . . . . 574  
 Keyboard Send-Receive (KSR) . . . . . 574  
 Keyboard Send-Receive and Receiving Only Teletypewriter Set (KSR and RO) . . . . . 573  
 Keyboard Tape Printer (KTP) . . . . . 574  
 Keyboard and Base for KSR and RO Sets . . . . . 574  
 Keyboard for ASR Sets . . . . . 574

Keyboards and Transmitter	
Distributors . . . . .	573
Keys	
Replacement, Requirements, and	
Adjusting . . . . .	032
Station . . . . .	512
Keyshelf Bulletin Holders . . . . .	065
Kits	
Coded and Noncoded Tool . . . . .	074
Modification— Station Sets . . . . .	501

**L**

L Carrier . . . . .	855
L Carrier - Performance	
Requirements . . . . .	804
L Carrier - Specifications . . . . .	804
L Multiplex Terminal Circuits J68918	
Scanner, Test, and Alarm	
Equipment . . . . .	356
L Type Multiplex - Performance	
Requirements . . . . .	804
L Type Multiplex - Specifications . . . . .	804
L-Multiplex Measuring System . . . . .	103
L1 Carrier Test Sets . . . . .	103
L1 Carrier— Terminals, Repeaters, Power	
Supplies, Overall System and B2 and C2	
Television Terminals . . . . .	358
L1 Carrier - Performance	
Requirements . . . . .	804
L1 Carrier - Specifications . . . . .	804
L1 Line Pilot Frequencies . . . . .	356
L1 Maintenance Centers— Test	
Equipment . . . . .	360
L3 Carrier . . . . .	359
L3 Carrier System Test Sets . . . . .	103
L3 Carrier - Performance	
Requirements . . . . .	804
L3 Carrier - Specifications . . . . .	804
L3 Maintenance Center . . . . .	360
L4 Carrier - Performance	
Requirements . . . . .	804
L4 Carrier - Specifications . . . . .	804
L4 and L4S Carrier . . . . .	359
L4 and L4S Carriers . . . . .	855
L4S System . . . . .	359
L5 Carrier Basic Jumbogroup Trunk	
Bay . . . . .	356
L5 Carrier - Specifications . . . . .	804
L5 and L5E Carrier . . . . .	359

L5 and L5E Carriers . . . . .	855
L5/T4M Joint Operations . . . . .	855
L60A/L120A LMX-2 Carrier Terminal . . . . .	356
LAMA (Local Automatic Message	
Accounting) . . . . .	218
LAMA-C (Local Automatic Message	
Accounting-Computerized) . . . . .	958
LAN (Local Area Network) . . . . .	255
LASS (Local Area Signaling	
Services) . . . . .	010, 231
LATIS (Loop Activity Tracking Information	
System) . . . . .	901
LATS (Line Access Test System) . . . . .	314
LC Series Digital Microwave Radio . . . . .	421
LCS 200 . . . . .	255
LD-R1 Radio Receiver . . . . .	403
LD-T2 Transmitters . . . . .	403
LGX (Lightguide Cross-Connect) . . . . .	636
LINEAGE® 2000	
System . . . . .	155, 167, 169, 365
LMOS (Loop Management Operations	
System) . . . . .	660
LMX and TL— Electron Tube Type A Wire-	
Line Entrance Link . . . . .	357
LMX-1 AND MMX-1 . . . . .	356
LMX-1 Carrier and Pilot Supply . . . . .	356
LMX-1/LMX-2, LMX-3 . . . . .	356
LMX-2 Carrier Terminal Test	
Fixtures . . . . .	103
LMX-2 Terminal . . . . .	356
LMX-3 System . . . . .	356
LOCAP Carrier Cables . . . . .	626
LRSS (Long Range Switching	
Studies) . . . . .	781
LSRP (Local Switching Replacement	
Planning) System . . . . .	781
LSS (Loop Switching System) . . . . .	363
LSU (Local Storage Unit) and CMDR	
(Centralized Message Detail	
Recorder) . . . . .	190
LT Connector . . . . .	356
LWM Wideband Modem and Digits on	
Radio . . . . .	356
L-Multiplex Terminal Equipment; Analog	
JMX . . . . .	356
LMX Wideband Modem . . . . .	356
LMX-2 . . . . .	356
LMX-3 . . . . .	356
LMX-1 . . . . .	356
LWM Wideband Modem . . . . .	356

L-Multiplex Terminal Equipment; Analog (Continued)

- MGT . . . . . 356
- MMGT . . . . . 356
- MMX-1 . . . . . 356
- MMX-2 . . . . . 356

L-Type Carrier Systems

- L4 and L4S . . . . . 359, 855
- L5 and L5E . . . . . 359, 855
- Maintenance Center Tests — L1 and L3 . . . . . 360
- Speakerphone . . . . . 358, 855

Ladders

- Safety Precautions . . . . . 010

Lamp Indicators . . . . . 463

Lamp Indicators, Loudspeaker Sets, Recorder Connectors, and Voice-Controlled Switch . . . . . 463

Lamp Indicators — Customer Equipment . . . . . 463

Lamps

- Extension . . . . . 065
- Switchboard . . . . . 032
- Tests and Inspection . . . . . 032

Lamps and Reflectors . . . . . 081

Large Office Test Positions . . . . . 318

Lashed Aerial Cable

- Arrangement of Supports . . . . . 627
- Placing . . . . . 627
- Terminating Lashing Wire . . . . . 627

Lead Cable Closures . . . . . 633

- Discs . . . . . 633
- Plates . . . . . 633
- Steel Sleeves . . . . . 633
- Sleeves . . . . . 633
- Sleeve Liners . . . . . 633
- Wedges . . . . . 633

Lead-Acid Batteries . . . . . 157

Leak Location Methods . . . . . 637

Leased Facilities . . . . . 876

Leather Belts and Straps . . . . . 081

Lettering and Numbering . . . . . 069

Liaison - Outside Plant . . . . . 937

Lightguide . . . . . 365

- Cable - Installation Planning . . . . . 920
- Closure . . . . . 633
- Cross-Connect (LGX) . . . . . 636
- Cross-Connect, Interconnection, and Terminating . . . . . 636
- Cables . . . . . 626
- Cable Systems . . . . . 640

Lightguide (Continued)

- Interconnect . . . . . 365
- MX3/MX3C/FTX-180 Digital Multiplex and FT3/FT3C/FTX-180 Line Repeater Station . . . . . 365

Lighting

- Emergency . . . . . 802
- Fluorescent . . . . . 802
- Fixture; Emergency . . . . . 065
- Incandescent . . . . . 802

Lightwave Data Set . . . . . 365

Lightwave Digital Transmission Systems and MC-90/180 Maintenance Communication Facility . . . . . 855

Lightwave Systems

- Domestic . . . . . 365
- Undersea . . . . . 364

Lightwave Test Sets . . . . . 103

Lightwave/Lightguide . . . . . 365

Limiter-Amplifier . . . . . 410

Limiter-Amplifier — Tests . . . . . 410

Limiter-Detector . . . . . 410

Limiter-Detector — Tests . . . . . 410

Lincoln Digital Data System . . . . . 314

Lincompex Mark II . . . . . 403

Line Access Test System (LATS) . . . . . 314

Line Amplifiers . . . . . 355

Line Balancing . . . . . 801

Line Build-Out and Cross-Connecting Equipment . . . . . 362

Line Concentrator

- Central Office Equipment Associated with Emergency Reporting System (520-Type PBX) . . . . . 067
- General Descriptive Information . . . . . 951
- Identifier . . . . . 067
- No. 1A . . . . . 639
- Outside Plant . . . . . 639

Line Connecting Equipment . . . . . 359

Line Equipment Test Stand and Warm-Up Rack (L5 Carrier) . . . . . 103

Line Fault Location . . . . . 660

Line Finders . . . . . 226

Line Pilot Monitor . . . . . 356

Line Switch and Plunger Type Out Trunk Switch Offices . . . . . 225

Line Terminating System (90C LTS) . . . . . 422

Line Terminating Unit . . . . . 362

Line Terminations; Private . . . . . 480

Line-Up of L Unit . . . . . 358

Line-Up of L Unit — Pilot Supply Not Available at Testing Office . . . . . 358

Linearity Test Sets . . . . . 104

Lines

    Digital . . . . . 363, 365

    Pole . . . . . 621

    Specially-Engineered Transmission Test . . . . . 529

    163

Lineup of Groups in Tandem . . . . . 356

Lineup of Overall System . . . . . 359

Link 2051 Frequency Meter . . . . . 104

Link Equipment . . . . . 816, 817

Link and Junctor Grouping Equipments . . . . . 819

Links . . . . . 212

List of Teletype Corporation "S" Specifications and Bulletins—

    Teletypewriter Apparatus . . . . . 570

Load Control Equipment . . . . . 212

Load Handlers . . . . . 649

Load Spacing Limits and Building-Out . . . . . 853

Local Area Network (LAN) . . . . . 255

Local Area Signaling Services (LASS) . . . . . 010, 231

Local Automatic Message Accounting (LAMA) . . . . . 218

Local Battery

    Battery Supply Filter . . . . . 510

    Coin Collectors . . . . . 510

    Station Sets . . . . . 510

    Subscriber Sets . . . . . 510

Local Channel . . . . . 320

Local Channel Circuits . . . . . 857

Local Special Services Results Plan . . . . . 660

Local Storage Unit (LSU) . . . . . 190

Local Switching Replacement Planning (LSRP) System . . . . . 781

Local Test Cabinets . . . . . 662

Local Test Desks . . . . . 662

Local Video Channels and Services . . . . . 318

Locating Poles . . . . . 918

Locating Underground Pipes and Cables . . . . . 634

Location Identification Code . . . . . 795

Location Records - Outside Plant . . . . . 928

Location of Buried Plant . . . . . 106

Locker Distribution . . . . . 744

Long Haul Carrier . . . . . 320

Long Range Switching Studies (LRSS) . . . . . 781

Long Route Design - Outside Plant Loop . . . . . 902

    Assignment Records . . . . . 680

    Assignment . . . . . 680

    Carrier; SLC Subscriber . . . . . 363

    Checker Generators . . . . . 103

Loop Activity Tracking Information System (LATIS) . . . . . 901

Loop Management Operations System (LMOS) . . . . . 660

Loop Switching System (LSS) . . . . . 363

Loop Test Frame (LTF) . . . . . 662

Loop Transmission Systems . . . . . 363

Loss Component of Transmission Performance . . . . . 301

Loss-of-Facility Alarm Circuit (J70165E) . . . . . 312

Loudspeaker

    Sets . . . . . 463

    Speakerphone . . . . . 512

Loudspeaker Arrangements . . . . . 852

Loudspeaker Sets— Customer Equipment . . . . . 463

Low-Speed Signaling System Using Data Set 115A . . . . . 312

Lubricants . . . . . 065

**M**

M Series Digital Microwave Radio . . . . . 421

M1-2 Digital Multiplex . . . . . 365

M13 Digital Multiplex . . . . . 365

M1C Digital Multiplex . . . . . 365

M1C-A Digital Multiplex . . . . . 365

M34 Digital Multiplex . . . . . 365

MAAP, Visual . . . . . 585

MAC (Machine Administration Center) . . . . . 234

MACSTAR® II End Customer Mgmt. System . . . . . 190

MARTS (Material Accountability Record & Tracking Systems) . . . . . 010

MDT (Maintenance Data Transmitter) . . . . . 190

MERLIN® Communicatins System . . . . . 518

MERLIN LEGEND™ . . . . . 555

MERLIN Mail™ . . . . . 585

MF Pulsing - Signaling Systems . . . . . 801

MFOS (Multifunction Operations Systems) . . . . . 190

MFT (Metallic Facility Terminal) . . . . .	332	MOTOROLA (Continued)	
MGT (Mastergroup Translator) Analog		KS-21866 . . . . .	405
Multiplex Terminal . . . . .	356	Microwave Radio . . . . .	408
MIS (Management Information Systems)—		P-8531 Power Supply . . . . .	404
Automatic Call Distribution (ACD) and		PA-8491-B, PA-8492, WE-8497, and	
Personal Computer (PC) . . . . .	475	WE-8497-A . . . . .	404
MJ and MK Large System Control		Start-Dial Indicator . . . . .	404
Terminals . . . . .	405	WE-8066-L . . . . .	404
MJ and MK Small System Control		WE-8464 Power Supply . . . . .	404
Terminals . . . . .	405	WETU-250-BC and WETU-50-	
MJ/MK Base Station . . . . .	405	B1 . . . . .	404
MJ/MK Mobile Radiotelephone . . . . .	405	MOVIMS . . . . .	720
MJ/MK Mobile Station . . . . .	405	MRTTA (Message Recording Trunk Trouble	
ML Mobile Telephone		Analysis) . . . . .	190, 824
Base Station . . . . .	405	MSTIC (Mechanized Standard Time	
Control Terminal . . . . .	405	Increment Calculation) . . . . .	620
Mobile Equipment . . . . .	405	MTF Offices . . . . .	218
Overall System . . . . .	405	MTSO (Mobile Telephone Switching Office)	
MLT (Mechanized Loop Testing) . . . . .	660	1A ESS Switch . . . . .	231
MM Control Terminal . . . . .	403	Feature Documents — 1A ESS	
MMGT (Multimastergroup Translator) Analog		Switch . . . . .	231
Multiplex Terminal . . . . .	356	Maintenance — 1A ESS Switch . . . . .	231
MMGT-C (Multimastergroup Translator-		Software Descriptions — 1A ESS	
Cable) . . . . .	356	Switch . . . . .	231
MMGT-R (Multimastergroup Translator-		MX3/MX3C Digital Multiplex, FT3/FT3C/FTX-	
Radio) . . . . .	356	180 Terminals, and MC-	
MMX-1 . . . . .	356	90/180 Maintenance Communication	
MMX-1 and WLEL . . . . .	356	Facility . . . . .	365
MMX-2 . . . . .	356	Machine Administration Center	
MMX-2 AND MGT . . . . .	356	(MAC) . . . . .	234
MMX-2C and L4 Carrier . . . . .	356	Magnetic Switches and Starters . . . . .	026
MMX-2R and Microwave Radio . . . . .	356	Magnetic Tape . . . . .	579
MOC (Maintenance Operations		Magneto	
Center) . . . . .	234	Coin Collectors . . . . .	510
MOTOROLA		Station Sets . . . . .	510
CM-620 Receiver . . . . .	406	Subscriber Sets . . . . .	510
CM-620A Receiver . . . . .	406	Magneto Sets — Special Usage . . . . .	510
J-41630A . . . . .	404	Main Conduit	
KS-19609 Mobile Radio (MJ) . . . . .	405	Plastic . . . . .	622
KS-19618 Base Transmitter-Receiver		Repair . . . . .	622
(MJ) . . . . .	405	Steel . . . . .	622
KS-19618 Base Receiver (MJ) . . . . .	405	Main Frame	
KS-19618 Base Transmitters		Connectors . . . . .	636
(MJ) . . . . .	405	Marking . . . . .	636
KS-20282 (MK) . . . . .	405	Terminating . . . . .	636
KS-20285 Base Transmitters		Terminations . . . . .	636
(MK) . . . . .	405	Main Repeaters . . . . .	359
KS-20429 Transmitter . . . . .	407	Main Station Repeater Test Set (L4	
KS-20432, L1 Receiver . . . . .	407	Carrier) . . . . .	103
KS-21466 (MJ) . . . . .	405	Main and Auxiliary Repeater Power	
		Supplies . . . . .	359

Main and Terminal Repeaters and Associated Equipment . . . . .	358	Manual Regulators . . . . .	360
Maintaining Pressure During Construction . . . . .	637	Manual and Dial PBX . . . . .	534
Maintenance		Maps and Other Documents - Outside Plant . . . . .	928
Aerial Cable . . . . .	627	Maritime Lincomplex . . . . .	403
Check; Coin Telephone . . . . .	506	Maritime Radio	
Drop Wire . . . . .	462	Coastal Harbor . . . . .	403
Data Transmitter (MDT) . . . . .	190	High Seas . . . . .	403
Equipments . . . . .	818	Overseas . . . . .	403
Methods . . . . .	010	Marker Equipments . . . . .	816
Manuals . . . . .	255	Marker, Connector, and Number Group Equipments . . . . .	819
Operations Center (MOC) . . . . .	234	Markers . . . . .	212
Maintenance Center		Marketing — Information . . . . .	015
3-Type FM Terminals . . . . .	420	Marking Terminals . . . . .	631
L1 and L3 Type Carrier . . . . .	360	Master Frequency Supply; Office . . . . .	354
N, O, and ON Type Carrier . . . . .	361	Mastergroup Branching . . . . .	357
TD-2 Microwave Radio . . . . .	410	Mastergroup Connectors	
TD-3 Microwave Radio . . . . .	420	J68829K (MMX-1 to MMX-1) . . . . .	356
TH-1 Microwave Radio . . . . .	412	J68882AP (MMX-2 to MMX-2) . . . . .	356
TH-3 Microwave Radio . . . . .	411	J68882AW (Between MMX-1 and MMX-2) . . . . .	356
Major Audible Alarm . . . . .	201	J68953AF (Passive) . . . . .	356
Major Material . . . . .	745	Mastergroup Equipment	
Management Education and Training . . . . .	019	MGT . . . . .	356
Management Information Systems (MIS) — Automatic Call Distribution (ACD) and Personal Computer (PC) . . . . .	475	MMGT . . . . .	356
Management Information Systems; ACD-ESS (AEMIS) . . . . .	533	MMX-1 . . . . .	356
Manhole		MMX-2 . . . . .	356
Covers . . . . .	620	Mastergroup Pilot Generator	
Guards and Shields . . . . .	081	J68882AR . . . . .	356
Hardware . . . . .	622	Matching and Error Counting Circuit . . . . .	314
Manholes		Material	
Brick . . . . .	622	Materials	
Concrete — Cast in Place . . . . .	622	Accountability Record & Tracking Systems (MARTS) . . . . .	010
Gases . . . . .	620	Customer Equipment . . . . .	080
Hardened Systems . . . . .	622	Common Usage . . . . .	075
Precast Concrete . . . . .	622	Disposition . . . . .	745
Sealing Conduit Entrances . . . . .	622	Miscellaneous . . . . .	065
Manila Rope and Blocks . . . . .	081	Outside Plant . . . . .	081
Manual Conference Circuit — 4-Wire No. 5 Crossbar Offices With 5C or 5D Switchboard . . . . .	309	Power . . . . .	065, 076
Manual Conference Circuits . . . . .	534	Receipting and Verifying . . . . .	744
Manual Gain Control . . . . .	360	Switching Systems . . . . .	076
Manual Mobile Radio . . . . .	404	Service and Return . . . . .	745
Manual PBX (Other Than 520-Type) . . . . .	473	Matrix Blocks . . . . .	461
Manual PBX Switchboards . . . . .	534	Measurement Plans Management . . . . .	780
		Measurement - Tandem Crossbar . . . . .	220
		Measurements . . . . .	218
		Measurements Corp. Model 59 UHF Frequency Meter . . . . .	104



Measurements Using Hewlett-Packard 623B			
SHF Test Set . . . . .	408	Methods for Estimating Interference	
Measurements and Measuring		Levels . . . . .	873
Techniques . . . . .	880	Metrobus . . . . .	365
Measurements at 6000 Megacycles . . . . .	408	Microfiche; Documents on . . . . .	005
Measurements - 4 ESS . . . . .	234	Microfilm System; Documents on	
Measuring Devices . . . . .	081	16mm . . . . .	006
Measuring Sets— Carrier-Frequency,		Microwave	
Crosstalk, Transmission, . . . . .	103	Antennas . . . . .	402
Mechanical Code Converter . . . . .	574	Carrier Supply . . . . .	412
Mechanical Protection . . . . .	462	Carrier Supply Tests . . . . .	412
Mechanical Telegraph Repeaters . . . . .	312	Radiation; General Safety . . . . .	010
Mechanical— Building Engineering . . . . .	760	Microwave Radio	
Mechanized		Auxiliary Channel; Narrowband . . . . .	408
Analysis Plan . . . . .	660	Common Equipment . . . . .	420
Applications . . . . .	780	Engineering . . . . .	940
Loop Testing (MLT) . . . . .	660	FR/DR . . . . .	421
Results Measurement Plan . . . . .	660	Federal . . . . .	408
Summary Procedure of Transmission		IF Switching . . . . .	371
Performance . . . . .	301	Milliwatt Reference Generator . . . . .	103
Wire Centering— Cross-Section		Milliwatt Distributing Systems . . . . .	103
Program . . . . .	781	Microwave Test Sets; Bays and	
Media Systems and Standards;		Benches . . . . .	104
Graphic . . . . .	006	Motorola . . . . .	408
Mercury Arc Rectifiers . . . . .	874	Overall System Tests . . . . .	422
Message Recording Trunk Trouble Analysis		Power Circuits and Equipment . . . . .	171
(MRTTA) . . . . .	190, 824	RCA . . . . .	408
Message Switching Networks . . . . .	230	REL . . . . .	408
Message Telephone Service . . . . .	975	Single Sideband . . . . .	419
Message Waiting Service . . . . .	473	System— DR6/11-135A and	
Message and Signal Repeater . . . . .	639	135EC . . . . .	421
Metallic Facility Terminal (MFT) . . . . .	332	TD-3D . . . . .	415
Metallic Facility Terminal Data		TD-2 . . . . .	410
Sheets . . . . .	332	TD-3 . . . . .	411
Metallic Shields . . . . .	632	TH-3 . . . . .	413
Metallic Terminal System . . . . .	801	Test Equipment; Single	
Metallic Type— Automatic		Sideband . . . . .	104
Regulation . . . . .	802	TH-1 . . . . .	412
Metallic Type— Manual Regulation . . . . .	802	TJ or TJ/TM-1 . . . . .	409
Metallic and Fiber Digital Carrier		TL-1 . . . . .	409
Systems . . . . .	363	TL-2 and TM-1 . . . . .	409
Meters		TM-2/TM-2A . . . . .	409
Catalog Information . . . . .	084	TN-1 . . . . .	410
Common Usage— Maintenance,		Transmission Systems . . . . .	422
Selection, and Use . . . . .	100	Microwave Test Bays . . . . .	104
Power . . . . .	102	Microwave Test Benches . . . . .	104
Radio . . . . .	104	Microwave Test Sets . . . . .	104
Switching Systems . . . . .	102	Milliwatt Distributing Systems and Test	
Methods for Estimating Inductive		Lines . . . . .	103
Effects . . . . .	873	Milliwatt Reference Generators . . . . .	103
		Milliwatt Reference Set . . . . .	103

Mini-Remote Office Test Line		Motor Vehicles (Continued)	
(Mini-ROTL) . . . . .	190, 218	Information Management System . . . . .	720
Mini-Remote Trunk Test Unit		Safety . . . . .	720
(Mini-RTTU) . . . . .	190, 226	Motor-Alternators . . . . .	155
Minicomputer Equipment . . . . .	801	Motor-Driven Emergency Alternators . . . . .	155
Minor Material . . . . .	745	Motor-Driven Ringing and Coin Control	
Miscellaneous		Generators . . . . .	155
Circuits . . . . .	201	Motor-Generators . . . . .	155
Design Considerations . . . . .	851	Motorola Microwave Radio . . . . .	408
Equipments . . . . .	818	Motors	
Features . . . . .	250	Blower . . . . .	161
PBXs . . . . .	809	Motors and Dynamotors . . . . .	159
Power Supplies . . . . .	167	Motors and Motor Units . . . . .	570
Test Circuit . . . . .	314	Mountings (Station Equipment)	
Terminals . . . . .	582	Apparatus . . . . .	463
Mobile Radio		Dial . . . . .	501
Control Units and Junction Boxes . . . . .	404	Key . . . . .	512
Engineering . . . . .	940	Mountings For Customer-Owned	
Manual . . . . .	404	Enclosures . . . . .	501
Private . . . . .	405	Multi-Frequency Motor-Generator	
Station . . . . .	400	Sets . . . . .	155
Selectors . . . . .	404	Multichannel Subscriber Carrier . . . . .	640
Mobile Simulator . . . . .	405	Multifrequency Signaling . . . . .	179
Mobile Station Mobile Telephone Service		Multifunction Operations Systems	
Antennas . . . . .	402	(MFOS) . . . . .	190
Mobile Stations . . . . .	404	Multimagnet Nontyping Reperforator . . . . .	573
Mobile Telephone Switching Office		Multimagnet Nontyping Reperforator	
(MTSO) — 1A ESS Switch . . . . .	231	Base . . . . .	573
Mobile and Maritime Radio . . . . .	400	Multimagnet Nontyping Reperforator	
Models 3 and 3A 200 Series Data		Set . . . . .	573
Sets . . . . .	592	Multimaster Group Translator	
Modems (Also see Data Sets) . . . . .	555, 999	(MMGT) . . . . .	356
Modification Kits . . . . .	501	Multimastergroup Trunk	
Modified PBX for Handicapped . . . . .	536	Arrangements . . . . .	356
Modular Distributing Frames . . . . .	201	Multiple Drop Wire . . . . .	462
Modular Station Sets (Common		Multiple Line Wire . . . . .	106
Battery) . . . . .	503	Multiple Sender for Teletypewriter Test	
Moistureproofing of Central Office		Signals . . . . .	103
Equipment . . . . .	800	Multiple Transmitter Units and Bases . . . . .	570
Monitoring Arrangements . . . . .	320	Multiple Wire Distributor . . . . .	574
Monitoring Positions . . . . .	318	Multiple Wire Transmission Data . . . . .	304
Monitoring, Metering, and Control . . . . .	880	Multiple Wire — C Rural, Maintenance,	
Mop-Up Equalization Bay . . . . .	412	Placing, and Terminals . . . . .	624
Motor Generators . . . . .	155	Multiple Wire — Placing . . . . .	624
Motor Vehicles		Multiplex Facilities . . . . .	103
Administrative Information . . . . .	720	Multiplex Terminal Equipment; Analog	
Body and Chassis . . . . .	720	Multiplexer	
Construction Equipment . . . . .	720	Digital . . . . .	365
Engines . . . . .	720	LM23 . . . . .	363
Fleet Maintenance . . . . .	720	M10 . . . . .	365

Multiplex Terminal Equipment; Analog  
 Multiplexer (Continued)  
     M13 . . . . . 365  
     M34 . . . . . 365  
 Multiplex Terminals . . . . . 855  
 Multiplexer - Performance  
     Requirements . . . . . 801  
 Multiplexer - Specifications . . . . . 801  
 Multiplexers and Networks . . . . . 363  
 Multiply Drop and Rural Wire . . . . . 462  
 Multistation Private Line Systems . . . . . 310  
 Multistation Systems . . . . . 310

**N**

N Line Test Sets— Description and  
 Operation . . . . . 103  
 N and ON Carriers . . . . . 855  
 N and ON Repeaters— Repeated High-  
 Frequency Lines . . . . . 362  
 N, O, and ON Carrier System Test  
 Equipment and Test Sets . . . . . 103  
 N, O, and ON Type Carrier Systems . . . . . 362  
 N-Type and 53-Type Terminals . . . . . 631  
 N1 Carrier Telephone System— Terminal  
 Equipment . . . . . 362  
 N1 Carrier - Specifications . . . . . 801  
 N2 Carrier Telephone System . . . . . 362  
 N2 Carrier - Specifications . . . . . 801  
 N2 Switching Sets . . . . . 103  
 N2 Terminal Test Stands . . . . . 103  
 N2WM1 Wideband Modem . . . . . 362  
 N3 Carrier Telephone System  
     Alarm Unit . . . . . 362  
     Carrier-Frequency Supply . . . . . 362  
     Channel Compandor Unit . . . . . 362  
     Channel Modem Unit . . . . . 362  
     Channel Group Modem Unit . . . . . 362  
     Double-Channel Regulator Unit . . . . . 362  
     Frequency Correction Unit . . . . . 362  
     Group Transmitter and Receiver  
     Units . . . . . 362  
     Line Terminating Unit . . . . . 362  
     Overall System . . . . . 362  
     Power Supply Unit . . . . . 362  
     Secondary Carrier Distribution  
     Specifications . . . . . 801  
     Terminal Equipment— General . . . . . 362  
     VF Amplifier Unit . . . . . 362  
 N3 Switching Set . . . . . 103

N3 Terminal Test Stand . . . . . 103  
 N3 and N4 Carrier Telephone System—  
     Terminal Equipment . . . . . 362  
 N3-L Junction— Alarm Units . . . . . 362  
 N3-L Junction— Carrier-Enhancement and  
     Reduction Units . . . . . 362  
 N3-L Junction— Channel Group 2 Loop  
     Unit . . . . . 362  
 N3-L Junction— J99331AF Carrier  
     Distribution Amplifier . . . . . 362  
 N3-L Junction— J99331BC Low-Level  
     Regulator . . . . . 362  
 N3-L Junction— Modulators . . . . . 362  
 N3-L Junction— Overall System . . . . . 362  
 N4 Carrier Telephone System— Carrier  
     Supply . . . . . 362  
 N4 Carrier Telephone System— Overall  
     System . . . . . 362  
 N4 Carrier Telephone System— Terminal  
     Equipment . . . . . 362  
 NAC (Network Administration  
     Center) . . . . . 190  
 NACS (Network Access Control  
     System) . . . . . 255  
 NCP (Network Control Point) . . . . . 256  
 NCP (Network Control Point) End User  
     Documents . . . . . 256  
 NDR (Network Distribution Radio) . . . . . 421  
 NEBS (New Equipment-Building  
     System) . . . . . 800  
 NETPARTNER™ . . . . . 255  
 NETSTAR . . . . . 190  
 NMC (Network Management Center) . . . . . 234  
 NMMP (Network Maintenance Management  
     Plan) . . . . . 780  
 NMS (Network Management  
     Systems) . . . . . 190, 255  
 NO. 3A ACD . . . . . 476  
 NO. 4A CD . . . . . 476  
 NOG (Network Operations  
     Group) . . . . . 010, 015  
 NORAD Alerting System . . . . . 800  
 NORAD/ADC Network . . . . . 309  
 NORGEN— EADAS (Network Operations  
     Report Generator— Engineering and  
     Administrative Data Acquisition  
     System) . . . . . 190  
 NOTIS (Network Operations Trouble  
     Information System) . . . . . 190  
 NPC (National Product  
     Commitment) . . . . . 010

NSC (Network Service Center) . . . . .	190	Network Management Manuals . . . . .	255
NSCX (Network Services Complex) . . . . .	256	Network Operations . . . . .	191
NSCs for BOCs (Bell Operating Companies) . . . . .	190	Group (NOG) . . . . .	010, 015
NTMS (Network Traffic Management System) . . . . .	190	Methods . . . . .	780
NTS (Network Technical Support) . . . . .	010	Systems . . . . .	190
Narrowband Data Systems . . . . .	880	Trouble Information System (NOTIS) . . . . .	190
Narrowband Microwave Radio Auxiliary Channel . . . . .	408	Network Plug-In Administrative Methods . . . . .	790
National Product Commitment (NPC) . . . . .	010	Network Service Center (NSC) . . . . .	190
Nationwide Numbering Plan and Dialing Procedures . . . . .	781	Network Services Complex (NSCX) . . . . .	256
Negative Impedance Repeaters . . . . .	852	Network Services Complex (NSCX) — United Kingdom . . . . .	256
Negative Impedance Repeaters and Impedance Compensators . . . . .	332	Network Services — Common . . . . .	780
Netminder . . . . .	190	Network Services — Customer Services . . . . .	780
Network Access Control System (NACS) . . . . .	255	Network Structure Planning . . . . .	781
Network Administration		Network Switched Services (Administration and Maintenance) Methods . . . . .	216
2 ESS Switch . . . . .	232	Network Switching Engineering	
2-Wire 1 and 1A ESS Switches . . . . .	231	2 ESS Switch . . . . .	232
4 ESS . . . . .	234	2-Wire 1 and 1A ESS Switches . . . . .	231
CCSS . . . . .	256	Announcement Facilities . . . . .	780
Center (NAC) . . . . .	190, 780	General Engineering Considerations . . . . .	780
Common . . . . .	780	Trunk Data . . . . .	780
Circuit Provision Center . . . . .	780	Network Systems and Services	
Routing . . . . .	780	Marketing - Training - Salesware . . . . .	015
TIRKS (Trunks Integrated Record Keeping System) . . . . .	780	Management . . . . .	780
Trunk . . . . .	780	Products . . . . .	015
Network Communications Services		Sales Operations Procedures . . . . .	010
Methods . . . . .	010	Network Technical Support (NTS) Plan . . . . .	010
Network Control Point (NCP) . . . . .	256, 825	Network Traffic Management System (NTMS) . . . . .	190
Network Control Services . . . . .	533	Network Transmission Design . . . . .	860
Network Data Collection Center . . . . .	780	Network Trunk Transmission Measurement Plan . . . . .	301
Network Design . . . . .	216	Networks	
Network Design - Tandem Crossbar . . . . .	220	Precision Balancing . . . . .	332
Network Equipment . . . . .	801	Switched Services . . . . .	309
Network Equipment Building System . . . . .	801, 999	Test . . . . .	103
Network Harms and Cable Restoration . . . . .	660	Terminating . . . . .	103
Network Interface Units . . . . .	462	New Equipment-Building System (NEBS) . . . . .	800
Network Maintenance — 2-Wire 1 and 1A ESS Switches . . . . .	231	Nickel-Cadmium Batteries . . . . .	157
Network Maintenance - 4 ESS . . . . .	234	Nightwatch Project . . . . .	406
Network Management Center (NMC) . . . . .	234	No Carrier Alarm Sets . . . . .	312
Network Management System (NMS) . . . . .	190, 255	No. 1 Crossbar . . . . .	216
		No. 1 ESS™-ADF — Half-Duplex and Full Duplex . . . . .	580

No. 1 STP . . . . .	256	No. 2A Line Concentrators . . . . .	067
No. 1 Toll Offices and Toll Switchboards . . . . .	211	No. 2A STP (Signal Transfer Point) . . . . .	256
No. 1 Trunk Concentrator . . . . .	201	No. 2B Automatic Call Distributing System . . . . .	476
No. 1 and 1B Announcement Systems . . . . .	201	No. 2B Line Concentrators . . . . .	067
No. 1, 2, 2A and 4 Order Turrets . . . . .	475	No. 3 Crossbar . . . . .	218
No. 1, 3, 5, and 6 Toll Offices/Switchboards . . . . .	211	No. 3 Order Turret . . . . .	475
No. 1/1B Traffic Service Position System . . . . .	660	No. 3 Toll Offices and Toll Switchboards . . . . .	211
No. 100A Traffic Service Position . . . . .	220	No. 3 and 5A Crossbar . . . . .	819
No. 10A RSS (No. 10A Remote Switching System) . . . . .	255, 363	No. 3-Type Noise Measuring Sets . . . . .	103
No. 11A Announcement Systems . . . . .	201	No. 300 Series Switching Systems (Customer Equipment) . . . . .	480, 981
No. 12 Service Observing Desks . . . . .	953	No. 3A Announcement Systems . . . . .	201
No. 12A Announcement Systems . . . . .	201	No. 4 Crossbar . . . . .	212
No. 13A, 13A+, and 14A Announcement Systems . . . . .	201	No. 4 Crossbar Toll Switching System . . . . .	853
No. 14 (Local Test Desks) . . . . .	662	No. 4 Type Crossbar Offices . . . . .	660
No. 15— Picturesphone (Local Test Desk) . . . . .	662	No. 400 Switching System (Customer Equipment) . . . . .	518, 958
No. 16 (Local Test Desk) . . . . .	662	No. 4A and 4M Toll Switching . . . . .	212
No. 17B Testboard— General . . . . .	664	No. 4A, 6A, and 9A Announcement Systems . . . . .	201
No. 17C Testboard . . . . .	664	No. 5 Crossbar Automatic Call Distributor System . . . . .	660
No. 18B Testboard . . . . .	664	No. 5 Crossbar Centrex CO (Attendant Equipment Only) . . . . .	540
No. 1A Line Concentrators . . . . .	067	No. 5 Crossbar Offices . . . . .	660
No. 1A Processor . . . . .	820	No. 5 Crossbar— COERs (Central Office Equipment Reports) . . . . .	756
No. 1A; Stored Program Control . . . . .	254	No. 5 Toll Switchboards . . . . .	211
No. 1S ACD (Automatic Call Distributing System) . . . . .	475	No. 5 and No. 5A Crossbar . . . . .	218, 958
No. 2 Network Traffic Management Operation System . . . . .	190	No. 505B, 505C, 506A, and 506B PBX . . . . .	536
No. 2 SCCS (Switching Control Center System)— Applications . . . . .	190	No. 507A and 507B PBX . . . . .	536
No. 2 STP . . . . .	256	No. 508A PBX For Dispatching Service— See Division 473 . . . . .	536
No. 2 Switching Control Center System (No. 2 SCCS) . . . . .	190	No. 520-Type PBX For Emergency Reporting— See Division 473 . . . . .	536
No. 2 and No. 9B Telegraph Serviceboards and No. 9 Telegraph Testboard . . . . .	666	No. 550 Series PBX— Sections Applying To More Than One Type . . . . .	536
No. 22A Testboard— Manual Access Arrangement . . . . .	666	No. 550-Type PBX . . . . .	536
No. 22A Testboard— Switched Maintenance Access System No. 1A . . . . .	666	No. 551A PBX . . . . .	536
No. 23 ACD (Automatic Call Distributing) System . . . . .	660	No. 552-Type PBX . . . . .	536
No. 24A and No. 24B Testboards . . . . .	666	No. 555 PBX . . . . .	536
No. 2A Automatic Call Distributing System . . . . .	476	No. 556A PBX . . . . .	536
		No. 5A Announcement Systems . . . . .	201
		No. 6 Toll Switchboards . . . . .	211
		No. 605A PBX . . . . .	538
		No. 606 and 607-Type PBX— Sections Applying to More Than One Type . . . . .	538

No. 606-Type PBX . . . . .	538
No. 607-Type PBX . . . . .	538
No. 608A, 608B and 608D Type PBX . . . . .	538
No. 6A Announcement Systems . . . . .	201
No. 6A Order Turret . . . . .	475
No. 6A Teletypewriter Switchboards . . . . .	211
No. 750A PBX . . . . .	548
No. 755A PBX . . . . .	550
No. 756A PBX . . . . .	551
No. 757A PBX . . . . .	551
No. 758A, 758B, AND 758A/B PBX . . . . .	551
No. 758C PBX . . . . .	551
No. 761 AND 770 PBX . . . . .	551
No. 800A PBX . . . . .	553
No. 8A and 9A Announcement Systems . . . . .	201
No.12 and No.13 Local Test Desks . . . . .	662
No.2STP . . . . .	256
Noise Component of Transmission Performance . . . . .	301
Noise Engineering — Noise Measurements and Analysis — General Considerations . . . . .	870
Noise Generator, J99382G . . . . .	104
Noise Generators . . . . .	103
Noise Influence Coupler . . . . .	103
Noise Measurements . . . . .	362
Noise Measurements — Central Office, Impulse, Message Circuit, PBX . . . . .	331
Noise Measurements — Requirements and Procedures . . . . .	331
Noise Measuring Equipment — Specifications . . . . .	801
Noise Measuring Sets and Systems . . . . .	103
Noise Reducers - A1 and A2 . . . . .	404
Noise Weighting Set (5A) . . . . .	103
Noise and Crosstalk Tests . . . . .	320
Noise, Crosstalk and Modulation . . . . .	355
Noise; Inductive . . . . .	500
Noise - Microwave Radio Engineering . . . . .	940
Non-AT&T Digital Carrier Systems . . . . .	365
Non-Microwave Test Sets . . . . .	104
Non-Perforated Parabolic Antenna . . . . .	402
Non-Resonant Frequency Selective Devices . . . . .	874
Non-Western Electric Microwave Radio . . . . .	408
Noncoded Connectors . . . . .	032

Noncoded Gauges — Electrical Indicating Instruments and Meters — Catalogue Information . . . . .	084
Noncoded Jacks . . . . .	032
Noncoded Plugs . . . . .	032
Noncoded Sockets . . . . .	032
Nonconsolidated Equipment Arrangements . . . . .	851
Nonmicrowave Test Set . . . . .	104
Nonrepeated Links — Equalization and Gain-Frequency Tests . . . . .	357
Nonstandard-Limited Availability (NS-LA) Cables . . . . .	626
Nonswitched Special Services Systems . . . . .	310, 851
Nontyping Reperforator . . . . .	574
North Electric Company CX-Type Community Dial Offices . . . . .	225
Notes on Common Control Switched Arrangement (CCSA) . . . . .	781
Notes on Electronic Tandem Networks (ETN) . . . . .	781
Number Cards and Strips — Station Set Components . . . . .	501
Number Group Equipments . . . . .	819
Numbering Machine . . . . .	080
Numbering and Lettering . . . . .	069

**O**

O, ON and ON/K Carrier - Specifications . . . . .	801
OATAS (Office Automation and Telecommunications - AT&T Standards) . . . . .	015
OCM (Outbound Call Management) . . . . .	585
OMNIPOINT Network Channel Terminating Equipment . . . . .	332
ON/K Units . . . . .	361
ON/Radio System — Radio Multiplex Points . . . . .	362
OOCAT (Optical Order Channel and Alarm Telemetry) System . . . . .	365
ORBCAL Program (Satellite Systems) . . . . .	940
OSHA (Occupational Safety and Health Act) . . . . .	010
OSPS (Operator Services Position System) . . . . .	235, 250, 505
OSPS AOS (Automated Operator Services) . . . . .	250

OSPS Positions, Consoles, Desks, and Miscellaneous Equipments . . . . .	250	Open Wire (Continued)	
OSPS Training Documents . . . . .	250	Repair and Restoration . . . . .	623
OSTC (Operations System Technical Center) . . . . .	190	Removal . . . . .	623
OTF Offices . . . . .	218	Side Leads . . . . .	623
OTTS (Outgoing Trunk Testing System) . . . . .	103	Stringing—Precautions . . . . .	623
Occupational Safety and Health Act (OSHA) . . . . .	010	Stringing Wire . . . . .	623
Office Administrative Responsibilities and Methods . . . . .	660	Stringing Sags . . . . .	623
Office Automation and Telecommunications - AT&T Standard (OATAS) . . . . .	015	Tensioning . . . . .	623
Office Master Frequency Supply . . . . .	354	Testing and Trouble Location Methods . . . . .	330
Office Test Line; Remote (ROTL)		Tying . . . . .	623
1 and 1A ESS Switches . . . . .	231	Transposing, General . . . . .	623
2 ESS Switch . . . . .	232	Transmission Data . . . . .	304
3 ESS Switch . . . . .	233	Operating Instruction Charts—Wall Charts . . . . .	155
4 ESS Switch . . . . .	234	Operating Procedures—IMS . . . . .	790
5 ESS Switch . . . . .	235	Operating Training Equipment . . . . .	201
Crossbar Tandem . . . . .	220	Operation Methods; Network . . . . .	780
No. 1 Crossbar . . . . .	216	Operation and Maintenance—DR4-20- 90/TD90 . . . . .	422
No. 5 Crossbar . . . . .	218	Operations Center and Support Systems . . . . .	190
Step-by-Step . . . . .	226	Operations Department—Classified Hours and Materials Reports . . . . .	010
Office Wiring and Equipment Losses—4- Wire Switching Offices . . . . .	309	Operations Support Systems . . . . .	190
Offices		ACORN Network Control System . . . . .	190
Community Dial . . . . .	225, 226, 955	Alarm Centers . . . . .	190
Crossbar Tandem . . . . .	220	Automatic Trouble Analysis (ATA) . . . . .	190
No. 1, 3, 5, and 6 Toll . . . . .	211	Centralized Automatic Reporting on Trunks (CAROT) . . . . .	103, 190, 824, 865
No. 1 Crossbar . . . . .	216, 957	Central Office Maintenance Management System (COMMS) . . . . .	190
No. 3 Crossbar . . . . .	218	Computer System for Main Frame Operations (COSMOS) . . . . .	190
No. 5 and 5A Crossbar . . . . .	218, 958	Centralized Message Detail Recorder (CMDR) . . . . .	190
Step-by-Step . . . . .	225, 226, 227, 955	Circuit Maintenance System (CMS) . . . . .	190, 234, 824, 865
Oils . . . . .	065	Engineering and Administrative Data Acquisition System/Network . . . . .	190
Open Wire . . . . .	623	Engineering and Administrative Data Acquisition System (EADAS) . . . . .	190, 822
Bridling . . . . .	623	Engineering and Administrative Data Acquisition System/Network . . . . .	190
Construction Tools . . . . .	081	Frame Control Center—Frame Work Station . . . . .	190
Crosstalk—Far End Type Unbalance Times Frequency—Real and Imaginary Components . . . . .	304	Facility Maintenance and Administration Center (FMAC) . . . . .	190
Dead-Ending . . . . .	623		
Impedance, Attenuation and Phase . . . . .	304		
Inspection . . . . .	623		
Long Spans . . . . .	623		
Losses at 1000 Cycles . . . . .	304		
Losses at Carrier Frequencies . . . . .	304		
R Type Transpositions . . . . .	623		

Operations Support Systems (Continued)

- General Descriptive Information . . . . . 951
- Integrated Facilities and Forced Administration System (IFFAS) . . . . . 190
- Local Storage Unit (LSU) . . . . . 190
- Maintenance Data Transmitter (MDT) . . . . . 190
- Network Administration Center (NAC) . . . . . 190
- Network Service Center (NSC) . . . . . 190
- Programmable Scanner/Distributor . . . . . 190
- Remote Memory Administration Position (RMAP) . . . . . 190
- Regional Maintenance Management System (RMMS) . . . . . 190, 824
- Remote Trunk Test Unit/Central Trunk Test Unit (RTTU/CTTU) . . . . . 190, 824, 865
- Remote Memory Administration System (RMAS) . . . . . 190, 824
- Surveillance and Control of Transmission Systems (SCOTS) . . . . . 190, 865
- Small Office Network Data System (SONDS) . . . . . 190
- Switch Control Center System (SCCS) . . . . . 190
- Switch Control Centers (SCC) . . . . . 190
- Software Change Administration and Notification System (SCANS) . . . . . 190
- T Carrier Administration System (TCAS) . . . . . 190, 865
- Telecommunications Alarm Surveillance and Control (TASC) System . . . . . 190, 824, 865
- Trouble Report Evaluation and Analysis Toll (TREAT) System . . . . . 190, 660, 824
- Operations System Technical Center (OSTC) . . . . . 190
- Operator Chairs . . . . . 065
- Operator Console — 4500 Keyboards — 45K301 Type . . . . . 582
- Operator Console — KD and RO . . . . . 582
- Operator Services Position System (OSPS) . . . . . 235, 505
- Operator Services Transmission . . . . . 852
- Operator Training Equipment and Common Switchboard Sections . . . . . 201
- Operator's Guides . . . . . 250
- Optical Order Channel and Alarm Telemetry (OOCAT) System . . . . . 365

Order Codes for Functional Groups of

- Drawings . . . . . 235
- Order Turrets (Customer Equipment) . . . . . 475
- Order Wire
  - Circuits . . . . . 201
  - Facilities . . . . . 340
  - Radio . . . . . 403, 409
  - T1 Carrier . . . . . 365
- Orientation Testing Indicator . . . . . 103
- Originating Equipment . . . . . 216
- Oscillators
  - Radio . . . . . 104
- Oscillographs . . . . . 100
- Oscilloscopes . . . . . 100, 103, 104
- Other Circuit Layout Record Cards . . . . . 682
- Out-of-Service Line-Up Procedures — Method A or B . . . . . 362
- Outbound Call Management (OCM) . . . . . 585
- Outdoor Waveguide . . . . . 402
- Outgoing Trunks Testing System (OTTS) . . . . . 103
- Outside Cross-Connecting Terminals . . . . . 631
- Outside Distribution Terminals . . . . . 631
- Outside Plant
  - Aerial Railroad Crossings . . . . . 620
  - Brush Spraying . . . . . 620
  - Construction Administration . . . . . 620
  - Carrier Apparatus . . . . . 640
  - Concentrators . . . . . 639
  - Clearances . . . . . 620
  - Electrolysis . . . . . 635
  - General Descriptive Information . . . . . 620
  - Precautions . . . . . 620
  - Tree Pruning . . . . . 620
- Outside Plant Engineering
  - Aerial Wire Considerations . . . . . 919
  - Applied Protection . . . . . 918
  - Aerial Cable . . . . . 917, 919
  - Analysis Plans . . . . . 902
  - Building Cable . . . . . 917
  - Buried Cable . . . . . 917
  - Buried Plant Toll Cable Routes . . . . . 920
  - Carrier Planning (Loop Planning) . . . . . 901
  - Cable Pressurization . . . . . 901
  - Cost Studies . . . . . 901
  - Cable Design . . . . . 920
  - Cable Upkeep . . . . . 930
  - Connect Through Plan . . . . . 915
  - Customer Pair Gain Devices . . . . . 915



Outside Plant Engineering (Continued)		Over-the-Horizon Radio Systems (2-	
Dedicated Outside Plant . . . . .	915	GHZ) . . . . .	403
Distribution Facilities . . . . .	917	Overall AUTOPLEX® System 100	
Facility Planning . . . . .	919	Descriptions . . . . .	231
Feeder Cable Relief . . . . .	901	Overall Construction . . . . .	900
Facility Support . . . . .	901	Overall Lineup of Video Facilities . . . . .	318
Feeder Facilities . . . . .	917	Overall Noise and Modulation Tests . . . . .	356
Facility Design . . . . .	620	Overall System — Description — MMX-	
Joint Agreements With Power		2C . . . . .	356
Companies . . . . .	937	Overall System — Description — MMX-	
Long Route Design . . . . .	902	2R . . . . .	356
Lightguide Cable . . . . .	920	Overall Testing of Signaling Layouts . . . . .	333
Manholes . . . . .	919	Overfloor Ducts . . . . .	461
Management . . . . .	928	Overseas Radio . . . . .	403
Maps and Other Documents . . . . .	928		
Multiplexer . . . . .	902	<b>P</b>	
Outside Plant Location Records —		P-8719-D IF Strip Alignment . . . . .	408
Cable, Cable Pressure . . . . .	928	P-Type Carrier System . . . . .	970
Pole Lines . . . . .	919	P1 Carrier Telephone System . . . . .	363
Poles, and Trunk . . . . .	928	PARTNER® Communication System . . . . .	518
Route Planning and Study . . . . .	901	PBX Access Lines — AUTOVON (Automatic	
Rehabilitation (Distribution		Voice Network) . . . . .	480
Facilities) . . . . .	917	PBX Conference Circuits . . . . .	851
Resistance Design . . . . .	902	PBX Equipment . . . . .	999
Serving Area Concept . . . . .	915	PBX Equipment Space	
Special Outside Plant Systems —		Requirements . . . . .	809
Structures . . . . .	919	PBX Lines and Subscriber Loop	
Subscriber . . . . .	902	Testing . . . . .	331
Special Outside Plant Systems —		PBX Miscellaneous Equipments . . . . .	809
Closed Circuit Television (CCTV), Cable		PBX Power Plants and Power	
Television, Cable Video		Supplies . . . . .	167
Subscriber Loop Checking . . . . .	929	PBX Switchboards; Manual . . . . .	534
System, Conduit, and Toll Aerial		PBX Test Equipment . . . . .	105
Wire . . . . .	928	PBX and Station Test Equipment . . . . .	105
System Engineering Program . . . . .	901	PBXs	
Trunk Facilities . . . . .	920	100, 400, and 600 PBX . . . . .	554
Transmission, Rural, and U-1		2000 and Custom PBX . . . . .	554
Carrier . . . . .	915	500 Series . . . . .	534, 536
Transmission Improvement		600 Series . . . . .	534, 538
Devices . . . . .	902	700 Series . . . . .	534, 540 through 551
Trunk Studies . . . . .	901	800 Series . . . . .	534, 553
Underground Conduit . . . . .	919	Common Systems . . . . .	555
Wire . . . . .	917	Customer Switching and Networking	
Wire and Cable Spans . . . . .	919	Systems . . . . .	103, 365
Work Prints — Cable Cable		DIMENSION PBX . . . . .	555
Pressurization, Carrier . . . . .	929	General Descriptive Information . . . . .	981
Outside Plant Location Records . . . . .	928	Information Systems Network	
Over-All Line-Up of Supergroup, Group, and		(ISN) . . . . .	555
Channel Group Layouts . . . . .	358	PRELUDE PBX . . . . .	554
Over-All System Tests — Terminal to			
Terminal . . . . .	359		

PBXs (Continued)		Packaging and Handling — Disconnected	
Premises Distribution System . . . . .	555	Apparatus . . . . .	500
System 25, 75, and 85 . . . . .	555	Packaging and Handling — Disconnected	
PBZX Conference Circuits . . . . .	851	Apparatus — Customer	
PC Image Director . . . . .	254	Equipment . . . . .	500
PC/PBX (Personal Computer/PBX) . . . . .	555	Packaging and Printing Specifications —	
PC6300 . . . . .	999	General Business Systems . . . . .	000
PDE (Portable Development		Packet Switching Systems . . . . .	255
Equipment) . . . . .	255	Pads	
PDT-2A (Pollable Data Terminal No. 2A) and		Build-Out . . . . .	103, 365
SONDS (Small Office Network Data		Span . . . . .	362
System) . . . . .	190	Paging Systems . . . . .	518
PEARL Line Adjustments . . . . .	359	Pair Gain Systems . . . . .	363
PFE (Power Feed Equipment) . . . . .	364	Pair Gain Systems - Outside Plant	
PFS (Primary Frequency Supplies) . . . . .	354	Engineering . . . . .	915
PFS-2A . . . . .	354	Pair Measuring Set . . . . .	103
PFS-2B . . . . .	354	Paper Handling Equipment . . . . .	592
PIC Cable Splicing . . . . .	632	Paperpac . . . . .	999
PICS (Plug-In Inventory Control		Papertapes . . . . .	582
System) . . . . .	010	Parabolic Antenna Radome . . . . .	402
PICS-BIS/Trunks . . . . .	756	Parabolic Antennas . . . . .	402
PICS/2 — Evolution of PICS and System		Parity Check Circuit . . . . .	314
Orientation Manual . . . . .	756	Parity Failure Detector . . . . .	578
PICS/2 — Plug-In Movement		Partner Mail™ . . . . .	585
Instructors' Guide . . . . .	756	Passive Radio Reflectors . . . . .	402
Instructors' Answer Book . . . . .	756	Passive Reflector . . . . .	402
Position Practice . . . . .	756	Patch Cord Test Set . . . . .	103
Students' Workbook . . . . .	756	Patching and Monitoring Equipment . . . . .	410
PICS/CPE (PICS/Customer Premise		Perforated Parabolic Antenna . . . . .	402
Equipment) . . . . .	756	Perforator-Transmitter Base . . . . .	573
PICS/DCPR (Plug-In Inventory Control		Perforators . . . . .	034
System/Detailed Continuing Property		Performance Requirements . . . . .	800
Record) . . . . .	756	Performance Requirements Transmission	
Engineering Documents . . . . .	790	and Noise Measuring Equipment . . . . .	801
Forms Guide . . . . .	756	Peripheral Equipment . . . . .	234
Slide/Tape Orientation . . . . .	756	Peripheral Equipment Maintenance - 4	
PIMS (Product Engineering Control Center		ESS . . . . .	234
Information Management System) . . . . .	010	Personal Radio Services . . . . .	400
PINNACLE™ . . . . .	475	Personnel Systems Management . . . . .	780
PIP - (Product Information Practices) . . . . .	000	Photo Processors . . . . .	030
PMAS (Product Realization Process) . . . . .	193	Picture Monitor . . . . .	103
POC (Program Operating Center) . . . . .	857	Picturephone	
PRELUDE . . . . .	554	850A PBX . . . . .	553
PRO (Performance Reporting Option)		Baseband Video Transmission . . . . .	340
500 . . . . .	554	Cable Equalizers . . . . .	340
PRP (Product Realization Process) . . . . .	000	CODEC . . . . .	365
PS101 Power Supply . . . . .	582	Equalizers . . . . .	640
PSS (Packet Switching System) . . . . .	255	Equipment . . . . .	801
Packaged Communication Systems (4A, 7A,		Key Telephone System . . . . .	518
14A, 21A) . . . . .	518	Meeting Service . . . . .	481

Picturephone (Continued)			
No. 15 Local Test Desk . . . . .	662	Plastic-Insulated Cable . . . . .	626
Order-Wire Facilities . . . . .	340	Plates . . . . .	074, 633
Offices . . . . .	341	Platforms . . . . .	081
Service . . . . .	103, 662	Plug-In Inventory Control System (PICS) . . . . .	010
Service Test Sets . . . . .	103	Plugs	
Video Distribution Amplifier . . . . .	340	Cleaning and Polishing . . . . .	069
Video Telephone Stations . . . . .	518	Station . . . . .	461
Pilot Alarm Units . . . . .	360	Point-to-Point Data . . . . .	780
Pilot Combining Circuit at Offices with PIL		Point-to-Point Microwave Station . . . . .	400
TST Jack . . . . .	356	Point-to-Point Private Line Telephone	
Pilot Combining Circuits . . . . .	356	Service . . . . .	851
Pilot Distributing Circuits . . . . .	356	Point-to-Point Radio; Emergency . . . . .	403
Pilot Filter Set . . . . .	103	Polarity Guards . . . . .	501
Pilot Frequency Measuring Set . . . . .	103	Pole Changers . . . . .	163
Pilot Generator Circuits . . . . .	356	Pole Climbing . . . . .	620
Pilot Hit Detector (L4 Carrier) . . . . .	103	Pole Derricks . . . . .	649
Pilot Indicator . . . . .	103	Pole Line Inspection . . . . .	621
Pilot Measurements . . . . .	355	Pole Line Maintenance . . . . .	930
Pilot Supply . . . . .	356	Pole Lines . . . . .	919
104.08 KHz . . . . .	356	Pole Lines— Crossarms and Brackets, Guys, and Poles . . . . .	621
64 KHz . . . . .	356	Pole Maintenance . . . . .	621
92 KHz . . . . .	356	Pole Mounted Power Plants— P1	
Detector . . . . .	371	Carrier . . . . .	167
Pilot Wire Regulators . . . . .	332	Pole Steps . . . . .	081
Pipe Pushers and Electrified		Pole Strand and Tree Attachments . . . . .	462
Vehicles . . . . .	649	Poles . . . . .	621
Pipe Pushing Equipment . . . . .	649	Poles— Erecting . . . . .	621
Pipe Systems . . . . .	637	Poles— Removal . . . . .	621
Placement . . . . .	462	Pollable Data Terminal No. 2A (PDT-2A) and SONDS (Small Office Network Data System) . . . . .	190
Placing . . . . .	462	Pollable Data Terminal No. 2A (PDT-2A) . . . . .	190, 218
Placing Anchors . . . . .	621	Portable Development Equipment (PDE) . . . . .	255
Placing Cable-In Rings . . . . .	627	Portable Engines . . . . .	649
Placing Guys . . . . .	621	Portable Generators . . . . .	649
Placing Outside Plant . . . . .	635	Portable Microwave Repeater . . . . .	420
Placing Submarine Cable . . . . .	630	Portable Oscillator and Selective Analyzer . . . . .	103
Placing Underground Cable . . . . .	628	Portable Pilot/Noise Monitor (1A- RDS) . . . . .	103
Placing— Aerial Cable . . . . .	627	Portable Pumps and Saws . . . . .	649
Planning . . . . .	235	Position Subsystem No. 2 Feature— 100C Traffic Service Position Section and Associated Equipment . . . . .	250
Planning and Operations Common to		Post-Divestiture Program Audio	
Business Services . . . . .	788	Services . . . . .	320
Plant Assignment			
Layout Record Cards . . . . .	682		
Methods and Procedures . . . . .	680		
Plant Engineering Administration . . . . .	936		
Plant Field Station Administration . . . . .	500		
Plant Utilization . . . . .	936		
Plant and Traffic Registers . . . . .	212		
Plastic Joints . . . . .	633		
Plastic Rope . . . . .	081		

Potentiometers . . . . .	028	Precautions (Continued)	
Power Circuits and Equipment . . . . .	171	Safety . . . . .	010
Power Distributing Equipment . . . . .	802	Submarine Cable . . . . .	630
Power Driven Tools . . . . .	649	Precise Busy Tone Supply . . . . .	155
Power Engineering . . . . .	790	Precision Balancing Network . . . . .	332
Power Equipment Inspections -		Precutover Trunk Testing . . . . .	234
PBX . . . . .	534	Predictor . . . . .	660
Power Factor Correction Capacitors . . . . .	874	Preempt Tone Generator . . . . .	155
Power Failure; Commercial — Emergency		Preemption Tone Detector (AUTOVON) — Customer-	
Power Plant Tests and Logs . . . . .	155	Provided PBX or	
Power Failure — Power Plant Tests and		Station . . . . .	480
Logs . . . . .	155	Prelashing Cable — Aerial Cable . . . . .	627
Power Feed Equipment (PFE) . . . . .	364	Premises Based Networks . . . . .	309
Power Inverter . . . . .	161	Premises Distribution System . . . . .	555
Power Lifts . . . . .	649	Preparation and Completion Tests . . . . .	330
Power Line-Up . . . . .	358	Preparation of Teletypewriter Apparatus for	
Power Meters . . . . .	103	Installation . . . . .	570
Power Plant Data . . . . .	167	Pressed and Punched Joints . . . . .	632
Power Plant Materials . . . . .	065	Pressers . . . . .	081
Power Plants . . . . .	167, 233	Pressure Monitoring Devices . . . . .	637
Power Reels . . . . .	649	Pressure Plugs . . . . .	637
Power Relay Sets . . . . .	463	Pressure Plugs, Prefabricated . . . . .	637
Power Relays — Customer		Pressure Systems; Cable . . . . .	637
Equipment . . . . .	463	Pressure Transducer Systems — Toll	
Power Supplies . . . . .	365	Cable . . . . .	637
Power Supply . . . . .	167	Prevention and Mitigation of	
Power Supply Circuits . . . . .	312	Interference . . . . .	873
Power Supply Systems Basic Data . . . . .	874	Primary Alerting Systems (SAC) . . . . .	310
Power Supply Unit . . . . .	362	Primary Carrier Distribution Circuit . . . . .	356
Power Supply at Main and Auxiliary		Primary Frequency Converter Circuit . . . . .	356
Repeaters . . . . .	358	Primary Frequency Supplies . . . . .	354
Power Supply for Teletypewriter		Primary Frequency Supply . . . . .	356
Apparatus . . . . .	570	Primary Frequency Supply Systems . . . . .	354
Power System Influence at Fundamental and		Printed Wiring Products . . . . .	800
Harmonic Frequencies . . . . .	873	Printer . . . . .	574
Power Systems . . . . .	167	Printer Types . . . . .	582
Power Systems Administration . . . . .	154	Printers . . . . .	582
Power Systems — Engineering and		Printers; Tape . . . . .	030
Operational Reviews . . . . .	155	Printing Terminals; DATASPEED	
Power Test Set . . . . .	103	Printer . . . . .	578
Power Tools and Materials . . . . .	076	Private Air-Ground Radio Systems . . . . .	406
Power Units . . . . .	167	Private Line Data Circuits . . . . .	314
Power Units — KS Specifications . . . . .	167	Private Line Data Systems and Services	
Practices (See Documents) . . . . .	167	40- and 43-Type Carrier Telegraph	
Precautions		Systems . . . . .	312
Customer Equipments . . . . .	460	Data Equipment . . . . .	312
Conduit . . . . .	622	DC Telegraph Systems and Associated	
Cleaning Fluids . . . . .	065	Equipment . . . . .	312
General Outside Plant . . . . .	620	Electronic, Mechanic, and Regenerative	
Manholes . . . . .	622	Telegraph Repeaters . . . . .	312

Private Line Data Systems and Services (Continued)	
Special Contract Circuits . . . . .	312
Private Line Data Systems— Special Network . . . . .	314
Private Line Services - Engineering . . . . .	880
Private Line Station Arrangements Using Data Sets 108 and 109 . . . . .	591
Private Line Telephone Systems and Services . . . . .	310
Private Line Terminations and Selective Signaling Systems . . . . .	480
Private Line Testboards . . . . .	666
Private Mobile Radio Systems . . . . .	405
Private Service Systems— Air-Ground Voice Communication System . . . . .	314
Private Systems Design . . . . .	860
Procedural Manuals . . . . .	235
Procedures, Translations, and Recent Changes . . . . .	231
Process and Special Hazard Protection . . . . .	760
Processor Community Engineering . . . . .	231
Processor Controlled Systems . . . . .	255
Processor Controllers— SARTS 1A . . . . .	666
Processor; Application . . . . .	585
Processor; Photo . . . . .	030
Processors 1A, 3A, and 3B . . . . .	254
Product Availability Policies . . . . .	010
Product Engineering Control Center Information Management System (PIMS) . . . . .	010
Product Information (General, Marketing, etc.) . . . . .	015
Product Information Practices (PIPs) . . . . .	000
Product Liability— Safety . . . . .	015
Product Management Access System (PMAS) . . . . .	193
Product Realization Process (PRP) . . . . .	000
Product Specific Documentation Guidelines . . . . .	000
Product Specifications . . . . .	235
Program Audio Engineering . . . . .	857
Program Audio Equipment . . . . .	320
Program Audio Testing . . . . .	320
Program Channel Units . . . . .	362
Program Coil Cases . . . . .	643
Program Documents . . . . .	235
Program Operating Center (POC) . . . . .	320
Program Switching . . . . .	320
Program Transmission Systems and Services— Cable, Carrier, Classes . . . . .	320
Program Transmission - Performance Requirements and Specifications . . . . .	804
Program and Terminal Maintenance Switching . . . . .	410
Programmable Scanner Distributor . . . . .	190
Programmable Scanner/Distributor— ATA (Automatic Trouble Analysis) . . . . .	190
Programming Unit— Teletypewriter Test Signals . . . . .	103
Project Nightwatch . . . . .	406
Project Scopelight . . . . .	406
Propagation Data - Power Supply . . . . .	874
Propagation - Microwave Radio Engineering . . . . .	940
Proprietary Information . . . . .	000
Protected Terminals . . . . .	631
Protection Considerations— General . . . . .	876
Protection From Exposure to Lead . . . . .	010
Protection Switching System Interface . . . . .	422
Protection Switching Systems 100A . . . . .	420, 422
200B . . . . .	357
400A . . . . .	420, 422
500A, 501A . . . . .	419
Microwave Radio . . . . .	420
Protection Switching Test Sets . . . . .	100, 104
Protection Switching - Microwave Radio Engineering . . . . .	940
Protection System— Electrical . . . . .	638
Protection from Exposure to Lead . . . . .	010
Protection of Service Customer Equipment . . . . .	460
Intra-PBX . . . . .	473
Protection - Outside Plant Joint Considerations . . . . .	918
Protective Coatings - Corrosion Prevention . . . . .	877
Protective Packaging . . . . .	745
Protective Relaying Channel . . . . .	310
Protectors and Associated Connectors . . . . .	201
Public Air-Ground Radio Systems . . . . .	406
Public Service Maintenance Check . . . . .	506
Public Services and ISO . . . . .	191
Public Telephone Products . . . . .	015
Public Telephone Sets . . . . .	506
Pulp-Insulated Cable . . . . .	626
Pulse Monitors . . . . .	422

Pulse Repeaters and Out-Trunk  
 Switches . . . . . 226  
 Pulse Type Measuring Set . . . . . 103  
 Pulsing Test Sets . . . . . 100, 190  
 Pulsing and Signaling . . . . . 975  
 Pumps . . . . . 649  
 Pushbutton Data Generator . . . . . 570

**Q**

QUORUM® 100A Conference System—  
 Identification, Installation, Operation, and  
 Maintenance . . . . . 481  
 Quadded Cable Impedance Attenuation and  
 Phase Data . . . . . 304  
 Quality . . . . . 193  
 Quality Control . . . . . 936  
 Quality Control— General  
 Applications . . . . . 010  
 Quality Education and Training . . . . . 010  
 Quality Planning and Processes . . . . . 010  
 Quality Review Plan . . . . . 620

**R**

RAYTHEON KS-20098 Radio  
 Equipment . . . . . 408  
 RAYTHEON KS-20098 or FARINON KS-  
 20311 Radio and KS-20099 Multiplex  
 Equipment . . . . . 408  
 RCA Microwave Radio . . . . . 408  
 RCMAC (Recent Change Memory  
 Administration Center) . . . . . 191  
 RCRA (Resource Conservation and  
 Recovery Act) . . . . . 010  
 REL 756 Receiver . . . . . 408  
 REL 756 Transmitter . . . . . 408  
 REL 756J Receiver . . . . . 408  
 REL 756J Transmitter . . . . . 408  
 REL Microwave Radio . . . . . 408  
 RF COMM Type 740 Transmitter . . . . . 403  
 RF Equipment . . . . . 857  
 RF Filters . . . . . 402  
 RFI (Radio Frequency Interference)  
 Suppression . . . . . 573  
 RIMS (Reuse Inventory Management  
 System) . . . . . 790  
 RISLU (Remote Integrated Services Line  
 Unit) . . . . . 235, 190, 824  
 RMAP (Remote Memory Administration  
 Position) . . . . . 190

RMAS (Remote Memory Administration  
 System) . . . . . 190  
 RMATS (Remote Maintenance  
 Administration & Traffic System) . . . . . 554  
 RMMS (Regional Maintenance Management  
 System) . . . . . 190, 824  
 RMS (Remote Measurement  
 System) . . . . . 234, 666  
 RMS (Remote Measurement System) -  
 Metallic, Marketing  
 Information . . . . . 015, 666, 824  
 RMS-DAU (Remote Measurement  
 System— Digital Access Unit) . . . . . 667  
 RSS (Residual Ringing System) . . . . . 167  
 RTS 5A— SARTS . . . . . 666  
 RTTU (Remote Trunk Test Unit) . . . . . 951  
 RTTU/CTTU (Remote Trunk Test  
 Unit/Central Trunk Test  
 Unit) . . . . . 190, 824, 865  
 Raceways . . . . . 461  
 Raceways and Conduit (Customer  
 Equipment) . . . . . 461  
 Racks  
 Cable . . . . . 330, 760, 801  
 Message Register . . . . . 801  
 Relay . . . . . 801  
 Radar Data Systems . . . . . 314  
 Radiation . . . . . 010  
 Radio  
 1A Digital . . . . . 356  
 3A Digital . . . . . 417  
 Air-Ground Radio . . . . . 406  
 Antennas . . . . . 402  
 Administration . . . . . 400  
 Automobile . . . . . 405  
 AUTOPLEX— Cellular Telecommunications  
 System . . . . . 190, 401  
 Coastal Harbor . . . . . 403  
 Common Carrier . . . . . 660  
 Cellular . . . . . 190, 401  
 Control Terminals and Associated  
 Equipment . . . . . 403  
 Emergency Point-to-Point . . . . . 403  
 Emergency Radio . . . . . 400  
 Facilities . . . . . 860  
 FCC Regulatory Information . . . . . 400  
 Federal Microwave . . . . . 408  
 FR/DR Microwave . . . . . 421  
 Frequency Interference (RFI)  
 Suppression . . . . . 573

Radio (Continued)

- Frequency Interference . . . . . 873
- High Seas . . . . . 403
- Induction Suppression Filters— General Requirements . . . . . 570
- Military Air-Ground Systems . . . . . 406
- Maritime . . . . . 400
- Microwave Radio IF Switching . . . . . 371
- Microwave . . . . . 400
- Mobile . . . . . 406
- Microwave— Common
  - Equipment . . . . . 420
  - Manual . . . . . 404
  - Motorola Microwave . . . . . 408
  - Mobile and Maritime . . . . . 400
- Narrowband Microwave Radio Auxiliary Channel . . . . . 408
- Over-the-Horizon . . . . . 403
- Order Wire . . . . . 403, 409
- Overseas . . . . . 403
- Personal . . . . . 400, 407
- Performance Requirements . . . . . 801
- Paging Set . . . . . 400, 407
- Paging System . . . . . 407
- Protection Monitor . . . . . 420
- Protection Switching System . . . . . 419, 420
- Program Circuits . . . . . 320
- RCA Microwave . . . . . 408
- Receiver Trouble Isolation . . . . . 421
- Reflectors, Passive . . . . . 402
- REL Microwave . . . . . 408
- Specialty Model 1163 FM Deviation Meter . . . . . 104
- Single Sideband Microwave . . . . . 419
- Suppression for Telephone Sets . . . . . 500
- Services . . . . . 408
- Specifications . . . . . 801
- Switching Systems (Microwave) . . . . . 420
- Systems . . . . . 802
- Suppression— Customer
  - Equipment . . . . . 500
- TD-3 Microwave . . . . . 411
- TD-3D Microwave . . . . . 415
- TD-2 Microwave . . . . . 410
- TE Microwave . . . . . 409
- TH-1 Microwave . . . . . 412
- Test Equipment . . . . . 104
- Telephone - Specifications . . . . . 804
- Telephone - Performance Requirements . . . . . 804

Radio (Continued)

- TH-3 Microwave . . . . . 413
- TJ and TM-1 Microwave . . . . . 409
- TL-2 and TM-1 Microwave . . . . . 409
- TL-1 Microwave . . . . . 409
- TM-2/TM-2A Microwave . . . . . 409
- TN-1 Microwave . . . . . 416
- Transmission Lines . . . . . 402
- Transmission (Common Microwave) . . . . . 422
- TV Off-the-Air Pick-Up Services . . . . . 408
- Transmitter Trouble Isolation . . . . . 421
- VHF Maritime . . . . . 404
- Waveguide . . . . . 402
- Radio Engineering
  - Antennas . . . . . 940
  - Air-Ground . . . . . 940
  - Domestic Public Land Mobile Systems . . . . . 940
  - Equipment Considerations . . . . . 940
  - Estimates . . . . . 940
  - Fading . . . . . 940
  - FM Terminals . . . . . 940
  - Interference . . . . . 940
  - Mobile Radio . . . . . 940
  - Microwave Radio . . . . . 417
  - Noise Tests . . . . . 940
  - One- and Three-Channel Packaged Systems . . . . . 940
  - Protection Switching . . . . . 940
  - Propagation . . . . . 940
  - Paging Set . . . . . 940
  - Receiver Noise Measurements . . . . . 940
  - Satellite Systems . . . . . 940
  - TD-3 . . . . . 940
  - TH-3 . . . . . 940
  - TL-2 . . . . . 940
  - TM-1 . . . . . 940
  - Transmission Engineering . . . . . 940
  - Transmission . . . . . 940
  - Video Transmission . . . . . 940
  - Wire Line Entrance Links . . . . . 940
  - Waveguide . . . . . 940
- Radio Paging Set
  - Central Office Equipment . . . . . 407
  - Records and Reports . . . . . 400
  - Radio Equipment . . . . . 407
- Radio to Telephone Induction . . . . . 873
- Railroad Crossings . . . . . 620
- Rain Fading - Microwave Radio Engineering . . . . . 940

Range Charts (PBX) . . . . .	534	Records - Outside Plant . . . . .	928
Range Charts— PBX Trunk and Station		Rectifiers . . . . .	169
Conductor Loop . . . . .	534	Rectifiers (See also Power Supplies) . . . . .	802
Readers . . . . .	034	Rectifiers and Inverters . . . . .	874
Receiver Tests . . . . .	411	Reduction of Harmonic Currents . . . . .	874
Receivers . . . . .	314, 403	Reel Lengths . . . . .	626
Receivers; Station Set Components . . . . .	501	Reels	
Receiving Circuits . . . . .	356	AMA (Automatic Message Accounting)	
Demodulator, Mastergroup Equalizer, and		Tape . . . . .	034
Regulator . . . . .	356	Cord— Station Set	
Group Demodulator . . . . .	356	Components . . . . .	501
Loopback Amplifier . . . . .	356	Reference Frequency Standard . . . . .	354
Supergroup Demodulator . . . . .	356	Reflection Loss at 1000 Cycles . . . . .	304
Receiving Logic Plug-in Units . . . . .	420	Reflection and Junction Loss— Carrier	
Receiving Mastergroup Bank . . . . .	356	Frequencies . . . . .	304
Receiving Only (RO) . . . . .	574	Reflectors; Passive (Radio) . . . . .	402
Reperforator Table . . . . .	574	Regenerative Repeaters (TELETYPE	
Typing Reperforator Set (ROTR) . . . . .	574	<sup>TM</sup> ) . . . . .	034
Typing Reperforator Cover and Keyboard		Regenerative Repeaters— Teletypewriter	
Tape Printer Cover . . . . .	574	Service . . . . .	034
Receiving Selector Unit . . . . .	573	Regenerative Telegraph Repeaters . . . . .	312
Receiving Submastergroup Bank . . . . .	356	Regenerators . . . . .	034
Recent Change (from the OAP) . . . . .	250	Station . . . . .	421
Recent Change Procedural Manuals . . . . .	235	Trouble Isolation . . . . .	421
Reconditioning of Apparatus and		Test Set . . . . .	103
Equipment— Step-by-Step, Panel, and		Teletypewriter Service . . . . .	034
Crossbar Offices . . . . .	069	Regional Maintenance Management System	
Reconditioning of Type L1 Carrier Equipment		(RMMS) . . . . .	190, 824
Components . . . . .	360	Register and Sender Equipments . . . . .	819
Reconditioning of Type L3 Carrier Equipment		Register, Sender, and Translator	
Components . . . . .	360	Equipments . . . . .	819
Recorded Telephone Dictation . . . . .	473	Registers . . . . .	030
Recorded Telephone Dictation Trunk . . . . .	951	Registration Interfaces— Customer	
Recorded Telephone Dictation Trunks		Equipment . . . . .	463
(Customer Equipment) . . . . .	473	Regulated Tube Rectifier Inverter . . . . .	161
Recorder Connectors— Customer		Regulating Arrangements . . . . .	355
Equipment . . . . .	463	Regulator Repair and Repeater Tests at L1	
Recorder-Reproducers . . . . .	034	Maintenance Centers . . . . .	360
Recorder-Reproducers . . . . .	034, 951	Regulators	
Recorders		Pilot Wire . . . . .	332
Brush . . . . .	100	Speed . . . . .	024
Couplers . . . . .	463	Voltage . . . . .	024
Connectors . . . . .	463	Rehabilitation of Distribution	
General Descriptive Information . . . . .	951	Facilities . . . . .	917
Records . . . . .	010	Relay Sets; Power . . . . .	463
Traffic Usage . . . . .	252	Relaying Equipment; Protective . . . . .	024
Recorders, Recorder-Reproducers, and		Relays . . . . .	040
Reporting Systems . . . . .	951	D and KS Specifications . . . . .	040
Records, Reports, Emergency and		Non-Bell System Codes . . . . .	040
Interdepartmental Routines . . . . .	216	WE Codes— Alphabetical . . . . .	040



Relays (Continued)				Repeater	
WE Codes — Numerical . . . . .	040			And Amplifier Power Supply . . . . .	358
Relief - Feeder Facilities . . . . .	916			Activity Test Set . . . . .	103
Remote Control Chassis . . . . .	404			Equipment . . . . .	807, 814
Remote Control System . . . . .	359			Section Return Loss and Singing	
Remote Data Entry System (RDES) . . . . .	901			Point . . . . .	304
Remote Integrated Services Line Unit				Station/DMR (Digital Monitoring	
(RISLU) . . . . .	235			Receiver) . . . . .	422
Remote Maintenance Administration & Traffic				Switching and Looping . . . . .	362
System (RMATS) . . . . .	554			Test and Maintenance Stand (L4	
Remote Measurement System				Carrier) . . . . .	103
(RMS) . . . . .	234			Tests . . . . .	361
Digital 1 (RMS-D1) . . . . .	666, 824			Test Sets; Voice Frequency	
Digital 2 (RMS-D2) . . . . .	234, 666, 824			Telephone . . . . .	103
Digital 3 (RMS-D3) . . . . .	660, 824			Repeatered Links . . . . .	357
Metallic (RMS-M1) . . . . .	666, 824			Repeaters	
Metallic, Marketing Information				Combined Transmission and	
(RMS) . . . . .	015, 666, 824			Signaling . . . . .	332
Remote Memory Administration Position				L Carrier Type . . . . .	359
(RMAP) . . . . .	190			Mechanical Telegraph . . . . .	312
Remote Memory Administration System				Maintenance Center Test . . . . .	361
(RMAS) . . . . .	190, 824			N, O, and ON Types . . . . .	362
Remote Office Test Line (ROTL)				Negative Impedance . . . . .	332
1 and 1A ESS Switches . . . . .	231			Portable Microwave . . . . .	420
2/2B ESS Switches . . . . .	232			Regenerative — Teletypewriter	
3 ESS Switch . . . . .	233			Service . . . . .	034
4 ESS Switch . . . . .	234			Regenerative — Telegraph . . . . .	312
5 ESS Switch . . . . .	235			T Carrier Type . . . . .	365
Crossbar Tandem . . . . .	220			Voice Frequency Telephone . . . . .	332
No. 5 Crossbar . . . . .	218			Wideband Loop . . . . .	314
No. 1 Crossbar . . . . .	216			Repeating Coils . . . . .	801
Step-by-Step . . . . .	226			Reperforator-Transmitter Set . . . . .	573
Remote Packet Modules . . . . .	255			Reperforator-Transmitter Unit . . . . .	573
Remote Signal Bell and Teletypewriter				Report Procedures	
Installations Involving Explosive				Consumer Products . . . . .	010
Atmospheres . . . . .	570			Engineering Complaints . . . . .	010
Remote Switching System . . . . .	820			Reporting Systems; Emergency (Customer	
Remote Switching System; No. 10A . . . . .	255			Equipment) . . . . .	473
Remote Trunk Arrangement Feature . . . . .	250			Reports . . . . .	010
Remote Trunk Arrangement and Position				Reproducer, Cassette . . . . .	034
Subsystem No. 2 Features . . . . .	250			Requirements . . . . .	741
Remote Trunk Test Unit (RTTU) . . . . .	951			Requirements Tables . . . . .	005
Remote Trunk Test Unit/Central Trunk Test				Rescue . . . . .	010
Unit (RTTU/CTTU) . . . . .	190, 824, 865			Reserve Engine Cooling Systems . . . . .	065
Removal of Guys and Anchors . . . . .	621			Reserve System; AC . . . . .	065
Removing Units From Service . . . . .	362			Reserved 1.5 Service . . . . .	314
Repair of D Specification Regulators . . . . .	360			Residual Ringing System (RSS) . . . . .	167
Repair of Regulators . . . . .	360			Resistance Design - Outside Plant . . . . .	902
Repair — Outside Plant . . . . .	635			Resistors . . . . .	032
				Resonant Frequency Selective	
				Devices . . . . .	874

Restoration Control System . . . . .	371	SAC Main Operating Base Turret and SAGE Systems— 112A Key Equipment . . . . .	480
Restoration; Broadband . . . . .	371	SAGE (Semiautomatic Ground Environment) 112A Key Equipment and SAC Main Operating Base Turret . . . . .	480
Restrictions of Plant Activities . . . . .	010	AUTOVON (SAGE - Automatic Voice Network) . . . . .	309
Restrictions; Dial— Key Telephone Set . . . . .	500	Data Transmission Systems . . . . .	314
Return Loss		General Descriptive Information . . . . .	981
And Singing Point Test Sets . . . . .	103	Services . . . . .	314
Data . . . . .	304	Station Equipment . . . . .	480
Measurements . . . . .	402	SAM (Synchronous Asynchronous Multiplexer) . . . . .	255
Measuring Sets . . . . .	103	SARTS (Switched Access Remote Test Systems) . . . . .	666
Test Sets . . . . .	103	SARTS 1A (Switched Access Remote Test System 1A) . . . . .	666
Reuse Inventory Management System (RIMS) . . . . .	790	SASSY (Switched Access Servicing System) . . . . .	667
Rewinders . . . . .	570	SC1 Signal Condition Indicators . . . . .	103
Rheostats . . . . .	028	SC2 Selective Control System . . . . .	310
Ringer Isolators . . . . .	501	SCANS (Software Change Administration and Notification System) . . . . .	190
Ringers . . . . .	028	SCC (Switching Control Center) . . . . .	190, 201
Ringling Bridge Limitations— Customer Equipment . . . . .	500	SCCS (Switching Control Center System) . . . . .	190
Ringling Feeders (Customer Equipment) . . . . .	460	SCEPT (Switch Capacity Evolution Planning Tool) . . . . .	235
Ringling Generators . . . . .	155	SCOTS (Surveillance and Control of Transmission Systems) . . . . .	190, 865
Ringling Machines and Pole Changers . . . . .	163	SCOUT (Surveillance and Control of Undersea Transmission) . . . . .	364
Ringling Power Plants . . . . .	167	SDN (Software Defined Network) . . . . .	533
Ringling and Battery Feeders . . . . .	460	SDWA (Safe Drinking Water Act) . . . . .	010
Ringling and Coin Control Generators . . . . .	155	SES (Service Evaluating System) . . . . .	252
Ringling and Tone Plant . . . . .	167	SIS (Security Information System) . . . . .	019
Roadrunner Source Books . . . . .	501	SL Undersea Lightwave . . . . .	364
Room Controller Equipment . . . . .	481	SLC 1 Carrier System . . . . .	363
Room Lighting . . . . .	802	SLC 120 Network Access System . . . . .	363
Rotary Switches . . . . .	814	SLC 2000 Access System . . . . .	363
Route Planning and Study . . . . .	901	SLC 24 Carrier System and Fiber SLC 24 Carrier . . . . .	363
Routiner Test Set . . . . .	403	SLC 24 and 96 Carrier Systems . . . . .	363
Routing - Buried Plant Toll Cable . . . . .	920	SLC 40 Carrier System . . . . .	363
Rubber Items . . . . .	081	SLC 8 Carrier System . . . . .	363
Rural Radio Station . . . . .	400	SLC 96 Carrier System . . . . .	363
Rural Wire . . . . .	462	SLC 96 Carrier System and Series 5 . . . . .	640
		SLC 96 and SLC 24 Carrier Systems, Lightguide Interconnections, and LM-Type Multiplexers . . . . .	363
<b>S</b>			
S&E Trunk Forecasting . . . . .	756		
SAC (Serving Area Concept) Interfaces . . . . .	631		
SAC (Strategic Air Command) Air-Ground Radio System . . . . .	406		
Main Operating Base Turret . . . . .	480, 981		
Primary Alerting System . . . . .	010, 310		

SLC Series 5 Carrier System . . . . .	363	Scantlin S.E.I. — 1315 Mobile Radio	
SLC® . . . . .	363	Selectors . . . . .	404
SLIM (Subscriber Loop Interface Module) and DCLU-5 (Digital Carrier Line Unit-5) . . . . .	363	Schematic Diagram (SDs) . . . . .	235
SMAS (Switched Maintenance Access Systems) . . . . .	667, 801	School-to-Home Interphone Systems . . . . .	512
SMDS (Switched Multimegabit Data Service) . . . . .	255	Scopelight Project . . . . .	406
SONDS (Small Office Network Data System) and PDT-2A (Pollable Data Terminal No. 2A) . . . . .	190	Secondary Carrier Distribution Circuit . . . . .	356
SOP (Section of Plant) Code . . . . .	936	Section of Plant (SOP) Code . . . . .	936
SOTP (Service Operations & Test Plan) . . . . .	015	Sections Applicable to 2, 2A, 2B, and 2C ESS Switches . . . . .	232
SOTUS— Sequential Selector and Selector Panel . . . . .	570	Sections Common to Traffic Management Systems . . . . .	252
SPARS (Service Product Analysis & Reporting System) formerly MPARS . . . . .	193	Sector Multiple Designation Cards . . . . .	030
SPIRIT Electronic Key Telephone System . . . . .	999	SecurID . . . . .	255
SPIRIT® Communication System . . . . .	518	Secure Model 28 Teletypewriter Station . . . . .	591
SRD (Software Release Description)— for DACS II . . . . .	365	Secure Teletypewriter Services . . . . .	573
SS1 (Selective Signaling) . . . . .	801	Security Information System (SIS) . . . . .	019
SSC (Special Service Center) . . . . .	865	Selection of Apparatus— Customer Equipment . . . . .	500
SSFS (Special Service Forecasting System) . . . . .	781	Selection— Aerial Cable . . . . .	627
SSS (Special Services System) . . . . .	660	Selective Calling Service— STC . . . . .	666
STARKEEPER® Network Management System (NMS) . . . . .	255, 555	Selective Calling Systems 1A High Speed Teletypewriter . . . . .	592 581
STAR SERVER™ FT (Fault Tolerant) . . . . .	255, 560	Selective Level Meter AT463 . . . . .	103
STATC-2 TWX Station Automatic Test Cord . . . . .	103	Selective Signaling Oscillators . . . . .	404
STP (Signal Transfer Point) . . . . .	256	SS1 . . . . .	801
SX - Signaling Equipment . . . . .	801	Systems and Private Line Terminations . . . . .	480
SYSTIMAX® PDS (Premises Distribution System) . . . . .	461, 555	Systems . . . . .	480, 982
Safe Drinking Water Act (SDWA) . . . . .	010	Selector Consoles . . . . .	504
Safety Precautions . . . . .	010	Selector Magnet Driver . . . . .	570
Safety Precautions and Restrictions of Plant Activities . . . . .	010	Selector Multiple Designation Cards, Switches . . . . .	030
Safety— Motor Vehicles . . . . .	720	Selectors . . . . .	026
Satellite Systems (ORBCAL Program) . . . . .	940	Self-Supporting Cable . . . . .	627
Saws . . . . .	649	Semiautomatic Ground Environment (See SAGE) . . . . .	627
Scanner, Test, and Alarm Circuits . . . . .	356	Semiautomatic Ground Environment Automatic Voice Network (SAGE-AUTOVON) . . . . .	309
Scantlin Model 2225 Test Set . . . . .	104	Semiconductor Type Automatic Regulation . . . . .	802
		Ferroresonant Regulation . . . . .	802
		Manual Regulation . . . . .	802
		Unregulated Rectifiers . . . . .	802
		Sender Equipments . . . . .	816

Sender Link, Register Link, Outpulser Link, Link Controller Equipments . . . . .	818	Signal Generation and Evaluation Equipment . . . . .	107
Sender and 6-Digit Translation Equipments . . . . .	816	Signal Generators 61B and 61C . . . . .	103
Sender and Outpulsing Equipments . . . . .	818	Radio . . . . .	104
Senders . . . . .	212	Signal Monitor Test Sets . . . . .	103
Sending Panels . . . . .	103	Signal Quality Monitor . . . . .	103
Sending and Receiving Consoles . . . . .	103	Signal Repeaters . . . . .	639
Sequence Selector Unit and Base . . . . .	573	Signal Transfer Point (STP) . . . . .	256, 825
Sequence Switches . . . . .	030	Signal Transmission Systems . . . . .	859
Service Center; Special . . . . .	660	Signaling Circuit Tests . . . . .	412
Service Creation Environment (SCE) Development . . . . .	270	Signaling Equipment . . . . .	801
Service Evaluating System (SES) . . . . .	252	Signaling Links, Terminal Group, Data Set Frame, and AC Power . . . . .	256
Service Methods; Network . . . . .	780	Signaling Power Plants . . . . .	167
Service Observing . . . . .	252	Signaling Systems Compatibility Considerations . . . . .	179
Circuits - Data Systems . . . . .	953	General Descriptive Information . . . . .	975
Desks . . . . .	210, 953	Selective . . . . .	480, 982
Evaluation . . . . .	822	Signaling Circuits . . . . .	179
Specific Application . . . . .	780	Signaling Test Sets . . . . .	100
Service Operations & Test Plan (SOTP) . . . . .	015	Signaling and Compatibility Considerations . . . . .	179
Service Order Assignments and Procedures . . . . .	680	Signals . . . . .	032
Service Product Analysis & Reporting System (SPARS) formerly MPARS . . . . .	193	Signals, Signaling Systems, Signal Transmission Systems— General . . . . .	859
Service Protection Customer Equipment . . . . .	460	Singing Point Test Sets . . . . .	103
Intra-PBX . . . . .	473	Single Line-Service Practices 500 Series . . . . .	502
Service Wire Closures . . . . .	462	Single Magnet Nontyping Reperforator . . . . .	573
Service Wire— Reels of Wire . . . . .	626	Single Magnet Typing Reperforator . . . . .	573
Serviceboards; Telegraph . . . . .	666	Single Sideband Microwave Radio . . . . .	419
Services; Teleconferencing . . . . .	481	Single-Channel Carrier Systems . . . . .	363
Serving Area Concept - Outside Plant Engineering . . . . .	915	Single-Sideband Microwave Radio Test Equipment . . . . .	104
Setting Up . . . . .	632	Skinning Cable and Wire . . . . .	069
Sheath Openings— Cable Fault Location . . . . .	634	Skinning Cross Connection Wire . . . . .	069
Sheath and Sleeve Opening Tools . . . . .	081	Sleeve Rollers and Pressers . . . . .	081
Sheaves and Snatch Blocks . . . . .	081	Small Office Network Data System (SONDS) . . . . .	190
Shelves . . . . .	508	Sockets . . . . .	032
Shop Repair . . . . .	741	Software . . . . .	235
Short Haul Carrier . . . . .	320	Software Change Administration and Notification System (SCANS) . . . . .	190
Siemens Transmission Measuring Sets . . . . .	103	Software Defined Network (SDN) . . . . .	533
Sierra Portable Signal Generator . . . . .	103	Software Description - 3 ESS Switch . . . . .	233
Signal Comparator Adjustment . . . . .	408	Software Descriptions . . . . .	231, 234
Signal Converter Allotter . . . . .	252, 254	Software Products — Salesware . . . . .	015
Signal Evaluating and Measuring Sets . . . . .	107		

Software — 1A ESS Switch . . . . .	231	Splice Closures (Continued)	
Solder Connections . . . . .	069	Splice Cases . . . . .	633
Soldered Joints . . . . .	632	Types of Closures . . . . .	633
Soldering Strap Wires—		Wrapped, Insulated, and Special	
Relays/Switches . . . . .	069	Closures . . . . .	633
Solderless Connectors . . . . .	069	Splices . . . . .	462
Solid State Ringing Generators . . . . .	155	Splicing . . . . .	643
Sounders . . . . .	028	Methods . . . . .	632
Sounding Devices . . . . .	028	Plans and Cables . . . . .	632
Space Planning— Building		Submarine Cable . . . . .	630
Engineering . . . . .	760	Terminals . . . . .	632
Span Terminating Frame, T4M . . . . .	365	Stabilized 64 KHz Pilot Supply . . . . .	356
Speakerphone System 4A-Type . . . . .	512	Standard Conductors . . . . .	626
Speakerphone Systems . . . . .	512	Standard Exchange Cables . . . . .	626
Special Access Circuits . . . . .	851	Standard Materials . . . . .	462
Special Cable Closures . . . . .	633	StarKeeper® II NMS (Network Management	
Special Communications Systems . . . . .	518	System) . . . . .	255
Special Conditioning . . . . .	880	Starterline . . . . .	234
Special Connections— Customer		Starters . . . . .	026
Equipment . . . . .	500	Static Ringing Generators . . . . .	155
Special Contract Circuits . . . . .	312	Station Apparatus and Equipment for	
Special Multipoint Systems . . . . .	851	Specially- Engineered Lines . . . . .	529
Special Multistation Systems . . . . .	310	Station Arrangements	
Special Networks . . . . .	230	For 2- and 4-Wire No. 5 Crossbar Central	
Special Outside Plant Systems . . . . .	915	Office Lines . . . . .	480
Special Purpose Multipoint Private Line		Using 37RO Teletypewriter . . . . .	591
Systems . . . . .	310	Using 33 and 35 Teletypewriter . . . . .	591
Special Service Center (SSC) . . . . .	660, 865	Using 37ASR Teletypewriter . . . . .	591
Special Service Channel Unit . . . . .	362	Using 37KSR Teletypewriter . . . . .	591
Special Service Circuits . . . . .	309	Station Control Apparatus— Announcement	
Special Service Circuits Terminating at a		Systems . . . . .	514
Registered Interface Point . . . . .	851	Station Converters . . . . .	570
Special Service Forecasting System		Station Equipment . . . . .	314
(SSFS) . . . . .	781	Station Equipment Arrangements . . . . .	473
Special Service Systems		Station Equipment— Installation	
Nonswitched . . . . .	310, 851	Considerations . . . . .	500
Switched . . . . .	311, 851	Station Keys . . . . .	512
Special Services . . . . .	191	Station Line Circuit (Extension	
Special Services System (SSS) . . . . .	660	Lines) . . . . .	534
Special Use Belts and Straps . . . . .	081	Station Line Circuits . . . . .	542
Specialized Building Services . . . . .	770	Station Loops and Sets— Design of	
Specialty Modified 555 PBX . . . . .	536	Loops . . . . .	852
Specifications . . . . .	005	Station Monitoring Test Line Circuit	
Specifications — Drawings and Program		SD-70925-01 . . . . .	314
Documents . . . . .	235	Station Monitoring Test Trunk SD-98141-	
Spectrum Analyzer . . . . .	103	01 . . . . .	314
Spectrum Generator . . . . .	103	Station Protection . . . . .	876
Speed Reduction Units . . . . .	161	Station Set Components (Customer	
Spiral — Four Cable Splicing . . . . .	632	Equipment) . . . . .	501
Splice Closures		Station Sets	

Station Sets (Continued)

Coin . . . . .	506
Common Battery . . . . .	502
Key Telephone . . . . .	518
Local Battery . . . . .	510
Modular . . . . .	503
Magneto . . . . .	510
Video . . . . .	518
Station Signaling and Announcement	
Subsystem . . . . .	250
Station Test Equipment . . . . .	105
Station Test Line SD-70926-01 . . . . .	314
Station Test Line — 1A Transaction	
Telephone . . . . .	314
Station Test Sets . . . . .	105
Station Wire . . . . .	461
Statistical Multiplexers . . . . .	314
Status Assembling System . . . . .	201
Status Reporting . . . . .	801
Steam Early Warning System . . . . .	644
Step-By-Step	
Common Control Offices . . . . .	955
PBX Centrex CU and Optional Service	
Features . . . . .	540
PBX Equipment and Circuits Associated	
With Touch-Tone Calling . . . . .	540
Step-by-Step Offices . . . . .	660
Equipment Common to More Than One	
Type . . . . .	226
General Descriptive Information . . . . .	955
Specific Types . . . . .	255
Testing Information . . . . .	227
Stepping Poles . . . . .	621
Storage Batteries . . . . .	157
Stored Program Control . . . . .	254, 951
Stored Program Control No. 1A . . . . .	801
Stored Program Control No. 1A (ETS and	
TSPS No. 1) . . . . .	254
Stored Program Control Systems . . . . .	780
Storeroom Distribution . . . . .	744
Strategic Air Command (See	
SAC) . . . . .	254, 951
Strategic Air Command Primary Alerting	
System . . . . .	310
Strips; Designation . . . . .	501
Structural Coordination . . . . .	937
Structural Return Losses . . . . .	304
Submarine Cable . . . . .	630
Maintenance . . . . .	630
Placing . . . . .	630

Submarine Cable (Continued)

Precautions . . . . .	630
Splicing . . . . .	632
Systems . . . . .	364AC
Terminal . . . . .	804
Subscriber Carrier . . . . .	462
Subscriber Line Testing . . . . .	660
Subscriber Lines . . . . .	341
Subscriber Loop . . . . .	332
Subscriber Loop Carrier Systems	
Analog . . . . .	363
Digital . . . . .	363
P Type . . . . .	363
Single-Channel . . . . .	363
Subscriber Loop Interface Module (SLIM) and DCLU-	
5 (Digital Carrier Line Unit-	
5) . . . . .	363
Subscriber Loop Multiplex . . . . .	640
Subscriber Loop Multiplexer . . . . .	363
Subscriber Loop Noise . . . . .	870
Subscriber Operated Time Announcement	
Service . . . . .	201
Subscriber Plant Design . . . . .	860
Subscriber Sets	
Common Battery . . . . .	502
Local Battery . . . . .	510
Magneto . . . . .	510
Subscriber Telephone Sets . . . . .	502
Subsidiary Conduit . . . . .	622
Summary Charts — Lineup and	
Maintenance — N1 Carrier . . . . .	362
Summary Charts — Lineup and	
Maintenance — O and ON Carrier . . . . .	362
Super Groupband Data Systems . . . . .	314
Supergroup	
Bandwidth Data Systems . . . . .	880
Connectors . . . . .	356
Carrier Supply . . . . .	356
Carrier Supplies . . . . .	356
Demodulator . . . . .	356
Entrance Link Per SD-50700-01 . . . . .	357
Modulator . . . . .	356
Pilot — Measuring Circuits . . . . .	356
Superseded Exchange Cables . . . . .	626
Supervisor Chairs . . . . .	065
Supplementary 904-Type Data Test	
Centers . . . . .	668
Supplementary Reference Manuals . . . . .	235
Supply Catalogs . . . . .	741
Supply Manual and Computer	
Controls . . . . .	743

Supply Ordering, Automation . . . . .	743	Switched Special Services . . . . .	311
Supply Ordering, General . . . . .	743	Switches	
Support Services . . . . .	010	1 and 1A ESS Switches . . . . .	231, 966
Suppressors . . . . .	332	100, 200, 300 Series . . . . .	030
Surveillance Control Panel . . . . .	357	101 ESS Switch . . . . .	240, 966
Surveillance Interface Panel . . . . .	357	2/2B ESS Switches . . . . .	232
Surveillance and Control Systems . . . . .	190	3 ESS Switch . . . . .	233
Surveillance and Control and Maintenance		4 ESS Switch . . . . .	234
Systems . . . . .	865	5 ESS Switch . . . . .	235
Surveillance and Control of Transmission		Call Timing and Sequence . . . . .	030
Systems (SCOTS) . . . . .	190, 865	Magnetic . . . . .	026
Surveillance and Control of Undersea		Station Application . . . . .	463
Transmission (SCOUT) . . . . .	364	Switching Arrangements . . . . .	355
Surveys and Test Methods -		Switching Considerations . . . . .	780
Corrosion . . . . .	877	Switching Control Center	
Susceptiveness of Communications Plant		(SCC) . . . . .	190, 201
and Equipment . . . . .	873	Switching Control Center System	
Suspension Strand Cable . . . . .	627	(SCCS) . . . . .	190
Suspension Strand— Aerial Cable . . . . .	627	Switching Control Equipment . . . . .	318
Suspension/Restoration Procedures . . . . .	660	Switching Controls . . . . .	410
Switch Capacity Evolution Planning Tool		Switching Management Control Center - 4	
(SCEPT) . . . . .	235	ESS . . . . .	234
Switch Range Extension Design Devices -		Switching Network Planning . . . . .	781
Outside Plant . . . . .	902	Switching Networks 2, 2A, and 3	
Switchboard Sections . . . . .	201	ESS . . . . .	820
Switchboard Sections; Common . . . . .	201	Switching Section Phase Comparison	
Switchboards		Set . . . . .	103
Manual PBX . . . . .	534	Switching Set Tests . . . . .	361
No. 1, 3, 5, and 6 Toll . . . . .	211	Switching Sets . . . . .	361
No. 6A Teletypewriter . . . . .	211	Switching System No. 400 . . . . .	518
Switchboards and Operating Room Desks		Switching Systems	
and Associated Equipment . . . . .	821	Automatic Protection (Radio) . . . . .	420
Switched 56 kb/s Service . . . . .	314	Crossbar (See Crossbar	
Switched Access Billing . . . . .	785	Offices/Systems) . . . . .	420
Switched Access Remote Test Systems		Customer Equipment . . . . .	480
(SARTS) . . . . .	666	Community Dial (See Community Dial	
Switched Access Servicing System		Offices) . . . . .	420
(SASSY) . . . . .	667	ESS Switches (See Switches) . . . . .	420
Switched Maintenance Access Systems		No. 4A and 4M Toll . . . . .	212
(SMAS) . . . . .	667, 801	No. 300 Series (Customer	
Switched Multimegabit Data Service		Equipment) . . . . .	480
(SMDS) . . . . .	255	No. 1, 3, 5, and 6 Toll . . . . .	211
Switched Network Services Other Than		No. 400 (Customer Equipment) . . . . .	518
DDS . . . . .	880	Private Service Systems . . . . .	811
Switched Section System Tests . . . . .	422	Step-by-Step (See Step-by-Step	
Switched Services Network and Direct		Offices) . . . . .	518
Distance Dialing (DDD) Equipment . . . . .	951	Test Equipment . . . . .	102
Switched Services Networks . . . . .	309	Tools and Materials . . . . .	076
Switched Services Networks Using Central		Switching and Traffic Administration	
Office Switching Machines . . . . .	309	Equipment Identification . . . . .	795

Syllabic Frequency Amplifier-	
Detector . . . . .	403
Symbols . . . . .	005
Symbols and Abbreviations— Outside	
Plant . . . . .	620
Synchronous Asynchronous Multiplexer	
(SAM) . . . . .	255
System 10 . . . . .	401
System 10/1000 Digital Cellular Switch	
(DCS) . . . . .	401
System 10/1000 Feature Description . . . . .	401
System 10/1000 Pre-Operation	
Support . . . . .	401
System 1000 . . . . .	401
System 25 . . . . .	555
System 75 Application Notes . . . . .	555
System 75 Release 1 — General	
Information . . . . .	555
System 75 and System 85 Network and Data	
Services . . . . .	555
System 75 and System 85 Terminals and	
Adjuncts . . . . .	555
System 75, 85, AP, 3B2, and 3B5 . . . . .	999
System 75XE . . . . .	555
System 85 Advanced Information	
System . . . . .	585
System 85 and DEFINITY Generic 2	
Communication System . . . . .	555
System 85, 75, Dimension and Transmission	
Terminal Products — Business	
Communications Administrative	
Methods . . . . .	010
System Application . . . . .	855
System Control 2, 2A, and 3 ESS . . . . .	820
System Documentation (2-Wire 1 and 1A	
ESS Switches) Documents Applicable to	
Both 1 and 1A ESS Switches . . . . .	231
System Engineering Program . . . . .	901
System Evaluation and Acceptance	
Requirements . . . . .	234
System Evaluation and Acceptance Tests -	
4 ESS . . . . .	234
System Line-Up and Maintenance . . . . .	363
System Lineup Procedures . . . . .	365
System Operational Procedures - 4	
ESS . . . . .	234
Systems	
25, 75, and 85 . . . . .	555
Alerting (See Alerting Systems) . . . . .	076
Analog Data Transmission . . . . .	314

Systems (Continued)

Automatic Call Distributing	
(ACD) . . . . .	476, 981
Automatic Intercept Systems	
(AIS) . . . . .	250
Announcement . . . . .	514, 951
Billing . . . . .	201
Business Communications . . . . .	554, 555
Common Channel Interoffice Signaling	
(CCIS) . . . . .	333
Customer Premises Systems— (ESS	
Switches Provided Customer	
Service) . . . . .	533, 981
Customer Premises Systems	
(PBX) . . . . .	540, 981
Cellular Telecommunications . . . . .	401
Call Distributing Systems . . . . .	475, 981
Cable Pressure . . . . .	637
Customer Switching and	
Networking . . . . .	555
Carrier (See Carrier	
Systems) . . . . .	475, 981
Carrier (Telegraph) . . . . .	312
Data Switching . . . . .	230
Data . . . . .	590
DATASPEED Tape-to-Tape . . . . .	582
Digital Multimeasuring . . . . .	103
Digital Transmission . . . . .	365
Digital Data Transmission . . . . .	314
FR/DR Microwave Radio . . . . .	421
Frequency Generating . . . . .	354
Interphone . . . . .	512, 981
Interoffice Signaling . . . . .	333
Key Telephone . . . . .	518, 981
Lightwave . . . . .	364, 365
Noise Measuring . . . . .	103
Operations Support . . . . .	190, 951
Paging . . . . .	852, 981
Program Transmission . . . . .	320
Private Line Data (Telegraph) . . . . .	312
Power . . . . .	167
Private Line Telephone . . . . .	310
Private Service Systems . . . . .	480, 982
Processor (A1, 3A, and 3B) . . . . .	254
Private Branch Exchange (See	
PBXs) . . . . .	555
Premises Distribution . . . . .	555
Remote Switching Systems	
(RSS) . . . . .	255
Radio (See Radio) . . . . .	320



Systems (Continued)

- Signaling (See Signaling Systems) . . . . . 255
- Switched Maintenance Access Systems (SMAS) . . . . . 667, 801
- Single Sideband Microwave Radio . . . . . 419
- Switching (See Switching Systems) . . . . . 667, 801
- Specialized Network Conferencing Systems . . . . . 332
- Telephone
  - Answering . . . . . 473, 951, 981
- Traffic Service . . . . . 250, 984
- Toll (See Toll) . . . . . 318
- Transmission (See Transmission) . . . . . 250, 984
- Traffic Management . . . . . 252, 984
- Transmission Measuring . . . . . 103
- Teletypewriter Switching . . . . . 580
- Television . . . . . 318
- Waveguide Pressure . . . . . 161
- Systems Engineering Manuals . . . . . 255

**T**

- T Carrier Administration System (TCAS) . . . . . 190, 363, 365, 865
- T-Drawings . . . . . 235
- T1 Carrier Systems . . . . . 365
- T1 Carrier, D Channel Banks, and MX3/FT3/FT3C Applications . . . . . 855
- T1 Carrier — Test Equipment and Test Sets . . . . . 103
- T1 Digital Data Line, 1.544-Megabit Data Service . . . . . 880
- T1 Digital Line . . . . . 365
- T1 Order-Wire . . . . . 365
- T1 Outstate (T1/OS) and T1C Digital Lines . . . . . 365
- T1 Systems . . . . . 640
- T1 and T1 Outstate (T1/OS) Digital Lines 1 . . . . . 365
- T1 and T1 Outstate (T1/OS) Order-Wire Facilities . . . . . 365
- T1, T1 Outstate (T1/OS), T1C, T1D, and T2 Order-Wire Facilities . . . . . 365
- T1, T1 Outstate (T1/OS), T1C, and T1D Digital Lines . . . . . 365
- T1C Digital Line . . . . . 365

- T1C Digital Line and T1C Automatic Protection Switch . . . . . 365
- T1C Systems . . . . . 640
- T1D Digital Line . . . . . 365
- T1WB-1 and T1WB-2 Wideband Banks . . . . . 365
- T1WB-3 and T1WB-3D Wideband Data Banks . . . . . 365
- T1WM-1 Wideband Modem . . . . . 365
- T1WM-4 Wideband Modem . . . . . 365
- T2 Carrier Engineering . . . . . 855
- T2 Carrier — Test Equipment and Test Sets . . . . . 103
- T2 Digital Line . . . . . 365
- T2 Systems . . . . . 640
- T3 and R3 Television Terminals . . . . . 359
- T3, T4M, and FT3 Systems — Test Equipment . . . . . 103
- T4 Systems . . . . . 640
- T4M Carrier Engineering . . . . . 855
- T4M Digital Line . . . . . 365
- T4M Span Terminating Frame . . . . . 365
- TASC (Telecommunications Alarm Surveillance and Control Systems) . . . . . 190, 824, 865
- TASI (Time Assignment Speech Interpolation) . . . . . 370
- TCAS (T Carrier Administration System) . . . . . 190, 865
- TD Microwave Radio . . . . . 422
- TD Radio - Performance Requirements . . . . . 804
- TD Radio - Specifications . . . . . 804
- TD and AR6A Microwave Radio . . . . . 422
- TD-2 Radio Systems — Differential Gain and Phase . . . . . 318
- TD-45A Digital Radio . . . . . 422
- TD-90 Digital Radio — Planning, Engineering, Operation, and Maintenance . . . . . 422
- TD-TH/TH-TD IF Shifter . . . . . 371
- TD/TH Radio Relay System . . . . . 201
- TD2 Radio and LMX — Transistor Type B Wire-Line Entrance Link . . . . . 357
- TD2 and LMX — Transistor Type A Wire-Line Entrance Link . . . . . 357
- TD-2 Microwave Radio . . . . . 410
- TD-3 Microwave Radio . . . . . 411
- TD-3D Microwave Radio . . . . . 415
- TE Microwave Radio . . . . . 409

TE-A1 Amplifier . . . . .	409	TM7400-M3 . . . . .	365
TE-R1 Receiver . . . . .	409	TM7400-M4 . . . . .	365
TE-R2 Receiver . . . . .	409	TM7450 . . . . .	365
TE-T1 Transmitter . . . . .	409	TMAS (Transport Maintenance and Administration System) . . . . .	190
TE-T2 Transmitter . . . . .	409	TML (Transmission Monitor Logging) Station . . . . .	364
TEC (Terminal Equipment Center) . . . . .	234	TN Microwave Radio . . . . .	416
TELESEER Hospitality II System . . . . .	555	TNDS (Total Network Data System) . . . . .	780
TELESEER® Station Message Detail Recorder . . . . .	999	TNPP (Traffic Network Planning Procedures) . . . . .	781
TH Radio - Performance Requirements . . . . .	804	TOC (Trunk Operations Center) . . . . .	234
TH Radio - Specifications . . . . .	804	TOPAS (Testing Operation Provisioning Administration System) . . . . .	190
TH-1 Radio . . . . .	357	TOSC (Trunk Operations Support Center) . . . . .	190
TH-1 Microwave Radio . . . . .	412	TRANSVU II Network Surveillance and Control Systems . . . . .	190
TH-3 Microwave Radio . . . . .	413	TREAT (Trouble Report Evaluation and Analysis Tool) . . . . .	190, 660, 824
TIRKS (Trunk Integrated Records Keeping Systems) . . . . .	756	TSDS (Telegraph Signal Distorting Sets) . . . . .	103
TIRKS E1 (Trunks Integrated Records Keeping System) . . . . .	756	TSPS (Traffic Service Position System) . . . . .	250
TJ Auxiliary Bay Tests . . . . .	409	TSPS Hotel/Motel Data Facilities . . . . .	312
TJ Microwave Radio . . . . .	409	TSS (Transmission Surveillance Systems) . . . . .	359, 422, 865
TJ Microwave Radio — Systems Tests — Heavy Loading . . . . .	409	TSS-R (Transmission Surveillance Systems—Radio) . . . . .	422
TJ Radio - Performance Requirements . . . . .	804	TTE (Terminal Transmission Equipment) . . . . .	364
TJ Radio - Specifications . . . . .	804	TV Off-the-Air Pick-Up Services . . . . .	408
TJ Receiver Tests . . . . .	409	TV Processor . . . . .	481
TJ Transmitter Tests . . . . .	409	TWT Cathode Activity Test Set . . . . .	104
TJ or TJ/TM-1 Microwave Radio . . . . .	409	TWX Station Automatic Data Test Line Circuit . . . . .	103
TJ or TJ/TM1 and LMX — Transistor Type A Wire-Line Entrance Link . . . . .	357	TWX Testboards . . . . .	666
TJ/TM-1 Auxiliary Bay . . . . .	409	Tables; Requirements . . . . .	005
TJ/TM-1 Microwave Radio . . . . .	409	Taking Equipment Out of Service . . . . .	216
TJ/TM-1 — Systems Tests — Heavy Loading . . . . .	409	Tandem Cross-Section Program . . . . .	781
TJ — Systems Tests — Light Loading . . . . .	409	Tandem Crossbar Systems . . . . .	220
TL Microwave Radio . . . . .	409	Tandem Patching Bay . . . . .	664
TL and LMX — Electron Tube Type A Wire- Line Entrance Link . . . . .	357	Tape Announcing Machine . . . . .	034
TL-1 Microwave Radio . . . . .	409	DATASPEED Magnetic . . . . .	578
TL-2 Portable Microwave . . . . .	409	Perforators . . . . .	034
TL-2 and TM-1 Microwave Radio . . . . .	409	Preparation Arrangements . . . . .	570
TL2/TM1 and LMX — Transistor Type A Wire-Line Entrance Link . . . . .	357	Perforator and Typing Tape Perforator . . . . .	573
TM Microwave Radio . . . . .	409	Punch . . . . .	574
TM-2/TM-2A Microwave Radio . . . . .	409		
TM-A1 Power Amplifier . . . . .	409		
TM7400 . . . . .	365		
TM7400-M2 . . . . .	365		

Tape (Continued)			
Punch; High Speed . . . . .	592		
Printer Keyboard and Receive Only			
Typing Reperforator Base . . . . .	574		
Printers . . . . .	030, 574		
Reader (Parallel Output) . . . . .	574		
Readers . . . . .	034, 574		
Reels . . . . .	034		
Reader; High Speed . . . . .	592		
Reeler . . . . .	034		
Receiver; DATASPEED . . . . .	592		
Splicers . . . . .	570		
Senders; DATASPEED . . . . .	592		
Teletypewriter Base . . . . .	573		
Teletypewriter Cover . . . . .	573		
Typing Unit . . . . .	573		
Task Oriented Practices . . . . .	254		
2-Wire 1 ESS Switch . . . . .	231		
2/2B ESS Switches . . . . .	232		
Common to 2-Wire 1 and 1A ESS			
Switches . . . . .	231		
Dimension 2000 and Custom			
PBX . . . . .	554		
Dimension 100/400/600/2000			
PBX . . . . .	554		
Technical Planning— Central Office Area,			
Interoffice Facility, . . . . .	781		
Technical Specification Manuals . . . . .	255		
Telecommunications Alarm Surveillance and			
Control (TASC) . . . . .	190, 824, 865		
Teleconferencing . . . . .	481		
Teleconferencing— Audio, Services, and			
Video . . . . .	481		
Telegraph			
Carrier Test Set . . . . .	103		
Signal Distorting Sets (TSDS) . . . . .	103		
Services . . . . .	660		
Serviceboards . . . . .	807		
Signal Sets . . . . .	103		
Systems (See Private Line Data Systems			
and Services) . . . . .	481		
Switchboards . . . . .	807		
Stability Test Sets . . . . .	103		
Station Test Set . . . . .	103		
Testboards . . . . .	666		
Teletypewriter Testing Apparatus and			
Tools . . . . .	103		
Test Equipment . . . . .	103		
Transmission Measuring Sets . . . . .	103		
Telemet Model Test Signal			
Generator . . . . .	103		
Telemetry			
Systems . . . . .	865		
Test Equipment . . . . .	103		
Telephone			
Answering Systems . . . . .	473		
Answering Sets . . . . .	514		
Consoles . . . . .	504, 533		
Power Plants . . . . .	167		
Repeaters (Voice Frequency) . . . . .	332		
Test Sets . . . . .	103		
Telephone Answering Sets . . . . .	514		
Telephone Answering Systems . . . . .	473		
Telephone Answering Systems and			
Equipments . . . . .	809		
Telephone Company Business Office Force			
Administration Data System . . . . .	476		
Telephone Consoles . . . . .	504		
Telephone Maintenance Radio			
Station . . . . .	400		
Telephone Set Adjuncts . . . . .	529		
Telephone Set Components . . . . .	529		
Telephone Set Field Inventory			
Controls . . . . .	680		
Telephone Sets			
300, 400, AND 5300 Series and KS			
Series For Explosive			
Atmospheres . . . . .	502		
500 Series . . . . .	852		
Automatic Dialers . . . . .	503		
Bases . . . . .	502		
Components . . . . .	501		
Customer-Owned Enclosure . . . . .	501		
Coin . . . . .	506		
Desk, Wall, and Panel Types . . . . .	503		
Explosive Atmospheres . . . . .	502		
Hand . . . . .	502		
Head . . . . .	028		
Key . . . . .	518		
Stations (See Station Sets) 300, 400,			
500, 600, 700, 1500, 1600, 1700, 2500,			
2600, 2700 . . . . .	502		
Specially-Engineered Lines . . . . .	529		
Telephone Technique . . . . .	999		
Telephone Units and Mountings For			
Customer-Owned Enclosures . . . . .	501		
Telephone Warning			
System . . . . .	480, 811, 981		
Telephotography . . . . .	314		
Telephotography Facsimile-			
Engineering . . . . .	880		

Teleprinter 1000 (KSR/RO) . . . . .	574	Teletypewriter (Continued)	
Teleprinter 5-Level Paper Tape		Testing Apparatus and Tools . . . . .	103
Punch Assembly . . . . .	574	Test Equipment . . . . .	107
Power Supply . . . . .	574	Test Distributor . . . . .	103
Reader Assembly . . . . .	574	Tape Preparation Arrangements . . . . .	570
Unit . . . . .	574	Tape Splicers . . . . .	570
Teleprinter; 43KSR Station . . . . .	574	Tools and Maintenance Supplies . . . . .	570
Teleprinters . . . . .	574	Test Sets— 1A and 1B . . . . .	103
Teletrainer . . . . .	473	Testing Equipment . . . . .	107
Teletypewriter		Testboards . . . . .	666
28 Type . . . . .	573	Word Counters . . . . .	570
30 Series . . . . .	574	Winders, Unwinders, and	
43 Teleprinter . . . . .	574	Rewinders . . . . .	570
Apparatus— Speed Regulation . . . . .	570	Television	
Apparatus— Station Maintenance and		Baseband Systems . . . . .	857
General Requirements . . . . .	570	Fundamentals . . . . .	857
Auxiliary Equipment . . . . .	570	L4, and Local Order Circuits . . . . .	201
Base (KSR and RO) . . . . .	573	Operating Centers and Associated	
Cam-Operated Distributors . . . . .	570	Equipment Units . . . . .	318
Cabinets and Tables . . . . .	570	Operating Centers . . . . .	318
Codes, Selecting . . . . .	570	RF Cable Systems . . . . .	857
Codomat . . . . .	570	Systems . . . . .	318
Cabinets . . . . .	573	Terminals . . . . .	358
Converters, Station . . . . .	570	Transmission Measuring System	
DATASPEED Services . . . . .	582	(47A) . . . . .	103
Field Maintenance Documents . . . . .	579	Terminals - T3 and R3 . . . . .	359
Field Installation Documents . . . . .	579	Tensioning and Dead Ending— Aerial	
Line Equipment . . . . .	570	Cable . . . . .	627
Miscellaneous Apparatus . . . . .	570	Tensions and Sags— Aerial Cable . . . . .	627
Multiple Transmitter Units and		Tents and Umbrellas . . . . .	081
Bases . . . . .	570	Terminal Bay Tests . . . . .	412
Motors and Motor Units . . . . .	570	Terminal Circuits . . . . .	356
Pushbutton Data Generator . . . . .	570	Terminal Circuits— Tests . . . . .	356
Station Converters . . . . .	570	Terminal Equipment Center (TEC) . . . . .	234
Speed and Code Converter . . . . .	103	Terminal Equipment Maintenance - 4	
Selective Calling Systems . . . . .	581	ESS . . . . .	234
Switching Systems . . . . .	580	Terminal Transmission Equipment	
Switchboards . . . . .	211	(TTE) . . . . .	364
Selector Magnet Driver . . . . .	570	Terminal or Branching Point— Terminal-to-	
Station Records . . . . .	570	Terminal Tests . . . . .	358
Selective Calling Systems . . . . .	581	Terminal; LMX-3 Analog Multiplex . . . . .	356
Station Space Requirements . . . . .	570	Terminal; N3 . . . . .	362
Station Tests . . . . .	570	Terminals	
Station Trouble Analysis Plans . . . . .	570	Communications Display (CDT) . . . . .	578
Subscriber Sets . . . . .	807	Closures, and Interfaces— Buried	
Selecting Codes . . . . .	570	Plant . . . . .	631
Switchboards . . . . .	807	Cable . . . . .	631
Switching Units . . . . .	807	Display, Personal, and Multi- Tasking	
Timers . . . . .	570	Graphics . . . . .	582
		FM [See FM Terminals	
		(Microwave)] . . . . .	578

Terminals (Continued)		Test Equipment (Common Usage)	807
Gas Pressure	637	Cable	106
Multiplex; Analog	356	Electron Tube Test Sets	100
Printing	578	Electrical Indicating	
Repeaters and Over-All		Instruments	100, 102
Systems	355, 358	Miscellaneous	100
Station Sets— Common Battery	502	Meters	100, 102
Voice	555	Network	100, 103
Terminating		Oscilloscopes	100
Concentrator Cable	639	Oscillographs	100
Equipment	216	Pulsing Test Sets	100
Facilities Engineering	916	Signaling Test Sets	100
Networks	103	Switching Systems	102
Sets; 4-Wire	332	Trouble Indicator Equipment	816
Sets	332	Test Sets for Timing	100
Termination Units— Station		Test Panels	100
Components	501	Wheatstone Bridge	100
Termination of Toll Circuits	853	Test Frames	817
Terminations		Test Frames and Units	814
Main Frame	636	Test Frames, Test Sets	801
Private Line	480	Test Line Directories	304
Span	365	Test Line; Remote Office (ROTL)	
Terrestrial 45 Service	314	1 and 1A ESS Switches	231
Test Cabinets	801	2/2B ESS Switches	232
Test Center Operation		3 ESS Switch	233
Automated Cable Expertise		4 ESS Switch	234
(ACE)	660	Crossbar Tandem	220
Automated Repair Service Bureau		No. 5 Crossbar	218
(ARSB)	660, 662	No. 1 Crossbar	216
Customer Telephone Stations and		Step-by-Step	226
Lines	660	Test Lines Employing 154A1 DATAPHONE®	
Cable and Open-Wire Plant	660	Subsets	314
Special Services	660	Test Lines; Transmission	103
Trunk Maintenance	660	Test Networks	103
Test Desk		Test Panels	100
Cable	662	Test Position	
Local	662	51A	234
Test Desks	801	52A	666
Test Equipment		Test Position 52A— SARTS	666
Data Systems	107	Test Positions for Special Services	666
Outside Plant	106	Test Procedures for Private Line Telegraph	
PBX	105	Switching Systems	666
Power	102	Test Sets	100
Radio	104	170A	644
Switching System	102	Lightwave	103
Station	105	Outside Plant	106
Transmission	103	Station	105
Telemetry	103	Video	103
Teletypewriter	107	Test Signal Pattern and Frequency	
Telegraph	103	Generators	107

Test Units . . . . .	801
Test and Alarm Equipments . . . . .	817
Test of Amplifiers . . . . .	360
Test of Data Services . . . . .	666
Test, Maintenance and Accounting 2, 2A, and 3 ESS . . . . .	820
Testboards	
For Special Services — Private Line, Telegraph, TWX, 17E, 19A, and 21666 . . . . .	666
For Other Than Special Services — Tandem Patching Bay, 17B/C, 18B, an664 . . . . .	664
Testboards No. 23A and B . . . . .	664
Testing Manhole Atmosphere . . . . .	620
Testing Operation Provisioning Administration System (TOPAS) . . . . .	190
Testing and Fault Location — Coaxial Cable . . . . .	634
Testing and Recent Changes . . . . .	363
Tests Using 37H FM Terminal Test Set With 37J Test Panel . . . . .	412
Text Line; Remote Office (ROTL)	
1 and 1A ESS Switches . . . . .	231
2 and 2B ESS Switches . . . . .	232
3 ESS Switch . . . . .	233
4 ESS Switch . . . . .	234
5 ESS Switch . . . . .	235
Crossbar Tandem . . . . .	220
No. 1 Crossbar . . . . .	216
No. 5 Crossbar . . . . .	218
Step-by-Step . . . . .	226
The Premier Solution . . . . .	235
Thermistor Control Sets . . . . .	103
Thermistors . . . . .	032
Through and Terminal Balance . . . . .	853
Thru Channel Unit . . . . .	362
Ticketers . . . . .	030
Tie Trunk Circuits . . . . .	311
Tie Trunks - PBX . . . . .	534
Time Assignment Speech Interpolation (TASI) . . . . .	370
Time Stamp . . . . .	030
Timer and Tone Circuits . . . . .	201
Timers . . . . .	030
Timing Circuits . . . . .	201
Timing Switches; Call . . . . .	030
Toll	
Cables . . . . .	626
Cable — Pressure Transducer Systems . . . . .	637

Toll (Continued)	
Cable Transmission Data . . . . .	304
Cable Routing - Buried Plant . . . . .	920
Circuit Design . . . . .	853
Conference Grouping Circuits — 6 Outlet Arrangement . . . . .	332
Conference Grouping Circuits . . . . .	332
Coil Cases . . . . .	643
Circuit Engineering Considerations . . . . .	853
Entrance and Intermediate Cables . . . . .	853
Facilities — Open Wire and Cable . . . . .	853
Office Considerations and Signaling . . . . .	853
Offices No. 1, 3, 5, and 6 . . . . .	211
Private Services . . . . .	660
Switching Systems No. 4 Type . . . . .	212
Switchboards No. 1, 3, 5, and 6 . . . . .	211
Systems A2 (40.8-Kilobit) Data Transmission System . . . . .	314
Testboards . . . . .	666
Terminal Equipment . . . . .	804
Tone	
Alternators and Tone Machines . . . . .	155
Machines . . . . .	155
Power Plants . . . . .	167
Supply Circuits . . . . .	201
Tools	
Coded and Noncoded . . . . .	074
Common Usage . . . . .	075
Customer Equipment . . . . .	080
Catalog Information . . . . .	074
Maintenance, Selection and Use . . . . .	075
Outside Plant . . . . .	081
Power . . . . .	076
Selection, Maintenance, Use, and Tests . . . . .	076
Switching Systems . . . . .	076
Telegraph Testing . . . . .	103
Tools and Materials . . . . .	074
Touch-Tone Calling . . . . .	801, 951
Equipment . . . . .	534
Equipment — Not Adaptable for Common Control . . . . .	227
Equipment - PBX . . . . .	809
Towers . . . . .	760
Traffic Administration . . . . .	788
Traffic Considerations . . . . .	780

Traffic Data Recording and Measuring . . . . .	252	Transmission Data (Continued)	
Traffic Engineering . . . . .	788	Equipment . . . . .	304
Traffic Management Systems . . . . .	252, 984	Insertion Loss . . . . .	304
Traffic Network Planning Procedures (TNPP) . . . . .	781	Multiple Wire . . . . .	304
Traffic Order Worksheets - 4 ESS . . . . .	234	Open Wire . . . . .	304
Traffic Register Rack - Step Office . . . . .	814	Return Loss . . . . .	304
Traffic Service Position (No. 100A) . . . . .	220	Reflection Loss . . . . .	304
Traffic Service Position and Data Equipments . . . . .	817	Systems . . . . .	304
Traffic Service Systems		Transducer Loss . . . . .	304
Automatic Intercept Systems (AIS) . . . . .	250	Transmission Equipment Identification . . . . .	795
General Descriptive Information . . . . .	984	Transmission Facilities and Lightwave Test Sets — Digital Transmission Systems . . . . .	103
Information Desks . . . . .	250	Transmission Fault Locating Set . . . . .	103
Position Trunk and Control Circuit . . . . .	250	Transmission Impairments on Television Channels . . . . .	318
Service Assistant Console Control . . . . .	250	Transmission Improvement and Range Extension Devices - Outside Plant . . . . .	902
Traffic Service Position System No. 1 and 1B . . . . .	250, 984	Transmission Lines (Radio) Performance Requirements . . . . .	801
Traffic Usage Recorder . . . . .	252	Specifications . . . . .	801
Traffic and Message Registers . . . . .	226	Waveguide . . . . .	402
Trailers, Dollies and Accessories . . . . .	649	Transmission Maintenance and Administrative Systems . . . . .	865
Training . . . . .	740	Transmission Measuring Sets Carrier-Frequency . . . . .	103
Transaction Network . . . . .	230	Specifications . . . . .	801
Transaction Network Services . . . . .	314	Voice-Frequency . . . . .	103
Transaction Terminal Sets . . . . .	502	Transmission Measuring Systems Automatic (ATMS) . . . . .	103
Transducer Loss . . . . .	304	Transmission Monitor Logging (TML) . . . . .	364
Transfer and Control Circuit . . . . .	314	Transmission Network Data . . . . .	304
Transformers . . . . .	501	Transmission Noise Testing — Central Office PBX Customer Lines . . . . .	331
Transformers — Station Set Components . . . . .	501	Transmission Performance Measurement Plans . . . . .	301
Transistor Type A/B Wire-Line Entrance Link . . . . .	357	Transmission Performance Plan General and Network . . . . .	341
Transistors . . . . .	032	Interoffice Trunks . . . . .	341
Translation Data and Recent Changes . . . . .	231	Picturephone Offices . . . . .	341
Translations . . . . .	235	Subscriber Lines . . . . .	341
Translator Analog Multiplex Terminal Mastergroup (MGT) . . . . .	356	Transmission Surveillance Systems (TSS) . . . . .	359, 422, 865
Translator Equipments . . . . .	817	Transmission Systems Analog Data . . . . .	314
Translators . . . . .	034	Carrier Frequency (See Carrier Systems) . . . . .	314
Transmission Considerations and Performance . . . . .	852	Digital . . . . .	365
Transmission Data Circuit Junction Loss . . . . .	304	Digital Data . . . . .	314
Cable . . . . .	304		
Crosstalk . . . . .	304		

Transmission Systems (Continued)			
Loop . . . . .	363	Transmitting Logic Plug-in Units . . . . .	420
Microwave Radio (See Radio) . . . . .	363	Transmitting Mastergroup Bank . . . . .	356
Program . . . . .	320	Transmitting Submastergroup Bank . . . . .	356
Undersea Lightwave . . . . .	364	Transmux . . . . .	365
Transmission Test Lines . . . . .	103	Transport Maintenance and Administration	
Transmission Test Set Coaxial		System (TMAS) . . . . .	190
Cable . . . . .	634	Tree Pruning . . . . .	620
Transmission Testing . . . . .	356	Trouble Location Methods . . . . .	330
Transmission Testing - Subscriber		Trouble Location Methods Using Voice-	
Lines/Loops . . . . .	929	Frequency Sweep Test Sets . . . . .	330
Transmission Tests . . . . .	309	Trouble Report Evaluation and Analysis Tool	
Transmission Tests—		(TREAT) . . . . .	190, 660, 824
Picturephone . . . . .	634	Trouble Reports in the Repair Service	
Transmission Zoning— Customer		Center . . . . .	660
Equipment . . . . .	500	Trunk	
Transmission and Noise Measuring		Assignment Equipments . . . . .	818
Systems . . . . .	103	Alarm, and Test Equipments . . . . .	809
Transmission and Signaling . . . . .	362	Adjustment Tables . . . . .	780
Transmission - No. 1 ESS . . . . .	824	Design . . . . .	860
Transmitter . . . . .	410	Engineering - Outside Plant . . . . .	920
Transmitter Tests . . . . .	411	Equipment . . . . .	814, 817
Transmitter Transfer Unit . . . . .	473	Equipment - PBX . . . . .	809
Transmitter Transfer Unit— Customer		Forecasting . . . . .	780
Equipment . . . . .	473	Finders . . . . .	226
Transmitter-Distributor . . . . .	574	Facilities Maintenance System	
Base Answer-Back Mechanism . . . . .	573	(TFMS) . . . . .	103
Base Assembly . . . . .	574	Group Data . . . . .	780
Multicontact . . . . .	574	Maintenance— General . . . . .	660
Mounting and Cover Assemblies . . . . .	573	Network Design . . . . .	780
Set (Single-Contact and		Operations Support Center	
Multicontact) . . . . .	573	(TOSC) . . . . .	190
Sets . . . . .	574	Outage Results Plan . . . . .	660
Transmitter-Receiver		Operations Center (TOC) . . . . .	234
Bay Tests . . . . .	410	Servicing . . . . .	780
Bay and Support Bay . . . . .	419	Studies . . . . .	901
Bays for TD-3 Microwave Radio . . . . .	411	Terminating Circuits . . . . .	404
Bays . . . . .	410, 415	Test Unit; Mini-Remote	
Equipment Tests . . . . .	409	(MINI-RTTU) . . . . .	190
Panel . . . . .	416	Transmission Maintenance Measurement	
Test Sets . . . . .	104	Plans . . . . .	301
Tests . . . . .	412	Zone Equipments . . . . .	816
Transmitters		Trunking Considerations . . . . .	780
Station . . . . .	501	Trunking Data . . . . .	780
Speakerphone . . . . .	512	Trunks and Frames - 1, 2, 2A, and 3	
Transmitting Circuits . . . . .	356	ESS . . . . .	820
Group Modulator . . . . .	356	Trunks and Trunk Circuits . . . . .	226
Modulator and Pilot Detector or Detector-		Trunks and Trunk Testing	
Squelch . . . . .	356	Equipment . . . . .	212
Supergroup Modulator . . . . .	356	Trunks - PBX . . . . .	534
		Tube Cooling System . . . . .	161



Tube Rectifier Inverter; Regulated . . . . .	161	Type N1, O, and ON Carrier Telephone Systems — Overall Channel Lineup . . . . .	362
Tube Test Sets . . . . .	103, 104	Type N2 Carrier Repeaters — Repeated High-Frequency Line . . . . .	362
Tube Test Sets and Test Data . . . . .	100	Type O Carrier Telephone System — Repeaters . . . . .	362
Tube Type Rectifiers . . . . .	802	Type O and ON Carrier Telephone Systems — Terminals and Junctions . . . . .	362
Tube Type Wire-Line Entrance Links — TH and LMX . . . . .	357	Type ON/K Carrier — Repeated High- Frequency Line . . . . .	362
Tube and Semiconductor Type Rectifiers . . . . .	802	Type Pallets for Models 28, 35 and 37 Teletypewriter Sets . . . . .	570
Tubes; Electron Station Component . . . . .	501	Type T Carrier Systems . . . . .	640
Turbine Alternators; Gas . . . . .	155	Type TTR/TRR RCA Microwave Radio . . . . .	408
Twin Channel Unit Lineup — Receiving . . . . .	362	Type TVM-1A RCA Microwave Radio . . . . .	408
Twin Channel Unit Lineup — Transmitting . . . . .	362	Type-3 Low-Voltage Hub . . . . .	312
Twist Amplifiers . . . . .	355	Types 1 and 2 — DATASPEED Tape-to- Tape System . . . . .	582
Twisted Joints Cable Splicing . . . . .	632	Types 1A1, 1B1, 1C1, 16, 18, 23, 1900, 2200, and 62A1 Closures . . . . .	633
Two-Point Private Line Telephone Systems and Circuits . . . . .	310	Types N, O, and ON Carrier Systems . . . . .	640
Type 106A Mobile Radio Selectors . . . . .	404	Typing Reperator Base (KTR and ROTR) . . . . .	573
Type 240 Amplifier . . . . .	362	Typing Reperator Cabinets, Tables, and Covers . . . . .	573
Type 41B — Base Station Receivers . . . . .	404	Typing Reperator on ROTR . . . . .	574
Type 4 — High Speed DX Type Tape Reader . . . . .	582	Typing Units . . . . .	573, 574
Type 5 — DATASPEED Tape-to-Tape System . . . . .	582		
Type J and K — Carrier and Pilot Supply . . . . .	356	<b>U</b>	
Type K Carrier Telephone Systems Common Equipment Components — Testing Procedures . . . . .	355	U1 Carrier — General Descriptive Information . . . . .	970
Type K1 and K2 Carrier Telephone Systems Terminal and Repeater Equipment Components . . . . .	355	UG Terminals . . . . .	631
Type L Carrier Systems . . . . .	640	UNICCAP (Universal Cable Circuit Analysis Program) . . . . .	856
Type L1 Carrier — Equalizing Auxiliary Repeater . . . . .	358	UNIX . . . . .	560
Type L1 Carrier — Flow Charts Showing Sections Involved in Line-Ups . . . . .	358	UNIX System . . . . .	999
Type L1 Carrier — Line-Up Of Over-All System . . . . .	358	UPS (Uninterruptible Power Systems) . . . . .	167
Type L3 Carrier — Terminals, Repeaters, and Overall System . . . . .	359	UPTACS (Utility Property Tax Analysis & Compliance System) . . . . .	193
Type MR-10 Microwave Radio . . . . .	408	USEC (Universal Services Echo Canceler) . . . . .	332
Type N and ON2 Carrier — Deviation Regulator and Adjustable Deviation Equalizer . . . . .	362	Underground Cable . . . . .	628
Type N1 and ON Carrier Repeaters — Repeated High-Frequency Line . . . . .	362	Maintenance . . . . .	628

Underground Cable (Continued)

- Placing . . . . . 628
- Removing . . . . . 628
- Sealing Ducts . . . . . 628
- Underground Conduit . . . . . 919
- Undersea Lightwave Transmission Systems . . . . . 364
- Unified Messaging Service . . . . . 585
- Uninterruptible Power Systems (UPS) . . . . . 167
- Units
  - Control for Loop Around Test Lines . . . . . 103
  - Control . . . . . 024
  - Centralized Trunk Test . . . . . 190, 824, 865
  - Data Service . . . . . 595
  - Interconnecting Service . . . . . 463
  - Local Storage . . . . . 190
  - Multiple Transmitter . . . . . 570
  - Motors . . . . . 570
  - Mini-Remote Trunk Test . . . . . 190, 226
  - Network Interface . . . . . 462
  - Remote Trunk Test . . . . . 190, 824, 865
  - Speed Reduction . . . . . 161
  - Transmitter Transfer . . . . . 473
  - Termination — Station Components . . . . . 501
- Universal Cable Circuit Analysis Program (UNICCAP) . . . . . 856
- Universal Engine Controller . . . . . 155
- Universal Services Echo Canceler (USEC) . . . . . 332
- Universal Turret/Universal Turret "PLUS" . . . . . 555
- Universal Wire Lines Entrance Link . . . . . 357
- Unwinders . . . . . 570
- Upkeep — Outside Plant
  - Cable . . . . . 644, 930
  - Pole Line . . . . . 930
  - Structures . . . . . 644
- Urban Wire Transmission Data . . . . . 304
- User's Manuals — 1A ESS Switch . . . . . 231
- Users' Manuals — Batch Runs . . . . . 756
- Using E-Type SF Signaling Units . . . . . 332
- Using MM System Control Terminal . . . . . 403
- Utility Property Tax Analysis & Compliance System (UPTACS) . . . . . 193

V

- V1 Type Repeaters . . . . . 332
- V3 Type Repeaters . . . . . 332
- V4 Telephone Repeaters . . . . . 852
- V4 Type Repeaters . . . . . 332
- VCS (Virtual Circuit Switch) . . . . . 255
- VCS LAN . . . . . 255
- VDM (Voice Data Multiplexer) . . . . . 255
- VF Amplifier . . . . . 404
- VF Amplifier Unit . . . . . 362
- VF Repeaters and VF Maintenance . . . . . 801
- VF Service Channel For REL 756J Equipment . . . . . 408
- VHF/UHF Antennas . . . . . 402
- VP1NO1/02 Portable Television . . . . . 408
- VX1NO4/05 Fixed Television . . . . . 408
- Vacuum Tube Microphonic Noise Tests . . . . . 320
- Valves, Flanges and Ells . . . . . 637
- Varistors . . . . . 032
- Vaults; Cable . . . . . 622
- Vehicles; Motor . . . . . 720
- Vehicles — Tools and Materials . . . . . 620
- Ventilating Equipment . . . . . 161
- Via Net Loss Factors . . . . . 304
- Video
  - Amplifier — Tests . . . . . 410
  - Coaxial Cable Terminals . . . . . 631
  - Cable Splicing . . . . . 632
  - Distribution Amplifier . . . . . 340
  - Distortion Meter (9A) . . . . . 103
  - Frequency Oscilloscope . . . . . 103
  - Monitor . . . . . 103
  - Monitor Amplifier . . . . . 410
  - Monitoring Probe (3A) . . . . . 103
  - Pilot Supply and Distribution Circuit . . . . . 410
  - Switches . . . . . 318
  - Terminals . . . . . 632
  - Transmission . . . . . 940
  - Telephone Stations . . . . . 518, 530
  - Teleconferencing . . . . . 481
  - Test Sets . . . . . 103
  - Transmission Systems . . . . . 857
  - Visual Gain and Delay Distortion Measuring Set — 36-Type . . . . . 103
  - Visual Test Set . . . . . 103
  - Violation Pulse Monitor . . . . . 422
  - Virtual Circuit Switch (VCS) . . . . . 255

Visual Delay Test Sets . . . . . 104

Visual MAAP . . . . . 585

Visual Transmission Measuring Set . . . . . 103

Vogad (A-1) . . . . . 403

Vogads - B1 and B2 . . . . . 404

Voice Customer Access System . . . . . 660

Voice Data Multiplexer (VDM) . . . . . 255

Voice Frequency

    Consolidated Equipment

        Arrangements . . . . . 332

        Circuit Plug-in Units . . . . . 420

        Carrier Data Systems . . . . . 880

        Carrier A1 Level Variation

            Detector . . . . . 312

            Facilities . . . . . 320

            Subassembly Tests . . . . . 361

            Telephone Repeater Test Sets . . . . . 103

            Transmission Measuring Sets . . . . . 103

Voice Grade Special Service Circuits . . . . . 314

Voice Messaging Systems . . . . . 585

Voice and Voiceband Data Channels . . . . . 313

Voice-Controlled Switch — Customer

    Equipment . . . . . 463

Voice-Controlled Switch . . . . . 463

Voice-Frequency

    Consolidated Equipment

        Arrangements . . . . . 332

        Telephone Repeater Test Sets . . . . . 103

        Transmission Measuring Sets . . . . . 103

        Telephone Repeaters . . . . . 332

Voiceband

    Access Service — Transmission Test

        Requirements and Limits . . . . . 313

    Baseline Service, Total Service,

        Coordinated Service, and Access

        Service — Transmission Test

        Requirements and Limits . . . . . 313

    Data Channels . . . . . 313

    Data Systems - Engineering . . . . . 880

    Impulse Counters — Single

        Level . . . . . 103

    Multiport Split Bridge With Gain,

        Equalization and Test Access . . . . . 314

    Noise Measuring Sets —

        Multilevel . . . . . 103

Volt and Ohm Meters . . . . . 106

Voltage Regulator with Alternator . . . . . 155

Volume Limiter for Special Services . . . . . 310

Volume Measurements . . . . . 320

**W**

W Series Digital Microwave Radio . . . . . 421

WATS (Wide Area Telecommunications

    Service) . . . . . 780

WIPs (Workcenter Information

    Packages) . . . . . 365, 462, 638, 640, 644

WLR-1, -2, -3, -4, and -5 Wideband Loop

    Repeaters . . . . . 314

WRR (Wideband Regenerative

    Repeater) . . . . . 314

Wandel-Goltermann Transmission Measuring

    Systems . . . . . 103

Wandel-Goltermann Transmission Test

    Set . . . . . 103

Warning Device . . . . . 081

Warning System

    1A Telephone . . . . . 480, 811

    Civil Defense . . . . . 480

    General Descriptive Information . . . . . 981

Warning - Civil Air Defense System . . . . . 801

Wave Shape Characteristics . . . . . 874

Wave Shape Data - Power Supply . . . . . 874

Waveguide . . . . . 402

    Outdoor . . . . . 402

    Pressure Systems . . . . . 161

    Systems . . . . . 940

Western Union Contracts . . . . . 312

Westinghouse MS Amplifier . . . . . 403

Wheatstone Bridge . . . . . 100

Wheatstone Bridge — Cable Fault

    Location . . . . . 634

Wideband

    Data Systems . . . . . 880

    Data Terminals . . . . . 365

    Data Test Bay . . . . . 314

    Data Transmission Systems . . . . . 314

    Loop Repeaters (WLR) . . . . . 314

    Mobile Test Bay . . . . . 103

    Noise Measuring Set . . . . . 103

    Oscillator . . . . . 103

    Power Meter . . . . . 103

    Regenerative Repeater (WRR-1),

        J70174 . . . . . 314

    Service Bay . . . . . 314

    Station Using Data Set 303-Type . . . . . 593

    Station Using Data Set 306 Point-To-

        Point . . . . . 593

    Test Termination . . . . . 103

    Terminals . . . . . 362

Winches . . . . . 649  
Winders, Unwinders, and Rewinders . . . . . 570  
Wire  
    Armored Cables . . . . . 626  
    Arrangement . . . . . 632  
    Buried . . . . . 629  
    Circuits . . . . . 201  
    Cable Spans . . . . . 919  
    Drop and Block . . . . . 462  
    Inside . . . . . 461  
    Line Entrance Links . . . . . 357  
    Multiple Line . . . . . 624  
    Maintenance . . . . . 462  
    Open . . . . . 623  
    Rope . . . . . 649  
    Regulators; Pilot . . . . . 332  
Wire-Line Entrance Links . . . . . 357  
Wire-Line Entrance Links - Microwave Radio  
    Engineering . . . . . 940  
Wireless Telecommunications  
    Systems . . . . . 401  
Wiring . . . . . 069  
    Access Points . . . . . 462  
    Cabling . . . . . 800  
    Diagrams . . . . . 005  
    Symbols . . . . . 005  
    Serving Area Connector . . . . . 462  
    Terminals . . . . . 462  
Wiring and Cabling (Customer Equipment)  
    Connecting and Matrix Blocks . . . . . 461  
    Conduits, Raceways, and Overfloor  
        Ducts . . . . . 461  
    Inside Wire and Inside Wire  
        Cable . . . . . 461  
        Jacks . . . . . 461  
        Plugs . . . . . 461  
        Terminals . . . . . 461  
Woodwork and Metalwork . . . . . 800  
Word Counters . . . . . 570  
Word Generator . . . . . 314  
Work Location Distribution . . . . . 744  
Work Order Record and Details . . . . . 682  
Work Prints - Outside Plant . . . . . 928  
Workcenter Information Packages  
    (WIPs) . . . . . 638, 640, 644  
Workstations . . . . . 255  
Wrapped Cable Closures . . . . . 633  
Wrapped Joints . . . . . 633  
Wrapping Splice . . . . . 632

**X**

X-75948 Voiceband Gain and Phase Hit  
Counter . . . . . 103

**1**

1 ESS Equipments Arranged with 4-Wire  
Features . . . . . 820  
1 ESS Equipments Arranged with Data  
Features . . . . . 820  
1 ESS Switching Networks . . . . . 820  
1 ESS System Control . . . . . 820  
1 ESS Test, Maintenance, and  
Accounting . . . . . 820  
1 Packet Switching System (1PSS) . . . . . 255  
1 and 1A ESS Switches . . . . . 231  
1,000-Cycle Machines — KS-5472 . . . . . 103  
1-Type Translators . . . . . 034  
1.544 MB/S Digital Service . . . . . 314  
1/1A ESS Offices With HILO 4-Wire  
Switching . . . . . 660  
1/1A ESS Switching Offices . . . . . 660  
10-Type Data Line Concentrator System  
(DATREX\*) . . . . . 591  
100 Series Power Plant . . . . . 167  
100-Type Power Plant . . . . . 802  
100A Protection Switching  
System . . . . . 420, 422  
100A Teletypewriter Test Distributor . . . . . 103  
101 Control Unit . . . . . 240  
101 ESS Descriptive Information . . . . . 966  
101 ESS Switch . . . . . 240  
101 Switch Units . . . . . 240  
101 Type Power Plants . . . . . 167  
101A and 101B-Type Data Sets . . . . . 591  
101C-Type Data Sets . . . . . 591  
101E-Type Data Sets . . . . . 591  
103A-Type Data Sets . . . . . 591  
103B-Type Data Sets . . . . . 591  
103C-Type Data Sets . . . . . 591  
103E-Type Data Sets . . . . . 591  
103F-Type Data Sets . . . . . 591  
103G-Type Data Sets . . . . . 591  
103H-Type Data Sets . . . . . 591  
103J-Type Data Sets . . . . . 591  
103JR-L1/2 Data Sets . . . . . 591  
105-Type Cable Terminals . . . . . 631  
105A- and 105B-Type Data Sets . . . . . 591

105C-Type Data Sets . . . . .	591	17E and 19A Testboards . . . . .	666
108A and 108C-Type Data Sets . . . . .	591	181A Portable Test Set . . . . .	155
108D- and 108E-Types Data Sets . . . . .	591	197A and 197B Repeating Coils . . . . .	103
108F and G Data Sets . . . . .	591	19A Testboard . . . . .	666
108H and J Data Sets . . . . .	591	1A Key Telephone System . . . . .	518
109A-Type Data Sets . . . . .	591	1A Artificial Cable Kit . . . . .	103
109C-Type Data Sets . . . . .	591	1A Compandor . . . . .	332
109D-Type Data Sets . . . . .	591	1A Data Station . . . . .	591
109E-Type Data Sets . . . . .	591	1A ESS . . . . .	820
109F-Type Data Sets . . . . .	591	1A Harmonic Distortion Measuring System . . . . .	103
109H-Type Data Sets . . . . .	591	1A High Speed Selection Calling System . . . . .	592
10A Alerting System . . . . .	480	1A Home Interphone Systems . . . . .	512
10A Telegraph Testboard . . . . .	666	1A Line Concentrator . . . . .	660
10A and 10B Data Line Concentrator . . . . .	591	1A Processor (1A ESS™ and 4 ESS Switches) . . . . .	254
10A, 10B, and 20A Coinless Telephone Sets . . . . .	506	1A Processor (Equipment) . . . . .	254
10B Telegraph Testboard . . . . .	666	1A Protective Relaying Terminal . . . . .	851
10C Telegraph Testboard . . . . .	666	1A Radio Digital System Digroup Connector . . . . .	357
11 GHz Systems - Microwave Radio Engineering . . . . .	940	1A Switch Unit . . . . .	240
110-Type Multiple Sender for Teletypewriter Test Signals . . . . .	103	1A Telephone Warning System . . . . .	480
110A Key Equipment . . . . .	314	1A and 1A1 Speakerphone Systems . . . . .	512
112A Key Equipment— SAGE Systems and SAC Main Operating Base Turret . . . . .	480	1A and 1B Code Calling Systems . . . . .	473
112A-Type Data Sets . . . . .	591	1A-RDS (1A Radio Digital System)— Description . . . . .	356
113-Type Data Station . . . . .	591	1A/1B NCP (No. 1A and 1B Network Control Point) . . . . .	256
113A-Type Data Sets . . . . .	591	1A1 Key Telephone System . . . . .	518
113AR-L1B Data Sets . . . . .	591	1AJ 1F Detector (TE) . . . . .	104
113AR-L1C Data Sets . . . . .	591	1ANCP Product Documents for NSD . . . . .	256
113B-L1-Type Data Sets . . . . .	591	1AP Transmission Comparing Set . . . . .	103
113C Data Sets . . . . .	591	1C Discrete Calling Generator . . . . .	592
113CR-L1A/2 Data Sets . . . . .	591	1D/2D Coin Telephone Set . . . . .	506
113D Data Sets . . . . .	591	1ESS™ Descriptive Information . . . . .	966
113DR-L1/2 Data Sets . . . . .	591	1NCP Support Software . . . . .	256
114A-Type Data Sets . . . . .	591	1PSS (1 Packet Switching System)— Operation, Maintenance, and Features . . . . .	255
115A-Type Data Sets . . . . .	591	1PSS Feature Documents . . . . .	255
11A Alerting System . . . . .	480	1PSS— Administration and Engineering . . . . .	255
12A, 21A, 21B, 50A, 50B, 60A, 60B, 90A, 90B 91A, 93A Customer Premises . . . . .	533	1X1 Protection Switching System . . . . .	420
14A Announcement System . . . . .	201	1xN Frequency Diversity— Operation and Maintenance— Maintenance Support . . . . .	421
150 MC Radio Paging System . . . . .	407		
150 MC Transmitters and Receivers . . . . .	404		
1600 Series Call Director Sets . . . . .	502		
1600 Series Card Dialers . . . . .	502		
165-Type Test Sets . . . . .	103		
16A Modulator . . . . .	420		
17B Toll Testboard . . . . .	666		
17E Testboard . . . . .	666		

2

2 ESS Switch Only . . . . . 232

2 KC and 10 KC Standard Frequency Supply  
Circuit . . . . . 356

2, 2A, and 3 ESS . . . . . 820

2-TYPE ACD . . . . . 476

2-Type Plastic Closure, Types 50 and  
51 . . . . . 633

2-Wire Centrex CO (Attendant Equipment  
Only) . . . . . 540

2-Wire— 1 ESS Switch . . . . . 231

2-Wire— 1A ESS Switch . . . . . 231

2.08-MHz Frequency Supply Circuit . . . . . 356

2/2B ESS Switches . . . . . 232

200-Type Power Plant . . . . . 802

200A Data Control Unit . . . . . 592

200A Protection Switching System . . . . . 420

200B Protection Switching System . . . . . 357

201A and B Type Data Sets . . . . . 592

201C Data Station . . . . . 592

201C-Type Data Sets . . . . . 592

201CR-L1C Transmitter-Receiver— Single  
Set . . . . . 592

201D-Type Data Sets . . . . . 592

202A-Type Data Sets . . . . . 592

202B-Type Data Sets . . . . . 592

202C-Type Data Sets . . . . . 592

202D-Type Data Sets . . . . . 592

202E-Type Data Sets . . . . . 592

202G-Type Data Sets . . . . . 592

202H-Type Data Sets . . . . . 592

202M-Type Data Sets . . . . . 592

202R-Type Data Sets . . . . . 592

202S Data Station . . . . . 592

202S-Type Data Sets . . . . . 592

202SR Transmitter-Receiver— Single  
Set . . . . . 592

202T Data Station . . . . . 592

202T-Type Data Sets . . . . . 592

203A-, B-, and C-Type Data Sets . . . . . 592

205-Type Data Sets . . . . . 592

207-Type Data Sets . . . . . 592

208A-Type Data Sets . . . . . 592

208B-Type Data Sets . . . . . 592

208BR-L1C Transmitter-Receiver . . . . . 592

209A-Type Data Sets . . . . . 592

20A TWX . . . . . 666

20A and 20B Variable Waveguide Attenuator  
(TH-1) . . . . . 104

2100A Data Control Unit . . . . . 592

212AR-L1A/2A Data Sets . . . . . 592

21A Testboard . . . . . 666

22 Type Repeaters . . . . . 332

2200A Data Control Unit . . . . . 592

23-Type Transmission Measuring  
Sets . . . . . 103

24-Volt AC-DC Supply and Fuse Distributing  
Circuit . . . . . 356

2600 Series Call Director Sets . . . . . 502

2600 Series Call Director Sets and Card  
Dialers . . . . . 502

2600 Series Card Dialers . . . . . 502

29-Type Cable Terminal Cabinets . . . . . 631

291A Test Oscillator . . . . . 104

2A Code Calling System . . . . . 473

2A Communication System . . . . . 512

2A Farm Interphone Systems . . . . . 512

2A IF Restoration Switch . . . . . 371

2A Pilot Indicator . . . . . 103

2A Switch Unit . . . . . 240

2A Toll Test Unit . . . . . 103

2A, 2B Key Telephone Systems . . . . . 518

2J Repeater Test Set . . . . . 103

2K Tube Test Set . . . . . 103

2M Switching Set for N1 and ON Repeaters  
and N2 Repeaters With N2/N1  
Adapters . . . . . 103

2N Group Unit Switching Set . . . . . 103

2P Tube Test Set . . . . . 103

3

3 Crossbar . . . . . 218

3 ESS Switch . . . . . 233

3 ESS Switch (Peripheral  
Equipment) . . . . . 233

3 ESS Switch— General  
Description . . . . . 233

3-Type FM Terminal . . . . . 420

3-Type FM Terminal— J68381DL  
Amplifier-Limiter . . . . . 420

3-Type FM Terminal— J68383C or  
J68383P Deviator . . . . . 420

3-Type FM Terminal— J68383D Control  
Unit . . . . . 420

3-Type FM Terminal— J68383E IF Main  
Amplifier . . . . . 420

3-Type FM Terminal— J68383F Baseband  
Amplifier . . . . . 420

3-Type FM Terminal — J68383G Monitor Unit . . . . .	420	3A Wire-Line Entrance Link and Broadband Entrance Links and Interconnection . . . . .	357
3-Type FM Terminal — J68383J and J68383U Discriminator Baseband . . . . .	420	3A-RDS (Radio Digital System) . . . . .	417
3-Type FM Terminal — J68383L Limiter-Amplifier . . . . .	420	3AF Deviation Regulator Test Set . . . . .	103
3-Type Speakerphone Systems . . . . .	512	3B Call Management System (CMS) . . . . .	585
300, 301, 302, 303, 305, 307, 308, 309, 310 and 311-Type Main Frame Connectors . . . . .	636	3B FM Receiver . . . . .	412
300-Type Power Plant . . . . .	802	3B FM Terminal — J68383S Control Unit . . . . .	420
300A Protection Switching System . . . . .	420	3B FM Transmitter . . . . .	412
301B-Type Data Sets . . . . .	593	3B Processor . . . . .	254
303-Type Data Sets . . . . .	593	3B2 System . . . . .	555
305-Type Data Sets . . . . .	593	3B20D Computer (Model 1) . . . . .	254
306-Type Data Sets . . . . .	593	3B20D Computer Software Documentation . . . . .	254
308-KHz Synchronizing Frequency Amplifier . . . . .	356	3B20D Computers (Models 2 and 3) . . . . .	254
308-kHz Frequency Comparator Circuit . . . . .	356	3B5 Applications Processor . . . . .	585
326-Type Power Plant . . . . .	167	3BD Switching Set for N1A Repeaters and N2 Repeaters in N2/N1A Adapters . . . . .	103
3270 Data Modules . . . . .	555		
33A Oscillator . . . . .	104	<b>4</b>	
35 Controlmatic Teletypewriter Data Stations . . . . .	591	4 ESS . . . . .	820
35 MC Radio Paging System . . . . .	407	4 ESS Switch . . . . .	234
35 MC Transmitters and Receivers . . . . .	404	4 ESS™ Offices . . . . .	660
35-E-97 Community Dial Offices . . . . .	225	4-GHZ Systems - Microwave Radio Engineering . . . . .	940
350A Step-By-Step Offices . . . . .	225	4-Type Closures . . . . .	633
355A Community Dial Offices . . . . .	225	4-Type FM Receiver . . . . .	420
356A Community Dial Offices . . . . .	225	4-Type FM Terminals . . . . .	420
360A Step-By-Step Offices . . . . .	225	4-Type FM Transmitters . . . . .	420
375A and 375B Community Dial Offices . . . . .	225	4-Wire . . . . .	218
3A Central Control . . . . .	801	4-Wire Circuits, No. 3, and No. 5A Crossbar . . . . .	218
3A Code Call Unit . . . . .	951	4-Wire Extension . . . . .	332
3A Code Calling System . . . . .	473	4-Wire Private Line Terminating Circuits . . . . .	480
3A Communication System . . . . .	512	4-Wire Terminating Sets and Precision Balancing Networks . . . . .	332
3A FM Receiver . . . . .	420	4-Wire — 1 ESS Switch . . . . .	231
3A FM Terminal — J68383H Limiter-Amplifier . . . . .	420	4-kHz Harmonic Generator . . . . .	356
3A FM Transmitter . . . . .	420	40-Type Carrier Systems . . . . .	312
3A Processor . . . . .	254	40-Type Carrier Telegraph Systems . . . . .	312
3A Processor (Common Systems) . . . . .	254	400-Type Power Plant . . . . .	802
3A Processor Software Documentation . . . . .	254	400A Protection Switching System . . . . .	420, 422
3A Processor and 3B20D Computers . . . . .	254	400B Protection Switching System . . . . .	420
3A Switch Unit . . . . .	240	400D Protection Switching System . . . . .	420
3A Wire-Line Entrance Link . . . . .	357	400H Protection Switching System . . . . .	420
		401A Type Data Sets . . . . .	594
		401B Protection Switching System . . . . .	420

401B and D Type Data Sets . . . . .	594
401E Type Data Sets . . . . .	594
401F Type Data Sets . . . . .	594
401H Protection Switching System . . . . .	420
401H Type Data Sets . . . . .	594
401J Type Data Sets . . . . .	594
401M-Type Data Sets . . . . .	594
402A Type Data Sets . . . . .	594
402B Type Data Sets . . . . .	594
402C Type Data Sets . . . . .	594
402D Type Data Sets . . . . .	594
403A Type Data Sets . . . . .	594
403D-Type Data Sets . . . . .	594
403E-Type Data Sets . . . . .	594
404A Type Data Sets . . . . .	594
404A, 404B, 404C, and 404D Dial Tone Generators . . . . .	155
404B1 Type Data Sets . . . . .	594
404F Audible Ring Tone Generator . . . . .	155
405-Type Data Sets . . . . .	594
406A Tone Generator . . . . .	314
407-Type Data Sets . . . . .	594
407CR Data Sets . . . . .	594
407CR Multiple Data Station . . . . .	594
4139-kHz Reference Frequency Supply . . . . .	356
415A Power Plant . . . . .	167
43-Type Carrier Telegraph Systems . . . . .	312
435 Plotter . . . . .	582
43A1 Carrier Telegraph System . . . . .	312
43B1 Data Carrier System . . . . .	312
44 Type Repeaters . . . . .	332
4410 Display Terminal . . . . .	582
4415 Display Terminal . . . . .	582
4418 Display Terminal . . . . .	582
4425 Display Terminal . . . . .	582
443 Printer . . . . .	582
4430 KD Stations On-Line . . . . .	582
445 Printer . . . . .	582
447 Printer . . . . .	582
450 Printer . . . . .	582
4500 Cabinets, Tables, and Facilities . . . . .	582
4540 Station Arrangements . . . . .	582
455 ASF 1 Bin Printer . . . . .	582
457/458 Printer . . . . .	582
460 Printer . . . . .	582
470 Series Printer . . . . .	582
478 and 479 Printers . . . . .	582
47B Sending Unit . . . . .	103

47C Receiving Unit . . . . .	103
48230 Local Area Data Set . . . . .	592
49-Type Cable Terminals . . . . .	631
4A Frequency Analyzer . . . . .	103
4A Switch Unit . . . . .	240
4A-Type Speakerphone System . . . . .	512

5

5 ESS Switch . . . . .	235
500 BCT (Business Communications Terminal) . . . . .	582
500 Series PBXs . . . . .	809
500 and 600 Series Private Branch Exchanges . . . . .	809, 981
500-Type Power Plant . . . . .	802
505 Personal Terminal . . . . .	582
510 Personal Terminal . . . . .	582
510D-R2 Terminal . . . . .	582
513 BCT (Business Communications Terminal) . . . . .	582
515 BCT (Business Communication Terminal) . . . . .	582
52-Type ATMS (Automatic Transmission Measuring System) . . . . .	103
520-Type PBX . . . . .	473
520-kHz Harmonic Generator Circuit . . . . .	356
523A/524A Power Plant . . . . .	167
5305 Printer . . . . .	582
5310 and 5320 Printers . . . . .	582
5310T and 478T Printers . . . . .	582
551 ( )-Type Channel Service Unit . . . . .	314
554A-Type Channel Service Unit . . . . .	314
558A PBX . . . . .	536
559A Communication Package . . . . .	536
5620 Terminal . . . . .	582
58-Type Echo Suppressors Measuring System J68658 . . . . .	103
593 Lazer Printer . . . . .	582
5A Crossbar . . . . .	218
5A FM Terminal BB Modem . . . . .	420
5A FM Terminal IF Deviation Shifter . . . . .	420
5E2 Software Release . . . . .	235
5E3 Software Release . . . . .	235
5E4 Software Release . . . . .	235
5E5 Software Release . . . . .	235
5E6 Software Release . . . . .	235
5E7 Software Release . . . . .	235
5ESS E 9-1-1 Service . . . . .	533
5ESS Switch . . . . .	820



5ESS® Switch — Teleconferencing  
 Equipment NJ00518 . . . . . 481  
 5M Channel Unit Test Stand . . . . . 103

**6**

6-Digit Translation Equipments . . . . . 816  
 6-GHZ Systems - Microwave Radio  
 Engineering . . . . . 940  
 600 Series Call Director Sets . . . . . 502  
 600 Series Card Dialers . . . . . 502  
 600 Series PBXs . . . . . 809  
 600 Series Power Plant . . . . . 167  
 600-Type Power Plant . . . . . 802  
 600/1500 Cycle Selective Signaling  
 System . . . . . 310  
 601 Type Data Sets . . . . . 596  
 602A Type Data Sets . . . . . 596  
 602B Type Data Sets . . . . . 596  
 602C Type Data Sets . . . . . 596  
 602D Type Data Sets . . . . . 596  
 603A Type Data Sets . . . . . 596  
 603B Type Data Sets . . . . . 596  
 603D Type Data Sets . . . . . 596  
 604A Type Data Sets . . . . . 596  
 604B-Type Data Sets . . . . . 596  
 604E-Type Data Sets . . . . . 596  
 605 Business Communications  
 Terminal . . . . . 582  
 6077A Test Set . . . . . 103  
 60B Customer Premises System — Phase 2  
 ACD-ESS . . . . . 533  
 610/615 Terminals . . . . . 582  
 620 Multi-Tasking Graphics Terminal . . . . . 582  
 630 Multi-Tasking Graphics Terminal . . . . . 582  
 64-KHz Frequency Comparator  
 Circuit . . . . . 356  
 64-kHz Synchronizing Frequency  
 Amplifier . . . . . 356  
 64-kHz and 308-kHz Generator  
 Circuit . . . . . 356  
 6571 and 6572 Printers . . . . . 582  
 6A Key Telephone System . . . . . 518  
 6A Automatic Station Test Circuit For Private  
 Line Telegraph . . . . . 103  
 6A Distributor . . . . . 103  
 6A Teletypewriter Switchboard . . . . . 211  
 6B Key Telephone System . . . . . 518

**7**

700 Series PBXs (Private Branch  
 Exchange) . . . . . 809, 981  
 700 Series Step-By-Step and Crossbar Type  
 PBXs . . . . . 540  
 700-Type Power Plant . . . . . 802  
 700C And 710C PBX — (Dial  
 Equipment) . . . . . 541  
 700C And 710C PBX — (Manual  
 Switchboard And Dial Equipment) . . . . . 541  
 700C PBX — (Manual Switchboard) . . . . . 541  
 702A PBX . . . . . 543  
 71A Frequency-Power Meter . . . . . 104  
 740-Type PBX . . . . . 546  
 740A, 740B, and 740AX PBXs . . . . . 546  
 740E PBX . . . . . 546

**8**

800 Series PBXs . . . . . 809  
 800 Series PBXs (Private Branch  
 Exchange) . . . . . 809, 981  
 800 Series Ringing and Tone Plant . . . . . 167  
 800-Type Power Plant . . . . . 802  
 801A PBX . . . . . 553  
 801A Type Auxiliary Equipment . . . . . 598  
 801C Type Auxiliary Equipment . . . . . 598  
 801CR Auxiliary Equipment . . . . . 598  
 803A Type Auxiliary Equipment . . . . . 598  
 803E1 Auxiliary Equipment . . . . . 598  
 804A-Type Auxiliary Equipment . . . . . 598  
 804B-Type Auxiliary Equipment . . . . . 598  
 804C-Type Auxiliary Equipment . . . . . 598  
 804E-Type Auxiliary Equipment . . . . . 598  
 804G Type Auxiliary Equipment . . . . . 598  
 804J-Type Auxiliary Equipment . . . . . 598  
 804K Type Auxiliary Equipment . . . . . 598  
 804L Type Auxiliary Equipment . . . . . 598  
 804M Type Auxiliary Equipment . . . . . 598  
 804N Auxiliary Equipment . . . . . 598  
 804P Auxiliary Equipment . . . . . 598  
 804R Auxiliary Equipment . . . . . 598  
 804T Auxiliary Equipment . . . . . 598  
 805A PBX . . . . . 553  
 806A-Type Auxiliary Equipment . . . . . 598  
 806B-Type Auxiliary Equipment . . . . . 598  
 806C (with 820B5 and CPT and ESS-ADF)  
 Auxiliary Equipment . . . . . 598

806D Auxiliary Equipment . . . . .	598	8A1 and 8B1 Data Selective Calling—	
806E Auxiliary Equipment . . . . .	598	Station Sets . . . . .	581
809B-Type Auxiliary Equipment . . . . .	598		
81-Type Teletypewriter Switching		<b>9</b>	
Systems . . . . .	580	900-Type— Diesel Power Plants . . . . .	802
811B-Type Auxiliary Equipment . . . . .	598	900-Type— Engine Alternator	
811D Type Auxiliary Equipment . . . . .	598	Plants . . . . .	802
811F Auxiliary Equipment . . . . .	598	900-Type— Gasoline Power Plants . . . . .	802
811G-L1 Auxiliary Equipment . . . . .	598	900-Series DSX (Digital Signal	
811H-L1 Auxiliary Equipment . . . . .	598	Cross-Connect) Frame System . . . . .	365
811J-L1 Auxiliary Equipment . . . . .	598	904A, B, C, and D Data Test	
812A PBX . . . . .	553	Centers . . . . .	668
816-Type Auxiliary Equipment . . . . .	598	904E Data Test Center . . . . .	668
819A-Type Auxiliary Equipment . . . . .	598	904G-, H-, and L-Type Data Test	
820A- and B-Type Auxiliary		Centers . . . . .	668
Equipment . . . . .	598	9100 Teletypewriter Selective Calling	
820C-Type Auxiliary Equipment . . . . .	598	Services/Systems Description . . . . .	581
820D Type Auxiliary Equipment . . . . .	598	9100 Teletypewriter Selective Calling	
820E-Type Auxiliary Equipment . . . . .	598	Stations . . . . .	581
820G (Includes 804N5 and 804R5) Auxiliary		92/468 kHz Supply . . . . .	371
Equipment . . . . .	598	96 Channel Multiplex Units . . . . .	361
820J-Type Auxiliary Equipment . . . . .	598	97A Test Set . . . . .	103
820K Through Z Series Auxiliary			
Equipment . . . . .	598		
821-Type Auxiliary Equipment . . . . .	598		
824A1 and B1 DAS (Data Recognizer)—			
D.S. 303 Auxiliary Equipment . . . . .	598		
828A and 828C Auxiliary Equipment . . . . .	598		
828D Auxiliary Equipment . . . . .	598		
829-Type Auxiliary Equipment . . . . .	598		
830 Through 839 Series Auxiliary			
Equipment . . . . .	598		
83A Test Set . . . . .	104		
83B Type Teletypewriter Selective Calling			
System . . . . .	581		
83nF/M Conductor Cables . . . . .	626		
850A PBX . . . . .	553		
85A Data Selective Calling Service—			
System . . . . .	581		
85A1 and 85A2 Data Selective Calling			
System— Outlying Station . . . . .	581		
86 Type Data Selective Calling			
Service . . . . .	581		
88-KHz Program Carrier . . . . .	356		
8A1 Data Selective Calling System— Line			
Controller . . . . .	581		
8A1 Selective Calling Systems— 9140			
Station Controller . . . . .	581		
8A1 and 8B1 Data Selective Calling			
System . . . . .	581		

### 3. Master Numerical Index — 9-Digit Plan — All Divisional Indexes

	Number	Issue	Subject	Number	Issue	Subject
				030-000-000	--	Calculagraphs, Call Timing Switch, Cameras, Clocks, Counters, Photo Processors, Registers, Selector Multiple Designation Cards, Switches, Tape Printers, Ticketers, Timers, and Time Stamp
				032-000-000	--	Capacitors, Connectors, Cards, Cord Reels, Diodes, Drops, Jacks, Keys, Lamps, Plugs, Resistors, Signals, Sockets, Thermistors, Transistors, and Varistors
<b>000-/019- General Information</b>				034-000-000	--	Distributors, Regenerators, and Regenerative Repeaters for Teletypewriter Service — AMA Tape Reels/Reeler, Cleaning Cabinet, Perforators, Readers, Recorder/Reproducers, Tape Announcing Machine, and Translators
	000-000-000	--	Documentation — General Information and Specifications	040-000-000	--	Relays
	■ 002-000-000AC	--	Administrative Practices			
	005-000-000	--	Abbreviations, Definitions, Drawings, Requirement Tables, Specifications, and Symbols			
	006-000-000	--	Graphic Media Systems and Standards			
	007-000-000	--	Information Systems			
	010-000-000	--	General Methods			
	015-000-000	--	Customer Product Information — General, Marketing, Etc. and Services			
	019-000-000	--	Educational Material and Services — CEC, Dublin, Hickory Ridge, Etc.			
<b>020-/021- Common</b>						
	020-000-000	--	General Information			
<b>022-/049- Apparatus</b>						
	024-000-000	--	Amplifiers, Controllers, Control Units, Regulators, and Electron Tubes			
	026-000-000	--	Circuit Breakers, Compensators, Contactors, Control Panels, Fuses and Mountings, Magnetic Switches, Selectors, and Starters			
	028-000-000	--	Autotransformers, Bells, Buzzers, Dials, Dial Adapters and Mountings, Gongs, Head Telephone Sets, Headsets, Potentiometers, Rheostats, Ringers, and Sounders			
				<b>056-/069- Miscellaneous Equipment, Materials, Circuits, and Methods</b>		
				065-000-000	--	Miscellaneous Equipment and Materials
				067-000-000	--	Concentrators
				069-000-000	--	Apparatus and Equipment Cabling, Wiring, Cleaning, Treating, Etc. — Methods
				<b>074-/099- Tools and Gauges</b>		
				074-000-000	--	Catalogue Information — Tools
				075-000-000	--	Tools and Materials (Common Usage) — Maintenance, Selection, and Use
				076-000-000	--	Tools and Materials — Switching Systems and Power — Maintenance, Selection, and Use
				080-000-000	--	Tools and Materials — Customer Equipment
				081-000-000	--	Tools and Materials — Outside Plant
				084-000-000	--	Catalogue Information — Gauges — Electrical Indicating Instruments and Meters
				085-000-000	--	Gauges (Common Usage) — Maintenance, Selection, and Use

Number	Issue	Subject	Number	Issue	Subject
<b>100-/109- Test Equipment</b>			<b>179- Signaling Equipment</b>		
100-000-000	--	Test Equipment, Electrical Indicating Instruments and Meters (Common Usage) — Maintenance, Selection, and Use	179-000-000	--	Signaling Circuits and Associated Ringer Circuits
102-000-000	--	Test Equipment, Electrical Indicating Instruments and Meters (Switching Systems and Power) — Maintenance, Selection, and Use	<b>190-/191- Operations Support Systems</b>		
103-000-000	--	Transmission Test Equipment	190-000-000	--	Operations Support Systems — Operations, Maintenance, and Administration
104-000-000	--	Radio Test Equipment	191-000-000	--	Operations Center Deliverable Documentation
105-000-000	--	PBX and Station Test Equipment	<b>193-/195- Computer Applications</b>		
106-000-000	--	Electrical Test Equipment — Outside Plant	193-000-000	--	Computer Applications — Software Support Products
107-000-000	--	Data and Teletypewriter Testing Equipment	195-000-000	--	Interactive Documentation
<b>154-/178- Power</b>			<b>200-/289- Switching Systems</b>		
154-000-000	--	Power Systems — Administration	201-000-000	--	Supplemental Information — Central Offices
155-000-000	--	Alternators, Engine-Alternators, Gas Turbine Alternators, Tone Alternators, Tone Machines, Ringing and Coin Control Generators, Charging Generators and Motor-Generators	205-000-000	--	Automatic Data Test Circuits
157-000-000	--	Batteries	210-000-000	--	Service Observing — Plant and Traffic Desks
159-000-000	--	Engines and Engine Sets, Motors, Dynamotors, and Drives	211-000-000	--	No. 1, 3, 5, and 6 Toll Offices — No. 1, 3, 5, and 6 Toll Switchboards — No. 6A Teletypewriter Switchboard
161-000-000	--	Speed Reduction Units, Converters, Inverters, Air-Dryers, Compressor-Dehydrators, Waveguide Dehydrators, Exhauster Sets, Fans, Tube Cooling Systems, Ventilating Equipment, Call Announcer Machines	212-000-000	--	No. 4A and 4M Toll Switching Systems
163-000-000	--	Interrupters, Ringing Machines, and Pole Changers	216-000-000	--	No. 1 Crossbar Offices
167-000-000	--	Power Plants, Power Units, and Power Supply	218-000-000	--	No. 3, No.5, and No. 5A Crossbar Offices
169-000-000	--	Rectifiers and Filament Supplies	220-000-000	--	Crossbar Tandem Offices
171-000-000	--	Miscellaneous Power Circuits and Equipment	225-000-000	--	Testing Information Applying to Specific Step-by-Step and Community Dial Offices
			226-000-000	--	Equipment Common to More Than One Type Step-by-Step and Community Dial Offices
			227-000-000	--	General and Testing Information Applying to Intertoll Dialing, CAMA, AMA, ANI, Touch-Tone Calling and Common Control Equipment — Step-by-Step Systems
			230-000-000	--	Special Networks — Transaction Network

Number	Issue	Subject	Number	Issue	Subject
231-000-000	--	1 and 1A ESS™ Switches	332-000-000	--	Voice-Frequency Telephone Repeaters, Pilot Wire Regulators, Echo Cancellers/Suppressors, Composite Sets, and Associated Equipment
232-000-000	--	2/2B ESS Switch	333-000-000	--	Interoffice Signaling Systems and Testing
233-000-000	--	3 ESS Switch	340-000-000	--	Picturephone Services — Baseband Video Transmission
234-000-000	--	4 ESS Switch	341-000-000	--	Picturephone Transmission — Performance Plan
235-000-000	--	5ESS® Switch — Digital Switching System	354-000-000	--	Frequency Generating System
240-000-000	--	101 ESS Switch	355-000-000	--	Type K Carrier Telephone Systems and Associated Equipment Components
241-000-000	--	General Trade Switching System	356-000-000	--	Analog Multiplex Terminal Equipment
250-000-000	--	Operator and Traffic Service Position Systems	357-000-000	--	Wire-Line Entrance Links and Broadband Entrance Links and Interconnection
252-000-000	--	Traffic Management Systems	358-000-000	--	Type L1 Carrier Telephone System and Associated Equipment Components
254-000-000	--	Stored Program Control	359-000-000	--	L3, L4, L4S, L5, and L5E Carrier
255-000-000	--	DATAKIT® Processor Controlled and Ancillary Systems for 10A Remote Switching, 1 Packet Switching, and Database Systems	360-000-000	--	Maintenance Center Tests — Equipment Components — Type L1 and L3 Carrier Telephone Systems
256-000-000	--	Common Channel Signaling System (CCSS)	361-000-000	--	Service Center Tests — Type N, O, and ON Carrier Systems
270-000-000	--	Advanced Intelligent Network (A-I-Net™) Products	362-000-000	--	Type N, O, and ON Carrier Telephone Systems and Associated Equipment Components
<b>300-/379- Transmission and Signaling Systems and Testing</b>			363-000-000	--	Loop Transmission Systems
300-000-000	--	Transmission Systems and Testing — Cross Reference Lists	■ 364-000-000AC	--	Submarine Cable Systems
301-000-000	--	Transmission Performance Measurement Plans	365-000-000	--	Digital Transmission Systems
304-000-000	--	Transmission Data	371-000-000	--	Broadband Restoration
309-000-000	--	Switched Services Networks	<b>400-/449- Radio</b>		
310-000-000	--	Non-switched Special Services System	400-000-000	--	Radio Administration
311-000-000	--	Switches Special Services Systems	401-000-000	--	AUTOPLEX® — Cellular Telecommunications Systems
312-000-000	--	Private Line Data Systems and Services	402-000-000	--	Antennas, Transmission Lines, and Waveguide
313-000-000	--	Voice, Data, and Video Transmission Systems	403-000-000	--	Coastal Harbor, High Seas, Overseas, and Emergency Point-to-Point Radio
314-000-000	--	Digital and Analogue Data Transmission Systems	404-000-000	--	Manual Mobile Radio
318-000-000	--	Television Systems			
320-000-000	--	Program Transmission Systems and Services			
330-000-000	--	Cable and Open-Wire Testing and Trouble Location Methods			
331-000-000	--	Transmission and Noise Testing, Central Office PBX Customer Lines and Equipment			

Number	Issue	Subject	Number	Issue	Subject
405-000-000	--	MJ, MK, and ML Mobile Radiotelephone	<b>470-/489- Special Services</b>		
406-000-000	--	Air-Ground Radio	473-000-000	--	Intra-PBX Protection of Service, Code Calling, Customer Training, Dispatching, Emergency Reporting, Interface Trunks, Message Waiting, Recorded Telephone Dictation, Telephone Answering Systems, and Transmitter Transfer
407-000-000	--	Personal Radio Services			
408-000-000	--	Motorola* , RCA† , Federal, REL, Narrowband Auxiliary Channel and Other Non-AT&T Microwave Radio Equipment and TV Off-the-Air Pick-Up Services	475-000-000	--	Call Distributing Systems, Information Desks, and Order Turrets — Customer Equipment
409-000-000	--	TE, TJ, TL, and TM Microwave Radio	476-000-000	--	Force Administration Data System (FADS) — Automatic Call Distributing System (ACD), No. 2A, 2B, and 3A and Call Distributing System No. 4A
410-000-000	--	TD-2 Microwave Radio			
411-000-000	--	TD-3 Microwave Radio	478-000-000	--	Building Management Systems
412-000-000	--	TH-1 Microwave Radio	480-000-000	--	Private Service Systems
413-000-000	--	TH-3 Microwave Radio	481-000-000	--	Teleconferencing Services
415-000-000	--	TD-3D Microwave Radio			
416-000-000	--	TN-1 Microwave Radio	<b>500-/529- Small Business Systems and Station Equipment</b>		
417-000-000	--	3A-Radio Digital Systems	500-000-000	--	General Considerations for Station Installations
419-000-000	--	AR6A Single-Sideband Microwave Radio Systems	501-000-000	--	Small Business Systems and Station Equipment — Station Set Components — Customer Equipment
420-000-000	--	Microwave Radio — Common Equipment			
421-000-000	--	FR/DR Microwave Radio System	502-000-000	--	Common Battery — Station Sets
422-000-000	--	Common Microwave Radio — Transmission Systems	503-000-000	--	Modular Station Sets — Common Battery
<b>460-/469- Common to Customer Equipment</b>			504-000-000	--	Selector Consoles, Telephone Consoles, and Apparatus Units
460-000-000	--	General Information — Customer Information	506-000-000	--	Small Business Systems and Station Equipment — Public Telephone Sets
461-000-000	--	Wiring and Cabling — Customer Equipment	508-000-000	--	Public Telephone Enclosures and Miscellaneous Accessories
462-000-000	--	Drop and Block Wiring — Dedicated Plant and C Rural Wire	510-000-000	--	Station Sets and Coin Collectors — Local Battery and Magneto
463-000-000	--	Miscellaneous Station Apparatus for Use With Station Installations	512-000-000	--	Automatic Dialers, Station Keys, Key Equipment, Interphone Systems, Modular Units, and Speakerphone Systems
			514-000-000	--	Telephone Answering and Announcement Sets and Systems
			518-000-000	--	Key Telephone Systems, Communications Systems, and Switching System No. 400

\* Motorola is a registered trademark of Motorola, Inc.

† RCA is a registered trademark of RCA Corporation

Number	Issue	Subject	Number	Issue	Subject
529-000-000	--	Station Apparatus and Equipment Intended Solely for Specially-Engineered Lines — Not for General Telephone Use	<b>560-/565- Data Systems Division — Products</b>		
<b>530- Consumer Products</b>			560-000-000	--	Data Systems Products — Cross-Product, Product Independent, UNIX* Microsystems, and Computer Systems
530-000-000	--	Consumer Products — Telephones, Cordless Phones, Answering Machines, Typewriters, Home Wiring and Apparatus	<b>570-/581- Data Terminal and Teletype Equipment</b>		
<b>533-/553- Large Business Systems (Private Branch Exchanges)</b>			570-000-000	--	Teletypewriter General Information — Miscellaneous Apparatus and Auxiliary Equipment
533-000-000	--	Customer Premises Systems — Customer Services Provided by ESS Switches	573-000-000	--	28-Type Teletypewriters
534-000-000	--	Sections Applying to More Than One PBX Series — 500, 600, 700, and 800 Series — Manual and Dial PBX	574-000-000	--	Teletypewriter 30 Series and Teleprinters
536-000-000	--	500 Series PBX	578-000-000	--	Miscellaneous Data Terminals
538-000-000	--	600 Series PBX	579-000-000	--	Teletypewriter Field Maintenance Practices/Field Installation Maintenance Practices
540-000-000	--	Section Applying to More Than One 700 Series PBX Including Centrex CU, Attendant Equipment for Centrex CO, and Touch-Tone Calling	580-000-000	--	Teletypewriter Switching Systems
541-000-000	--	700C and 710C PBX	581-000-000	--	Teletypewriter Selective Calling Systems
542-000-000	--	701- and 711-Type PBX	<b>582-/584- Data Communications Equipment</b>		
543-000-000	--	702A PBX	582-000-000	--	Data Communications Equipment — DATASPEED® Services — System, Services, and Components
546-000-000	--	740-Type PBX	<b>585-/589- Computer Products</b>		
548-000-000	--	750A PBX	585-000-000	--	Computer Products — Adjunct Processors and Service for Business Communications Systems
550-000-000	--	755A PBX	<b>590-/599- Data Sets (100 thru 800 Series)</b>		
551-000-000	--	756A, 757A, 758A, 758B, 758C, 761, and 770 PBX	590-000-000	--	Data Systems — General Information
553-000-000	--	800 Series PBX	591-000-000	--	100 Series Data Sets and Associated Services
<b>554-/559- Business Communications Systems</b>			592-000-000	--	200 Series Data Sets and Associated Services
554-000-000	--	Business Communications Systems — DIMENSION® PBX	593-000-000	--	300 Series Data Sets and Associated Services
555-000-000	--	DEFINITY® Communication System Generic 1 and 2 — System 25, 75, 85, Common Systems, Information Systems Network, and Premises Distribution System			

\* UNIX is a registered trademark of Novell, Inc.

Number	Issue	Subject	Number	Issue	Subject
594-000-000	--	400 Series Data Sets and Associated Services	664-000-000	--	Testboards for Other Than Special Services
595-000-000	--	500-Type Service Units and Sets for Digital Systems/Services	666-000-000	--	Testboards and Test Positions for Special Services
596-000-000	--	600 Series Data Sets and Associated Services	667-000-000	--	Switched Maintenance Access and Servicing Systems
598-000-000	--	800 Series Auxiliary Equipment	668-000-000	--	Data Test Centers

**620-/649- Outside Plant**

620-000-000	--	Outside Plant — General
621-000-000	--	Pole Lines
622-000-000	--	Conduit, Manholes, and Cable Vaults
623-000-000	--	Open Wire
624-000-000	--	Multiple Wire
626-000-000	--	Cables, Wire, and Apparatus
627-000-000	--	Aerial, Block, and House Cable
628-000-000	--	Underground Cable
629-000-000	--	Buried Plant
630-000-000	--	Submarine Cable
631-000-000	--	Cable Terminals
632-000-000	--	Cable Splicing
633-000-000	--	Splice Closures
634-000-000	--	Electrical Cable Testing and Identification
635-000-000	--	Electrolysis — Outside Plant
636-000-000	--	Main Frame Terminations and Connectors
637-000-000	--	Cable Pressure Systems
638-000-000	--	Electrical Protection and Bonding
639-000-000	--	Concentrators — Outside Plant
640-000-000	--	Outside Plant — Carrier Apparatus
643-000-000	--	Coil and Capacitor Cases and Apparatus Cases for Inductors and Filters
644-000-000	--	Upkeep
649-000-000	--	Construction Equipment — Outside Plant (also see Divisions 010, 075, 081, 106, and 157)

**660-/669- Test Center Operation**

660-000-000	--	Test Center Operation
662-000-000	--	Cable and Local Test Desks and Local Test Cabinets

**680-/689- Loop Assignment**

680-000-000	--	Loop Assignment — Distribution Services
682-000-000	--	Plant Assignment — Trunk Plant and Special Services

**720-/729- Motor Vehicles**

720-000-000	--	Motor Vehicles and Construction Apparatus
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**740-/749- Materials Management**

740-000-000	--	Supplies — General Information
741-000-000	--	Products, Supplies, Systems and Services — Supporting Functions
742-000-000	--	Supply Controls
743-000-000	--	Supply Ordering and Computer Controls
744-000-000	--	Supply Distribution
745-000-000	--	Material Returns
746-000-000	--	Supply Functions — Miscellaneous

**750-/759- Business Information Systems**

750-000-000	--	BISP General
751-000-000	--	COMMON LANGUAGE*
756-000-000	--	Trunks and Special Services
759-000-000	--	Time Share Program

\* Common Language is a registered trademark of Bell Communications Research, Inc.



Number	Issue	Subject	Number	Issue	Subject
<b>760-/779- Building Engineering/Operation</b>			<b>820-000-000</b>		
760-000-000	--	Building Engineering	--		1, 1A, 2, 2A, 3 and 4 ESS™, 5ESS® Switches, 1A Processor, and Remote Switching Systems
770-000-000	--	Building Operation	821-000-000	--	Traffic Service Systems
<b>780-/789- Engineering Planning</b>			822-000-000	--	Equipment Design and General Equipment Requirements and Engineering Information Traffic Management Systems
780-000-000	--	Network Services Methods	823-000-000	--	101 ESS Switch
781-000-000	--	Technical Planning	824-000-000	--	Operations Support Systems
785-000-000	--	Network Access	825-000-000	--	Common Channel Signaling System (CCSS)
788-000-000	--	Business Services Planning and Operations	<b>850-/889- Transmission Engineering</b>		
<b>790- Engineering Administration</b>			851-000-000	--	Special Services Systems — Engineering Design Information
790-000-000	--	Engineering Administrative Practices	852-000-000	--	Exchange Area and Operator Services Transmission
<b>795- Common Language</b>			853-000-000	--	Toll Transmission
795-000-000	--	COMMON LANGUAGE	855-000-000	--	Carrier Engineering
<b>800-/839- Equipment Design and General Requirements</b>			856-000-000	--	Mechanized Transmission Engineering Tools
800-000-000	--	Cross-Reference Lists, Floor Plan Data Sheets, Administrative Information, General Equipment Requirements for Installation and Manufacturing, and General Performance Requirements	857-000-000	--	Program and Television Engineering
801-000-000	--	Common Systems	859-000-000	--	Signal Transmission — Engineering Considerations
802-000-000	--	Power Systems	860-000-000	--	Picturephone Service Transmission Engineering
803-000-000	--	Electrical Grounding — Methods	865-000-000	--	Transmission Maintenance Systems Engineering
804-000-000	--	Toll Systems	870-000-000	--	Electrical Noise Engineering
806-000-000	--	Radio Systems and Television Systems	873-000-000	--	Inductive Coordination
807-000-000	--	Data Systems	874-000-000	--	Power Supply Systems Data
809-000-000	--	Private Branch Exchange Systems	876-000-000	--	Electrical Protection Practices
811-000-000	--	Private Service Systems	877-000-000	--	Corrosion Practices
812-000-000	--	Station Systems	880-000-000	--	Data Communications Engineering
814-000-000	--	Step-by-Step Systems	<b>900-/939- Outside Plant Engineering</b>		
816-000-000	--	No. 1 Crossbar System	900-000-000	--	General Information
817-000-000	--	Tandem Crossbar System	901-000-000	--	Facility Planning — Study Methods and Tools
818-000-000	--	No. 4 Type Toll Switching System	902-000-000	--	Facility Planning — Applied Transmission
819-000-000	--	No. 3, No. 5, and No. 5A Crossbar Systems	915-000-000	--	Facility Design — Systems

Number	Issue	Subject
916-000-000	--	Facility Design — Feeder Facilities
917-000-000	--	Facility Design — Distribution Facilities
918-000-000	--	Facility Design — Applied Protection
919-000-000	--	Facility Design — Structure
920-000-000	--	Facility Design — Trunk Facilities
928-000-000	--	Facility Support — Engineering Support Functions
929-000-000	--	Facility Support — Plant Operating Support Functions
930-000-000	--	Facility Support — Maintenance and Upkeep
935-000-000	--	Management Organizing
936-000-000	--	Management Controlling
937-000-000	--	Management Coordinating

Number	Issue	Subject
<b>999- Product Documentation — User</b>		
999-000-000	--	Numerical Index — Product Documentation — User — Data Set, PBX, ACD, Key Set, Telephone Technique, Computers, and Software.

**940-/944- Radio Engineering**

940-000-000	--	Radio Engineering
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**950-/989- General Descriptive Information**

951-000-000	--	Equipment Common to More Than One Type of System
953-000-000	--	Switchboard, Desks, and Associated Equipment
955-000-000	--	Step-by-Step and Community Dial Offices
957-000-000	--	No. 1 Crossbar Offices
958-000-000	--	No. 5 Crossbar Offices
966-000-000	--	ESS Switches
970-000-000	--	Transmission Systems
975-000-000	--	Signaling Systems
981-000-000	--	Equipment on Customers' Premises (Special Services and Private Branch Exchanges)
982-000-000	--	Private Service Systems
984-000-000	--	Traffic Service and Traffic Management Systems

**4. Divisional Numerical Indexes**

**Division 000**

**Documentation General Information and Specifications**

**000-0 Indexes and General Information**

- 000 Indexes
- 010 General Information
- 015 AT&T Internal Directories
- 099 CIRs (Customer Information Releases)

**000-1 AT&T Documentation Guidelines**

- 000 Indexes
- 100 Documentation Planning Guidelines and Specifications
- 110 Development Guidelines and Specifications
- 120 Production Guidelines and Specifications
- 130 Distribution Guidelines and Specifications
- 150 Engineer Drawing Specifications

**000-2 Editorial, Illustrating, and Printing Specifications**

**000-3 Content Specifications**

**000-4 Product Specific Documentation Guidelines**

**000-8 Packaging and Printing Specifications — General Business Systems**

Number Issue Subject

**000-0 Indexes and General Information**

**000-000 Indexes**

000-000-000	94	Numerical Index — Division 000 — Documentation — General Information and Specifications (5-95)
000-000-001	27	Master Alphabetical Index — All Divisions (06-92)
000-000-002	16	AT&T Master Index — 9-Digit Numbered Documents — Alphabetical and Numerical Listings (6-95)

Number	Issue	Subject
000-000-005	10	Master Numerical Index — All Divisions

**000-010 General Information**

■ 000-010-012AC	1	Ordering Information for Practices In Microfiche Format
■ Appendix 1 AC	1	AT&T-C Ordering Information for Practices In Microfiche Format — Group Codes
■ Appendix 2 AC	1	Microfiche — Reference Guide
■ 000-010-014AC	1	Subject Matter Expert Procedures for Handling AT&T and AT&T Communications Practices
000-010-016	3	AT&T Documents — Conditions of Releasing, Cancelling, Archiving, and Indexing — (Form E-10215)
▣■ 000-010-021	2	SPCS Documents — Safeguarding Trade Secret and Other Proprietary Information
■ 000-010-904AC	1	Employee Suggestion Plan — Method of Processing

**000-015 AT&T Internal Directories**

■ 000-015-000	1	Number to Order Directories 000-015-010, 000-015-011, and 000-015-012
■ 000-015-010	1	AT&T Southern Area Directory
■ 000-015-011	1	AT&T Eastern Area Directory
000-015-012	1	AT&T Western and Central Region Directory
■ 000-015-013	7/95	AT&T International Key Contact Directory
■ 000-015-100	1/95	AT&T Interoffice Communications Directory

**000-099 CIRs (Customer Information Releases)**

000-099-000	2	Interdivisional Numerical Index Customer Information Releases
000-099-003SI	28	CIR Summary — A Synopsis of Customer Information Releases Recently Distributed
□ 000-099-005	1	Interdivisional Numeric Index Customer Information Releases (CIRs)

Number	Issue	Subject	Number	Issue	Subject
<b>000-1 Numbering Plan for Documentation-Indexes, Guidelines and Specifications</b>					
<b>000-100 Documentation Planning Guidelines and Specifications</b>					
■ 000-100-000	1	AT&T Documentation Architecture— An Introduction	■ 000-120-001	2	AT&T Documentation Architecture Cover Design Standard
■ 000-100-001	1	AT&T Documentation Architecture Process and Quality Guidelines	■ 000-120-002	1	AT&T Carton Design Standards Detailed Specifications
■ 000-100-002	1	AT&T Documentation Architecture Process and Quality Overview	■ 000-120-100	1	AT&T Practices — Typesetting Specification
■ 000-100-010	1	Guidelines for Documentation Plans	■ 000-120-110	1	AT&T Practices — Printing and Binding Specification
■ 000-100-015	1	AT&T Documentation 9-Digit Numbering Plan — Process Standard	■ 000-120-115	2	AT&T Practices — Illustrating Specification
■ 000-100-020	2	AT&T Documentation 9-Digit Numbering Plan — Advance Notice Process Standard (5-93)	<b>000-130 Distribution Guidelines and Specifications</b>		
<b>000-110 Development Guidelines and Specifications</b>			■ 000-130-100	1	Ordering Information
■ Addendum	1		■ Appendix 1 AC	1	AT&T Practices — Index — Coded Distribution
■ 000-110-001	1	AT&T Documentation Architecture Content and Format Standards (4-92)	■ Appendix 2 AC	1	A Coded Distribution — Central Office Administration — General
000-110-115	3	Top Standards	■ Appendix 3 AC	1	B Coded Distribution — Data Sets and Services — 100 Series Thru 600 Series
■ Revision 1	12-92		■ Appendix 4 AC	1	C Coded Distribution — Central Office Equipment — Common, Administrative General Information
■ 000-110-120	1	AT&T Network Systems Customer Documentation— Format Standards	■ Appendix 5 AC	1	D Coded Distribution — Headquarters Engineering, Station Apparatus, and Other Common Carrier Practice
■ Revision 2	10-92		■ Appendix 6 AC	1	E Coded Distribution — Central Office Equipment — Apparatus
■ Revision 1	7-92		■ Appendix 7 AC	1	F Coded Distribution — L Type Carrier, Wireline Entrance Links, Frequency Generating Systems
■ 000-110-125	1	AT&T Network Systems Customer Documentation — Publishing Standards (4-92)	■ Appendix 8 AC	1	G Coded Distribution — Outside Plant
■ 000-110-135	1	AT&T Network Systems Customer Documentation — Task Oriented Practices (TOP) Standard (4-93)	■ Appendix 9 AC	1	H Coded Distribution — Operations Support Systems, Circuit Order and Network Administration
■ 000-110-140	1	AT&T Documentation Architecture On-Line Documentation Guidelines (1-95)	■ Appendix 10 AC	1	J Coded Distribution — Power, Converters, Air Dryers, and Miscellaneous Power
<b>000-120 Production Guidelines and Specifications</b>			■ Appendix 11 AC	1	K Coded Distribution — Analog and Digital Transmission Systems
■ 000-120-000	2	AT&T Documentation Cover and Carton Design Standards — An Overview	■ Appendix 12 AC	1	L Coded Distribution — Analog Multiplex Terminal Equipment
			■ Appendix 13 AC	1	M Coded Distribution — Television, Program, Test Equipment

Number	Issue	Subject
■ Appendix 14 AC	1	N Coded Distribution — Telegraph Services
■ Appendix 15 AC	1	P Coded Distribution — Private Line Data Services, Equipment and Testing
■ Appendix 16 AC	1	Q Coded Distribution — Special Service — Voice
■ Appendix 17 AC	1	R Coded Distribution — Radio Systems
■ Appendix 18 AC	1	S Coded Distribution — Switching Systems
■ Appendix 19 AC	1	T Coded Distribution — Radio Test Equipment
■ Appendix 20 AC	1	U Coded Distribution — Test Equipment — Transmission
■ Appendix 21 AC	1	V Coded Distribution — Power and Engine
■ Appendix 22 AC	1	W Coded Distribution — Power
■ Appendix 23 AC	1	X Coded Distribution — Meters, Ringing Machines, Picturephone Service, Submarine Cable, TASI Alarm Systems
■ Appendix 24 AC	1	Y Coded Distribution — Engineering Design, General Description and Requirements
■ Appendix 25 AC	1	Z Coded Distribution — Personal Computers, Processors, Peripherals, Work Stations and Data Networking

### 000-150 Engineer Drawing Specifications

#### Product Information Practices (PIPs)

■ 000-150-000	1/95	Master PIP Index
■ 000-150-002	1	Introduction
■ 000-150-012P	10/89	Profile: Documentation Planning Guidelines

#### Common Processes and Practices — Product Design Information

■ 000-150-302	5/94	Assignment of Distribution Codes to AT&T Drawings
■ 000-150-306P	1/95	Profile: PIP Keynote Drawings Content and Retention Requirements
■ 000-150-502	1	Information
■ 000-150-502P	1	Profile: Introduction
■ 000-150-504	1	Apparatus, Circuit, and Equipment

Number	Issue	Subject
■ 000-150-504P	1	Profile: Apparatus, Circuit, and Equipment
■ 000-150-506	1	Software
■ 000-150-506P	1	Profile: Software
■ 000-150-508	1	Specification and Microelectronic Component
■ 000-150-508P	1	Profile: Specification and Microelectronic Component
■ 000-150-510P	10	Profile: Product Design Quick (PDQ)
■ 000-150-512	10	Electrostatic Discharge (ESD)
■ 000-150-512P	10	Profile: Electrostatic Discharge (ESD)
■ 000-150-514P	11/88	Profile: Notification to Use Procedures
■ 000-150-516P	10	Profile: AT&T EMC Policy and Guideline
■ 000-150-518	10	Product Change (PC)
■ 000-150-518P	10	Profile: Product Change (PC)
■ 000-150-520P	11/88	Profile: Product Design for Safety Practice

### 000-2 Editorial, Illustrating, and Printing Specifications

■ 000-200-010AC	1	Printing Specification AT&T Communications Practices — Printing Specifications
■ 000-200-011	1	Typesetting Specification
■ 000-203-150AC	1	AT&T Communications Practices — Standard Word and Phrase List
■ 000-245-155	2	Illustrating Specification Customer Products — 66-Type Connecting Blocks

### 000-3 Content Specifications

■ 000-300-100	1	Feature Document — Content and Format Specification
■ 000-301-100	1	Data Sheet Specification
■ 000-304-150	2	Content Specification for Data Services

Number	Issue	Subject
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**000-4 Product Specific Documentation Guidelines**

**000-440 Switching and Signaling Systems**

- |               |   |  |
|---------------|---|--|
| ■ 000-440-210 | 3 | US Market Customer Documentation Style Guide |
|---------------|---|--|

**000-480 Product Design Information**

- |               |   |  |
|---------------|---|--|
| 000-480-100   | 1 | Product Design Information Record Retention Requirements     |
| ■ 000-480-105 | 1 | Keynote Drawings — Content and Retention Requirements (2-95) |

**Division 002AC**

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**Administrative Practices**

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Distribution of this index is limited. It can be ordered individually as 002-000-000AC.

**Division 005**

**Abbreviations, Definitions, Drawings, Requirement Tables, Specifications, and Symbols**

**005-0 Indexes**

**005-1 Abbreviations, Definitions, Drawings, Requirement Tables, Specifications, and Symbols**

Number	Issue	Subject
<b>005-0 Indexes</b>		
005-000-000	64	Numerical Index — Division 005 — Abbreviations, Definitions, Drawings, Requirement Tables, Specifications, and Symbols
<b>005-1 Abbreviations, Definitions, Drawings, Requirement Tables, Specifications, and Symbols</b>		
005-100-104	5	Circuit Drawings, Requirements Tables, Circuit Descriptions, X Specifications, Wiring Lists and Terminal Assignment Lists — Description
005-101-111	11	Abbreviations and Letter Symbols for Use on Drawings and Product Marking, and in Related Text
■ 005-101-113	1	Accessing Data Pertaining to Electronic Components — Standard Abbreviations to be Used
005-104-100	3	Standard Abbreviations — Electronic Systems — Input/Output Messages
005-105-101	4	Pictorial Wiring Diagrams — Methods Used
005-105-102	1	Tabular Wiring Diagrams — Description
005-108-111	5	Symbols for Circuit Schematic Drawings
005-109-101	3	Circuit Schematic Drawings (SDs) — Descriptive Information
005-111-101	2	New Electronic Switching Systems — Circuit Documentation
005-120-101	5	Description of Circuit Requirement Tables

Number	Issue	Subject
005-120-102	7	Winding and Spring Designations — Apparatus Connecting Points Referred to in Circuit Requirements Tables — Index and General Information
005-120-103	7	Winding and Spring Designations — Apparatus Connecting Points Referred to in Circuit Requirements Tables — Standard Since 1931
005-120-104	4	Winding and Spring Designations — Apparatus Connecting Points Referred to in Circuit Requirement Tables — Standard Prior to 1931
005-121-101	6	Transmission Test Requirement Tables — Description
005-140-101	1	Cabling, Wiring, and Connecting Terms — Definitions
005-150-101	13	Wiring Symbols, Wiring Abbreviations and Definitions — Wiring and Cabling (5-78)



**Division 006****Graphic Media Systems and Standards****006-0 Index****006-1 Drawings on 35mm Microfilm****006-2 Documents on 16mm Microfilm****006-3 Documents on Microfiche****006-4 Facsimile Communication (FAX) Systems****-400 General Information and Guidelines****-401 Plain Paper Fax (PPF)**

Number	Issue	Subject
<b>006-0 Index</b>		
006-000-000	43	Numerical Index — Division 006 — Graphic Media Systems and Standards (5-95)

**006-1 Drawings on 35mm Microfilm**

006-100-100	7	General Information
006-101-100	2	35mm Microfilm for Installation and Telephone Company — Equipment Maintenance
006-110-100	10	Silver Microfilm Production
006-110-500	6	Inspection Procedures — Silver Microfilm
006-115-100	7	Drawings — Reading and Reproducing
006-115-500	6	Inspection Procedures — Duplicate Microfilm
006-115-800	3	Desk Top Readers — KS-16835 L1 and Dukane Model 576-70 — Maintenance and Replacement of Parts
006-120-100	9	Equipment and Materials for Production, Inspection and Reproduction

Number	Issue	Subject
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**006-2 Documents on 16mm Microfilm**

006-200-100	2	General Information
006-210-100	3	Silver Microfilm Production
006-210-500	2	Silver Microfilm Inspection Procedures
006-215-100	2	Reading and Reproducing Documents From Microfilm
006-215-500	2	Duplicate Microfilm Inspection Procedures
006-220-100	4	Equipment and Materials for Production, Inspection, and Reproduction

**006-3 Documents on Microfiche**

Addendum	1	
006-300-100	1	Standards for Microfiche of Source Documents
006-310-100	2	Program Documents On 105mm Microfiche

**006-4 Facsimile Communication (FAX) Systems****006-400 General Information and Guidelines**

006-400-100	1	Description, Applications, Definitions
006-400-101	1	Planning of Systems for Internal AT&T Applications
006-400-130	1	Roadrunner Source Book for Fax NOTE: This book is include in 501-501-000 Document Set

**006-401 Plain Paper Fax (PPF)**

006-401-110	1	AT&T PPF 100 User's Guide
006-401-110A	1	AT&T PPF 100 Read Me First
006-401-115	1	AT&T PPF 300/400 User's Guide
006-401-116	2-95	AT&T PPF 300/400 Study Guide
006-401-117	2-95	AT&T PPF 300/400 Coach's Guide
006-401-118	2-95	AT&T PPF 300/400 Service Handbook

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
006-401-119	2-95	AT&T PPF 300/400 Quick Reference
006-401-125	2-95	AT&T PPF 200 Study Guide
006-401-126	2-95	AT&T PPF 200 Coach's Guide
006-401-127	2-95	AT&T PPF 200 Service Handbook
006-401-128	2-95	AT&T PPF 200 Quick Reference

**Division 007****Information Systems****007-0 General Information****007-1 Planning****007-2 Systems Development****007-3 Data Management****007-4 Data Communications****007-5 Data Processing Operations****-591 Computer Security**

	Number	Issue	Subject
	007-203-102	1	Standard Operating Environment — Sperry UNIVAC — Information System
	007-203-110	1	Distribution of Source Code — Centrally Developed Systems
	007-203-210	2	Standard Naming Conventions for Systems Operating Under the International Business Machines—Standard Operating Environment
	007-204-101	1	Standard Operating Environment — UNIX®*
	007-205-310	2	Guidelines to Establish Service Objectives for Computer-Based Information Systems
	007-208-310	1	Project Management
	007-209-201	2	System Control Standards
	007-209-304	1	System Controls and Examination Guide — Preparation Instructions
	007-210-320	2	Review Procedures for the Conversion and Operations Impact of Centrally Developed Systems
	007-220-300	1	Total System Development — Milestones
	007-220-301	1	Total System Development — Proposal Phase Guidelines
	007-220-302	1	Total System Development — Feasibility Phase Guidelines
	007-220-303	1	Total System Development — Definition Phase Guidelines
	007-220-304	1	Total System Development — Preliminary Design Phase Guidelines
	007-220-305	1	Total System Development — Detail Design Phase Guidelines
	007-220-306	1	Total System Development — Implementation Guidelines
	007-220-307	1	Total System Development — Conversion Phase Guidelines
	007-220-308	1	Total System Development — Performance Review Phase Guidelines
	007-220-310	1	Total System Development — Strategy Options
<b>007-0 General Information</b>			
007-000-000	54		Numerical Index — Division 007 — Information Systems
007-000-101	1		007 Bell System Practices Numbering Plan
<b>007-1 Planning</b>			
007-110-300	1		Information Systems Planning
007-110-350	1		Data Communications Strategic Planning
007-180-301	1		Computer Capacity Planning Methodology
<b>007-2 Systems Development</b>			
007-200-100	1		General Information
007-200-201	1		Glossary of System Development Terms and Acronyms
007-200-310	2		Functional Roles in a Systems Environment
007-201-100	1		Rule Administration
007-203-100	1		Rules for Systems Designed for Large-Scale, General Purpose Computing Equipment
007-203-101	5		Standard Operating Environment — IBM*

\* IBM is a registered trademark of International Business Machines.

\* UNIX is a registered trademark of Novell, Inc.

Number	Issue	Subject	Number	Issue	Subject
007-227-305	1	Developmental Documentation	<b>007-4 Data Communications</b>		
007-227-310	1	Developmental Documentation Specifications — General Information	007-400-100	4	Standard Operating Environment
007-230-210	1	Systems Deliverable Documentation	007-450-200	1	Computer Communications — Trouble and Analysis Standard
007-233-300	1	Testing Recommendations for Information Systems	<b>007-5 Data Processing Operations</b>		
Appendix 1	1	Testing Performance Aid	007-505-320	2	Guidelines to Produce a Service Agreement for Computer-Based Information Systems
Appendix 2	1	Structured Walk-Throughs	007-505-330	1	Guidelines to Produce a Service Agreement — Minicomputer-Based Operations System
Appendix 3	1	Test Plan Guidelines	007-550-300	1	General Information — Minicomputer Maintenance and Operations Center — Computer System Measurement
007-235-300	1	Human Factors for System Development	007-550-301	1	Operation Procedures — Minicomputer Maintenance and Operations Center — Computer System Measurement
Appendix 1	1	Human Factors Performance Aid	007-550-302	1	Minicomputer Operations Group — Maintenance Administration — Minicomputer Maintenance and Operations Center — Computer System Measurement
Appendix 2	1	System Deliverable Documentation Cross-Reference	007-550-303	1	System Protection and Physical Security Requirements — Minicomputer Maintenance and Operations Center — Computer System Measurement
Appendix 3	1	Reference	007-550-309	1	Minicomputer Operations Group (MOG)— Operational Review Procedures
Appendix 4	1	Glossary	■ 007-550-309AC	1	Minicomputer Operations Group (MOG)— Operational Review Procedures
007-240-100	1	Remote Diagnostic Access Facilities — Centrally Developed Systems	■ Appendix 1AC	1	MOG Operational Review — User Perception Survey
007-240-210	1	AT&T Deliverable Systems — Procedures for Maintenance and Continuing Development	007-555-351	2	Minicomputer Maintenance and Operations Center — Center Release Description
007-240-224	1	Change Management Procedures — Modification Request Processing	007-555-352	1	Minicomputer Maintenance and Operations Center — Center Description
007-240-300	1	Change Management Procedures — Change Management Organizational Responsibilities	007-555-353	1	Minicomputer Maintenance and Operations Center — Training Guide — Minicomputer Operations Group
<b>007-3 Data Management</b>					
007-301-201	2	General Information			
007-301-202	2	Data Security Program			
007-301-203	2	Data Attributes and Classification of Data			
007-301-204	2	Protective Measures			
007-301-205	2	Cost-Risk Analysis			
007-301-206	2	Data Security Implementation and Administration			
007-340-102	1	Data Base Administration Interface for Deliverable Centrally Developed Systems			
007-340-301	1	Operational Data Base Administration — Guidelines			

Number	Issue	Subject	Number	Issue	Subject
■ 007-555-353AC	1	Minicomputer Maintenance and Operations Center — Training Guide — Minicomputer Operations Group	007-560-256	1	Ordering Information — User's Manual — Remote Console Unit (RCU) for the PDP 11/45 Minicomputer
007-555-354	1	Minicomputer Maintenance and Operations Center — Center Description — Minicomputer Operations Group	007-560-257	1	Remote Console Unit (RCU) for PDP 11/40 Minicomputer — Method of Operation
■ 007-555-354AC	1	Minicomputer Maintenance and Operations Center — Center Description — Minicomputer Operations Group	007-560-258	1	Remote Console Unit (RCU) for PDP 11/40 Minicomputer — Installation and Test
007-555-356	1	Minicomputer Maintenance and Operations Center — Center Evaluation Guide	007-560-259	1	Ordering Information — User's Manual — Remote Console Unit (RCU) for the PDP 11/40 Minicomputer
007-555-358	1	Minicomputer Maintenance and Operations Center — Center Description — Minicomputer Maintenance Group	007-560-300	2	Minicomputer Reliability Studies System (MRSS) — Computer System Measurement
007-555-359	1	Minicomputer Maintenance and Operations Center — Operations Guide — Minicomputer Maintenance Group	007-560-301	1	Technical Support — Minicomputer Maintenance and Operations Center — Computer System Measurement
007-555-362	1	Minicomputer Maintenance and Operations Center — Training Guide — Minicomputer Maintenance Group	007-560-302	1	Maintenance Organization and Staffing — Minicomputer Maintenance and Operations Center — Computer System Measurement
■ 007-555-363	1	UNIX System Administrator Security Guidelines Minicomputer-Based Operations Systems	007-560-304	1	Types of Minicomputer Systems — Minicomputer Maintenance and Operations Center — Computer System Measurement
007-560-251	1	Method of Operation — Remote Console Unit (RCU) for the PDP* 11/70 Minicomputer	007-560-306	1	Sparing Strategy for Minicomputers — Minicomputer Maintenance and Operations Center — Computer System Measurement
007-560-252	1	Installation and Test — Remote Console Unit (RCU) for the PDP 11/70 Minicomputer	007-560-307	1	Minicomputer Maintenance Group (MMG) Operational Review — Minicomputer Maintenance and Operations Center (MMOC)
007-560-253	1	Ordering Information — User's Manual — Remote Console Unit (RCU) for the PDP 11/70 Minicomputer	007-560-308	1	Minicomputer Vendor Maintenance Operational Review — Minicomputer Maintenance and Operations Center (MMOC) — Minicomputer Maintenance
007-560-254	1	Remote Console Unit (RCU) for PDP 11/45 Minicomputer — Method of Operation	007-560-310	1	Test and Acceptance Procedures for Minicomputer Systems — Minicomputer Maintenance and Operations Center — Minicomputer Maintenance
007-560-255	1	Remote Console Unit (RCU) for PDP 11/45 Minicomputer — Installation and Test	■ 007-560-902AC	1	Minicomputer Maintenance Center (MMC) — Operational Review

\* PDP is a registered trademark of Digital Equipment Corporation.

Number	Issue	Subject	Number	Issue	Subject
007-590-200	1	Computer Center Physical Security and Disaster Recovery — Policy Statement and General Information	<b>007-591 Computer Security Information</b>		
007-590-300	1	Computer Center Physical Security and Disaster Recovery — Administration	■ 007-591-005	3	Information and Application Sensitivity Classification
007-590-301	1	Computer Center Physical Security and Disaster Recovery — Identification of the Processing Environment	■ Appendix 1	3	Sensitivity Classification
007-590-302	1	Computer Center Physical Security and Disaster Recovery — Impact Analysis	■ Appendix 2	3	Application Information Sensitivity Classification Approval
007-590-303	1	Computer Center Physical Security and Disaster Recovery — Physical Security	■ Appendix 3	3	Required Controls
007-590-304	1	Computer Center Physical Security and Disaster Recovery — Contingency Planning and Disaster Recovery	■ Appendix 4	2	Supporting Materials
007-590-400	1	Computer Center Physical Security and Disaster Recovery — Physical Security Evaluation	■ 007-591-020	2	AUDIX® Security Guidelines
■ 007-590-400AC	1	Computer Administration and Maintenance System — CompuLert® Description	■ 007-591-105	1	Data Networking Security Guidelines
			■ 007-591-205	3	UNIX System Administrator Security Guidelines MINICOM Puter-Bases Operations Systems
			■ 007-591-305	3	Security Guidelines for Personal Computers
			■ 007-591-310	2	PC Local Area Network Security Guidelines

**Division 010****General Methods****010-0 Index, Environmental, CIRs, and Product Availability**

- 010 Product Availability Policies
- 099 Customer Information Releases (CIRs)

**010-1 First Aid, Rescue, Fire Fighting, Safety Precautions, Restrictions of Plant Activities, and Radiation**

- 100 First Aid and Rescue Procedures
- 105 Fire Fighting
- 110 Safety Precautions
- 120 Central Office/PBX — Restoration, Planning, and Procedures
- 122 Restriction of Plant Activities
- 150 General Safety — Microwave Radiation
- 160 Environmental Protection
- 170 Protection From Exposure to Lead

**010-2 Records and Reports****010-3 Administrative Methods**

- 300/309 Maintenance Methods
- 310 General Personnel Methods
- 311 Human Resources
- 315 Employee Profile
- 320 Corporate — Personnel, Employment
- 321 Corporate Recruiting

**010-4 Support Services**

- 410 Network Communications Services

**010-5 Administrative Coordination Methods**

- 501 Network Systems — Sales Operations Procedures
- 502 Business Communications Systems
- 504 Corporate Accounting Practices
- 505 Administration of Designed Services
- 510 ISSC (Interfunctional Special Services Coordination)
- 514 Consumer Communications Services (CCS)
- 515 Network Services Division
- 521 FAST (Field Assistance and Support Team)
- 522/523 NTS (Network Technical Support) Plan

**010-6 Installation and Change Notice Methods****010-7 Engineering Complaint and Consumer Product Report Procedures****010-8 Quality Planning and Processes**

- 801 Quality Control — General Applications
- 802 Quality Education and Training
- 810 Corporate Support — Bell Labs
- 855 Transmission Systems

Number	Issue	Subject
<b>010-0 Index, Environmental, CIRs, and Product Availability</b>		
010-000-000	33	Numerical Index — Division 010 — General Methods (5-95)
■ Addendum	1	
■ 010-000-001	2	General-Environmental Visits or Inspections Conducted by Environmental Regulatory Agency

**010-010 Product Availability Policies**

- 010-010-100 1 Product Availability Guide

**010-099 Customer Information Releases (CIRs)**

010-099-004IR	1	Interchangeability Marking — AT&T Circuit Packs — General
010-099-005MA	2	Maintenance Performed Near Components Encapsulated in Plastic, General
010-099-006IR	1	New Bar Code Label Identifying AT&T Manufacturing (Class M) Product Changes
010-099-007IR	1	Avoidance of Electrostatic Discharge Rampage, General
010-099-008NP	2	5ESS® Switch IDCU (Integrated Digital Carrier Unit) and SLC® Series 5 Carrier General
010-099-009ML	1	Availability of Local Area Signaling Services (LASS) Sales Support Materials, Switching Systems
010-099-010IR	1	KS-21479 Single Density Connector

Number	Issue	Subject	Number	Issue	Subject
<b>010-1 First Aid, Fire, Safety, and Radiation</b>			<b>010-120-011</b>		
<b>010-100 First Aid and Rescue Procedures</b>			<b>010-120-015</b>		
■ 010-100-009AC	1	First Aid Kits (10-92)	1	1	Reconditioning Central Office and PBX Equipment Damaged by Water
010-100-011	2	Rescue of Employee From Manhole	1	1	Cleaning and Restoration of Central Office and PBX Equipment Damaged by Fire
■ 010-100-011AC	2	Rescue of Employee From Manhole (10-92)	■ 010-120-025	3	AT&T Network Systems Emergency Equipment Delivery and Restoration Plan (12-94)
010-100-012	2	Rescue of Employee From Pole	<b>010-122 Restriction of Plant Activities</b>		
010-100-013	2	Rescue of Employee From Live Wire on Ground	010-122-010	1	During Events of National Interest, Welfare or Emergency
<b>010-105 Fire Fighting</b>			■ 010-122-010AC	2	Restriction of Operational Activities During Events of Federal Emergency Declaration or Public Interest (12-93)
■ 010-105-100AC	1	Outside Plant — General Safety (10-92)	010-130-001	1	Heat Tests — Stored Program Control System — Personnel Safety Guidelines and Requirements
<b>010-110 Safety Precautions</b>			<b>010-150 General Safety — Microwave Radiation</b>		
Addendum	1		■ AddendumAC	A	
010-110-001	5	General Safety Precautions — Radio, Television, and Carrier Equipment	010-150-001	2	General Educational Information
010-110-002	2	Safety Precautions — Cathode Ray Tubes	010-150-002	1	Waveguide Hot Patching and Radiation Protective Garment
010-110-003	3	General Safety Precautions — Fluorescent Lamps	010-150-003	1	Power Density and Safe Working Distances in Front of Radar Antennas
010-110-004	5	Ladder and Ladder Seats — Safety Precautions — General	<b>010-160 Environmental Protection</b>		
010-110-005	1	General Office Safety	010-160-001	1	The Bell System Code for Environmental Protection
010-110-006	1	General Safety Precautions — Placing, Removing, or Maintaining Poles, Cables, Guys, Wire, and Strand Near Power	■ 010-160-002	4	Scrap Identification of Material Requiring Special Handling — Environmental
010-110-007	1	Safety Precautions for Materials Management Operations	■ 010-160-003	1	Waste Management Programs — World-Wide Environmental
010-110-009	1	Handling Working Telephone Circuits — Safety Precautions	■ 010-160-004	2	Customer Support and Operations Environmental Health and Safety Plan Architecture (2/94)
■ 010-110-011AC	1	Bills of Lading Instructions	<b>010-120 Central Office/PBX — Restoration, Planning, and Procedures</b>		
010-111-010	2	Electrical Protection When Using Portable AC Operated Tools and Equipment	010-120-010	1	Restoration Planning Prior to Possible Water Damage to Central Office and PBX Equipment



Number	Issue	Subject	Number	Issue	Subject
■ Addendum	1		■ Appendix 2	1	AT&T TSCA Coordinators
■●010-160-020	2	Underground Storage Tanks — Resource Conservation and Recovery ACT (RCRA) — Environmental	■ 010-160-075	1	Development of Material Safety Data Sheet for AT&T Chemical Products
■ Appendix 1	2	List of Agencies Designated to Receive Notifications	■ 010-160-076	1	Toxicological Evaluation of Chemical Substances
■ Appendix 2	1	Hazardous Substance List	■ 010-160-080	2	Transportation of Hazardous Material and Waste Hazardous Material Transportation Act (HMTA/DOT) — Environmental
■ Addendum	1		■ 010-160-120	1	Sara-Title III: Emergency Planning and Community Right-to-Know Act of 1986 Compliance Requirements
■ 010-160-021	1	Hazardous Waste Resource Conservation and Recovery Act (RCRA) Environmental	■ Appendix 1	1	The List of Extremely Hazardous Substances And Their Threshold Planning Qualities
■ Appendix 1	1	Identification and Listing of Hazardous Waste	■ Appendix 2	1	Tier I/II Reporting Forms October 15, 1987 Federal Register
■ Appendix 2	1	Definition of Solid Waste	■ Appendix 3	1	List of Cercla Chemicals 40 CFR Part 302 — Table 302.4
■ Appendix 3	1	Schedule for Land Disposal Prohibitions and Establishment of Treatment Standards	■ Appendix 4	1	List of Toxic Chemicals And Toxic Chemical Release Reporting Forms
■ Addendum	1		■ Appendix 5	1	Contacts: AT&T SERCs; Federal Agencies
■ 010-160-060	2	Toxic Substances Control Act (TSCA) — Polychlorinated Biphenyls (PCBs) — Manufacturing, Processing Distribution and Use-Prohibitions	■ 010-160-121AC	1	Hazardous Waste — Resource Conservation and Recovery Act (RCRA) — Environmental (1-93)
■ Appendix 1	1	Toxic Substances Control Act (TSCA) — Polychlorinated Biphenyls (PCBs) — PCB Inspection Manual	■ 010-160-160	2	Ionizing Radiation Protection (9-93)
■ 010-160-070	1	Toxic Substances Control Act (TSCA) Regulations NOTE: Not available from Customer Information Center. Call Subject Matter Expert at 201-851-3781.	■ 010-160-161	1	Procedures for the Control, Use, and Surveillance of Microwave Cooking Oven
■ 010-160-071	2	Toxic Substance Control Act (TSCA) Reporting and Record-keeping Procedures	■ 010-160-170	1	Indoor Air Quality Guidelines (5-92)
■ Appendix 1	1	TSCA Contacts, References and Reporting Forms	■ Appendix 1	1	Indoor Air Quality Guidelines — Air Standards (5-92)
■ 010-160-072	1	AT&T Chemical Substance Management Program — Control of Substances Received at AT&T Locations	■ Appendix 2	1	IAQ Guidelines — Directory of E&S and Medical Personnel (5-92)
■ 010-160-073	1	Guidelines for TSCA R&D Exemption Compliance	■ Appendix 3	1	IAQ Guidelines — Indoor Air Quality Employee Survey (5-92)
■ 010-160-074	1	Toxic Substances Control Act (TSCA) Import/Export of Chemical Substances	■ Appendix 4	1	IAQ Guidelines — Building Survey (5-92)
■ Appendix 1	1	TSCA Import/Export Subject Matter Experts	■ Appendix 5	1	IAQ Guidelines — Sources of Related Information (5-92)
			■ 010-160-180	1	AT&T Occupational Exposure to Bloodborne Pathogens — Methods and Procedures (12-93)

Number	Issue	Subject	Number	Issue	Subject
■ 010-160-181	1	AT&T Occupational Exposure to Lead — Methods and Procedures (7-94)	010-160-290	1	AT&T Practices — Use and Elimination of Chlorofluorocarbons and Halons
■ 010-160-182	1	Permit-Required Confined Space (12-94)	Appendix 1	1	AT&T Practices — Environmental Material Manual
■ 010-160-200	1	OSHA — Inspection Compliance Handbook	Appendix 2	1	AT&T Practices — Regulated CFC Content of AT&T Used Substances
■ Revision 1	4/95				
■ 010-160-201	3	AT&T Non-Manufacturing Locations Hazard Communication Program (1-93)	<b>010-170 Protection From Exposure to Lead</b>		
■ Addendum	1		010-170-002	1	Occupational Exposure to Lead
■ 010-160-202	1	Guideline for a Respiratory Protection Program	<b>010-2 Records and Reports</b>		
■ 010-160-203	1	Hearing Conservation	010-200-001	1	Procedures for Operational Trouble Reports on Stored Program Control Systems
■ Addendum	1		010-201-001	1	Work Reporting of Central Office Activities — General Description
■ 010-160-204	1	Access to Employee Exposure and Medical Records	010-201-009	1	Work Reporting of Central Office Activities — Central Office Cut-over and 1 ESS™ Switch to 1A ESS Switch Conversion
■ 010-160-206	1	Personal Protective Equipment (12-93)	010-201-010	1	Work Reporting of Central Office Activities — Special Services Serving Bureaus
■ 010-160-212	1	Procedures for the Control of Hazardous Energy Lockout/Tagout	Appendix 1	1	Account 603.4 — Interoffice Testing
■ Revision 1	4/95		Appendix 2	1	Account 604.1 — Ordinary Repair of Central Office Equipment
■ 010-160-215	1	AT&T Manufacturing Location Hazard Communication Program	010-210-001	1	Edge Sorted Cards — Method of Coding, Punching and Sorting
■ Addendum	1		010-250-001	1	Crediting Charges on Test Calls
■ 010-160-250	2	AT&T Laser Safety Standard — For Users and Manufacturers	<b>010-3 Administrative Methods</b>		
■ Appendix 1	1	Referrals/Forms To Use During An Employee Injury/Illness	<b>010-300/309 Maintenance Methods</b>		
■ Revision 1	7/94		Addendum	1	
■ 010-160-260	3	Accident Reporting Procedures (3-94)	010-300-010	2	Controlled Maintenance Plan for Transmission and Signaling Equipment Serving All Trunks and Special Services
■ Revision 1	6/94		010-300-011	8	Equipment Test Lists — Description
■ 010-160-265	3	Occupational Health and Safety and Environmental Protection Plan	● 010-300-020	3	Plug-In Inventory Control System — Central Office Procedures
■ 010-160-265A1	1	International Occupational Health and Safety and Environmental Protection Plan (12-94)			
■ 010-160-266	2	Driver Education Index			
■ Addendum	1				
■ 010-160-267	1	Eye Protection			
■ Revision 1	6/94				
■ 010-160-268	2	First Aid Kit Practices (3/94)			
■ 010-160-271	2	Powered Industrial Vehicles — Methods and Procedures			
■ Appendix 1	1	Contacts for AT&T Practice — Powered Industrial Vehicles — Methods and Procedures			

Number	Issue	Subject	Number	Issue	Subject
010-300-030	2	Plug-In Inventory Control System (PICS)/ — Detailed Continuing Property Record (DCPR) — Joint Ownership Reporting Procedures	010-303-108	1	Inter-Business Unit Trouble Resolution Process — Section 8 — AMS
Addendum	2		010-303-109	1	Inter-Business Unit Trouble Resolution Process — Section 9 — Paradyne
010-301-001	2	Quality Review Plan for Trunks and Toll Special Services — Evaluation and Review Procedures	010-303-110	1	Inter-Business Unit Trouble Resolution Process — Section 10 — Network Systems
■ 010-302-100AC	2	Digital Control Office (DCO) Maintenance Guidelines	010-303-121	1	Inter-Business Unit Trouble Resolution Process — Job Aid 1 — Customer Trouble Reporting Numbers Reference
■ Appendix 1AC	1	Asset	010-303-122	1	Inter-Business Unit Trouble Resolution Process — Job Aid 2 — Business Unit Data Requirements
■ Appendix 2AC	1	Granger 7400 Transmux	010-303-123	1	Inter-Business Unit Trouble Resolution Process — Job Aid 3 — 1-800-INTER-BU Calling Procedures
■ Appendix 3AC	1	Digital Office Manager	010-303-124	1	Inter-Business Unit Trouble Resolution Process — Job Aid 4 — Products/Services per Business Unit
■ Appendix 4AC	1	MPAC 2500 Mini-Node Technology	010-303-125	1	Inter-Business Unit Trouble Resolution Process — Job Aid 5 — Business Unit Severity Levels
■ Appendix 5AC	1	Digital Data Service DDS/DACS	010-303-126	1	Inter-Business Unit Trouble Resolution Process — Job Aid 6 — Inter-BU Process Expectations
■ Appendix 6AC	1	Digital Central Office — Packet Network Interface (PNI)	010-303-127	1	Inter-Business Unit Trouble Resolution Process — Job Aid 7 — Service Coverage Options
■ Appendix 8AC	2	Universal Services Echo Canceled (USEC)	010-303-128	1	Inter-Business Unit Trouble Resolution Process — Job Aid 8 — General Billing Principles
■ Appendix 10AC	2	745 ACCULINK®	010-303-129	1	Inter-Business Unit Trouble Resolution Process — Job Aid 9 — Acronyms
010-303-000	1	Telecommunications Service Priority (TSP) Description and Procedures	010-303-131	1	Inter-Business Unit Trouble Resolution Process — Network Systems Quick Reference
010-303-100	1	Inter-Business Unit Trouble Resolution Process NOTE: This includes -101 thru -110, -121 thru -129, Tabs and Binder	010-303-132	1	Inter-Business Unit Trouble Resolution Process — GBCS Quick Reference
010-303-101	1	Inter-Business Unit Trouble Resolution Process — Section 1 — Contents	010-303-133	1	Inter-Business Unit Trouble Resolution Process — Paradyne Quick Reference
010-303-102	1	Inter-Business Unit Trouble Resolution Process — Section 2 — Introduction			
010-303-103	1	Inter-Business Unit Trouble Resolution Process — Section 3 — Overview			
010-303-104	1	Inter-Business Unit Trouble Resolution Process — Section 4 — GBCS			
010-303-105	1	Inter-Business Unit Trouble Resolution Process — Section 5 — GIS			
010-303-106	1	Inter-Business Unit Trouble Resolution Process — Section 6 — Inbound/Outbound			
010-303-107	1	Inter-Business Unit Trouble Resolution Process — Section 7 — DCS			

Number	Issue	Subject	Number	Issue	Subject
<b>010-310 General Personnel Methods</b>			■ 010-311-031	1993	Organizational Energy Valuing Relationship (Video)
010-310-105	1	ATS (AT&T Transfer System) Overview	■ 010-311-032	1993	Personal Patterns Valuing Relationship Video Reference Guide
Addendum	5/94		■ 010-311-033	1993	Personal Patterns Valuing Relationship (Video)
010-310-110	3/94	ATS/ARS Supervisor Package	■ 010-311-034	1993	Interpersonal Synergy Valuing Relationship Video Reference Guide
010-310-112	01/90	Job Skills Dictionary	■ 010-311-035	1993	Interpersonal Synergy Valuing Relationship (Video)
Addendum	5/94		■ 010-311-036	1/94	Valuing Relationship Video Series Cover Letter
010-310-113	2/94	AT&T Transfer System (ATS) — AT&T Rehire System (ARS) Information Package	■ 010-311-037	1993	Number to Order 010-311-036, -030, and, -031
010-310-114	5/93	AT&T Transfer System (ATS) — AT&T Rehire System (ARS) Reference Card	■ 010-311-038	1993	Number to Order 010-311-036, -032, and, -033
010-310-117	12/89	Supervisor Interview Guide Instructions	■ 010-311-039	1993	Number to Order 010-311-036, -034, and, -035
010-310-118	12/89	Job Requisition Instructions	■ 010-311-050	1	Money in Motion Financial Package (with 5-1/4 in. diskette)
010-310-120	1	AT&T Transfer System Video	■ 010-311-051	1	Money in Motion Financial Package (with 3-1/2 in. diskette)
■ 010-310-130	1	Telecommuting	■ ⊕010-311-054	1	Money in Motion Video Tape (SECAM VHS)
<b>010-311 Human Resources</b>			■ ⊕010-311-056	1	Money in Motion Video Tape (SECAM VHS Horizontal Version — Middle East or Arabic)
010-311-010	10/90	Diversity Letter of Notice	■ 010-311-110	3/94	ATS Oscar — Pathfinder
⊕010-311-011	1987	Managing Differences (1/2" VHS)	■ Addendum	12/93	
⊕010-311-012	1987	Diversity at Work (1/2" VHS)	■ 010-311-111	06/93	ATS Oscar — User Guide
⊕010-311-013	1987	Communication Across Culture (1/2" VHS)	■ 010-311-112	01/92	ATS OSCAR Career/Resource Policies and Practices
⊕010-311-014	1990	You Make the Difference (1/2" VHS)	010-311-122	1/92	IMS Folder/Packets
⊕010-311-015	1990	Supervising Differences (1/2" VHS)	010-311-133	1	Workplace of the Future — Unions and the Democratic Vision
⊕010-311-016	1990	Champions of Diversity (1/2" VHS)	010-311-134	1	Workplace of the Future — The New New Product Development Game
⊕010-311-017	1990	Profiles in Change (1/2" VHS)	⊕010-311-135	1	Workplace of the Future — Transcripts
010-311-021	1987	Managing Differences Guide (Chained to -011)	010-311-136	1	Workplace of the Future — Transcripts VHS Video
■ 010-311-022	1987	Diversity at Work Guide (Chained to -012)	⊕010-311-137	1	Workplace of the Future — Condensed Transcripts
010-311-023	1987	Communications Across Cultures Guide (Chained to -013)	⊕010-311-138	2/94	Workplace of the Future — Condensed Transcripts VHS Video
010-311-024	1990	You Make the Difference Guide (Chained to -014)	010-311-139	1	Workplace of the Future Post Conference Report (brochure)
010-311-025	1990	Supervising Differences Guide (Chained to -015)			
010-311-026	1990	Champions of Diversity Guide (Chained to -016)			
010-311-027	1990	Profiles in Change Guide (Chained to -017)			
■ 010-311-030	1993	Organizational Energy Valuing Relationship Video Reference Guide			

Number	Issue	Subject	Number	Issue	Subject
⊕010-311-140	6/93	Workplace of the Future Full Length Version AT&T/IBEW Conference June 16, 1993 (VHS Video)	010-311-159	1	Workplace of the Future — G.E. Keeps Those Ideas Comming
⊕010-311-141	6/93	Workplace of the Future Edited Version AT&T/IBEW Conference June 16, 1993 (VHS Video)	■ 010-311-160	1	The Global Business Communication Systems Associate Support Guide (5/pk)
⊕010-311-142	6/93	Workplace of the Future Luncheon Speaker Bernard Delury AT&T/IBEW Conference June 16, 1993 (VHS Video)	⊕010-311-161	9/94	Workplace of the Future — NSD-NOET Quality/Process Management (Video)
⊕010-311-143	6/93	Workplace of the Future Bob Alens Introduction 3:48	010-311-163	8/94	Quality Improvement Cycle Team Leader Training QU0101 — NSD-NOET
010-311-144	6/93	Workplace of the Future Booklet	■ 010-311-165	11/94	NSD's Activity Based Information Platform Student Guide
010-311-145	1	Workplace of the Future Progress Report	010-311-167	1	Workplace of the Future QU0400 — NSD/NOET
Addendum	1		010-311-169	1	Workplace of the Future — Assessing Your Team; Team Members Manual (2-95)
010-311-146	1	Workplace of the Future Resource Guide	010-311-170	1	Workplace of the Future — Assessing Your Team Leader Pkg. (2-95)
010-311-147	1	Workplace of the Future — Creating the Corporate Future			
010-311-148	1	Workplace of the Future — Idealized Design: Creative Corporate Visioning	<b>010-313 Benefits</b>		
010-311-149	1	Workplace of the Future — The Coming of the New Organization	■ 010-313-010	12/91	Overview of Benefits and Employee Advantages
010-311-150	1	Workplace of the Future — Work Teams Can Rev Up Paper Pushers, Too	■ 010-313-020	1/94	Supervisor's Guide to OEPS (Occupational Employment Placement System)
010-311-151	1	Workplace of the Future — Values Make the Company. An Interview With Robert Haas			
010-311-152	1	Workplace of the Future — Creating Quality Cultures in the East and West	<b>010-315 Employee Profile</b>		
010-311-153	1	Workplace of the Future — Different Teams for Different Folks	■ 010-315-000	3	Employee Profile Reference Guide Asset/EPs Reference Guide
010-311-154	1	Workplace of the Future — To Create Quality, First Create the Culture			
010-311-155	1	Workplace of the Future — What Should the Learning Organization Learn	<b>010-320 Corporate — Personnel, Employment</b>		
010-311-156	1	Workplace of the Future — Redesigning Sociotechnical Systems Design: Concepts and methods for the 1990's	010-320-063	1	Occupational Performance Appraisal
010-311-157	1	Workplace of the Future — Managing Without Managers	■ 010-320-079	1/95	OTT-Plus Supplement
010-311-158	1	Workplace of the Future — How I Learned to Let My Workers Lead	■ Addendum	9/94	
			■ 010-320-080	02/94	Separation Package — Involuntary Includes: One Supervisor's Guide and One Employees Guide
			■ 010-320-081	10/94	Separation Package — SIPP/VIPP Includes: One Supervisor's Guide and One Employees Guide

Number	Issue	Subject	Number	Issue	Subject
■ Addendum	4/93		■ 010-400-003	1	Word Processing Reference Manual
■ 010-320-082	6/91	Com Package — Non-Management — Includes One Supervisor's Guide and Five Employee Guides	■ Appendix 1	1	Introduction
■ 010-320-083	8/93	Income Protection Plan (SIPP)	■ Appendix 2	1	Major Steps In the Workflow Cycle
■ 010-320-084	11/92	AT&T OP VRCP Communication Package	■ Appendix 3	1	Service Tracking System
■ 010-320-085	9/93	Special Leave Program/Occupational Employees	■ Appendix 4	1	Generic Job Descriptions
■ 010-320-087	06/93	Administration Guide — Occupational Force Management Includes: Text, Tabs and Cover/Spine Inserts for 2" Binder	■ Appendix 5	1	Word Processing User's Manual
■ 010-320-088	9/93	Extended Employment Compensation Option — Employee Communication Package	■ Appendix 6	1	Word Processing Equipment Implementation
■ 010-320-089	10/94	Extended Compensation Separation Package	■ Appendix 7	1	AT&T Correspondence Guidelines
■ 010-320-090	04/91	Career Transfer — At Risk Employee Package (PACT)	■ Appendix 8	1	Guidelines for Preparing Viewgraphs
■ 010-320-091	04/91	Career Transfer — Retained Employee Complete Package (PACT)(Only Management Employees May Order)	■ Appendix 9	1	General References
■ 010-320-092	12/91	Career Transfer — Supervisor's Manual	■ Appendix 10	1	Local Use
■ 010-320-100	06/91	Separation Package — SIPP/VIPP (Atlanta Payroll)	■ 010-400-004	1	Correspondence Guidelines
■ 010-320-102	11/93	Complete Package — Non-Bargained Occupational SIPP & VIPP	■ 010-400-005	1	Secretarial Procedures Manual
			■ 010-400-006	1	Secretarial Procedures Manual for EUC and Corporate Headquarters
			■ 010-400-007	1	Secretarial Procedures Manual for Technologies and CSO
			■ 010-400-025	10/89	Copier Selection/Procurement Process
			■ 010-400-031AC	1	Mail Center Operations Guidelines
			■ 010-400-034AC	1	Mail Center Design & Equipment Guide
			■ 010-400-035	3	External Mail Delivery Guide
			■ 010-400-041AC	1	Methods and Procedures for Records Management
			■ Appendix 1AC	1	Records Management Responsibilities
			■ Appendix 2AC	1	Records
			■ Appendix 4AC	1	How to Organize Records
			■ Appendix 5AC	1	Indexing, Filing, and Retrieval Systems
			■ Appendix 7AC	1	Records Retention
			■ Appendix 8AC	1	Antitrust Document Retention
			■ Appendix 9AC	1	Computerized/Electronic Systems — Retention
			■ Appendix 10AC	1	Storing Records
			■ Appendix 11AC	1	RPCs (Records Protection Centers)
			■ Appendix 12AC	1	Departmental Quality Reviews
			■ Appendix 13AC	1	Contacts for Records and Information Management
<b>010-321 Corporate Recruiting</b>					
010-321-010	1	Student Employee Programs (Brochure) (100/pkg)			
■ 010-321-015	1	Connect With the Future (50/pkg) (AT&T Campus Recruitment Literature)			
■ 010-321-016	1	Connect With the Future (Tri-fold Brochure) (50/pkg) (AT&T Campus Recruitment Literature)			
<b>010-4 Support Services</b>					
■●010-400-002AC	1	User's Guide Communicating Using the AT&T 6300 Personal Computer — SAMNA Word III and Crosstalk			

Number	Issue	Subject
■ 010-400-042AC	1	Records Protection
■ Appendix 1AC	1	Glossary — Records and Information Management (RIM) Terms
■ Appendix 2AC	1	Potentially Vital Information/Records by Function
■ 010-400-043AC	1	Micrographics
■ Appendix 1AC	1	Glossary of Micrographic Terms Used in AT&T Practices
■●010-400-050AC	1	Minority and Women Business Enterprise Program — Methods and Procedures
■ 010-400-052AC	1	Material Safety Data Sheet
■ Appendix 1AC	1	Hazardous Material Article
■ 010-400-061	1	Food Services Operations Manual
■ 010-400-070	1	Building Operations Support System (BOSS) Floor Space Report

#### 010-410 Network Communications Services

##### AT&T Mail

010-410-100	1991	AT&T GMS — User's Guide
010-410-101	1	AT&T GMS — Command Card
010-410-102	1	AT&T GMS — Mailtalk User's Guide
010-410-103	1	AT&T GMS — Pricing Guide
010-410-104	1	AT&T GMS — Billing Guide
010-410-105	1	AT&T GMS — Registration Form
010-410-106	1	AT&T Mail — Service Update
010-410-107	1	AT&T GMS — Pricing Update
010-410-108	1	AT&T GMS — International/Domestic Accounts
010-410-109	1	AT&T GMS — UNIX®* User's Guide
010-410-110	1	AT&T GMS — LAN User's Guide
010-410-111	1	AT&T GMS — Gateway 400
010-410-113	1	AT&T GMS — UNIX Administrator's Guide

##### AT&T Enhanced FAX

010-410-208	1	AT&T Enhanced Fax — User's Guide (1/91)
010-410-300	07/90	Enhanced FAX Training

Number	Issue	Subject
<b>010-5 Administrative Coordination Methods</b>		
<b>010-501 Network Systems — Sales Operations Procedures</b>		
■ 010-501-013	4/91	Network Systems Customer Service — Understanding the AT&T Order Processing Systems
■ 010-501-014	1	CSR — Advance Planning Job
■ 010-501-015	12/90	Customer Service Representative (CSR) — Advanced Planning
■ 010-501-016	12/90	CSR—Engineer, Furnish, and Install
■ 010-501-017	12/90	CSR — TCE Orders
■ 010-501-019	12/90	CSR — Plant
■ 010-501-020	12/90	CSR — Lighthouse and Exchange Cable
■ 010-501-021	1	Customer Service Rep. CEE
■ 010-501-025	2	Editor — Editing and Sourcing
■ 010-501-026	2	Editor — Discrepancy Clearance/Reports
■ 010-501-028	12/90	Expediter
■ 010-501-029	1	Customer Service Representative Expediter Job Aid
■ 010-501-031	12/90	Customer Service Clerk
■ 010-501-035	4/91	Reference Manual
■ 010-501-040	8/87	Network Systems — Technical Consulting
010-501-100	1	ICISS (Interactive Customer Invoicing Support System)
010-501-115	1	Customer Billing Information
010-501-120	1	Customer On Line — Miscellaneous
■ 010-501-125	2	COTS User's Guide (11-93)
■ 010-501-140	1	ICOPS Information Guide
■ 010-501-145	1	Customer Billing Information System (CBIS) Data Description Guide (4-95)
010-501-200	1	Your Corporate Telecommute Handbook (for switching acct. reps) (includes: handbook, pocket folder, brochure, and sample letter)
<b>010-502 Business Communications Systems</b>		
■ 010-502-030	4/91	AT&T Service Contractor Handbook

\* UNIX is a registered trademark of Novell, Inc.

Number	Issue	Subject	Number	Issue	Subject
■ 010-502-040	3	Project Manager's Guide (for Sales and Installation Capability)	■ 010-504-105	1/95	Financial Coding Guide — NSD (Network Services Division)
■ 010-502-041	1	Software Associate/Specialist Job Aid	■ Appendix 1	1/95	Job Aid for NSD Product Services Codes
■ 010-502-042	1	Order Entry/Billing Administrator Guide	■ 010-504-106	3/94	Financial Coding Guide — CSF (Common Support Functions)
■ 010-502-043	1	Assistant Contract Manager's Guide	■ 010-504-107	10/93	Financial Coding Guide — CSFO
■ 010-502-060	1	Account Executives Streamlined Implementation Guide	■ 010-504-108	8/94	Financial Coding Guide — IMS (Information Management Service)
<b>010-504 Corporate Accounting/Financial</b>			■ Addendum	4/93	
■ Addendum	1/95		■ 010-504-109	4/93	Financial Coding Guide — CP (Communications Products)
■ 010-504-020	5	Financial Management Language (FML) Standards	■ 010-504-112	10/92	Financial Coding Guide BS (Includes Key-Word Index)
■ 010-504-021	1	FML Strategic Logical Data Model (11-94)	■ 010-504-113	10/92	Financial Coding Guide BS (Includes Key-Word Index)
010-504-030	3/94	Revenue Journalization Management (RJM) Reference Card	■ 010-504-114	5/92	AI 1 (Accounting Instructions)
■ 010-504-031	1994	RJM Revenue Account Glossary Revenue Journalization Management Accounting Glossary	■ 010-504-115	1/95	AI 2 (Accounting Instructions)
■ 010-504-032	4/94	Revenue Journalization Management (RJM) Communications Services Financial Code Reference	■ Addendum	11/94	
■ 010-504-061	5/93	AFIRS User Guide (2 Vol. Set)	■ 010-504-116	10/93	AI 3 (Accounting Instructions)
■ Addendum	8/94		■ Addendum	5/92	
■ 010-504-065	1	Financial Inventory Reporting Subledger and Tracking (FIRST) User Guide	■ 010-504-117	2	AI 4 (Accounting Instructions)
■ 010-504-066	10/93	Network Systems Visibility Platform (NSVP) User's Guide	■ 010-504-118	11/93	AI 5 (Accounting Instructions)
■ Addendum	3/95		■ Addendum	10/94	
■ 010-504-070	1/95	PRISM (Process Initiative Services Management) User Guide	■ 010-504-119	11/93	AI 6 (Accounting Instructions)
■ 010-504-101	12/94	Financial Coding Guide — CCS (Consumer Communications Services)	■ 010-504-120	4/93	AI 7 (Accounting Instructions)
■ 010-504-102	1/95	Financial Coding Guide — BCS (Business Communications Services)	■ 010-504-122	1/95	Chart of Accounts — CCS
■ 010-504-103	12/93	Financial Coding Guide — ICS (International Communications Services)	■ 010-504-123	2/95	Chart of Accounts — BCS
■ Addendum	9/93		■ 010-504-124	2/93	Chart of Accounts — IOD
■ 010-504-104	10/92	Financial Coding Guide — ELS (AT&T Easylink Service®)	■ 010-504-125	7/92	Chart of Accounts — ELS
			■ 010-504-126	9/94	Chart of Accounts — NSD (Network Services Division)
			■ 010-504-127	3/94	Chart of Accounts — CSF
			■ 010-504-128	10/92	Chart Of Accounts — CSFO
			■ 010-504-129	8/94	Chart of Accounts — IMS
			■ 010-504-130	4/93	Chart of Accounts — CP
			■ 010-504-132	3/93	Chart of Accounts — BNS
			■ 010-504-133	10/92	Chart of Accounts — BS
			■ 010-504-134	10/92	Chart of Accounts — CS
			■ 010-504-145	1/95	Project Service Hierarchy — List of CCS's Domestic and International Product/Service (P/S) Managers, P/S Hierarchies and P/S Codes
			■ 010-504-200	2/95	Corporate Accounts Payable Policy and Procedures Manual



Number	Issue	Subject	Number	Issue	Subject
□■ Addendum	1		010-510-211	1	AT&T Communications
□■ 010-504-201	5	Financial Management Language Strategic Logical Data Model — October 1994	010-510-212	1	AT&T Technologies
			010-510-213	1	Comptrollers
			010-510-214	1	Centralized Operations Group
<b>010-505 Administration of Designed Services</b>			<b>Inquiries, Orders, Project Planning, and Marketing Requirements</b>		
Addendum	1		● 010-510-300	2	Inquiries, Memorandum, and Orders
010-505-100	2	Administration of Designed Services	010-510-301	1	Control Team Assignment
			010-510-302	1	Interval Determination Procedures
<b>010-506 AT&amp;T Corporate Business Practices</b>			010-510-303	1	Project Planning and Coordination
■ 010-506-100	1	AT&T Business Case Standards	010-510-304	1	Tracking Systems and Status Handling Procedures
<b>010-510 ISSC (Interfunctional Special Services Coordination)</b>			010-510-305	1	Escalation Procedures
<b>Administration</b>			010-510-306	1	Provisioning Analysis Procedures
010-510-001	1	Bell System Practices Numerical Index	010-510-307	1	Multi-State Marketing Requirements
010-510-005	1	Glossary	<b>ISSC — AT&amp;T Communications</b>		
010-510-100	1	Overview	■ 010-510-900AC	1	Practice References and Acronym Definition
010-510-105	1	Administrative Team Responsibilities	■ 010-510-902AC	2	Overview
010-510-110	1	Special Services Provisioning Process	■ 010-510-903AC	2	Headquarters Administrative Team Responsibilities
010-510-120	1	Area Team Responsibilities	■ 010-510-904AC	2	Regional Team Responsibilities
010-510-121	1	Area Chairperson — Responsibilities	■ 010-510-905AC	2	Regional Chairperson Responsibilities
<b>Organizational and Area Team Member Responsibilities</b>			■ 010-510-906AC	2	Business Marketing
● 010-510-200	2	Business Service Center	■ 010-510-908AC	2	Organizational and Regional Area Team Responsibilities — Customer Service Design Engineer
010-510-201	1	Business Marketing	■ 010-510-909AC	2	Organizational and Administrative Team Responsibilities — Accounting
010-510-202	2	Business Relations — Other Common Carriers	■ 010-510-910AC	2	Organizational and Regional Team Member Responsibilities — Network Services — Network Implementation
● 010-510-203	2	Bell-Independent Relations	■ 010-510-911AC	2	Organizational and Region Team Responsibilities External Affairs — Industry Relations
010-510-204	1	Business Marketing — Customer Education Delivery	■ 010-510-912AC	2	Escalation and Jeopardy
010-510-205	1	Network Services — Circuit Provision Center	■ 010-510-913AC	2	Project Planning and Coordination Procedures
010-510-206	1	Network Services — Distribution Service			
010-510-207	1	Support Services — Materials Management			
010-510-208	1	Network Services — Network Implementation			
010-510-209	1	Installation and Maintenance			
010-510-210	1	Business Segment Engineering Center			

Number	Issue	Subject
■ 010-510-914AC	2	Intervals/Expedites
■ 010-510-915AC	2	Service Inquiries, Service Request, and Confirming Informal Orders Private Line, WATS/800 Services
■ 010-510-916AC	2	Completion Procedures
■ 010-510-920AC	2	Organizational and Headquarters Team Member Responsibilities AT&T Business Relations Interchange Carriers and Resellers
■ 010-510-921AC	2	AT&T WATS/800 Service/Expedites
■ 010-510-922AC	1	Work Stoppage Procedures

**010-511 Cost Management — Natural Unit Inventory — Statistics Definitions and Source**

**Inventory Facilities**

■ 010-511-010AC	1	AT&T Switched Network
■ 010-511-011AC	1	AT&T Switched Networks
■ 010-511-020AC	1	Facilities
■ 010-511-030AC	1	Special Services
■ 010-511-031AC	1	Cost Management — Manual Natural Unit Inventory Items Special Services
■ 010-511-040AC	1	Customer Premise Equipment Services
■ 010-511-050AC	1	Support Services

**Operations Department — Classified Hours and Materials Reports**

■ 010-511-060	3	General Accounting
■ Appendix 1	2	Glossary
■ Appendix 2	2	References
■ 010-511-061	4	Mini Computers
■ Appendix 1	4	Mini-Computer Maintenance Chart
■ Appendix 2	3	Cost of Service
■ 010-511-062	4	Support Services Expense Accounting
■ Appendix 1	4	Cross Reference Table
■ Appendix 2	5	FML Account Coding of Chargebacks
■ Appendix 3	3	Suffix Translation Table
■ 010-511-063	2	Telecommunications Plant Account
■ Appendix 1	3	Capital and Depreciation Accounts

Number	Issue	Subject
■ 010-511-064	5	Operating Expense Accounts
■ Appendix 1	5	Telephone Plant Maintenance Accounts
■ 010-511-065	3	Operations Department Classified Hours And Materials Reports — Special Service Serving Bureaus (5-92)
■ 010-511-066	3	Miscellaneous Time Charges
■ Appendix 1	3	Non-Productive Time Reporting
■ 010-511-067	1	Network Services Division — Product Service/Study Code— Definition and Elements

**010-512 CSO (Central Service Organization)**

■ 010-512-100	1	CSO Accounts Payable Policy and Procedures Manual (10/91)
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**010-514 Consumer Communications Services (CCS)**

■ Addendum	10/93	
■ 010-514-100	10/93	CLD/DS CAM Team Process Documentation
010-514-110	1/95	Data Management CCS Account Maintenance Process Flows

**010-515 Network Services Division**

■ Addendum	2	
■ 010-515-150	1	Contract Procedures Handbook

**010-521 FAST (Field Assistance and Support Team)**

Addendum	1	
010-521-100	2	Data Technical (DATEC) Support
010-521-101	7	DATEC Support — Designee Directory
010-521-200	2	Voice and Non-Data Special Services Technical (VOITEC) Support
010-521-300	1	Software Technical (SOFTEC) Support
010-521-400	1	Customer Switching Technical (CSTEC) Support

**010-522/523 NTS (Network Technical Support) Plan**

**AT&T-C (AT&T Communications)**

010-522-100	3	Description
010-522-101	3	Designee Directory

Number	Issue	Subject	Number	Issue	Subject
<b>BOCs (Bell Operating Companies)</b>			<b>010-8 Quality Planning and Processes</b>		
010-523-100	2	Description	<b>010-801 Quality Control — General Applications</b>		
010-523-101	2	Designee Directory	<b>AT&amp;T Quality Workbench</b>		
<b>010-555 Contract Billing System (CBS)</b>			010-801-010	1.4	SQC Troubleshooter with Software
■ 010-555-100	10/93	CBS Private Line User's Guide (Text Only)	010-801-013	3.0	STAR User Documentation
■ 010-555-101	10/93	CBS Private Line User's Guide (Tabs Only)	010-801-016	1	Quality Engineering Using ROBUST Design
<b>010-6 Installation, Planning, Development, and Change Notice Methods</b>			■ 010-801-020	3.0	STAR® (Statistical Analysis of Reliability) License/AT&T 6386 WGS
<b>010-600 Control Processes and Procedures</b>			■ 010-801-020R	05/91	Annual STAR Licence Renewal
■ 010-600-000AC	1	Control Responsibilities and Procedures	■ 010-801-021	3.0	STAR Licence for SUN* Work
<b>010-7 Engineering Complaint and Consumer Product Report Procedures</b>			■ 010-801-022	3.0	STAR Licence for DEC VAX†
010-700-010	3	Origination and Processing	■ 010-801-023	3.0	STAR Licence for IBM‡ System 370
■ 010-700-010AC	4	Customer Assistant Request — Originating and Processing	■ 010-801-024	3.0	STAR Licence Hotline Supplement
■ Appendix 1AC	4	Instructions for Form P3297	■Ⓢ010-801-030	3.0	STAR Installation Package for AT&T 6386 PC
■ Appendix 2AC	4	Number Plan Development	■Ⓢ010-801-031	3.0	STAR Installation Package for Sun-4/Sun SPARC Station
■ Appendix 3AC	4	Processing — Switching Systems	■Ⓢ010-801-032	3.0	STAR Installation Package for DEC VAX
■ Appendix 4AC	4	Processing — Facility Systems	■Ⓢ010-801-033	3.0	STAR Installation Package for IBM System 370
010-700-011	2	General Trade Products — Originating and Processing	■Ⓢ010-801-034	3.0	STAR Installation Package for SUN (9 Trk)
■ 010-700-011AC	1	Region Designed Arrangements — Originating and Processing	■Ⓢ010-801-041	3.0	AT&T STAR Installation Package for SUN
010-700-030	1	Procedure for Expedited Handling of Certain Defective Equipment and Apparatus — GEC-8400 and GEC-8800	■Ⓢ010-801-042	3.0	AT&T STAR Installation Package for DEC
010-701-010	1	Field Surveys of Products — General Description	■Ⓢ010-801-043	3.0	AT&T STAR Installation Package for IBM
<b>010-710 Product Engineering Control Center (PECC) Information Management System (PIMS)</b>			■Ⓢ010-801-044	3.0	AT&T STAR Installation Package for SUN
010-710-015	1	PIMS User's Manual	Ⓢ010-801-100	1	Q1000 Assembly Workbench— 3 1/2" book w/disk
			Ⓢ010-801-101	1	Q1000 Assembly Workbench— 5 1/4" book w/disk

\* SUN is a registered trademark of SUN Microsystems, Inc.

† DEC and VAX are registered trademarks of Digital Equipment Corporation

‡ IBM is a registered trademark of International Business Machines, Inc.

Number	Issue	Subject	Number	Issue	Subject
<b>010-802 Quality Education and Training</b>			■ 010-810-118	01/91	Development Test Management (BCP)
010-802-120	01/91	GRASS ROOTS* Presenter (Each)	■ 010-810-119	1	BCP Fast Decision Process
010-802-121	01/91	GRASS ROOTS Presenter (5 Box)	■ 010-810-120	--	BCP Quality Tools and Technology NOTE: This item includes all BCP documents.
010-802-125	01/91	GRASS ROOTS Partic. Guide (Each)	010-810-121	1	Systems Engineering Requirements Guidelines
010-802-126	01/91	GRASS ROOTS Partic. Guide (10 Box)	■ 010-810-122	10/92	SRE - Software Reliability Engineering Handbook (BCP)
<b>010-803 Resources for Quality Management</b>			■ 010-810-123	1	Digital Circuit Design Process (BCP)
■ 010-803-020	7/93	Quality Team Excellence Sharing Rally - Network System News Makers Celebrating Success (2nd Annual Meeting)	■ 010-810-124	1/94	Digital Design Verification (BCP)
■ 010-803-101	1	Self-Managing Teams in the TQM (Total Quality Management) Environment	■ 010-810-125	2	BCP Code Inspection
■ 010-803-102	1	Policy Deployment	■ 010-810-126	--	Hardware package for BCP's Note: Includes 010-810-112, -117, & -123
■ 010-803-105	1	Empowerment and Coaching	■ 010-810-127	--	Software package for BCP's Note: Includes 010-810-114, -116, -118, -122, -125, & -128
<b>010-810 Corporate Support - Bell Labs</b>			010-810-128	1	Object Oriented Technology (BCP)
<b>Best Current Practices (BCP)</b>			010-810-129	2	Best Current Practice (Flyer) NOTE: Chained to All BCPs (010-810-111 thru 125 and 700-261)
010-810-100	2	Operation Engineering Workbook — PQMI	■ 010-810-130	2	Change Control for BCPS
■ 010-810-101	6/90	Operation Engineering — Flow Diagram Disk	■ 010-810-131	1/94	Software Quality (Draft)
010-810-105	1	Reliability By Design	■ 010-810-132	8/94	Artificial Intelligence
■ 010-810-106	1991	Reliability Information Handbook/Binder	■ 010-810-133	11/92	Project Management
■ 010-810-110	1	Quality Function Deployment For.	■ 010-810-134	8/93	Security Assessment Process
■ 010-810-111	12/90	Quality Function Deployment/BCP (Best Current Practices)	■ 010-810-135	10/92	Systems Engineering Process
■ 010-810-112	11/90	Hardware Design Check List/BCP	■ 010-810-136	8/94	Electro Magnetic Compatibility
■ 010-810-113	12/93	Project Management Audits/BCP	■ 010-810-137	8/94	Usability Engineering
■ 010-810-114	11/90	Spec Supported/Case (BCP)	■ 010-810-138	8/94	Software Component Management
■ 010-810-115	4/93	Software Cost Estimation (BCP)	■ Addendum	6/93	
■ 010-810-116	1	Architecture Valid (BCP)	■ 010-810-200	0	Overview and Process Model (1 of 7 in Mosaic Series) NOTE: To order complete library, order 010-810-207.
■ 010-810-117	03/91	Hardware Inspections (BCP)	■ 010-810-201	0	Software Design and Implementation (2 of 7 in Mosaic Series) NOTE: To order complete library, order 010-810-207.
			■ 010-810-202	0	Business Planning (3 of 7 in Mosaic Series) NOTE: To order complete library, order 010-810-207.

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Number	Issue	Subject
■ 010-810-203	0	Requirements and Architecture (4 of 7 in Mosaic Series) NOTE: To order complete library, order 010-810-207.
■ 010-810-204	0	Hardware Design (5 of 7 in Mosaic Series) NOTE: To order complete library, order 010-810-207.
■ 010-810-205	0	Testing and Verification Notebook (6 of 7 in Mosaic Series) NOTE: To order complete library, order 010-810-207.
■ 010-810-206	0	Current Engineering (7 of 7 in Mosaic Series) NOTE: To order complete library, order 010-810-207.
■ 010-810-207	--	Complete Library of Mosaic Series — Documents 010-810-200 through 010-810-206

**010-855 Transmission Systems**

■ 010-855-010	1	Transmission Business Unit Front-End Process Guidelines (12-91)
■ 010-855-011	1	Transmission Systems Business Unit — Requirements/Architecture Guidelines (1-94)

**Division 015**

**Customer Product and Services, Marketing, Public Relations**

- 015-0 Index and AT&T Corporate Information
  - 000 Index
  - 005 AT&T Corporate Information
- 015-1 AT&T Standards and Administration Procedures
  - 111 Universal Card Services
- 015-2 Product Liability — Safety
- 015-3 Marketing — Information
  - 300 General Information
  - 302 Network Systems — Marketing Operations — Training Material
  - 303 Network Systems — Customer Operations — Salesware Deliverables — Brochures, Fact Sheets, Folios
  - 309 Software Products — Salesware
  - 310 Test Equipment
  - 311 CFO HPS Project
  - 315 Power Equipment/Energy Systems
  - 316 Network Cable Systems
  - 317 Outside Plant Systems
  - 319 Operations Support Systems
  - 321 Switching Systems and Signaling Systems
  - 325 Network Systems and Services
  - 327 Cellular Systems and Services
  - 330 Transmission Systems and Services
  - 338 Business Communications
  - 340 Network Systems Products
  - 350 Consumer Products and Services
  - 358 Business Communications Systems and Services
  - 360 Computer Products and Services
  - 370 International Communications Services
- 015-5 Public Relations

Number	Issue	Subject
<b>015-0 Index and AT&amp;T Corporate Information</b>		
<b>015-000 Index</b>		
015-000-000	22	Numerical Index — Division 015 — Product Information — General, Marketing, Etc. (5-95)
<b>015-005 AT&amp;T Corporate Information</b>		
015-005-001	4/95	AT&T Fact Book
■ 015-005-020	8/93	CCS Organization Directory
■ 015-005-040	1	AT&T Telephone Directory for AT&T Business Systems Customers
■ 015-005-041	1	AT&T Telephone Directory Multi-Location Supplement
■ 015-005-050	1	AT&T Telephone Directory Template
■ 015-005-051	1	AT&T Telephone Directory Diskette Software Program
<b>015-111 Universal Card Services</b>		
015-111-025	1	USC Summary of 1992 Application for Malcolm Baldrige Quality Award (4/93)
<b>015-2 Product Liability — Safety</b>		
■ 015-200-010	1	Product Liability Market Entry Risk Assessment
■ 015-200-015	3	Product Design for Safety Practice
■ 015-200-016	2	User's Guide for Product Design for Safety Practice
■ 015-200-020	1	Product Safety Labeling
■ 015-200-025	1	Product Remedial and Retrieval Practice
■ 015-200-030	1	Consumer Products Safety Practice
■ 015-200-035	1	Customer Equipment AC Grounding
■ 015-200-040	1	Abnormal Potential Test Method
■ 015-264-010	1	Corporate Architecture and Standards — Premises Data Communications

Number	Issue	Subject	Number	Issue	Subject
<b>015-3 Marketing — Information</b>			015-309-023	1	AT&T Product Brochure (10/pkg.)
<b>015-300 General Information</b>			<b>015-310 Test Equipment</b>		
■ 015-300-105	1	Corporate Architecture Standards — IMS Functions and Products (Volume 1)	015-310-110	1991	Intelligent Private Line Market Plan and Sales — Implementation Document
■ 015-300-106	1	Corporate Architecture Standards — IMS Software Interconnection (Volume 1)	<b>015-311 CFO HPS Project</b>		
■ 015-300-107	1	Corporate Architecture Standards — Volumes 1 and 2)	■ Addendum	1	
<b>015-301 Network Systems — Customer Information Center (CIC)</b>			■ 015-311-150	1	CFO HPS Toolkit Case
015-301-020	1	E-Master Capabilities (brochure)	■ 015-311-151	1	CFO HPS Primer: First Things First (first tool box)
<b>015-302 Network Systems — Marketing Operations — Training Material</b>			■ 015-311-152	1	CFO HPS Foundation: Begin With the End in Mind (second tool box)
■ 015-302-005	8	Lines of Business Orientations	■ 015-311-153	1	CFO HPS Diversity (third tool box)
■ 015-302-010	1	Ventures and Alliances Handbook (9/93)	■ 015-311-154	1	CFO HPS Development and Career Planning (forth tool box)
■ 015-302-015	3/95	Competitive Intelligence Reference - Telecommunication, Marketing and Industry, End Users, Network Services Providers, and Competitors	■ 015-311-155	1	CFO HPS Recruiting
■ 015-302-160	2	Special Services Automation	■ 015-311-156	1	CFO HPS Entire Program Set
<b>015-303 Network Systems — Customer Operations — Salesware Deliverables — Brochures, Fact Sheets, Folios</b>			■ Addendum	1	
■ 015-303-100	4/90	AT&T - We are a Nationwide Servicing Organization	■ 015-311-157	1	CFO HPS Video Tape: A Framework for Engaging Our People
■ 015-303-103FS	3/91	Cellular Radio Plant Maintenance	<b>015-315 Power Equipment/Energy Systems</b>		
■ 015-303-104FS	3/91	Foreign Area Translator	015-315-201	9/89	Grounding System Services
■ 015-303-105FS	3/91	ISDN Installation and Maintenance	015-315-311	1	UPS User's Manual: Model 360VA UPS
■ 015-303-310	10/91	Broadband Basically ISDN Glossary — Broadband ISDN Forms	015-315-312	1	1/2 KVA Standby Power Product Manual
<b>015-309 Software Products — Salesware</b>			015-315-313	3	UPS Users Manual 3/5 KVA
015-309-021	1	ADW 0656 Maintenance Brochure	015-315-314	1	10 KVA Standby Power Product Manual
015-309-022	1	Applications Development Solutions Integrated Development Environment	015-315-330	1	AT&T Uninterruptable Power Systems (UPS) Competitive Product Comparison Marketing Guide
			015-315-331	1	250VA UPS
			015-315-332	1	750VA UPS
			015-315-333	1	-48VDC Enhanced DC Power Cabinet

Number	Issue	Subject
<b>015-316 Network Cable Systems</b>		
■ 015-316-101	1992	Fiber Optic Cable and Apparatus Guide for Industrial Applications
■ 015-316-102	1992	Fiber Optic Link Design Guide for Industrial Applications (7-92)
015-316-103	1/92	Wire Center Modernization Application Chart

<b>015-317 Outside Plant Systems</b>		
015-317-010	1	Connecting Your World (Brochure)
015-317-011	1	Breaking New Ground (Brochure)

<b>015-319 Operations Support Systems</b>		
015-319-011	1	Service Support Guide for Automated SMAS

<b>015-321 Switching Systems and Signaling Systems</b>		
015-321-011	1/89	Facility Protection Services — Marketing Guide
■ 015-321-015	1	Tekelec Corp. Sales Package

<b>015-325 Network Systems and Services</b>		
■ 015-325-020	1	Intelligent Answers with Smart Networks (VHS video & Brochure) (6-90)
■ 015-325-100	3/90	Services Performance Specifications: An Overview
■ Addendum	1	
■ 015-325-105	1	Understanding ISDN Kit
■ 015-325-108	1	ISDN Sales Guide
015-325-115	1	ISDN Enhanced Sound Advanced Technology Solutions for the Broadcasting Industry (06-92)
015-325-116	1	ISDN Enhanced Sound AT&T Revenue Opportunities in the Broadcasting Industry (6-92)

<b>015-327 Cellular Systems and Services</b>		
■ 015-327-101	8/91	Personal Communications Services

Number	Issue	Subject
<b>015-330 Transmission Systems and Services</b>		
■ 015-330-020	1	Transmission Network Management Product Marketing Disk
■ 015-330-021	1	DACS Product Family Marketing Disk (5-95)
■ 015-330-050	1	DACS The Newsletter That Explains Usage (4-95)
■ 015-330-051	1	DACS II, DACS III-2000 & DACS IV-2000 All RBOCS Edition 1.0 (4-95)
■ 015-330-052	1	DACS II & DACS III-2000 AMER-ITECH Edition 1.0 (4-95)
■ 015-330-053	1	DACS II, DACS III-2000 & DACS IV-2000 Bell Atlantic Edition 1.0 (4-95)
■ 015-330-054	1	DACS II, DACS III-2000 & DACS IV-2000 Bell South Edition 1.0 (4-95)
■ 015-330-055	1	DACS II SMET, DACS II, DACS III-2000 & DACS IV-2000 NYNEX Edition 1.0 (4-95)
■ 015-330-056	1	DACS II & DACS III-2000 Cincinnati Bell Edition 1.0 (4-95)
■ 015-330-057	1	DACS II Southwestern Bell Edition 1.0 (4-95)
■ 015-330-058	1	DACS II, DACS III-2000 & DACS IV-2000 US West Edition 1.0 (4-95)
■ 015-330-059	1	DACS II, DACS III-2000 & DACS IV-2000 Pacific Bell Edition 1.0 (4-95)
■ 015-330-060	1	DACS II, DACS III-2000 & DACS IV-2000 Canada Edition 1.0 (4-95)
■ 015-330-061	1	DACS II, DACS III-2000 & DACS IV-2000 Government Edition 1.0 (4-95)
■ 015-330-062	1	DACS II, DACS III-2000 & DACS IV-2000 CSG Edition 1.0 (4-95)
■ 015-330-063	1	DACS II & DACS III-2000 Cellular, ITCOS All Other Edition 1.0 (4-95)
■ 015-330-064	1	DACS II Mexico Edition 1.0 and DACS II & DACS III-2000 Latin America/Caribbean Edition 1.0 (4-95)
■ 015-330-065	1	DACS II & DACS IV-2000 NSI Edition 1.0 (4-95)
■ 015-330-066	1	DACS II & DACS III-2000 Asia/Pacific Edition 1.0 (4-95)



Number	Issue	Subject	Number	Issue	Subject
■ 015-330-070	1	DACS Family Configuration — Configuration and Displays Standard Cost and Calculations MOI & BGP 24 Channel DACS II, DACS II-ISX, I-2000 & DACS IV-2000 (4-95)	Appendix 1	2	Engineer Furnish and Install Agreement
■ 015-330-071	1	DACS Family Configuration — Configuration and Displays Standard Cost and Calculations MOI & BGP 30 Channel DACS II, DACS II-ISX, I-2000 & DACS IV-2000 (4-95)	Appendix 2	2	Engineering and Installation Service Agreement
■ 015-330-110	3.0	FT2000 Planning Tool OC-48 Lightwave System	Appendix 3	2	Installation Service Agreement
			Appendix 4	2	Service Agreement
<b>015-338 Business Communications</b>			<b>015-350 Consumer Products and Services</b>		
■ 015-338-100	4	Merlin Legend R3.0 Toll Fraud Overview	015-350-010	--	Consumer Sales and Service — Hardware NOTE: Issued twice monthly.
■ 015-338-110	2	Voice Mail Product Matrix	015-350-070	--	Business Office Handbook — NDSC NOTE: Issued twice monthly.
015-338-112	1	PARTNER® Family Product Sales and Marketing Guide 3.1	■ 015-350-100	--	CSPP Equipment Handbook
■ 015-338-113	1	The Next Teller: NR Solutions For the Banking Industry	■ 015-350-101	1	CSPP Equipment Handbook Tabs
015-338-114	1	Building the Perfect Partner Sales Kit Release 3.1	■ 015-350-110	1	Management Practices Equipment Guide
015-338-120	1	NSSD Serialization Job Aid (4 vol. set) (3-94)	015-350-125	2	Consumer Communications Services Programs, Products and Services
■ 015-338-125	1	Intuity Voice Processing Solutions Marketing & Sales Guide	<b>015-358 Business Communications Systems and Services</b>		
■ 015-338-126	1	Intuity Voice Processing Solutions Demo Tape (Video) Guide	■ 015-358-016	1	Sales Referral System (SRS)
■ 015-338-127	1	Intuity Road Show (Video)	■ 015-358-017	1	Customer Number Information
■ 015-338-134	6/92	800 Numbers for Customer Service: A 1992 Profile	■ 015-358-020	1	BCS Profit Assurance Manual
■ 015-338-140	1	Training Solutions for Small Business Division (SBD) Sales Aid	015-358-025	3	Services Reference Guide 1992/1993 Edition
■ 015-338-141	12-94	2-10 Do It Again Training Package	015-358-027	9/94	Business Communications Services Guide
■ 015-338-144	12-94	AE Briefcase Training Diskette	■ 015-358-101	1	LSI Definity Video Package
■ 015-338-145	9-94	Call Accounting Sales and Marketing Guide	015-358-103	1	Definity Systems Administration Slide Show and Script
■ 015-338-150	11-94	Distance Learning Solutions Marketing Guide	■ 015-358-110	1	CallVisor™ Marketing Guide
■ 015-338-160	3-95	Audio Visual Paging Guide	■ 015-358-111	1	DEFINITY G3 V2 Announcement & Application Guide (9-93)
<b>015-340 Network Systems Products</b>			■ 015-358-115	1	DEFINITY Call Center Connections Marketing and Sales Guide
015-340-010	--	Customer Operations Contracting Manual NOTE: Issued twice monthly.	015-358-116	1	DEFINITY G3V2 Cap Data Sheet
			■ 015-358-117	1	DEFINITY Video Training Series Tapes (1-94)
			■ 015-358-118	1	DEFINITY Video Training Series Book (12-93)
			015-358-119	1	DEFINITY G3 V3 Announcement Guide (4-94)

Number	Issue	Subject	Number	Issue	Subject
015-358-120	1	Conferencing Products Marketing Guide (8-90)	■ 015-358-156	6/93	Advance 800 Features Ready Set GROW! Ordering Guide
■ 015-358-122	1	AT&T BCS E911 Systems Marketing Guide (8-90)	■ 015-358-157	10/94	Outbound Order Negotiation System for Middle Markets Family of Services User's Guide
■ 015-358-124	1	AT&T Detail Manager Service Guide (7-91)	015-358-193	1	Uniplan Billing Power Kit (7-94)
■ 015-358-128	10/92	Billing Information Manager Services — Ready Reference Manual	■ 015-358-195	7/94	Uniplan Quality Assurance Check List
■ 015-358-129	1	Binder Only (for 015-358-128)	■ 015-358-196	1	AT&T Uniplan Post-Sales Implementation Users Guide
■ 015-358-130	8/91	Billing Option Pocket Guide (Sliderule) — Sales Aid	■ 015-358-197	1	Road to Simplicity Sales Kit
■ 015-358-131	4/92	AT&T Optimum Service PC Billing Package (Brochure)	■ 015-358-198	3.1	Uniplan Service Desktop Analysis Software Version 3.1
■ 015-358-132	8/91	Billing Information Manager Services — Ready Reference Manual on 3 1/2" Diskette	■ 015-358-200	1	Accumaster Services Workstation Marketing Guide
■ 015-358-133	8/91	Billing Information Manager Services — Ready Reference Manual on 5 1/4" Diskette	■ 015-358-201	1	Accumaster Services Workstation Slide Presentation
■ 015-358-135	1/95	AT&T 800 Services Advance Features and Network Management Sales Guide	■ 015-358-205	1	Accumaster Integrator Marketing Guide
015-358-137	1	AT&T Info Worx Sales Guide	■ 015-358-207	1	Accumaster Integrator Slide Presentation and Script
■ 015-358-138	6/92	Network Services Design (Brochure)	■ 015-358-220	1	AUDIX Promotional Campaign Package (Includes slide presentation, comparison matrix, news clips, testimonial, 3 sales briefs, brochure, and note pad)
■ 015-358-140	3/92	The Intelligent Marketing Guide	015-358-230	1	PICASSO® Still Image Phone Marketing Guide
015-358-140M	1	MEGACOM® Family Sales Kit	015-358-235	1	CAS for Windows brochure
015-358-141	1	MEGACOM Sales Kit (5-92)	■ 015-358-236	6/94	CAS for Windows Marketing and Sales Guide
015-358-142	1	MEGACOM Plus Sales Kit	■ 015-358-301	2-94	ASAAP Handbook (Account Strategy And Action Plan)
015-358-143	1	MEGACOM Optimum Sales Kit (5-92)	■ 015-358-304	1	Customer Focus Solutions: Financial Centers of Expertise (10/pkg) (12-94)
015-358-144	1	MEGACOM Promotion Sale Kit fall 1992	■ 015-358-310	1	AT&T Insurance Launch — Sales Starter Kit (3-95)
015-358-145	1994	AT&T Uniplan Sales Kit and Revised MEGACOM® Plus Sales Kit			
■ 015-358-146	4/93	MEGACOM Family of Services Billing Guide			
■ 015-358-147	4/93	Binder for 015-358-146			
015-358-148	1	Middle Market Win Over Campaign (3-93)			
015-358-149	6/93	AT&T Paradyne ACCULINK® Access Controller Special Offer			
■ 015-358-150	11/94	QUIPP (Quick Interexchange Pricing Plan) — User's Guide			
■ 015-358-155	4/94	800 Service Sales Demo Diskette — Platform Manager and On-line Call Detail Manager (2/pkg 3-1/2")			

**015-360 Computer Products and Services**

015-360-030	1	STARWAN LAN Interconnect Products Marketing Guide
015-360-031	1	STARWAN Network Connectivity Products Brochure
015-360-060	1	STARLAN®/WAN Folder
015-360-061	1	STARLAN 10 Hub (Insert)
015-360-062	1	STARLAN® SmartHub Manager Instructions

Number	Issue	Subject	Number	Issue	Subject
015-360-063	1	STARLAN Media Adapter (Insert)			
015-360-064	1	STARLAN Adapter Units (Insert)			
015-360-065	1	STARLAN Rack (Insert)			
015-360-066	1	STARLAN Routers (Insert)			
015-360-067	1	STARLAN ISDN (Inserts)			
015-360-068	1	STARLAN			
015-360-069	1	STARLAN			
<b>015-370 International Communications Services</b>					
■ 015-370-018	1	Alarms Standards Manual			
015-370-100	1	Accumaster® Management Global Offer (Brochure)			
015-370-105	1	Professional Services Brochure			
■ 015-370-106	1	Global Network Management Service			
015-370-108	1	Global SDN The Global Networking Sales Kit (4-93)			
<b>United Kingdom series</b>					
015-370-110	1	Accumaster® Management Global Offer (Brochure)			
015-370-115	1	Professional Services Brochure			
■ 015-370-116	1	Global Network Management Service			
<b>Spanish Series</b>					
015-370-120	1	Accumaster® Management Global Offer Brochure (Spanish)			
015-370-125	1	Professional Services Brochure (Spanish)			
015-370-126	1	Global Network Management Service			
<b>French Series</b>					
015-370-130	1	Accumaster® Management Global Offer Brochure (French)			
015-370-135	1	Professional Services Brochure (French)			
<b>Japanese Series</b>					
015-370-140	1	Accumaster® Management Global Offer (Brochure)			
015-370-145	1	Professional Services Brochure (Japanese)			
			<b>German Series</b>		
			■ 015-370-150	1	Accumaster® Management Global Offer (Brochure)
			015-370-155	1	Professional Services Brochure (German)
			<b>Europe</b>		
			015-370-801	1	AT&T Pan European Packet Service
			015-370-802	1	AT&T Accunet® Packet Service (Europe)
			015-370-803	1	AT&T Accunet® Spectrum Digital Services (Europe)
			015-370-804	1	AT&T European Data Networking Solutions Benefits
			015-370-806	1	(U.K.) AT&T Pan European Data Networking Solutions
			015-370-807	1	(U.K.) AT&T Accunet Packet Service Europe
			015-370-808	1	(U.K.) AT&T Accunet Spectrum of Digital SVC Europe
			015-370-809	1	(U.K.) AT&T European Data Networking Solutions for Benefits
			015-370-811	1	(German) Die Paneuopaisch En Datennetz Werk
			015-370-812	1	(German) AT&T Accunet Packet Service in Europe
			015-370-813	1	(German) AT&T Accunet Digital Service Palette in Europe
			015-370-814	1	(German) Die Vorteile Der Europäischen Datennetz
			015-370-816	1992	AT&T Interspan Frame Relay Service (Europe)
			■ 015-370-825	1	Entering the Global Network Arena Sales Kits — Bid Form, Sales Script, Network Solutions
			<b>015-371 International Business Systems and Services</b>		
			■ 015-371-101	10-92	Global Business Video — Sales and Marketing Guide
			015-371-105	12/94	Digital Exchange Business Services (DEBS) Centrex Selling Guide
			<b>015-372 International Switching Systems</b>		
			015-372-101	1	5ESS-2000 Switch System Overview

Number	Issue	Subject
015-372-102	1	5ESS-2000 Switch OA&M Marketing Overview
015-372-103	1	5ESS-2000 Switch AT&T Intelligent Network System Overview

**015-380 Transition Service**

015-380-012	4-91	1AESS Switch to 5ESS Switch Transition Support Service
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**015-5 Public Relations**

**015-501 Corporate Promotions**

■ 015-501-100	1	Any Time Any Where (Video) (9-94)
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**Division 019**

**Educational Material and Services** CEC, Dublin, Hickory Ridge, Etc.

**019-0 Index and General**

**019-1 Corporate Education And Training**

**019-2 Business Divisions**

**019-3 Hickory Ridge Training Center**

**019-5 Intellectual Property**

**019-W WIPS (Work Information Packages)**

Number	Issue	Subject
<b>019-0 Index and General</b>		
<b>019-000 Index</b>		
019-000-000	8	Numerical Index — Division 019 — Educational Services — CEC, Dublin, Hickory Ridge, Etc. (2-95)
<b>019-1 Corporate Education And Training</b>		
<b>019-101 Management Education and Training</b>		
019-101-010	1	Skill Kit SG/IQR Package (Pkg. includes 019-101-011 and 019-101-102 for CRS)
019-101-011	1	Skill Kit — Student Guide
019-101-012	1	Skill Kit — Instructor's Quick Reference
019-101-013	1	Skill Kit — Video Tape
019-101-030	1	AT&T Instructor and Student Guide — Format Guidelines
019-101-031	3	AT&T Training Development Planning and Quality Control Guide
019-101-035	1	AT&T Training Directory
019-101-040	1	Training Test Consultant
019-101-041	1	Training Delivery Consultant
019-101-042	2	Selecting and Managing Training Consultants

Number	Issue	Subject
019-101-050	1	Introduction to Computer Based Training
019-101-051	1	Managing the Process to Provide Electronic Training
019-101-052	1	Electronic Systems: Solutions for Training (VHS Video)
019-101-060	1	Guide to Effectiveness Testing of Performance and Improvement Materials (10-91)

**019-102 Performance Management Initial Training Partners**

019-102-101	1	Achieving World Class Performance (VHS Video)
019-102-102	--	Achieving World Class Performance (5 Books)
019-102-103	1	The Business Imperative (VHS Video)
019-102-104	1	The Business Imperative
019-102-105	1	Goal and Objective Setting (VHS Video)
019-102-106	1	Goal and Objective Setting
019-102-107	1	People Development (VHS Video)
019-102-108	1	People Development
019-102-109	1	Feedback, Coaching, and Recognition
019-102-110	1	Feedback, Coaching, and Recognition
019-102-111	1	Performance Review and Appraisal (VHS Video)
019-102-112	1	Performance Review and Appraisal
019-102-113	1	Initial Training Implementation Guide
019-102-115	0000	Performance Management Assistant NOTE: To order call 1-800-TRAINER

**Quality Education and Training**

Network Systems		
019-120-100	1	Total Quality Management Workshop

Number	Issue	Subject
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**019-2 Business Divisions**

**019-201 Network Systems**

- 019-201-010 1 Network Systems Orientation - Participants Manual
- 019-201-011 12/90 Network Systems Blueprint for Growth (VHS Video)

**019-203 Business Communications Services**

- Revision 1 7/94
- 019-203-010 4/94 Performance Management People Development — Skills and Knowledge — Associated Developmental Curricula — C and D Band Managers

**019-5 Intellectual Property**

- 019-500-010 3 Managing Intellectual Property

**Division 020**

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**General Information**

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**020-0 Indexes and General Requirements and Methods**

Number	Issue	Subject
<b>020-0 Indexes and General Requirements and Methods</b>		
020-000-000	5	Numerical Index — Division 020 — General Information — Division 020 to 178 Inclusive
020-008-711	4	Requirements and Adjusting Procedures Sections — Description and Structure
020-010-711	7	-D Apparatus — General Requirements and Definitions
020-012-711	2	Condensed Sections — General Requirements

**Division 024**

**Amplifiers, Controllers, Control Units, Regulators, and Electron Tubes**

**024-0 Index and Equipment Test Lists**

**024-1 Amplifiers and Protective Relaying Equipment**

**024-3 Controllers and Control Units**

**024-4 Regulators**

**024-7 Electron Tubes**

Number	Issue	Subject
<b>024-0 Index and Equipment Test Lists</b>		
<b>024-000 Index</b>		
024-000-000	74	Numerical Index — Division 024 — Amplifiers, Controllers, Control Units, Regulators, and Electron Tubes
<b>024-001 Equipment Test Lists</b>		
024-001-011	11	Amplifiers
024-001-012	5	Controllers and Control Units
024-001-013	6	Regulators
024-001-014	4	Electron Tubes
<b>024-1 Amplifiers and Protective Relaying Equipment</b>		
024-100-100	2	94D — Description
024-100-101	1	103C Amplifier
024-100-102	1	103D Amplifier
024-100-103	1	116B Amplifier
024-101-100	1	100-Type Loudspeaker Sets — Description
Addendum	1	
024-102-100	1	106A — Description
024-102-300	1	106A — Initial and Routine Tests
Addendum	1	
024-102-500	1	106A — Tests, Adjustments and Requirements

Number	Issue	Subject
Addendum	1	
024-103-100	1	118A — Description
024-103-300	1	118A — Initial and Routine Tests
Addendum	1	
024-103-500	1	118A — Tests, Adjustments and Requirements
Addendum	1	
024-104-100	1	124-Type — Description
024-104-101	1	124A Amplifier
024-104-102	1	124B Amplifier
024-104-103	1	124C Amplifier
024-104-104	1	124D Amplifier
024-104-105	1	124E Amplifier — (WESTERN ELECTRIC®)
024-104-106	1	124F Amplifier
024-104-300	1	124-Type — Initial and Routine Tests
Addendum	3	
024-104-500	2	124-Type — Tests and Adjustments
024-104-501	1	Types 103- and 124-Type — Tests and Inspections
024-105-100	1	140-Type — Description
024-105-101	2	141A Amplifier — Description
024-105-300	1	140-Type — Initial and Routine Tests
024-105-500	2	140-Type — Tests, Adjustments and Requirements
Addendum	1	
024-106-100	1	142-Type — Description
024-106-101	1	142A — Input Circuit Variations
024-106-300	1	142-Type — Initial and Routine Tests
Addendum	1	
024-106-500	1	142-Type — Tests, Adjustments and Requirements
024-107-100	2	143-Type — Description
024-107-101	1	143A — Input Circuit Variations
024-107-300	1	143-Type — Initial and Routine Tests
024-107-500	2	143-Type — Tests, Adjustments and Requirements
024-108-100	2	153A and 153B Amplifiers — For Use With Head Telephone Sets — General Descriptive Information
024-108-105	2	292A and 292B — Description



Number	Issue	Subject	Number	Issue	Subject
024-109-500	2	SD-95396-01 — Voice Controlled Gain Amplifier Using Amplifier Test Set Circuit	024-150-103	1	KS-16611, L1 Transformer
024-120-100	1	KS-16575-L1 (McIntosh) — Description	024-150-104	1	KS-16612, L1 Mixer Unit — Description
024-120-300	1	KS-16575-L1 (McIntosh) — Initial and Routine Tests	024-150-105	1	Input Circuit Arrangements for KS-16608, L1 and KS-16610, L1 Amplifiers
024-120-500	1	KS-16575-L1 (McIntosh) — Tests and Adjustments and Requirements	024-150-106	1	KS-16608, L1 Amplifier — Description
024-121-100	2	A-120 (McIntosh) — Description	024-150-107	1	KS-16610, L1 Amplifier — Description
024-121-300	2	A-120 (McIntosh) — Initial and Routine Tests	024-150-108	1	KS-16547, L1 Amplifier — Description
024-121-500	2	A-120 (McIntosh) — Tests, Adjustments and Requirements	024-150-109	1	KS-16617, L1 Amplifier — Description
024-122-100	3	KS-20425 Amplifier System — Description	024-150-300	1	KS-Specification Speech Amplifiers — Initial and Routine Tests
024-122-200	3	KS-20425 Amplifier System — Installation and Maintenance	Addendum	1	
024-122-400	2	KS-20425 Equalizer-Amplifier System — Connections	024-150-501	1	KS-16508-L1 — Transmission Tests
024-122-500	3	KS-20425 Amplifier System — Tests, Adjustments, and Operation	024-150-502	1	KS-16547-L1 — Transmission Tests
024-125-100	3	KS-16622, L1 Amplifier — Description	024-150-503	2	KS-16608 L1 and KS-16610 L1 Amplifiers — Transmission Tests
024-125-300	1	KS-16622-L1 — Initial and Routine Tests	024-150-504	1	KS-16617-L1 — Transmission Tests
024-125-500	3	KS-16622-L1 — Transmission Tests	024-174-100	2	KS-20449 Amplifier — Description
024-130-100	2	KS-16740 Amplifier System — Description	024-174-200	2	KS-20449 Amplifier — Installation, Connections, and Maintenance
024-130-300	1	KS-16740-L2 — Initial and Routine Tests	024-174-500	3	KS-20449 Amplifier — Tests and Adjustments
024-130-500	2	KS-16740-L2 — (Altec 437B) — Transmission Tests	024-175-100	3	Transistor Amplifiers — KS-16831, L1, L2, L3
024-140-101	2	227A, B, E, and F Amplifiers — Description	024-175-101	3	KS-16831 — Identification and Assembly
024-140-103	1	227C and 227D Amplifiers — Description	024-175-102	2	KS-16831, L4 — Power Supply
024-140-106	2	KS-20378 L1 and L2 Amplifiers — Description	024-175-110	3	KS-20159 Equalizer-Amplifier — Description
024-145-100	1	289A and 289B Amplifiers — Description	Addendum	1	
024-150-100	4	KS-Specification — Speech Amplifiers — General Information	024-175-200	1	KS-16831 — Installation and Maintenance
024-150-101	1	KS-16508, L1 and L2 Amplifiers — Description	024-175-210	2	KS-20159 Equalizer-Amplifier — Installation and Maintenance
024-150-102	1	KS-16607, L1 Amplifier — Description	024-175-400	3	KS-16831 — Connections
			024-175-410	2	KS-20159 Equalizer-Amplifier — Connections
			024-175-500	4	KS-16831, L1, L2, L3 Amplifiers — Tests and Adjustments

Number	Issue	Subject	Number	Issue	Subject
024-175-510	2	KS-20159 Equalizer-Amplifier — Tests, Adjustments, and Operation	Addendum	2	
024-176-100	2	KS-16754, L1, L2, L3 and L4 Amplifiers — Description	024-331-701	3	Pilot Wire Master Twist Controller — KS-7781 — Requirements and Adjusting Procedures
Addendum	1		024-331-801	2	Pilot Wire Master Twist Controller — KS-7781 — Replacement Parts and Procedures
024-176-200	6	KS-16754 — Identification, Installation, Connections and Maintenance	024-332-701	2	Brown Indicating Controller — KS-6835 — Requirements and Adjusting Procedures
024-177-100	2	KS-19219, L1 — (3 Watts)	Addendum	1	
024-177-500	2	KS-19219, L1 — Transmission Tests	024-345-701	3	Motor Controller KS-5647 — Starter KS-15821 — Requirements and Adjusting Procedures
024-178-100	2	KS-19602, L1 — Description	024-346-701	5	KS-5755, KS-15868, and KS-15983, Starters — Requirements and Adjusting Procedures
Addendum	1		024-346-801	3	Starters — KS-5755, KS-15868, and KS-15983 — Replacement Parts and Procedures
024-178-500	1	KS-19602, L1 — Tests	024-350-701	4	Voltage Controllers — KS-5016, KS-5117, KS-5374 and KS-5519 — Requirements and Adjusting Procedures
024-179-100	1	KS-19601, List 1 Amplifier	024-350-801	3	Voltage Controller KS-5519 — Replacement Parts and Procedures
024-179-500	1	KS-19601, List 1 Amplifier — Transmission Tests	024-360-201	3	KS-20522 Controller — High and Low Limit — Installation and Maintenance
024-180-100	1	KS-19220, List 2 Amplifier			
024-181-100	2	KS-19221 L1 Amplifier			
024-182-100	2	KS-19739, L1 Amplifier — Description			
024-182-500	3	KS-19739 L1 Amplifier — Tests			
024-190-100	1	KS-12046 Loudspeaker			
024-191-100	1	KS-12048 Autotransformer			
024-191-101	1	KS-14417 Autotransformer			
024-191-102	1	KS-14792, L5 Line Matching Transformer			
024-192-100	1	KS-16504 Handset — Transmission Characteristics			
024-195-100	1	Description and Operation			
Addendum	1				
024-195-200	1	1A — Installation and Connections			
024-195-300	1	Maintenance			
024-195-500	1	1A — Test Procedures			
<b>024-3 Controllers and Control Units</b>			<b>024-4 Regulators</b>		
024-320-701	1	6B Control Unit — Lubrication	024-405-701	2	100A Regulator — Equipped With KS-5511 Motor — Type 892B — Requirements and Adjusting Procedures
024-321-701	2	36A Control Unit — Requirements and Adjusting Procedures	024-405-702	3	100A Regulator — Equipped With KS-5511 Motor — Type 892C — Requirements and Adjusting Procedures
Addendum	1		024-405-703	4	100A Regulator — Equipped With KS-5511 Motor — Type 892D or Reconditioned Type 892C — Requirements and Adjusting Procedures
024-330-701	3	Pilot Wire Master Flat Gain Controller — KS-7664 — Requirements and Adjusting Procedures	024-406-701	3	101 and 102 Regulators — Associated With 50A Drive — Requirements and Adjusting Procedures
024-330-801	2	Pilot Wire Master Flat Gain Controller — KS-7664 — Replacement Parts and Procedures			

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		024-462-701	9	Voltage Regulator — Centrifugal Type — Automatic — Requirements and Adjusting Procedures
024-408-701	3	KS-2749 Regulator — For Pilot Wire Transmission Regulating System — Requirements and Adjusting Procedures	024-462-801	6	Voltage Regulator — Centrifugal Type — Automatic — Replacement Parts and Procedures
024-410-701	3	J2 Carrier Regulator — Condenser Drive — Per ED-61694-01, ED-61694-021 and ED-6194-022 — Requirements and Adjusting Procedures	024-464-301	2	Voltage Regulator — General Electric Co. — KS-5580 — Electronic Type GVD — Operating Methods
Addendum	1		024-465-301	2	AC Line Voltage Regulator — KS-5650 — Operating Methods
024-420-301	4	Speed and Voltage Regulator — J86253A and J86253B — Operating Methods	024-466-301	3	AC Voltage Regulator — KS-5655 — Operating Methods
024-440-301	2	AC Line Voltage Regulators — J86215A and KS-5695 — Motor-Driven Autotransformer Type — Operating Methods	024-470-301	2	AC Line Voltage Regulator — KS-15508 — Motor-Driven Autotransformer Type — Operating Methods
024-442-301	1	J86223 Voltage Regulator — Operating Methods	024-471-301	1	AC Line Voltage Regulator — KS-15908 Type — Motor-Driven Autotransformer Type — Operating Methods
024-443-301	3	Voltage Regulator and Rectifier — J86246A and J86246B — Operating Methods	024-480-701	2	Voltage Regulator — General Electric Type TA, Form B-2 — Requirements and Adjusting Procedures
024-445-301	5	J86250 Voltage Regulator and Exciter — Operating Methods	024-481-101	1	Voltage Regulator — General Electric Type TA-125, Form L — Description
024-447-301	1	J86727E Voltage Regulator — Operating Methods	024-481-301	1	Voltage regulator — General Electric Type TA-125, Form L — Operating Methods
024-449-301	2	J87324A Voltage Regulator — Operating Methods	024-481-701	2	Voltage Regulator — General Electric Type TA-125, Form L — Requirements and Adjusting Procedures
024-460-101	1	Voltage Regulators — AC-DC Automatic Rotating CAM Types — Description	024-482-701	4	Voltage Regulator — Tilting Pile Type — Requirements and Adjusting Procedures
024-460-301	1	Voltage Regulators — AC-DC Automatic Rotating CAM Types — Operating Methods	024-485-301	1	Voltage Regulator for Reserve Alternators — Westinghouse — Type UV-AG — Operating Methods
024-460-701	4	Voltage Regulators — KS-5016, KS-5117 and KS-5468 — AC-DC Automatic Rotating CAM Types — Requirements and Adjusting Procedures	024-490-301	3	KS-20618 Regulator for Single-Phase Rectifiers — Test Procedures
024-460-801	2	Voltage Regulators — KS-5016, KS-5117 and KS-5468 — AC-DC Automatic Rotating CAM Types — Replacement Parts and Procedures			
024-462-101	3	Voltage Regulators — Centrifugal Type — Automatic — Description			

Number	Issue	Subject
<b>024-7 Electron Tubes</b>		
024-700-801	4	Cold Cathode Tubes Containing Radium Bromide and Krypton 85 — Method of Handling
024-706-701	1	313-Type Cold Cathode Tubes — Using Test Circuit SD-68204-01 — Requirements and Adjusting Procedures — No. 4, A4A, 4A, and 4M Switching Systems
024-707-701	5	Cold Cathode Tubes — Using Test Set SD-25808-01 (J24754A) — Requirements and Adjusting Procedures
024-708-701	5	Cold Cathode Tubes — Using Test Set SD-96464-01 (J94731A) — Requirements and Adjusting Procedures
024-709-801	2	Cold Cathode Tubes — Method of Handling Tubes Not Specially Marked
024-720-801	3	Electron Tube Filament Circuit Adjustment — Reference Voltage and Reference Current Methods
024-720-802	1	Method of Disposal
024-721-801	3	Vacuum Tube Heater Circuit — Method of Adjustment for 9 Volt Operation
024-722-101	3	WESTERN ELECTRIC Marking and Dating
024-723-801	2	NIXIE* Tubes Containing Krypton 85 — Storage and handling

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\* NIXIE is a registered trademark of the Burroughs Co.

**Division 026**

	Number	Issue	Subject
	Addendum	1	
<b>Circuit Breakers, Compensators, Contactors, Control Panels, Fuses and Mountings, Magnetic Switches, Selectors, and Starters</b>	026-305-801	4	Autotransformer-Type Starters and Compensators — General Electric Company — Replacement Parts and Procedures
	026-306-701	2	I.T.E. Circuit Breakers — Requirements and Adjusting Procedures
<b>026-0 Index and Equipment Test Lists</b>			
-000 Index	026-306-801	1	I.T.E. Circuit Breakers — Replacement Parts and Procedures
-001 Equipment Test Lists	026-307-701	10	Small Circuit Breakers — Requirements and Test Procedures
<b>026-3 Circuit Breakers, Compensators, Contactors, Control Panels, Fuses and Mountings, Magnetic Switches and Starters</b>	Addendum	1	
	026-310-701	3	Circuit Breaker KS-15636 — Requirements and Adjusting Procedures
<b>026-7 Selectors</b>	Addendum	1	
	026-315-701	1	Circuit Breakers — KS-15910 — Requirements and Adjusting Procedures
	026-315-801	1	Circuit Breakers — KS-15910 — Replacement Parts and Procedures
<b>026-000 Index and Equipment Test Lists</b>			
026-000-000	73		Numerical Index — Division 026 — Circuit Breakers, Compensators, Contactors, Control Panels, Fuses and Mountings, Magnetic Switches, Selectors, and Starters
<b>026-001 Equipment Test Lists</b>			
026-001-011	13		Rotary Selectors
026-001-012	4		Miscellaneous Selectors
026-001-013	5		Fuse Mountings, Fuse Enclosures, and Fuses
026-001-014	6		Starters and Compensators
026-001-015	7		Circuit Breakers and Contactors
	Addendum	1	
	026-340-701	2	Automatic Starters and Compensators — Having No KS Designations — Cutler-Hammer, Inc., Square D Company, and Ward Leonard Electric Company — Requirements and Adjusting Procedures
	026-343-701	1	Autotransformer-Type Starters — Allen-Bradley Company — Requirements and Adjusting Procedures
<b>026-3 Circuit Breakers, Compensators, Contactors, Control Panels, Fuses and Mountings, Magnetic Switches and Starters</b>			
Addendum	1		
026-305-701	10		Autotransformer-Type Starters and Compensators — General Electric Company — Requirements and Adjusting Procedures
	Addendum	1	
	026-343-801	1	Autotransformer-Type Starters — Allen-Bradley Company — Replacement Parts and Procedures
	Addendum	1	
	026-347-701	1	Starters, Circuit Breakers, Contactors, Field Control Panels, and Magnetic Switches — General Electric Company — Requirements and Adjusting Procedures

Number	Issue	Subject	Number	Issue	Subject
026-350-701	6	Contactors — KS-5323, KS-5323-01, KS-5694, and KS-15572 — Requirements and Adjusting Procedures	026-380-801	2	Autotransformer-Type Manual AC Starters — General Electric Company — Replacement Parts and Procedures
026-350-801	2	Contactors — KS-5323, KS-5323-01, KS-5694 and KS-15572 — Piece-Part Data and Replacement Procedures	026-382-701	1	Multi-Step Starters — General Electric Company — Requirements and Adjusting Procedures
026-352-701	2	Contactors — KS-5626 — Square D Company — Requirements and Adjusting Procedures	026-384-701	3	KS-15582 Starter (For DC Motor) — Requirements and Adjusting Procedures
026-354-701	2	Contactors — KS-5642 — Westinghouse Electric Corp. — Requirements and Adjusting Procedures	026-390-101	1	Cutler-Hammer Automatic DC Motor Starters — Description
026-355-701	2	DC Contactor — Plunger Type — KS-5722 — Requirements and Adjusting Procedures	026-390-701	1	Cutler-Hammer Automatic DC Motor Starters — Installation and Maintenance Requirements
026-356-701	7	Resistor and Across-the-Line Type Starters — Allen-Bradley Company and Ward Leonard Company — Requirements and Adjusting Procedures	026-392-301	2	Air-Starting Equipment for Diesel Engine- Alternator Sets — Operating Methods
026-360-701	4	Contactors — KS-15514 and KS-15934 — Requirements and Adjusting Procedures	026-392-701	2	Air-Starting Equipment for Diesel Engine- Alternators — Requirements and Adjusting Procedures
026-360-801	2	Contactors — KS-15514 and KS-15934 — Replacement Parts and Procedures	026-392-801	2	Air-Starting Equipment for Diesel Engine- Alternators — Replacement Parts and Procedures
026-365-701	5	Contactors KS-5757, KS-15072, KS-15674, KS-19598, and Contactors Having No KS- Designations — Allen-Bradley Company and Westinghouse Corporation — Requirements and Adjusting Procedures	<b>026-7 Selectors</b>		
026-370-701	9	Fuses, Mountings, and Enclosures — Requirements and Adjusting Procedures	026-700-701	2	60BA, 60BC, 60BP, 60BR, 66A, D-151294, and D-175279 — Requirements and Adjusting Procedures
026-370-801	8	Fuse Caps, Blocks, Clips, Holders, Mountings, Panels, and Posts — Repair and Replacement Procedures	026-700-801	1	60BA, 60BC, 60BP, 60BR, 66A, D-151294, and D-175279 — Piece-Part Data and Replacement Procedures
026-371-501	9	Fuses and Fuse Panels — Inspection	026-706-501	1	200-Type Selectors — Operation Test — Panel Machine Switching Offices
026-380-101	1	Autotransformer-Type Manual AC Starters — General Electric Company — Description	Addendum	1	
026-380-701	4	Autotransformer-Type Manual AC Starters — General Electric Company — Requirements and Adjusting Procedures	026-706-701	14	200-, 206-, 209-, and 211-Type Selectors and 10-, 26-, and 32-Type Banks — Requirements and Adjusting Procedures
			026-706-711	3	200-, 206-, 209- and 211-Type Selectors — Voltage Tests — Using SD-90013-01 (J94706) Selector Test Set
			026-706-712	2	200-, 206-, 209- and 211-Type Selectors — Voltage Tests — Using No. 35D or 35F Test Set or Voltmeter

Number	Issue	Subject
Addendum	1	
026-706-801	8	200-, 206-, 209-, and 211-Type Selectors and 10-, 26- and 32-Type Banks — Piece- Part Data and Replacement Procedures
026-708-701	7	204-Type Selectors — Requirements and Adjusting Procedures
026-708-801	6	204-Type Selectors — Piece-Part Data and Replacement Procedures
026-720-701	8	KS-16201, KS-16202, KS-16203, KS-16563, KS-19086, and KS-20234 Types — Requirements and Adjusting Procedures
026-720-801	3	KS-16201, KS-16202, KS-16203, KS-16563 and KS-19086 Types — Piece-Part Data and Replacement Procedures
026-740-701	4	Power-Driven Rotary Selectors Together With Associated Banks — Requirements and Adjusting Procedures
026-740-801	3	Power-Driven Rotary Selectors Together With Associated Banks — Piece-Part Data and Replacement Procedures

**Division 028**

**Autotransformers, Bells, Buzzers, Dials, Dial  
Adapters and Mountings, Gongs,  
Headsets, Potentiometers, Rheostats,  
Ringers, and Sounders**

**028-0 Index and Equipment Test Lists**

**028-1 Bells, Buzzers, Gongs, Ringers, and Sounders**

**028-3 Dials, Dial Adapters and Mountings; Head Tele-  
phone Sets and Headsets**

**028-7 Autotransformers, Potentiometers, and Rheostats**

**028-9 Condensed Sections**

Number	Issue	Subject
028-102-801	4	Bells, Signals, and Chimes — Solenoid Type — Piece-Part Data and Replacement Procedures
028-110-701	1	1-Type Buzzers — Requirements and Adjusting Procedures
028-111-701	2	2-Type Buzzers — Requirements and Adjusting Procedures
028-112-701	2	4-Type Buzzers — Requirements and Adjusting Procedures
028-113-701	6	8-Type Buzzers — Requirements and Adjusting Procedures
028-120-701	1	Buzzers — Nos. 12092 and 12093 — Requirements and Adjusting Procedures
028-130-701	4	Ringers — No. 6A, 6J, 6M, 6N, 7A, 8A, 8JA, 37H, 38B, 40A, 40B, 42A, 51A, 51B, 55B, 65B, 68A, 68J, 68JA, 72A, 78A, 78J, and B1A, B1AA, B1AB, B1AL, B2A, B2AL, B3A and B3B — Requirements and Adjusting Procedures
028-131-701	1	Ringers — C4 and C5 Types — Requirements and Adjusting Procedures
028-131-801	1	Audible Alarm Signal Gongs for Office and Miscellaneous Alarms — C4A and C5A Ringers — Piece-Part Data and Replacement Procedures
028-140-701	1	3-Type Sounders and 12521 Sounders — Requirements and Adjusting Procedures
028-141-701	1	7-A Polarized Sounder — Requirements and Adjusting Procedures

Number	Issue	Subject
<b>028-0 Index and Equipment Test Lists</b>		
028-000-000	67	Numerical Index — Division 028 — Auto-transformers, Bells, Buzzers, Dials, Dial Adapters and Mountings, Gongs, Head Telephone Sets, Headsets Potentiometers, Rheostats, Ringers, and Sounders
<b>Equipment Test Lists</b>		
028-001-011	10	Autotransformers
028-001-012	7	Rheostats
028-001-013	3	Bells, Buzzers, Chimes, and Sounders
028-001-014	3	Dials, Hand Telephone Sets and Headsets

**028-3 Dials, Dial Adapters and Mountings; Head Tele-  
phone Sets and Headsets**

**028-1 Bells, Buzzers, Gongs, Ringers, and Sounders**

028-100-701	3	Bells and Buzzers — 7 Type — Requirements and Adjusting Procedures
028-101-701	1	10- and 11-Type Bells and 10-Type Buzzers — Requirements and Adjusting Procedures
028-102-701	5	Bells Chimes, and Signals — Solenoid Type — Requirements and Adjusting Procedures

028-300-501	4	2-, 4-, 5-, and 6-Type Dials — Speed and Per Cent Break Tests
028-300-701	10	2-, 4-, 5-, and 6-Type Dials — Requirements and Adjusting Procedures (Condensed Section: 028-930-701)
028-300-801	6	2-, 4-, 5-, and 6-Type Dials and Associated Dial Mountings and Dial Adapters — Piece-Part Data and Replacement Procedures



Number	Issue	Subject	Number	Issue	Subject
028-305-100	1	27-Type Dials	028-363-801	6	61-Type Head Telephone Sets — Piece- Part Data and Replacement Procedures
028-310-811	4	Operator Dials and Associated Dial Mountings — Procedures for Cording	028-370-501	3	1020-Type Headsets — Visual Inspections and Electrical Tests
028-349-101	2	660 Communication Panel — Description and Connections	028-370-811	2	1020-Type Headsets — Piece- Part Data and Replacement Procedures
Addendum	1		028-371-501	5	1022A-, 1023A-, 1024A-, 1024B-, 1026A-, 1027A-, and 1028A-Type Headsets — Description, Application, and Maintenance
028-350-501	2	KS-19796 Headset — Visual Inspection and Electrical Tests	028-371-811	5	1022A-, 1023A-, 1024A-, 1024B-, 1026A-, 1027A-, and 1028A-Type Headsets — Piece- Part Data and Replacement Procedures
028-350-801	3	KS-19796 Head Telephone Sets — Piece Part and Replacement Procedures	028-372-100	1	500A Head Telephone Set Adapter — Identification, Installation, Operation, and Maintenance
028-351-501	7	KS-20778 Head Telephone Sets, KS-21430 Headset and KS-22729 STARSET II* — Description, Use, and Maintenance			
Addendum	1				
028-352-501	2	KS-21118 Head Telephone Sets			
028-360-501	7	52-Type Head Telephone Sets — Visual Inspections and Electrical Tests			
028-360-811	10	52-Type Head Telephone Sets — Piece- Part Data, Replacement Procedures, and Minor Repairs			
028-360-812	1	52A and 52B Head Telephone Sets — Modification to Provide a Rotation Stop Bar			
028-360-821	5	Operator Telephone Sets — Method of Wrapping Cords and Associated Parts			
028-361-501	2	53-Type Head Telephone Sets — Visual Inspections and Electrical Tests			
028-361-811	8	53-Type Head Telephone Sets — Piece- Part Data, Replacement Procedures, and Minor Repairs			
028-362-501	3	60-Type Head Telephone Sets — Visual Inspection and Electrical Tests			
028-362-801	5	60-Type Head Telephone Sets — Piece- Part Data and Replacement Procedures			
028-363-501	3	61-Type Head Telephone Sets — Visual Inspection and Electrical Tests			

### 028-7 Autotransformers, Potentiometers, and Rheostats

#### Autotransformers

Addendum	1	
028-705-701	4	Continuously Tapped Type — Manually Operated — KS-5657, KS-15594, KS- 15646, KS-15814, KS-15831, KS-15843, and KS-15955 — Requirements and Adjusting Procedures
028-705-801	2	Continuously Tapped Type — Manually Operated — KS-5657, KS-15594, KS- 15646, KS-15814, KS-15831, KS-15843, and KS-15955 — Replacement Parts and Procedures
028-706-701	9	Continuously Tapped Type — Motor- Driven — Requirements and Adjusting Procedures
028-706-801	2	Continuously Tapped Type — Motor- Driven — Replacement Parts and Procedures

#### Rheostats

028-720-701	3	Switch Rheostats, and Potentiometers — Manually Operated — Miscellaneous Types — Requirements and Adjusting Procedures
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Number	Issue	Subject
Addendum	1	
028-721-701	3	Manually Operated — Steel Plate and Carbon Pile Types — Apparatus Requirements and Adjusting Procedures
028-721-801	1	Manually Operated — Steel-Plate and Carbon-Pile Types — Replacement Parts and Procedures
028-722-701	4	Motor-Driven — Apparatus Requirements and Adjusting Procedures
028-722-801	2	Motor-Driven — Replacement Parts and Procedures

**028-9 Condensed Sections**

028-930-701	3	2, 4, 5, and 6 Type Dials — Requirements — (Condensed Section for Section 028-300-701)
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**Division 030**

	Number	Issue	Subject
	Addendum	1	
	030-100-301	1	Calculagraphs — Models 6 and 30 and KS-7769 (Model 33) — Operating Methods
	030-100-701	6	Calculagraphs — Models 6 and 30 — Requirements and Adjusting Procedures
	030-100-801	6	Calculagraphs — Models 6 and 30 — Piece-Part Data and Replacement Procedures
<b>030-0 Indexes and Equipment Test Lists</b>	030-101-101	1	Calculagraphs, Electrically Driven — Model 30 and Model 33 — Description
<b>030-1 Calculagraphs, Clocks, Timers, Call Timing Switch, and Time Stamp</b>	030-102-701	7	Calculagraphs — KS-7769 (Model 33) — Requirements and Adjusting Procedures
<b>030-3 Cameras, Counters, Photo Processors, Registers, Tape Printers, and Ticketers</b>	030-102-801	6	Calculagraphs — KS-7769 (Model 33) — Piece-Part Data and Replacement Procedures
<b>030-7 Selector Multiple Designation Cards, Switches</b>	030-110-701	2	Electric Clock — KS-8155 — Requirements and Adjusting Procedures
<b>030-8 Sequence Switches</b>	030-111-501	1	Measurement of Timing Intervals — Using S1 Timer
<b>030-9 Condensed Sections</b>	030-111-701	2	Standard Electric Time Company's — S-1, S-1A, and S-10 Timers and KS-8160 Electric Stop Clock — Requirements and Adjusting Procedures
	030-112-701	2	Electric Stop Clock — KS-8259 — Requirements and Adjusting Procedures
	030-113-701	3	Motor Driven — Switchboard Clock KS- 8263 — Requirements and Adjusting Procedures
	030-114-801	2	Switchboard Position Clocks — KS-14156 L13, L14, L15, and L16 — Replacement Procedures
	030-114-811	2	Switchboard Position Clocks — KS-14156 L13, L14, L15 and L16 — Positioning and Setting
	Addendum	2	
	030-115-701	2	Electric Stop Clock — KS-14235 — Requirements and Adjusting Procedures
<b>030-1 Calculagraphs, Clocks, Timers, Call Timing Switch, and Time Stamp</b>	030-120-101	1	Electric Clock Systems For Telephone Offices — Description
	030-100-101	1	Calculagraphs, Spring Driven — Description
	030-121-501	2	Clock Circuits — Tests

Number	Issue	Subject	Number	Issue	Subject
030-121-701	2	Master Clocks — KS-1299, KS-1924, KS- 1925, KS-1926, KS-1927, KS-1928, KS- 1929, KS1930, KS-1931, KS-6777 and KS6778 — Requirements and Adjusting Procedures	030-142-801	1	Timers — 3-Type — Piece-Part Data and Replacement Procedures
030-122-701	3	Electric Clocks — 1 Type — Requirements and Adjusting Procedures	030-150-701	2	Nonzone Timer D-159823 and Associated No. 51A Drive — Requirements and Adjusting Procedures
030-124-701	2	Secondary Clocks — Requirements and Adjusting Procedures	030-155-801	4	KS-Specification Timers — General Replacement Information
030-125-501	5	Building Master Clocks — Precise Time Setting	030-156-701	1	Timers KS-8543 and KS-8564 — Requirements and Adjusting Procedures
Addendum	1		030-157-701	7	KS-14741 Program Timers — Requirements and Adjusting Procedures
030-140-701	3	Nonzone Timers No. 1A and D-99005 and Associated Nos. 51A, 51C, 52A, D- 99004 and D-179538 Drives — Requirements and Adjusting Procedures	030-157-801	6	KS-14741 Program Timers — Piece-Part Data and Replacement Procedures
Addendum	1		030-159-701	3	Timers — KS-16329, L1 and L2 — Requirements and Adjusting Procedures
030-140-702	4	Coin Timers No. 1B, D-99006, and D- 159938 and Associated Nos. 51A, 51C, 52A, D-99004, and D-179538 Drives — Requirements and Adjusting Procedures	030-159-801	2	Timers — KS-16329, L1 and L2 — Piece- Part Data and Replacement Procedures
Addendum	1		030-170-701	1	KS-5464 Call Timing Switch — Requirements and Adjusting Procedures
030-140-703	4	Nonzone Test Timers No. 1C and D-99325 — Coin Test Timers No. 1D and D- 99326 and Associated Nos. 51B, 51D, 52B, D-156125, and D-179539 Drives — Requirements and Adjusting Procedures	030-176-701	2	Stromberg Time Stamp — Requirements and Adjusting Procedures
030-140-801	3	1-Type Timers and Associated 51- and 52-Type Drives — Piece-Part Data and Replacement Procedures	<b>030-3 Cameras, Counters, Photo Processors, Registers, Tape Printers, and Ticketers</b>		
030-140-811	1	1-Type Timers — Conversion of Associated 51- and 52-Type Drives From 5- to 4-Minute Operation — Piece-Part Data and Replacement Procedures	030-300-301	2	Photographing Message Registers — Using Electrically Operated KS-7703 and KS-8320 Cameras
030-141-701	9	2-Type, 4A, 4B (Mfr Disc.), 4E, and D- 171689 — Requirements and Adjusting Procedures	030-300-701	2	Message Register Cameras KS-7703 and KS-8320 — Requirements and Adjusting Procedures
030-141-801	7	2-Type, 4A, 4B (Mfr Disc.), 4E, and D- 171689 — Piece-Part Data and Replacement Procedures	Addendum	1	
030-142-701	2	Timers — 3-Type — Requirements and Adjusting Procedures	030-301-301	4	Photographing Message Registers — Using KS-14593, L1 Message Register Camera and KS-14778 Photo Processor
			Addendum	1	
			030-301-701	2	KS-14593, List 1 — Message Register Camera — Requirements and Adjusting Procedures

Number	Issue	Subject	Number	Issue	Subject
030-301-801	3	KS-14593, List 1 — Message Register Camera — Piece-Part Data and Replacement Procedures	030-332-501	2	Traffic Register 100-Operation Tests — Using Message Register Test Set SD- 30490-01 or ES-360006
Addendum	1		030-332-502	1	Traffic Register Tests — Using Test Set SD-32150-01
030-302-301	5	Photographing Traffic Registers — Using Electrically Operated KS-14776 Camera	Addendum	1	
030-302-701	5	Traffic Register Cameras — KS-14776 L1 and L2 — Requirements and Adjusting Procedures	030-333-701	1	Line-Message Registers — 15 Type — Requirements
030-302-801	7	Cameras — KS-14776 L1 and L2 — (Traffic Register Cameras) — Piece-Part Data and Replacement Procedures	030-334-701	1	19A and 20A Line Message Registers — Requirements
Addendum	2		030-340-701	2	Bunnell Ink Writing Register — (Pen Register) — Requirements and Adjusting Procedures
030-304-301	1	Photographing Message Registers — Using KS-20900 L1, Message — Register Camera	030-341-701	4	20-Pulse Pen Registers — KS-3106 (Single Pen) and KS-3107 (Double Pen) and Similar Pen Registers Manufactured by Foote-Pierson Co. or J. H. Bunnell Co. — Requirements and Adjusting Procedures
030-310-701	3	KS-7495 and KS-14359 Magnetic Counters — Requirements and Adjusting Procedures	Addendum	1	
030-311-811	1	Method of Mounting KS-16493 Magnetic Counter — In Place of KS-14359 Magnetic Counter	030-342-301	3	KS-19717 Tape Printer — Operating Procedures
030-312-701	2	3-Type Counter — Requirements and Adjusting Procedures	030-342-701	4	KS-19717 L1, L2, L4, and L5 Tape Printer — Requirements and Adjusting Procedures
030-313-101	2	Magnetic Counters — Description	030-342-702	3	KS-19717 L3, L6 and L7 Tape Printers — Requirements and Adjusting Procedures
030-320-701	2	Photo Processor KS-14778 — Requirements and Adjusting Procedures	030-342-801	3	KS-19717 L1, L2, L4, and L5 Tape Printers — Piece-Part Data and Replacement Procedures
030-320-801	1	KS-14778 Photo Processor — Piece-Part Data and Replacement Procedures	030-342-802	2	KS-19717 L3, L6, and L7 Tape Printers — Piece-Part Data and Replacement Procedures
030-330-701	7	Line Message Registers 5-Type — Requirements and Adjusting Procedures	030-360-701	5	1-Type Message Ticketer — Requirements and Adjusting Procedures
030-330-702	5	Traffic and Plant Registers 5- and 12-Types — Requirements and Adjusting Procedures	Addendum	1	
030-331-701	5	14-Type Line Message Registers — Requirements	030-360-801	1	1-Type Message Ticketer — Piece-Part Data and Replacement Procedures
030-331-702	5	14-Type Traffic and Plant Registers — Requirements and Adjusting Procedures			
030-331-801	4	14-Type Registers — Piece-Part Data and Replacement Procedures			
			<b>030-7 Selector Multiple Designation Cards, Switches</b>		
			030-700-701	3	188- and 189-Type Switches — Requirements and Adjusting Procedures
			030-705-301	3	Designation Cards for Selector Multiple — Method of Using — Step-by-Step Systems

Number	Issue	Subject	Number	Issue	Subject
030-705-501	8	197- and 198-Type Switches and Line Switches — Equipment Insulation and Bank Ground Test	Addendum	1	
030-705-502	1	197- and Similar Type Switches — Insulation Resistance of Banks and Bank Multiple — Tests	030-705-804	7	197- and 198-Type Switches — Cords, Cord Holders, Commutators, Wiper Springs, and Parts Associated With the Coverplate — Piece-Part Data and Replacement Procedures
030-705-701	5	197- and 198-Type Switches — Requirements and Adjusting Procedures	030-705-805	5	197- and 198-Type Switches — Pawls and Pawl Pins — Piece-Part Data and Replacement Procedures
030-705-702	12	197- and 198-Type Switches — Rotary, Vertical, and Release Mechanisms — Requirements and Adjusting Procedures	Addendum	1	
030-705-703	10	197- and 198-Type Switches — Contact Spring Assemblies — Requirement and Adjustment Procedures	030-705-806	10	197- and 198-Type Switch Banks — Piece- Part Data and Replacement Procedures
Addendum	1		030-705-807	1	197- and 198-Type Switches — Procedures for the Replacement Supply Bank Insulators Where Banks Have Silver Plate Bank Contacts
030-705-704	9	197- and 198-Type Switches, Banks, Commutators, Wipers, Jack Springs, and Switch Operation — Requirements and Adjusting Procedures	030-705-820	3	197- and 198-Type Switches — Methods of Mounting Capacitors and Networks on Shelf Angles
030-705-706	12	Switches — 197- and 198-Types — Lubrication — Requirements and Procedures	030-705-821	2	Step-by-Step Switch Covers — Removal of Felt Seals and Installing Fiber Strips
030-705-711	2	Side Switch — (Part of Earlier 197-Type Switches) — Requirements and Adjusting Procedures	030-710-701	2	202-Type Switches — Requirements and Adjusting Procedures
Addendum	1		030-711-701	2	211- and 212-Type Switches — Requirements and Adjusting Procedures
030-705-801	4	197- and 198-Type Switches — Associated Banks and Commutators — Piece-Part Data and Replacement Procedures	030-711-801	1	211- and 212-Type Switches — Piece-Part Data and Replacement Procedures
030-705-802	8	197- and 198-Type Switches — Parts Mounted Above Coverplate Except Pawls, Pawl Pins, and Contact Spring Assemblies — Piece-Part Data and Replacement Procedures	030-712-701	3	216- and 217-Type Switches — Requirements and Adjusting Procedures
Addendum	1		030-712-801	3	Nos. 216A and 217A Switches — Piece- Part Data and Replacement Procedures
030-705-803	10	Switches — 197 and 198 Types — Contact Spring Assemblies, Test Jack Assemblies, and Normal Post Cams — Piece-Part Data and Replacement Procedures	030-713-701	5	223-Type Coaxial Switches — Requirements
			030-715-701	7	Switches — 300, 301, 302 and 303 Types — Requirements and Adjusting Procedures
			Addendum	2	
			030-715-801	5	Switches — 300, 301, 302, and 303 Types — Piece-Part Data and Replacement Procedures

Number	Issue	Subject	Number	Issue	Subject
030-717-701	6	Switches — 304, 305, 306, 307, 308, 314, 315, and 318 Types — Requirements and Adjusting Procedures	Addendum	1	
Addendum	1		030-760-701	3	4-Type Foot Switches — Requirements and Adjusting Procedures (Condensed Section: 030-970-701)
030-717-801	5	Switches — 304-, 305-, 306-, 307-, 308-, 314-, 315-, and 318-Type — Piece-Part Data and Replacement Procedures	Addendum	1	
030-720-701	9	Switches — 324, 325, 328, 334, and 338 Types — Requirements and Adjusting Procedures	030-761-701	2	Plunger Type Switches — Primary and Secondary Line Switches and Out Trunk Switches — Requirements and Adjusting Procedures
030-720-801	9	324-, 325-, 328-, 334-, and 338-Type Switches — Piece-Part Data and Replacement Procedures	030-761-801	3	Plunger Type Switches and Banks — Primary and Secondary Line Switches and Out Trunk Switches — Piece-Part Data and Replacement Procedures
Addendum	3		030-762-701	2	Solenoid Type Master Switch
030-721-701	6	Small Crossbar Switch — Requirements and Adjusting Procedures	030-762-801	2	Solenoid Type Master Switches — Piece-Part Data and Replacement Procedures
Addendum	1		030-765-701	1	Stud Type Rotary Switches — 34- and 37-Type Potentiometers, Certain Artificial Lines and Attenuators — Requirements and Adjusting Procedures
030-721-801	7	Small Crossbar Switches — Piece-Part Data and Replacement Procedures	030-765-702	2	Stud Type Rotary Switches — 212 Type Input Transformers — Requirements and Adjusting Procedures
030-740-701	8	Knife Switches — Requirements and Adjusting Procedures	030-765-703	1	Stud Type Rotary Switches — D-95522 — Rheostats — D-88790, D88791, D88792, D88793, D-91283, D91378 — Potentiometers — 20A, 22A, 22B, 25A, 25B, 26A, 30A, and 30B Types — D-81127, D-81157, D-81158, D-81228, D-81236, D-81238, D-81284, D-81312, D-85675, D-85738, D-86118, D-88204, D-88205, D-88206, D-88207, D-88328, D-88702, D-88733, D-90329, D-90330, D-90331, D-91381, D-92146, D-92147, D-92515, D-93385, D-95140, D-95415 — Requirements and Adjusting Procedures
030-741-701	3	Palmer Master Switches — Contactor Type — Requirements and Adjusting Procedures	030-766-701	5	Rotary Switch — Automatic Electric Company 25 Point — Heavy-Duty Type — (Used in Secondary Line Switch Allotter Circuits) — Requirements and Adjusting Procedures
030-741-801	1	Palmer Master Switches — Contactor Type — Piece-Part Data and Replacement Procedures			
030-742-701	4	KS-5189, KS-5189-01, KS-5189-02, and KS-5189-03 — Emergency Lighting Relay Switches — Requirements and Adjusting Procedures			
030-742-801	3	KS-5189, KS-5189-01, KS-5189-02, and KS-5189-03 — Emergency Lighting Relay Switches — Piece-Part Data and Replacement Procedures			
030-743-701	1	Palmer Master Switches — Requirements and Adjusting Procedures			
030-744-701	10	Manually Operated Rotary Switches — Requirements and Adjusting Procedures			
030-745-701	1	Knife and Rotary Switches — Cleaning and Lubrication			

Number	Issue	Subject	Number	Issue	Subject
030-766-702	4	Rotary Switch — Automatic Electric Company 25 Point — Light-Duty Type — Requirements and Adjusting Procedures	030-787-801	3	Motor-Driven Switches — KS-5502 and KS-15836 Type — Replacement Parts and Procedures
030-766-801	3	Automatic Electric Company 25-Point Rotary Switches and Associated Banks — Piece-Part Data and Replacement Procedures	030-789-701	1	Emergency Cell Switches — Motor-Driven Rotary Type — Requirement and Adjusting Procedures
Addendum	1		Addendum	1	
030-767-701	6	Switch per D-159393 and Associated Motor Generator for A3 and A5 Privacy Systems — Requirements and Adjusting Procedures	030-790-701	1	KS-5312 Emergency Cell Switch and Automatic Switch Company Transfer Switches Having No KS Designations — Requirements and Adjusting Procedures
030-780-301	1	Automatic Electric Company's — 25-Ampere and 80-Ampere Automatic Voltage Regulator Switches — Operation	<b>030-8 Sequence Switches</b>		
030-780-701	2	Automatic Electric Company's — 25-Ampere and 80-Ampere Counter EMF Cell Switches — Requirements and Adjusting Procedures	030-801-501	2	Test for Slipping Drives
030-785-701	9	KS-15610 and KS-15624 — Switch Panels — Single Motor-Driven Type — Requirements and Adjusting Procedures	030-801-701	6	A and B Types — Requirements and Adjusting Procedures
030-785-801	2	Switch Panels — Single Motor-Driven Type — KS-15610 and KS-15624 — Replacement Parts and Procedures	030-801-801	6	A and B Types — Piece-Part Data and Replacement Procedures
Addendum	1		030-801-811	1	Repair of Magnet Coils
030-786-701	4	Motor-Driven Switches — KS-15847 Type — Requirements and Adjusting Procedures	030-801-812	7	Procedure for Replacing Tips of Worn Contact Springs
Addendum	1		030-801-813	4	Procedure for Shortening Springs
030-786-801	3	Motor Driven Switches — KS-15847 Type — Replacement Parts and Procedures	030-801-814	4	Procedure for Splitting Springs
030-787-701	7	Motor-Driven Switches — KS-5502 and KS-15836 Type — Requirements and Adjusting Procedures	030-802-701	2	Spring Driven — Requirements and Adjusting Procedures
			<b>030-9 Condensed Sections</b>		
			030-970-701	1	4-Type Foot Switches — Requirements — (Condensed Section for 030-760-701)



**Division 032****Capacitors, Connectors, Cords, Cord Reels, Diodes, Drops, Jacks, Keys, Lamps, Plugs, Resistors, Signals, Sockets, Thermistors, Transistors, and Varistors****032-0 Indexes and Equipment Test Lists****032-1 Capacitors, Diodes, Resistors, Thermistors, Transistors, and Varistors****032-3 Cords, Cord Reels, Drops, and Noncoded Connectors, Jacks, Plugs, and Sockets****032-5 Lamps, Plugs, Signals, and Sockets****032-7 Keys****032-9 Drops, Keys, and Signals — Condensed Sections**

Number	Issue	Subject
<b>032-0 Indexes and Equipment Test Lists</b>		
032-000-000	19	Numerical Index — Division 032 — Capacitors, Connectors, Cords, Cord Reels, Diodes, Drops, Jacks, Keys, Lamps, Plugs, Resistors, Signals, Sockets, Thermistors, Transistors, and Varistors
032-001-011	12	ETL — Electrolytic Capacitors
<b>032-1 Capacitors, Diodes, Resistors, Thermistors, Transistors, and Varistors</b>		
032-100-101	1	Electrolytic Capacitors — 100 and 101 Types — Description
032-100-102	1	Description of Circuit Requirement Table for Electrolytic Capacitors
032-100-301	1	Electrolytic Capacitors — 100 and 101 Types — Method of Operation
032-100-701	1	Electrolytic Capacitors — 100 and 101 Types — Requirements and Adjusting Procedures
032-110-501	5	Electrolytic Capacitors — Testing Procedures

Number	Issue	Subject
032-110-701	8	Electrolytic Capacitors — Aluminum-Type — Requirements and Procedures
032-120-101	3	Fixed Capacitors and Fixed Resistors — (KS-SPEC., MIL or JAN, RETMA) — Color Codes and Reference Data
032-140-811	1	Resistors — 18- and 19-Type — Procedures for Mounting
032-150-201	2	Thermistors in PBX Switchboard and Order Turret Trunk Circuits — Installation
032-160-701	2	Diodes — 400-Type — Current Flow Requirements Using KS-12054 Test Set
032-170-201	2	Click Reducing Varistors in PBX Switchboard and Order Turret Telephone Circuits — Installation
032-170-501	2	Click Reducing Varistors in Operator Telephone Circuits — Resistance Test
032-171-501	2	Varistors — Transmission Loss Measurements Using the 12-dB Pad
032-173-301	7	Testing, Replacing, Handling, Storing, and Shipping Circuit Packs and Semiconductor Devices
032-174-801	1	Diodes on 835A Networks on J67465 Outgoing Trunk Identification Frames in 4A and 4M Toll Crossbar Offices — Replacement Procedures
032-182-101	1	Telephone Memory Devices

**032-3 Cords, Cord Reels, Drops, and Noncoded Connectors, Jacks, Plugs, and Sockets**

032-300-101	6	Noncoded Connectors — P-267188, P-47C328, P47C329, and KS-13836 Through KS-14525 — Description
032-300-105	1	Noncoded Connectors — KS-14528 Through KS-16370 — Description
032-300-110	1	Noncoded Connectors — KS-16409 Through KS-19081 — Description
032-300-115	2	Noncoded Connectors — KS-19087 Through KS-19088 — Description

Number	Issue	Subject	Number	Issue	Subject
032-300-120	1	Noncoded Connectors — KS-19163 Through KS-19198 — Description	032-302-105	1	Noncoded Plugs — KS-16081 Through KS-16476 — Description
032-300-125	1	Noncoded Connectors — KS-19278 Through KS-19281 — Description	032-302-110	1	Noncoded Plugs — KS-16671 Through KS-16785 — Description
032-300-130	2	Noncoded Connectors — KS-19331 Through KS-19770 — Description	032-302-115	1	Noncoded Plugs — KS-19044 Through KS-19183 — Description
032-300-135	1	Noncoded Connectors — KS-19771 Through KS-20144 — Description	032-302-120	2	Noncoded Plugs — KS-19184 Through KS-19912 — Description
032-300-138	1	Noncoded Connectors — KS-20201 Through KS-20262 — Description	032-302-125	1	Noncoded Plugs — KS-20126 Through KS-20999 — Description
032-300-140	1	Noncoded Connectors — KS-20265 Through KS-20633 — Description	032-302-130	1	Noncoded Plugs — KS-21049 Through KS-22335 — Description
032-300-145	1	Noncoded Connectors — KS-20635 Through KS-20863 — Description	032-303-101	3	Noncoded Sockets — KS-8132 Through KS-13680 — Description
032-300-150	1	Noncoded Connectors — KS-20867 Through KS-21271 — Description	032-303-105	1	Noncoded Sockets — KS-14099 Through KS-14638 — Description
032-300-155	2	Noncoded Connectors — KS-21274 Through KS-21442 — Description	032-303-110	1	Noncoded Sockets — KS-16102 Through KS-19826 — Description
032-300-160	2	Noncoded Connectors — KS-21443 Through KS-21813 — Description	032-303-115	2	Noncoded Sockets — KS-21295 Through KS-21320 — Description
032-300-165	1	Noncoded Connectors — KS-21869 Through KS-22066 — Description	032-303-120	1	Noncoded Sockets — KS-21538 Through KS-22320 — Description
032-300-170	1	Noncoded Connectors — KS-22148 Through KS-22506 — Description	032-305-801	2	KS-14528, KS-14555, KS-14672, KS-16323 Connectors, KS-14095, KS-14173, and KS-16080 Jacks, KS-13875, KS-14460, and KS-14482 Plugs, and KS-14453 Socket — Piece-Part Data and Replacement Procedures
032-301-101	5	Noncoded Jacks KS-13733 Through KS-14982 — Description	032-311-100	1	Patching and Testing Cord Assemblies — One-Conductor Cords — General
032-301-105	1	Noncoded Jacks — KS-16080 Through KS-19649 — Description	032-311-102	5	Patching Cord Assemblies — One-Conductor Cords — 1P1A to 1P12A — Description
032-301-110	1	Noncoded Jacks — KS-20452 Through KS-21004 — Description	032-311-111	4	Patching Cord Assemblies — One-Conductor Cords — P1A Through P1Y — Description
032-301-115	1	Noncoded Jacks — KS-21152 Through KS-22493 — Description	032-311-121	3	Testing Cord Assemblies — One-Conductor Cords 1W1A to 1W17A — Description
032-302-101	5	Noncoded Plugs P-337449 Through P-44B492 and KS-8585 Through KS-14958 — Description			

Number	Issue	Subject	Number	Issue	Subject
032-311-131	3	Testing Cord Assemblies — One- Conductor Cords — W1B through W1AU — Description	032-312-133	7	Testing Cord Assemblies — 2- Conductor Cords — W2ER Through W2FY — Description
032-311-132	8	Testing Cord Assemblies — One- Conductor Cords — W1AW Through W1BW — Description	032-312-134	7	Testing Cord Assemblies — 2- Conductor Cords — W2GA Through W2GY — Description
032-311-145	2	Testing Cord Assemblies — One- Conductor Cords — Miscellaneous — Description	032-312-135	3	Testing Cord Assemblies — 2- Conductor Cords — W2HA Through W2HJ — Description
032-312-100	1	Patching and Testing Cord Assemblies — 2-Conductor Cords — General	032-312-145	2	Testing Cord Assemblies — 2- Conductor Cords — Miscellaneous — Description
032-312-102	4	Patching Cord Assemblies — 2- Conductor Cords — 2P1A through 2P29A — Description	032-313-100	1	Patching and Testing Cord Assemblies — 3-Conductor Cords — General
032-312-103	4	Patching Cord Assemblies — 2- Conductor Cords — 2P30A through 2P38A — Description	032-313-102	3	Patching Cord Assemblies — 3- Conductor Cords — 3P1A through 3P16B — Description
032-312-107	1	Patching Cord Assemblies — 2- Conductor Cords — P2A Through P2T — Description	032-313-103	5	Patching Cord Assemblies — 3- Conductor Cords — 3P17A to 3P36D — Description
032-312-111	6	Patching Cord Assemblies — 2- Conductor Cords — P2AA Through P2CD — Description	032-313-104	2	Patching Cord Assemblies — 3- Conductor Cords — 3P38A to 3P40A — Description
032-312-112	4	Patching Cord Assemblies — 2- Conductor Cords — P2CF through P2DY — Description	032-313-108	2	Patching Cord Assemblies — 3- Conductor Cords — P3A Through P3W — Description
032-312-113	4	Patching Cord Assemblies — 2- Conductor Cords — P2EA Through P2EY — Description	032-313-111	7	Patching Cord Assemblies — 3- Conductor Cords — P3AA Through P3BN — Description
032-312-114	2	Patching Cord Assemblies — 2- Conductor — P2FA Through P2FL — Description	032-313-121	3	Testing Cord Assemblies — 3- Conductor Cords — 3W1A to 3W14B — Description
032-312-121	2	Testing Cord Assemblies — 2- Conductor Cords — 2W1A to 2W28A — Description	032-313-122	5	Testing Cord Assemblies — 3- Conductor Cords — 3W15A through 3W20A — Description
032-312-122	4	Testing Cord Assemblies — 2- Conductor Cords — 2W29A through 2W48A — Description	032-313-131	3	Testing Cord Assemblies — 3- Conductor Cords — W3A Through W3Y — Description
032-312-123	3	Testing Cord Assemblies — 2- Conductor Cords — 2W49A through 2W53A — Description	032-313-132	4	Testing Cord Assemblies — 3- Conductor Cords — W3AA Through W3AY — Description
032-312-130	2	Testing Cord Assemblies — 2- Conductor Cords — W2A Through W2Y	032-313-133	2	Testing Cord Assemblies — 3- Conductor Cords — W3BB Through W3BP — Description
032-312-131	7	Testing Cord Assemblies — 2- Conductor — W2AA Through W2CL — Description	032-314-100	1	Patching and Testing Cord Assemblies — 4-Conductor Cords — General
032-312-132	8	Testing Cord Assemblies — 2- Conductor Cords — W2CN Through W2EP — Description	032-314-102	5	Patching Cord Assemblies — 4- Conductor Cords — 4P1A Through 4P24A — Description

Number	Issue	Subject	Number	Issue	Subject
032-314-103	3	Patching Cord Assemblies — 4-Conductor Cords — 4P25A to 4P27A — Description	032-317-103	4	Patching Cord Assemblies — Cords Having More Than Six Conductors — 14P1A Through 14P1K — Description
032-314-111	5	Patching Cord Assemblies — 4-Conductor Cords — P4H to P4AY — Description	032-317-111	4	Patching Cord Assemblies — Cords Having More Than Six Conductors — P8A Through P11C — Description
032-314-112	7	Patching Cord Assemblies — 4-Conductor Cords — P4BA Through P4BR — Description	032-317-112	3	Patching Cord Assemblies — Cords Having More Than Six Conductors — P12A Through P14D — Description
032-314-121	4	Testing Cord Assemblies — 4-Conductor Cords — 4W1A through 4W12A — Description	032-317-113	4	Patching Cord Assemblies — Cords Having More Than Six Conductors — P18A Through P22A — Description
032-314-131	7	Testing Cord Assemblies — 4-Conductor Cords — W4H Through W4BY — Description	032-317-115	5	Patching Cord Assemblies — Cords Having More Than Six Conductors — P24A to P125A — Description
032-314-132	7	Testing Cord Assemblies — 4-Conductor Cords — W4CA Through W4DC — Description	032-317-131	5	Testing Cord Assemblies — Cords Having More Than Six Conductors — W7A Through W16C — Description
032-314-145	1	Miscellaneous Cord Assemblies — 4-Conductor Cords — Description	032-317-133	4	Testing Cord Assemblies — Cords Having More Than Six Conductors — W17A Through W23B — Description
032-315-100	1	Patching and Testing Cord Assemblies — 5-Conductor Cords — General	032-317-135	4	Testing Cord Assemblies — Cords Having More Than Six Conductors — W25A Through W100A — Description
032-315-102	4	Patching Cord Assemblies — 5-Conductor Cords — 5P1A through 5P7A — Description	032-317-145	1	Patching Cord Assemblies — Cords Having More Than Six Conductors — M12L to M30A — Description
032-315-111	5	Patching Cord Assemblies — 5-Conductor Cords — P5B Through P5M — Description	032-318-101	1	Patching Cord Assemblies — Cords Having More Than Six Conductors — D25D-87 to D75B-87 — Description
032-315-131	4	Testing Cord Assemblies — 5-Conductor Cords — W5B to W5G — Description	032-318-102	1	Patching Cord Assemblies — Cords Having More Than Six Conductors — D150P-87 to D250F-87 — Description
032-316-100	1	Patching and Testing Cord Assemblies — 6-Conductor Cords — General	032-322-501	2	Switchboard Cords, Plugs, Associated Keys and Lamps, and Miscellaneous Shelf Apparatus — Visual Inspection
032-316-102	4	Patching Cord Assemblies — 6-Conductor Cords — 6P1A to 6P15B — Description	032-322-811	4	Switchboard Cord Cushions — 1A, 2A and 4A Type — Installation Procedures
032-316-111	7	Patching Cord Assemblies — 6-Conductor Cords — P6B Through P6AE — Description			
032-316-121	2	Testing and Assemblies — 6-Conductor Cords — 6W1A to 6W2A — Description			
032-316-131	5	Testing Cord Assemblies — 6-Conductor Cords — W6A to W6P — Description			
032-317-100	2	Patching and Testing Cord Assemblies — Cords Having More Than Six Conductors — General			

Number	Issue	Subject	Number	Issue	Subject
032-323-501	1	Patching Cords and Test Lines — Toll Offices — Tests	032-380-701	2	Combined Jacks and Signals — Nos. 23C, 52C, and 55C — Requirements and Adjusting Procedures
032-324-501	4	Unattached Cords and Make-Busy Plugs Using Patching Cord Test Set — Tests and Inspections	<b>032-5 Lamps, Plugs, Signals, and Sockets</b>		
032-325-801	2	P-15A417 Cord Holder — Mounting and Use on Crossbar Switches	032-500-501	1	Resistance Lamps — Tests and Inspections
032-329-801	6	Cord Reels — KS-14975 and KS-16124 Types — Piece-Part Data and Replacement Procedures	032-501-801	7	Switchboard Lamps and Light-Emitting Diodes — Description, Ordering Information, and Method of Placing
032-340-701	3	Drops — 4, 19, 35, and 56 Types — Requirements and Adjusting Procedures (Condensed Section: 032-930-701)	032-510-101	12	Coded Plugs — 1 Through 199 — Description
032-341-701	2	22-Type Drops — Requirements and Adjusting Procedures	032-510-104	1	Coded Plugs — 200 Through 249 — Description
032-350-501	3	49- and 92-Type Switchboard Multiple Jacks — Local Switchboards — Tests and Inspections	032-510-107	1	Coded Plugs — 250 Through 299 — Description
032-350-502	1	Jacks — 49, 92, 141, 218, 275, 284, 285, 295, 365 and Similar Types — Cutout Test Using Test Set J94720A	032-510-110	1	Coded Plugs — 300 Through 324 — Description
032-350-701	4	49-Type Jacks — Requirements and Adjusting Procedures	032-510-113	1	Coded Plugs — 325 Through 349 — Description
032-350-801	4	Jacks — 49, 137, 138, 141, 166, 275, 295, 308, 347, 362, 365, 378, 494, 499, and 500 Types — Piece-Part Data and Replacement Procedures	032-510-116	1	Coded Plugs — 350 Through 374 — Description
032-351-701	3	Jacks — 92, 229, 292, 510, 511, and 512 Types — Requirements and Adjusting Procedures	032-510-119	1	Coded Plugs — 375 Through 399 — Description
032-351-801	4	Jacks — 92-, 229-, 292-, 510-, 511-, and 512-Types — Piece-Part Data and Replacement Procedures	032-510-122	1	Coded Plugs — 400 Through 424 — Description
032-352-701	4	Jacks (Used with 310- or 347-Type Plugs) — Requirements and Adjusting Procedures	032-510-125	1	Coded Plugs — 425 Through 449 — Description
032-353-501	2	141-Type Switchboard Multiple Jacks — Nos. 9 and 10 Switchboards — Tests and Inspections	032-510-128	1	Coded Plugs — 450 Through 474 — Description
032-356-701	1	Jacks — No. 463A — Requirements and Adjusting Procedures	032-510-131	1	Coded Plugs — 475 Through 499 — Description
032-357-801	1	Jacks — 513, 514, 545, and 556-Types Repair	032-510-134	1	Coded Plugs — 500 Through 514 — Description
			032-510-137	1	Coded Plugs — 515 Through 526 — Description
			032-511-101	4	Coded Jacks—1 Through 199 — Description
			032-511-104	1	Coded Jacks — 201 Through 249 — Description
			032-511-107	1	Coded Jacks — 250 Through 299 — Description
			032-511-110	1	Coded Jacks — 300 Through 349 — Description
			032-511-113	1	Coded Jacks — 350 Through 399 — Description

Number	Issue	Subject	Number	Issue	Subject
032-511-116	1	Coded Jacks — 400 Through 449 — Description	032-544-301	1	KS-20864 L16 Through L19 Adapters — Mounting and Use
032-511-119	1	Coded Jacks — 450 Through 474 — Description	032-545-701	2	Plugs and Sockets — Howard B. Jones Type — Requirements and Adjusting Procedures
032-511-122	1	Coded Jacks — 475 Through 499 — Description	032-550-701	2	4-Type Signals — Requirements and Adjusting Procedures (Condensed Section: 032-950-701)
032-511-125	1	Coded Jacks — 500 Through 549 — Description	032-551-701	2	Signals — 34 and 41 Types — Requirements and Adjusting Procedures
032-511-128	1	Coded Jacks — 550 Through 574 — Description	032-551-801	1	Signals — 34, 39, and 41 Types and Associated Signal Mountings — Piece-Part Data and Replacement Procedures
032-511-131	1	Coded Jacks — 575 Through 599 — Description	032-552-701	3	Signals — 42-Type — Requirements and Adjusting Procedures
032-511-134	1	Coded Jacks — 600 Through 624 — Description	032-552-801	1	Signals — 42-Type and Associated Signal Mountings — Piece-Part Data and Replacement Procedures
032-511-137	1	Coded Jacks — 625 Through 649 — Description	032-556-701	2	Signals — D-96972 and D-968229 and D-96846 Indicators — Requirements and Adjusting Procedures
032-511-138	1	Coded Jacks — 650 Through 700 — Description	032-570-811	1	Lamp Sockets — 13 and 41A Types — Installation of KS-8470 Paper Insulators
032-512-101	1	Coded Connectors — 200 Through 310 — Description	032-571-801	1	310A Lamp Socket Mounting — Piece Part Data and Replacement Procedures
032-512-104	1	Coded Connectors — 700 Through 809 — Description	<b>032-7 Keys</b>		
032-512-107	1	Coded Connectors — 900 Through 907 — Description	032-700-701	4	60-Type Selector and 491-Type — Requirements and Adjusting Procedures
032-512-110	1	Coded Connectors — 908 Through 914 — Description	032-701-701	3	A-3, B-11, 69, 183, 242, 492, 508, 521, and 539 Types — Requirements and Adjusting Procedures
032-512-113	1	Coded Connectors — 915 Through 939 — Description	032-702-701	3	89, 92, 188, 424, 464, 494, 495, and 527 Types — Requirements and Adjusting Procedures (Condensed Section: 032- 970-701)
032-512-116	1	Coded Connectors — 940 Through 943 — Description			
032-512-119	1	Coded Connectors — 946 Through 959 — Description			
032-512-122	1	Coded Connectors — 960 Through 990 — Description			
032-520-501	3	47-, 289-, 312-, and Similar Type Plugs			
032-521-501	1	Switchboard Plugs — Nos. 109 and 110 — Tests			
032-542-801	10	Plugs Associated With Switchboard Cords and Method of Replacing S3A Cords Piece-Part Data and Replacement Procedures			
032-543-301	5	459-Type Plugs — Mounting and Use on Small Crossbar Switches			

Number	Issue	Subject	Number	Issue	Subject
032-703-801	8	92, 233, 479, 490, 493, 497, 498, 499, 520, 523, 524, 529, 545, A1, A2, A4, A5, A6, A7, A8, A9, A10, A11, A13, A14, A15, A17, A18, A20, A26, A27, A28, A29, A30, A31, A32, A33, A34, A35, A36, A37, B1, B2, B3, B5, B6, B7, B8, B9, B10, B14, B15, B17, B18, B19, B20, B22, B23, B25, B26, C1, C2, C3, C5, C6, C7, E1, E2, E6, G1, G2, G3, G4, G6 and G7 Types — Piece-Part Data and Replacement Procedures	032-711-701	3	357, 370, 375, 376, 377, 378, 379, 381, 382, 383, 388, 390, 391, 392, 393, 394, 395, 396, 397, 398, 426, 488, and 511 Types and Nos. 6002A, B, C, D, F, G, and H and Associated Levers — Requirements and Adjusting Procedures
			032-712-701	3	438, 439, 450, 451, 453, 462, and 463 Types — Requirements and Adjusting Procedures
			032-713-701	2	478-Type — Requirements and Adjusting Procedures
032-704-701	2	102, 103, 104, 105, 107, 110, 111, 115, 116, 117, 118, 120, 121, 122, 123, 124, 131, 135, 136, 139, 140, 143, 147, 150, 151, 155, 156, 164, 165, 167, 172, 177, 178, 184, 189, 192, 194, 196, 198, 201, 210, 212, 225, 247, 249, 250, 256, 257, 262, 264, 266, 267, 270, 277, 280, 285, 291, 369, 415, 421, 423, 425, 429, 431, 432, and 454 Types and No. 6002-E — Requirements and Adjusting Procedures	032-714-701	5	479, 497, 501, 503, 504, 506, 507, 512, 514, 516, 526, 529, 531, 532, 540, 546, 548, 555, 557, 558, 571, 578, 586, 6008, 6009, 6011, A1, A2, A5, A6, A7, A8, A9, A10, A11, A13, A14, A15, A17, A18, A20, A23, A24, A25, A26, A27, A29, A30, A31, A32, A33, A35, B1, B3, B5, B6, B7, B8, B10, B14, B15, B17, B18, B19, B21, C1, C2, C3, C5, C6, C7, C8, E5, G1, G2, and G6 Types — Requirements and Adjusting Procedures (Condensed Section: 032-970-701)
032-705-701	2	214, 217, 227, 228, 229, 230, 231, 273, 352, 362, 408, and 416 Types — Requirements and Adjusting Procedures	032-716-701	2	493-Type — Requirements and Adjusting Procedures
032-706-701	2	223-Type — Requirements and Adjusting Procedures	032-717-701	3	499, 523, and 524 Types — Requirements and Adjusting Procedures
032-707-701	2	237- and 243-Type — Requirements and Adjusting Procedures	032-718-701	2	513-Type — Requirements and Adjusting Procedures
032-708-701	2	251-Type — Requirements and Adjusting Procedures (Condensed Section: 032- 971-701)	032-719-701	4	517, 530, A21, B13, C4, C9, C10, and C11 Types — Requirements and Adjusting Procedures
032-709-701	5	272, 406, 498, 538, 556, 6013, A4, B2, B9, and B20 Types — Requirements and Adjusting Procedures (Condensed Section: 032-970-701)	Addendum	1	
032-710-701	2	290 and 293 Types — Requirements and Adjusting Procedures	032-720-701	2	518-Type — Requirements and Adjusting Procedures
			032-721-701	2	519-Type — Requirements and Adjusting Procedures
			032-722-701	3	520-Type — Requirements and Adjusting Procedures
			032-723-701	5	545, 575, 591, A28, A34, A36, B22, B23, B25, B26, E6, G3, G4 and G5 Types — Requirements and Adjusting Procedures

Number	Issue	Subject	Number	Issue	Subject
032-724-701	9	547, 552, 576, 579, 582, 583, 585, 592, 596, 597, 614, 615, 624, 625, 630, 648A, 649A, and 650 Types — Requirements and Adjusting Procedures	<b>032-9 Drops, Keys, and Signals — Condensed Sections</b>		
032-724-801	10	547-, 552-, 576-, 579-, 585-, 588-, 589-, 590-, 592-, 596-, 597-, 611-, 614-, 615-, 618-, 624-, 625-, 626-, 629-, 630-, 636-, 638-, 648-, 649-, 650-, 651-, 656-, 657-, 658-, 661-, 663-, 664-, 665-, 680-, 681-, and 683-Type — Piece-Part Data and Replacement Procedures	032-930-701	1	Drops — 19, 35, and 56 Types — Requirements — (Condensed Sections for 032- 340-701)
032-725-701	1	570-Type — Requirements and Adjusting Procedures	032-950-701	1	4-Type Signals — Requirements — (Condensed Section for 032-550-701)
032-726-701	3	580A and 581A — Requirements and Adjusting Procedures	032-970-701	4	Keys — 92, 188, 272, 406, 424, 464, 479, 498, 501, 514, 526, 529, 531, 532, 540, 557, 558, 586, 6009, 6011, 6013, A1, B1, B2, B9, B20, C1, C3, and G1 Types — Requirements — (Condensed Section for 032-702-701, 701)
032-726-801	1	580 and 581 Types and Associated Keyshelf Bushing — Piece-Part Data and Replacement Procedures	032-971-701	1	251-Type Keys — Requirements — (Condensed Section for 032-708-701)
032-750-701	2	E1 and E2 Types — Requirements and Adjusting Procedures	032-972-701	1	Keys — Stromberg-Carlson 307, 311, and 320 Types — Requirements — (Condensed Section for 032-790-701 and 032-790-702)
032-751-701	1	E4A Key — Requirements and Adjusting Procedures			
032-771-811	2	Fiber Key Shields — Installation			
032-790-701	2	Stromberg-Carlson 307 and 311 Types — Requirements and Adjusting Procedures (Condensed Section: 032-972-701)			
032-790-702	2	Stromberg-Carlson 319 and 320 Types — Requirements and Adjusting Procedures (Condensed Section: 032-972-701)			



**Division 034****Distributors, Regenerators, and Regenerative Repeaters for Teletypewriter Service  
AMA Tape Reels/Reelers, Cleaning Cabinets,  
Perforators, Readers, Recorders/Reproducers,  
Tape Announcing Machines, and Translators**

	Number	Issue	Subject
	034-102-701	2	14F, 14G, and 14M Transmitters-Distributors — Requirements and Adjusting Procedures
	Addendum	1	
	034-107-701	3	Motor Governors for 106A1 Regenerative Repeaters and Transmitter Distributors of 110C1 Multiple Senders — Requirements and Adjusting Procedures
	034-110-801	1	Motorized Tape Chute — Piece-Part Data and Replacement Procedures
034-0 Index and Equipment Test Lists			
034-1 Distributors, Regenerators, and Regenerative Repeaters (TELETYPE®)	034-120-701	3	1A and 1B Regenerator Units — Requirements and Adjusting Procedures
034-3 Perforators, Readers, Cleaning Cabinet, Recorders, Recorder-Reproducers, Tape Reeler, AMA Tape Reel and Tape Announcing Machine	034-120-811	1	1A Regenerator Unit — Application of Lacquer to Front Insulator to Improve Insulation Resistance
034-7 Translators	034-140-701	1	102A1 Regenerative Repeater Using 119A Telegraph Signal Biasing Circuit — Requirements and Adjusting Procedures
	034-141-701	2	106A1 Regenerative Repeater Using 119A Telegraph Signal Biasing Circuit — Requirements and Adjusting Procedures
034-0 Index and Equipment Test Lists			
034-000 Index			
034-000-000	31		Numerical Index — Division 034 — Distributors, Regenerators, and Regenerative Repeaters for Teletypewriter Service — AMA Tape Reels/Reeler, Cleaning Cabinet, Perforators, Readers, Recorder/Reproducers, Tape Announcing Machine, and Translators
034-001 Equipment Test List			
034-001-011	17		Recording Equipment
034-001-012	4		Teletypewriter Distributors
034-1 Distributors, Regenerators, and Regenerative Repeaters (TELETYPE®)			
034-100-701	3		5D, 5E, 6A, D-95881, D-96944, D-98676 Distributors — Requirements and Adjusting Procedures
034-101-701	2		12AH and 12BH Receiving Distributors for 101A and 102A TTY Concentrator Units — Requirements and Adjusting Procedures
	034-300-701	3	D-175914 and D-176283 Perforators — Requirements and Adjusting Procedures
	Addendum	1	
	034-300-801	2	D-175914 and D-176283 Perforators — Piece-Part Data and Replacement Procedures
	034-305-101	1	KS-13834 Perforator (Trouble Recorder) — Description
	Addendum	1	
	034-305-701	8	KS-13834, L1 Perforator (Trouble Recorder) — Requirements and Adjusting Procedures
	Addendum	1	
	034-305-801	7	KS-13834, L1 Perforator (Trouble Recorder) — Piece-Part Data and Replacement Procedures
	034-305-811	3	KS-13834 Perforator — Cards, Storing and Handling
	034-300-701	3	D-175914 and D-176283 Perforators — Requirements and Adjusting Procedures
	Addendum	1	
	034-300-801	2	D-175914 and D-176283 Perforators — Piece-Part Data and Replacement Procedures
	034-305-101	1	KS-13834 Perforator (Trouble Recorder) — Description
	Addendum	1	
	034-305-701	8	KS-13834, L1 Perforator (Trouble Recorder) — Requirements and Adjusting Procedures
	Addendum	1	
	034-305-801	7	KS-13834, L1 Perforator (Trouble Recorder) — Piece-Part Data and Replacement Procedures
	034-305-811	3	KS-13834 Perforator — Cards, Storing and Handling

Number	Issue	Subject	Number	Issue	Subject
034-306-501	1	KS-13882 L1 and L2 Perforators Using the Perforator and Reader — Test Circuit SD-95497-01 — Tests	Addendum	1	
034-306-502	1	KS-13882, L1, L2, and L3 Perforators — Checks and Requirements — Using Test Circuit SD-40040-01	034-335-503	1	KS-13835, L7 Reader Test Using the 151A Test Set
Addendum	1		Addendum	1	
034-306-701	5	KS-13882 L1, L2, and L3 Perforators — Adjusting Procedures — Perforator Cabinet - Requirements	034-335-701	7	KS-13835, L1, L2, L3, L4, L5, L6, and L7 Readers — Requirements and Adjusting Procedures
Addendum	1		034-335-801	8	KS-13835, L1, L2, L3, L4, L5, L6, and L7 — Piece-Part Data and Replacement Procedures
034-306-801	5	KS-13882, L1, L2, and L3 Perforators — Piece-Part Data and Replacement Procedures	034-338-701	1	KS-16789, L1 Reader — Requirements and Adjusting Procedures
Addendum	1		034-338-801	2	KS-16789, L1 Reader — Piece-Part Data and Replacement Procedures
034-310-301	4	AMA Perforator Tape — Handling and Splicing	034-339-301	2	NCR EM-D2 Punched Card Reader — Description and Operation
034-311-301	5	Magnetic Tape Management for Stored Program Control, Automatic Message Accounting, and Automatic Message Accounting Recording Center Applications — Description	034-339-302	1	NCR EM-D2 Punched Card Reader — Trouble Location
■ 034-311-301AC	1	Magnetic Tape Management for Stored Program Control, Automatic Message Accounting, and Automatic Message Accounting Recording Center Applications — Description	Addendum	1	
034-311-302	3	KS-21439, L1, L2, L3, and L4 Data Cartridges — Description, Procurement, and Handling	034-339-701	2	NCR EM-D2 Punched Card Reader — Requirements and Adjusting Procedures
034-330-701	1	D-176284, D-176447, and D-176449 Readers — Requirements and Adjusting Procedures	034-339-801	1	NCR EM-D2 Punched Card Reader — Piece-Part Data and Replacement Procedures
034-330-801	1	D-176284, D-176447, and D-176449 Readers — Piece-Part Data and Replacement Procedures	034-349-701	2	KS-13928 Cleaning Cabinet — Requirements and Adjusting Procedures
034-335-301	1	Method of Analysis of Perforator AMA Tape	034-349-801	2	KS-13928 Cleaning Cabinet — Piece-Part Data and Replacement Procedures
034-335-501	1	KS-13835, L1, L2, L3, and L4 Readers Using Perforator and Reader — Test Circuit SD-95497-01 — Tests	034-350-701	6	KS-12055, L4 and L6 Recorder-Reproducers — Requirements and Adjusting Procedures
034-335-502	3	KS-13835, L1 L2, L3, L4, L5, L6, and L7 Readers Using Perforator and Reader Test Circuit SD-40040-01 — Tests	034-350-801	5	KS-12055, L4 and L6 Recorder-Reproducer — Piece-Part Data and Replacement Procedures
			034-351-701	8	KS-12068, L4, L5, L6, and L7 Recorder- Reproducers — Requirements and Adjusting Procedures
			034-351-801	6	KS-12068, L4, L5, L6, and L7 Recorder- Reproducers — Piece-Part Data and Replacement Procedures
			034-352-701	1	D-151131 Tape Announcing Machine — Requirements and Adjusting Procedures

Number	Issue	Subject	Number	Issue	Subject
034-352-801	1	D-151131 Tape Announcing Machine — Piece-Part Data and Replacement Procedures	034-357-301	2	KS-19325, L1 Recorder — Description and Operation
034-353-501	1	KS-16534 Recorder-Reproducer and Associated Audio Facilities — Alarm and Automatic Transfer Tests	034-357-302	1	KS-19325, L1 Recorder — Trouble- Locating Procedures
034-353-701	2	KS-16534 Recorder-Reproducer and Associated Audio Facilities — Adjusting Procedures	034-357-701	1	KS-19325 Recorder — Requirements and Adjusting Procedures
034-353-702	1	KS-16534, L1 Recorder-Reproducer General — Requirements and Adjusting Procedures	Addendum	2	
034-353-703	1	KS-16534, L1 Recorder-Reproducer — Control Unit — Requirements and Adjusting Procedures	034-357-801	1	KS-19325, L1 Recorder — Piece-Part Data and Replacement Procedures
034-353-704	1	KS-16534, L1 Recorder-Reproducer — Recorder-Reproducer Mechanism — Requirements and Adjusting Procedures	034-358-301	2	KS-19326, L1 Recorder — Description and Operation
Addendum	2		034-358-302	1	KS-19326, L1 Recorder — Trouble Locating Procedures
034-353-801	1	KS-16534, L1 Recorder-Reproducer — Piece-Part Data and Replacement Procedures	034-358-701	3	KS-19326, L1 Recorder — Requirements and Adjusting Procedures
034-354-701	6	KS-16765, L3 and L3HD Recorders — Requirements and Adjusting Procedures	Addendum	2	
034-354-801	6	KS-16765, L3 and L3HD Recorders — Piece-Part Data and Replacement Procedures	034-358-801	2	KS-19326, L1 Recorder — Piece-Part Data and Replacement Procedures
Addendum	1		034-359-301	2	10A Recorder and Associated Apparatus Used in 2AA and Modified 2A Telephone Answering Sets — Operating Methods
034-355-701	3	KS-19124, L2 Record-Reproduce Mechanism — Requirements and Adjusting Procedures	034-359-701	3	10A Recorder and Associated Apparatus Used in 2AA and Modified 2A Telephone Answering Sets — Requirements and Adjusting Procedures
034-355-801	4	KS-19124, L2 Record-Reproduce Mechanism — Piece-Part Data and Replacement Procedures	034-359-801	2	10A Recorder and Associated Apparatus Used in 2AA and Modified 2A Telephone Answering Sets — Piece-Part Data and Replacement Procedures
034-356-301	3	KS-19125, L1 and L2 Recorders — AMA Magnetic Tape Handling and Threading	034-360-301	4	KS-19125, L3 Recorder — Magnetic Tape Handling and Threading
Addendum	1		034-360-701	4	KS-19125, L3 Recorder — Requirements and Adjusting Procedures
034-356-701	4	KS-19125, L1 and L2 Recorders — Requirements and Adjusting Procedures	034-360-801	3	KS-19125, L3 Recorder — Piece-Part Data and Replacement Procedures
Addendum	1		Addendum	2	
034-356-801	3	KS-19125, L1 and L2 Recorders — Piece- Part Data and Replacement Procedures	034-361-301	1	KS-20017, L3 Recorder — Trouble Locating Procedures
			Addendum	1	
			034-361-701	1	KS-20017, L3 Recorder — Requirements and Adjusting Procedures

Number	Issue	Subject	Number	Issue	Subject
034-361-801	3	KS-20017, L3 Recorder — Piece-Part Data and Replacement Procedures	034-369-802	1	KS-20571 Recorder — KS-20573 Rectifier — Piece-Part Data and Replacement Procedures
034-362-301	4	KS-21447 Mini-Recorders — Description, Operation, Requirements, Trouble-Locating Procedures, Cleaning, and Application	034-370-701	3	ED-40009-01, G2 Tape Reeler — Requirements and Adjusting Procedures
Addendum	1		Addendum	1	
034-365-301	1	KS-19647 Recorder — Magnetic Tape Handling and Threading	034-370-801	4	ED-40009-01, G2 Tape Reeler — Electrical Controls for Tape Reeler and 604-Type Tape Splicer — Piece-Part Data and Replacement Procedures
034-365-701	1	KS-19647 Recorder — Requirements and Adjusting Procedures	034-375-801	5	AMA Tape Reels — Piece-Part Data and Replacement Procedures
034-365-801	1	KS-19647 Recorder — Piece-Part Data and Replacement Procedures	034-376-701	3	KS-21432 Cassette Reproducer — Requirements, Adjusting, and Testing Procedures
034-366-701	1	KS-19671, L1 Recorder-Reproducer — Requirements and Adjusting Procedures	<b>034-7 Translators</b>		
034-366-801	1	KS-19671, L1 Recorder-Reproducer — Piece-Part Data and Replacement Procedures	<b>034-700 1-Type Translators</b>		
034-367-301	2	KS-19897 Recorder — Magnetic Tape Handling and Threading	034-700-701	2	Requirements and Adjusting Procedures
034-367-701	2	KS-19897 Recorder — Requirements and Adjusting Procedures	034-700-702	3	4 Type Apparatus Unit — Requirements and Adjusting Procedures
034-367-801	2	KS-19897 Recorder — Piece-Part Data and Replacement Procedures	Addendum	2	
034-368-301	2	KS-19829 Recorder — Magnetic Tape Handling and Threading	034-700-703	6	214A Selector — Requirements and Adjusting Procedures
Addendum	1		034-700-801	4	General — Piece-Part Data and Replacement Procedures
034-368-302	1	KS-19829 Recorder — Troubleshooting Procedures	Addendum	1	
034-368-701	4	KS-19829 Recorder — Requirements and Adjusting Procedures	034-700-802	3	4-Type Apparatus Unit — Piece-Part Data and Replacement Procedures
Addendum	1		Addendum	1	
034-368-801	3	KS-19829 Recorder — Piece-Part Data and Replacement Procedures	034-700-803	6	214A Selector — Piece-Part Data and Replacement Procedures
034-369-301	2	KS-20571 Recorder — Trouble-Locating Procedures	034-700-811	5	Restoring Collapsed Code Bars and Handling 214A Selector, 200A Blanks, and Coded Cards — 4A and 4M Toll Switching System
034-369-302	1	KS-20571 Recorder — KS-20573 Rectifier — Troubleshooting Procedures	034-700-812	2	Method of Coding Cards Using the 659-Type Tool — No. 4A and 4M Toll Switching Systems
034-369-701	2	KS-20571 Recorder — Requirements and Adjusting Procedures			
034-369-801	4	KS-20571 Recorder — Piece-Part Data and Replacement Procedures			

**Division 040****Relays****040-0 Indexes, Equipment Test Lists, and General Relay Information****-099 Customer Information Releases — CIRs****040-2 Relays — WE® Codes — Numerical****040-5 Relays — WE Codes — Alphabetical****040-6 Relays — D and KS Specifications****040-8 Relays — Non-Bell System Codes****040-9 Condensed Sections**

Number	Issue	Subject
<b>040-0 Indexes, Equipment Test Lists, and General Relay Information</b>		
040-000-000	3	Numerical Index — Division 040 — Relays
040-001-011	13	Equipment Test Lists — Relays
Addendum	1	
040-009-501	2	Resistor-Capacitor Timed Relay Interrupter Tests
040-010-711	4	Circuits Having No Circuit Requirements Table — Maintenance Requirements
040-011-711	2	Pulse Repeating Relays — Pulsing Requirements TA1 to TF2 — Using Pulse Repeating Test Set J64722A
Addendum	1	
040-011-712	1	Pulse Repeating Relays — Pulsing Requirements TA1 Through TF2 — Using 2B-1 Signaling Test Set SD-56134-02 (J64730B) and Associated Pulse Repeating Adapter Circuit
040-011-713	1	Pulse Repeating Relays — Pulsing Requirements TA1 Through TF2 — Using 4A Signaling Test Set SD-1C244-01 (J94743)

Number	Issue	Subject
040-012-711	9	Pulse Repeating Relays — Pulse Requirements A1 Through J1 — Using Pulsing Test Set SD-31481-01 (J34717A) and Pulse Repeating Test Set SD-31667-01 (J34720A)
040-012-712	3	Pulse Repeating Relays — Pulse Requirements A1 Through J1 — Using 2B-1 Signaling Test Set SD-56134-02 (J64730) and Associated Pulse Repeating Adapter Circuit
040-012-713	1	Pulse Repeating Relays — Pulsing Requirements A1 Through J1 — Using 4A Signaling Test Set SD-1C244-01 (J94743A)
040-013-711	7	Timing Requirements for Application Where Circuit Requirement Tables Do Not Show Timing Requirements
040-014-811	14	Paper Armature Stops, Backstops, and Separators — Application and List of Relays
040-015-811	4	Replacement Contact Screw for Relays Having Unusual Contact Conditions
040-016-801	6	Relay Drivers — Method of Attachment to Defective U-, AF-, AJ-, AK-, 286-, 287-, and 288-Type Relays to Maintain Service

**040-099 Customer Information Releases**

040-099-001IR	1	Discontinued Availability (DA) of Step-By-Step (SXS) Relays, Switching Systems
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**040-2 Relays — WE® Codes — Numerical**

040-210-701	1	21- and 22-Type Telegraph — Requirements and Adjusting Procedures
040-211-701	2	24-A Telegraph — Requirements and Adjusting Procedures
040-212-701	3	25-A Telegraph — Requirements and Adjusting Procedures
040-213-701	3	31-A Telegraph — Requirements and Adjusting Procedures
040-214-701	3	44-Type — Requirements and Adjusting Procedures

Number	Issue	Subject	Number	Issue	Subject
040-215-701	2	59, 105, and 108 Types — Requirements and Adjusting Procedures	040-228-701	7	206, 227, 231 and 239 Types — Requirements and Adjusting Procedures (Condensed Section: 040-902-701)
040-216-701	3	85F- and 85P-Type Relays — Requirements and Adjusting Procedures	040-228-801	4	206, 227, 231 and 239 Types — Piece-Part Data and Replacement Procedures
040-216-801	2	85F, 85N, and 87 and 186 Types — Piece-Part Data and Replacement Procedures	040-229-701	6	207 and 213 Types — Requirements and Adjusting Procedures
040-217-701	2	87-Type — Requirements and Adjusting Procedures	040-229-801	4	207 and 213 Types — Piece-Part Data and Replacement Procedures
040-218-701	3	89, 101 and 172 Types — Requirements and Adjusting Procedures	040-230-701	2	208 and 214 Types — Requirements and Adjusting Procedures
040-219-701	5	111 (Part of 163), 121, 122, 125, 149, 162, 178 and 179 Types — Requirements and Adjusting Procedures (Condensed Section: 040-900-701)	040-230-801	3	208 and 214 Types — Piece-Part Data and Replacement Procedures
Addendum	1		040-231-501	2	Polar — 209, 215, 228A, Modified 228A (D-160118) 255A and Similar Demountable Types — Tests and Inspections
040-219-801	4	111 (Part of 163), 121, 122, 125, 149, 162, 178 and 179 Types — Piece-Part Data and Replacement Procedures	040-231-701	5	209-Type and Associated 18-Type Connecting Blocks — Requirements and Adjusting Procedures
040-220-701	5	114, 124, 126, 174 and 198 Types — Requirements and Adjusting Procedures	040-231-711	6	Nos. 209FA, 209FB, 209FC, 209FG, 209FH, 209FJ, 215A, 215H, 228A, 255A and Modified No. 228A Per D-160118 Using the No. 111A1 or No. 111A2 Relay Test Panel — Requirements and Adjusting Procedures
040-220-801	3	114, 124, 126, 174, 196 and 198 Types — Piece-Part Data and Replacement Procedures	040-231-712	1	Polar — 209-FA, 215-A and 288-A Using the 2-A Relay Test Table — Requirements and Adjusting Procedures
040-220-811	2	114, 124, 126, 174 and 198 Types — Method of Attaching Flexible Bonding Straps	040-231-713	2	Nos. 209FA and 209FD Using Test Circuit Per SD-90411-01 — Requirements and Adjusting Procedures
040-221-701	1	118-Type — Requirements and Adjusting Procedures	040-231-716	3	209FB, 209FC, 209FH, 209FJ, 215A, 215H and 255A Using 116A1 Relay Test Panel — Requirements and Adjusting Procedures
040-222-701	2	150 Type and No. 218A and Associated 26A Connecting Block — Requirements and Adjusting Procedures	040-231-719	4	209FF, 209FK, 209FL and 209FM Using Test Circuit SD-96121-01 or SD-25274-01 — Requirements and Adjusting Procedures
040-223-701	2	177 and 203 Types — Requirements and Adjusting Procedures			
040-224-701	6	186-Type — Requirements and Adjusting Procedures (Condensed Section: 040-901-701)			
040-225-701	1	189-Type — Requirements and Adjusting Procedures			
040-226-701	2	190-Type — Requirements and Adjusting Procedures			
040-227-701	4	196-Type — Requirements and Adjusting Procedures			

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		040-242-701	3	235-Type — Requirements and Adjusting Procedures
040-231-801	3	209-Type and Associated 18-Type Connecting Blocks — Piece-Part Data and Replacement Procedures	040-243-701	1	236-Type (D-87799) — Requirements and Adjusting Procedures
040-231-811	2	209, 215, 228, 255 Types and D-160118 — Remagnetization of Permanent Magnets Using the No. 520A Tool	Addendum	1	
040-232-701	6	215 and 255 Types and Associated 18B Connecting Block — Requirements and Adjusting Procedures	040-247-701	5	245, 254, 263 and 264 Types — Requirements and Adjusting Procedures
040-232-801	5	215 and 255 Types and Associated No. 18B Connecting Block — Piece-Part Data and Replacement Procedures	040-247-801	5	245, 254, 263 and 264 Types — Piece-Part Data and Replacement Procedures
040-233-701	4	218B and Associated No. 26B Connecting Block — Requirements and Adjusting Procedures	040-250-701	7	253-Type — Requirements and Adjusting Procedures (Condensed Section 701)
040-233-801	3	218B — Piece-Part Data and Replacement Procedures	Addendum	1	
Addendum	3		040-254-701	9	Sensitive Types — WESTERN ELECTRIC® 260 and 261 Types, KS Types, Weston Models 30, 534, 546, 730 and 1091, Bethlehem Model 1026 — Requirements and Adjusting Procedures
040-236-701	8	221, 222, 223, 224, 225, 247, 248, 251, 252, 305, 307 and 309 Types — Requirements and Adjusting Procedures	Addendum	1	
040-236-711	5	221, 222, 223, 224 and 225 Types — List of Requirements by Relay Codes	040-256-701	4	266-Type Relays — Requirements and Adjusting Procedures
040-236-801	4	221, 222, 223, 224, 225, 247, 248, 251 and 252 Types — 132- and 133-Type Inductors and Corresponding Automatic Electric Company Apparatus — Piece-Part Data and Replacement Procedures	040-257-701	3	267 Type, D-99739 and D-175787 — Requirements and Adjusting Procedures
040-240-701	1	Modified 228A Per D-160118 and Associated No. 18F Connecting Block — Requirements and Adjusting Procedures	040-257-801	2	267 Type, D-99739 and D-175787 — Piece-Part Data and Replacement Procedures
040-240-801	2	Modified No. 228A Per D-160118 and Associated No. 18F Connecting Block — Piece-Part Data and Adjusting Procedures	040-258-701	2	268-Type — Requirements and Adjusting Procedures
040-241-701	3	229, 230 and 232 Types — Requirements and Adjusting Procedures	040-258-801	3	268-Type — Piece-Part Data and Replacement Procedures
040-241-801	2	229, 230 and 232 Types — Piece-Part Data and Replacement Procedures	040-260-701	5	271, 282 and 310 Types — Requirements and Adjusting Procedures
			040-263-501	11	275, 276, 292, 301, 303, 316, 320, and 321- Types — Tests Using Test Sets SD-95439-01 (J94725A)
			040-263-701	10	Mercury Contact — Plug-In Relays — Requirements
			Addendum	2	
			040-267-701	6	280-Type Relays — Requirements and Adjusting Procedures
			040-267-711	2	280-Type — Replacement of 206 and 239 Type Relays
			040-267-801	5	280-Type Relays — Piece-Part Data and Replacement Procedures

Number	Issue	Subject	Number	Issue	Subject
040-272-701	7	286-, 287-, and 288-Types — Requirements and Adjusting Procedures	040-504-801	8	AK-Type — Piece-Part Data and Replacement Procedures
040-272-801	6	286, 287, and 288 Types — Piece-Part Data and Replacement Procedures	Addendum	2	
040-273-711	2	287- and 288-Type — Replacement of 245-, 254-, 263- and 264-Type Relays — Requirements and Adjusting Procedures	040-505-501	1	AL- and AM-Types — Magnetic Latching Wire-Spring — Timing and Latching Force Tests Using J94735A Test Set
040-275-101	3	Dry-Reed-Type — Descriptive Information	Addendum	1	
040-275-301	2	Dry-Reed-Type — Precautions to Be Observed When Testing	040-505-701	2	AL and AM Types — (Magnetic Latching Types) — Requirements and Adjusting Procedures
040-275-811	2	Dry-Reed-Type — 289, 290, 293, 295, and 318 Types — Methods of Removing and Mounting	040-505-801	2	AL- and AM-Types — (Magnetic Latching Wire Spring) — Piece-Part Data and Replacement Procedures
040-276-801	3	Dry-Reed-Type — 302-Type — Piece-Part Data and Replacement Procedures	Addendum	2	
040-277-801	2	Flexible Stop Springs for Gravity Type Relays	040-506-701	7	B and G Types — Requirements and Adjusting Procedures (Condensed Section: 040-932-701)

**040-5 Relays — WE Codes — Alphabetical**

040-500-701	3	A and AB Types — Requirements and Adjusting Procedures	040-506-801	3	B-, C-, G- and J-Type — Piece-Part Data and Replacement Procedures
040-500-801	3	A, AB, E, EA, F, H, M, R, T, 235, and 236 Types — Piece-Part Data and Replacement Procedures	040-507-501	1	BL- and BM-Type Relays — (Magnetic Latching Wire-Spring) — Timing Tests Using J94735A Test Set
040-502-101	2	AF-, AG-, and AJ-Types — (Wire Spring Type) — Description	040-507-701	5	BF-, BG-, BJ-, BL-, and BM Types — (Miniature Wire-Spring) — Requirements and Adjusting Procedures
Addendum	2		040-507-801	4	BF-, BG-, BJ-, BL- and BM-Types — (Miniature Wire-Spring Types) — Piece Part Data and Replacement Procedures
040-502-701	9	AF, AG, and AJ Types — (Wire-Spring Types) — Requirements and Adjusting Procedures (For Condensed Section, See 040-930-701)	040-508-701	1	C-Type — Requirements and Adjusting Procedures
040-502-801	9	AF-, AG-, and AJ-Type — Piece-Part Data and Replacement Procedures	040-510-701	9	E, EA, F, H, R, and T Types — Requirements and Adjusting Procedures — (For Condensed Section See 040-933-701)
040-504-701	7	AK Type — Requirements and Adjusting Procedures — (For Condensed Section, See 040-931-701)	040-512-701	8	J-Type — Requirements and Adjusting Procedures (Condensed Section: 701)
			040-514-701	5	L, N and S Types — Requirements and Adjusting Procedures (Condensed Section: 040-935-701)
			Addendum	2	
			040-514-801	4	L, N and S Types — Piece-Part Data and Replacement Procedures



Number	Issue	Subject	Number	Issue	Subject
040-516-701	3	M-Type — Requirements and Adjusting Procedures (Condensed Section: 040-936-701)	040-630-801	1	Automatic Reverse Current — Replacement Parts and Procedures
040-516-811	1	M-Type — Application of WE® Lubricating Compound No. 3	040-631-701	1	Cutler-Hammer Automatic Reverse Current Relays — KS-5323-01 and KS-15572 — Requirements and Adjusting Procedures
040-518-501	1	Locating FA- and FB- Relay Contacts Likely to Cause Transmission Noise Similar to Banjo Tones — Trunk Link and Connector Circuits — No. 5 Crossbar Offices	040-631-801	1	Cutler-Hammer Automatic Reverse Current Relays — KS-5323-01 and KS-15572 — Piece-Part Data and Replacement Procedures
040-518-701	12	U and UA Types — Requirements and Adjusting Procedures (For Condensed Section, See 040-937-701)	040-632-701	8	Ammeter Relays — Requirements and Adjusting Procedures
040-518-801	6	U, UA, and 271 Type — Piece-Part Data and Replacement Procedures	040-632-801	1	Ammeter Relays — Piece-Part and Replacement Procedures
040-518-802	2	Method of Mounting Shock Absorbers on U-Type FA- and FB-Relays — Trunk Link and Connector Circuits — No. 5 Crossbar	040-633-701	8	Control Relays — KS-5350, KS-5451, KS-5728, KS-15503, KS-15598 and KS-15806 Types and KS-5264 Transfer Switches Requirements and Adjusting Procedures
040-520-701	5	UB Type — Requirements and Adjusting Procedures	040-634-801	2	Transfer Switches and Control Relays Electrically Operated — Replacement Parts and Procedures
040-520-801	3	UB-Type — Piece-Part Data and Replacement Procedures	040-635-701	3	KS-5453 Voltage Relays — Direct Current — Solenoid Type — Requirements and Adjusting Procedures
040-522-701	9	Y-Type — Requirements and Adjusting Procedures (For Condensed Section, See 040-937-701)	040-640-701	2	Thermal Time-Delay Relays, KS-5596 — Requirements and Adjusting Procedures
040-522-801	3	Y and 282-Type — Piece-Part Data and Replacement Procedures	Addendum	1	
<b>040-6 Relays — D and KS Specifications</b>			040-641-701	1	KS-5639 Double Coil, Multicontact Control Relay — Requirements and Adjusting Procedures
040-601-701	2	Thermal per D-80493 for Pneumatic Tube System Blockade Alarm — Requirements and Adjusting Procedures	040-641-801	1	KS-5639 Double Coil, Multicontact Control Relay — Piece-Part Data and Replacement Procedures
040-602-701	1	Bellows per D-81211 for Pneumatic Tube System Blockade Alarm — Requirements and Adjusting Procedures	040-642-701	1	KS-5656 and KS-5658 — Requirements and Adjusting Procedures
040-603-701	2	D-85083 — Requirements and Adjusting Procedures	040-643-701	2	KS-5721 Mercury Relays — Requirements and Adjusting Procedures
040-630-701	3	KS-5323 Cutler-Hammer Automatic Reverse Current Relays — Requirements and Adjusting Procedures	040-644-701	1	KS-5723 Thermal Time-Delay Relays — Requirements and Adjusting Procedures

Number	Issue	Subject	Number	Issue	Subject
040-645-701	1	KS-5923 Current or Voltage Relays — Requirements and Adjusting Procedures	Addendum	1	
040-646-701	3	KS-6902, KS-6903 and KS-7252 — Requirements and Adjusting Procedures	040-669-701	1	KS-15519-Type Control Relays — Requirements and Adjusting Procedures
040-647-701	2	KS-7801 through KS-7850 — Requirements and Adjusting Procedures	040-669-801	2	KS-15519 — Control Relays — Replacement Parts and Procedures
040-660-701	1	Thermal Relays — KS-13542, KS-13543, KS-13782, KS-13977, KS-13991 and KS-14082 — Requirements and Adjusting Procedures	040-670-701	1	Control Relays — KS-15528 and KS-15756 — Requirements and Adjusting Procedures
040-661-701	1	KS-13767 — Requirements and Adjusting Procedures	040-670-801	1	Control Relays — KS-15528 and KS-15756 — Replacement Parts and Procedures
040-662-701	1	KS-14499 — Requirements and Adjusting Procedures	040-672-701	1	KS-15623 Thermal Overload Relay — Requirements and Adjusting Procedures
040-663-701	5	Relays and Flashing Circuits — Used in Air Navigation — Obstruction Lighting Circuits — Requirements and Adjusting Procedures	040-673-701	1	KS-15863 Control Relay — Requirements and Adjusting Procedures
040-664-701	3	Time-Delay Relay, KS-15513 — Westinghouse Electric Corporation — Requirements and Adjusting Procedures	040-674-701	2	Thermal Relays — KS-16022, KS-16195 and KS-16388 Types — Requirements and Adjusting Procedures
040-664-811	1	Time-Delay Relay, KS-15513 — Westinghouse Electric Corporation — Modification to Provide an Oiling Device	040-675-701	1	KS-16620, List 1 Relay — Requirements and Adjusting Procedures
040-665-701	1	Time-Delay Relay, KS-15513 — Eagle Signal Corporation — Requirements and Adjusting Procedures	<b>040-8 Relays — Non-Bell System Codes</b>		
Addendum	1		040-801-701	2	Dash Pot Relays — Internally Adjusted and Externally Adjusted — Requirements and Adjusting Procedures
040-666-701	1	KS-15516-Type Control Relays — Requirements and Adjusting Procedures	040-801-801	2	Externally Adjusted Dash Pot Relays — Piece-Part Data and Replacement Procedures
040-666-801	1	KS-15516-Type — Piece-Part Data and Replacement Procedures	040-802-701	1	High-Low Voltage Relay — Automatic Electric Company — Requirements and Adjusting Procedures
040-667-701	3	Control Relays — KS-15517 and KS-15726 — Requirements and Adjusting Procedures	040-803-701	2	Relays — Step-by-Step — AECO Horizontal-Type Relays Not Listed — In Section 040-236-711
040-667-801	2	Control Relays — KS-15517 and KS-15726 — Replacement Parts and Procedures	Addendum	1	
040-668-701	3	Thermal Time-Delay Westinghouse Relays, KS-15518 — Requirements and Adjusting Procedures	040-804-701	1	Automatic Switch Company Relays Having No KS Designations — Requirements and Adjusting Procedures

Number	Issue	Subject	Number	Issue	Subject
040-804-801	1	Automatic Switch Company Relays Having No KS Designations — Replacement Parts and Procedures	040-905-701	3	280-Type Relays — Requirements — (Condensed Section for 040-267-701)
Addendum	1		040-930-701	6	AF, AG, and AJ Types — (Wire-Spring Types) — Requirements — (Condensed Section for 040-502-701)
040-810-701	2	Struthers-Dunn Relays Having No KS Designations — Requirements and Adjusting Procedures	Addendum	1	
040-810-801	2	Struthers-Dunn Relays Having No KS Designations — Replacement Parts and Procedures	040-931-701	4	AK Type — (Wire-Spring Type) — Requirements — (Condensed Section for 040-504-701)
Addendum	1		040-932-701	3	B and G Types — Requirements — (Condensed Section for 040-506-701)
040-811-701	1	Relays Having No KS Designations — Ward Leonard Company, Allen-Bradley Company, and Westinghouse Corporation — Requirements and Adjusting Procedures	040-933-701	3	E, EA, F, H, R and T Types — Requirements — (Condensed Section for 040-510-701)
040-816-701	11	Relays and Relay Sets — Signal Type — Requirements and Adjusting Procedures	040-934-701	4	J-Type — Requirements — (Condensed Section for 040-512-701)
040-816-801	1	Relay and Relay Sets — Signal Type — Piece-Part Data and Replacement Procedures	040-935-701	2	L, N and S Types — Requirements — (Condensed Section for 040-514-701)
040-821-701	4	Stromberg-Carlson Relays — 194, 207, 228, 244, 245, 253, 257, 263, 285 and 366 Types — Requirements and Adjusting Procedures (Condensed Section: 040-970-701)	040-936-701	2	M-Type — Requirements — (Condensed Section for 040-516-701)
040-826-701	6	Meter Type Relays — Requirements and Adjusting Procedures	040-937-701	8	U, Y, and UA Types — Requirements — (Condensed Section for 040-518-701 and 040-522-701)
			040-970-701	1	STROMBERG-CARLSON* Types — Requirements — (Condensed Section for 040-821-701)

**040-9 Condensed Sections**

040-900-701	3	111 (Part of 163), 121, 122, 125, 149, 162, 178 and 179 Types — Requirements — (Condensed Section for 040-219-701)
040-901-701	3	186-Type — Requirements — (Condensed Section for 040-224-701)
040-902-701	2	206, 227, 231 and 239 Types — Requirements — (Condensed Section for 040-228-701)
040-903-701	1	253-Type — Requirements — (Condensed Section for 040-250-701)
040-904-701	2	271, 282 and 310 Types — Requirements (Condensed Section for 040-260-701)

\* STROMBERG-CARLSON is a registered trademark of Stromberg-Carlson.

**Division 065**

**Miscellaneous Equipment and Materials**

**065-0 Indexes and Equipment Test Lists**

**065-1 Furniture, Fixtures, Appliances**

**065-2 Equipment**

-210 Framework

-215 Bays

**065-3 Materials**

Number	Issue	Subject
<b>065-0 Indexes and Equipment Test Lists</b>		
065-000-000	73	Numerical Index — Division 065 — Miscellaneous Equipment and Materials (5-95)
065-001-011	17	ETL — Furniture Fixture Appliance

**065-1 Furniture, Fixtures, Appliances**

065-100-102	6	Operator Chairs — Metal Type — Description
065-100-501	10	Operator Chairs — Tests and Inspection
065-100-801	8	Operator and Supervisor Chairs — Bentwood Type — Piece-Part Data, Replacement Procedures and Reconditioning
065-100-802	14	Operators Chairs — Metal Type — Replacement Parts, Replacement Procedures, and Minor Repairs
065-104-301	3	Stepladders — Use and Care
065-105-301	1	Rolling Platform Ladder — KS-21415 L1 and L2 — Operation, Adjustment, Piece- Part Data, and Replacement Procedures
065-105-501	15	Ladders and Ladder Seats — Tests and Inspections
065-105-802	2	Track-Type Rolling Ladders and Ladder Seats — Piece Part Data, Replacement Procedures, and Minor Repairs

Number	Issue	Subject
065-105-803	1	Portable-Type Step, Rolling, and Pulpit Ladders — Piece-Part Data, Replacement Procedures, and Minor Repairs
065-106-100	1	SHUJAX* Working Stilts — Telecommunications Applications
065-110-501	2	Extension Lamps and Cords — Tests and Inspections
065-114-701	3	KS-15696, KS-15698, KS-21861, and KS-21862 — Bus Ducts — Application and Maintenance Procedures
065-115-801	5	Bus Ducts — Trolley Type — Piece Part Data and Replacement Procedures
065-116-301	1	Emergency-Lighting Fixture — KS-19431 — Operating Methods
065-120-801	1	Keyshelf Bulletin Holders — Piece-Part Data and Replacement Procedures
065-125-801	1	Maintenance Brackets ED-63343-01 for Supporting Equipment Units

**065-2 Equipment**

**065-215 Bays**

▲065-215-200	3	Seismic Network Bay Frame — Application Planning Ordering Guide (5-95)
065-215-250	4	Seismic Network Bay Frame — Installation Guide Comcode 107165607 (1-95)

**065-3 Materials**

065-305-301	12	Reserve Engine Cooling Systems — Antifreeze Solutions and Treatment for Rust and Leaks
065-320-301	10	Engine Fuel Storage — Operating Methods
065-330-101	12	Materials — General
065-330-102	2	Greases
065-330-103	1	Silicone Oils, Fluids, and Compounds

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Number	Issue	Subject
065-330-105	1	Standby Engine Alternators — Sump Oil Analysis
065-330-110	3	Oils
065-330-120	5	Cleaning Fluids
065-330-320	2	Precautions Using Cleaning Fluids
065-370-101	18	Power Plant Materials — Gen- eral

**Division 067**

**Concentrators**

**067-0 Indexes**

**067-1 NO. 1A, 2A, and 2B Line Concentrators**

**067-2 Gfeller Line Concentrator**

**067-3 Line Concentrator and Central Office Equipment Associated with Emergency Reporting System (520-Type PBX)**

**067-4 Line Concentrator-Identifier**

Number	Issue	Subject
067-000-000	23	Numerical Index — Division 067 — Concentrators

**067-1 No. 1A, 2A, and 2B Line Concentrators**

067-100-301	2	Measurement of Concentrator Trunk Usage Using the Trunk Usage Recorder Circuit — SD-96549-01
067-105-201	3	No. 1A — Cutover Procedures and Addition and Deletion of Individual Lines
067-105-202	2	No. 1A — Installation and Removal of Control Unit
067-105-301	4	No. 1A — Trouble Analysis
067-105-302	1	No. 1A — Procedure for Releasing Permanent Signals From Line Concentrator Trunks
Addendum	2	
067-105-501	4	No. 1A — Preinstallation Tests and Tests and Inspections at Time of Installation
Addendum	2	
067-105-502	4	No. 1A — SD-96536-01, SD-96537-01, and SD-95957-01 — System Tests
067-106-201	1	No. 1A With MF Signaling — Cut-Over Procedures and Addition and Deletion of Individual Lines

Number	Issue	Subject
067-106-301	2	No. 1A With MF Signaling — Trouble Analysis — Operating Methods
067-106-501	1	No. 1A With MF Signaling — Preinstallation Tests — Tests and Inspections at Time of Installation and Out-of-Service Tests
067-106-502	1	No. 1A With MF Signaling — System Tests
067-109-301	2	No. 2A — Trouble Location
067-109-302	2	No. 2A — Procedure for Releasing Permanent Signals From Line Concentrator Trunks and for Taking Line Concentrator Trunks Out of Service
Addendum	1	
067-109-502	3	No. 2A — SD-94815-01 and SD-94816-01 — System Tests
❶ 067-110-301	1	No. 2B — Trouble Location
❶ 067-110-302	1	Procedure for Releasing Permanent Signals From Line Concentrator Trunks
❶ 067-110-303	1	Procedure for Establishing Connection for Transmission Tests From 21A Testboard
❶ 067-110-502	1	No. 2B — System Tests

**067-2 Gfeller Line Concentrator**

067-201-101	2	49-9-2, 49-11 + 1-2, 49-12-2 General Description
Addendum	3	
067-201-102	2	49-9-2, 49-11 + 1-2, 49-12-2 — Detailed Circuit Operation
Addendum	1	
067-201-103	2	49-9-2, 49-11 + 1-2, 49-12-2 — Auxiliary and Applique Circuits — Description
Addendum	1	
067-201-201	2	49-9-2, 49-11 + 1-2, 49-12-2 Initial Preparation, Line-Up and Cutover
067-201-401	2	49-9-2 — Schematics
067-201-402	1	49-11 + 1-2 — Schematics
067-201-403	1	49-12-2 — Schematics
067-201-501	2	Power Supply PEC-8001-A — Tests
067-201-502	3	Power Supply PEC-8002 — Tests

Number	Issue	Subject	Number	Issue	Subject
067-201-701	2	49-9-2, 49-11 + 1-2, 49-12-2 — Apparatus Requirements and Adjusting Procedures	<b>067-4 Line Concentrator-Identifier</b>		
067-201-801	4	49-9-2, 49-11 + 1-2, 49-12-2 — Piece-Part Data, Replacement Procedures — Component Parts and Maintenance Equipment	067-400-101	1	KS-21056 Test Set (SD-99608-01) — Description, Calibration, and Operation
<b>067-3 Line Concentrator and Central Office Equipment Associated with Emergency Reporting System (520-Type PBX)</b>			067-400-501	1	Tone Signaling Circuit SD-99556-01 (J59202) — Tests and Adjustments
067-301-501	3	Central Office Test Circuit SD-98067-01 — 520-Type PBX Emergency Reporting System — Operation Tests	067-401-201	1	(J93021) Applied to Telephone Secretarial Service — Tests and Inspection at Time of Installation
067-302-301	2	Line Concentrator Associated With 520- Type PBX — Recording, Analysis, and Handling Trouble Indicator Reports	067-401-202	1	(J93021) Used With Electromechanical Central Offices — Tests and Inspections at Time of Installation Using Test Set KS-21056
067-302-501	3	Line Concentrator Associated With 520- Type PBX — Tests Using Test Circuit SD-98067-01	067-401-501	1	(J93021) Applied to Telephone Secretarial Answering Service — Circuit Tests and Trouble Analysis
067-302-502	3	Line Concentrator Associated With 520- Type PBX — Controller Circuit Tests Using Test Circuit SD-98067-01	067-401-502	1	(J93021) Used With Electromechanical Central Offices — Circuit Tests and Trouble Analysis Using Test Set KS-21056
067-302-503	2	Line Concentrator Associated With 520- Type PBX — Outgoing Trunk Circuits — Operation Tests	067-405-201	1	(J93021 and J93022) For Use With No. 1 Electronic Switching System — Tests and Inspections at Time of Installation
067-303-501	1	Long Line Circuits Associated With 520- Type PBX — Tests	067-405-202	1	(J93021 and J93022) Used With No. 1 and 2 Electronic Switching Systems — Tests and Inspections at Time of Installation Using Test Set KS-21056
067-304-501	1	Selective Routing Circuits Used With Direct Lines Associated With 520-Type PBX — Tests	067-405-501	1	(J93021 and J93022) For Use With No. 1 Electronic Switching System — Circuit Tests and Trouble Analysis
			067-405-502	1	(J93021 and J93022) Used With No. 1 and No. 2 Electronic Switching Systems — Circuit Tests and Trouble Analysis Using Test Set KS-21056

**Division 069**

**Apparatus and Equipment Cabling, Wiring, Cleaning, Treating, etc. Methods**

**069-0 Index, Equipment Test List, and General Apparatus Information**

-000 Index

-001 Equipment Test List

-020 General Apparatus Information

**069-1 Cabling, Wiring, Skinning, and Connecting**

**069-3 Cleaning, Treating, and Reconditioning of Apparatus and Equipment — General**

**069-5 Cleaning, Treating, and Reconditioning of Apparatus and Equipment — Step-by-Step Offices**

**069-7 Cleaning, Treating, and Reconditioning of Apparatus and Equipment — Crossbar Offices**

Number	Issue	Subject
069-105-811	1	Coaxial Office Cable — Preparing for Splicing and Termination
069-120-811	9	Skinning and Preparing Wire for Cross-Connections on Distributing Frames and Cross-Connection Fields
069-130-811	1	Method of Connecting Wires — To Split Terminals
069-131-811	6	Apparatus — Method of Making Test Connections
069-132-811	10	Punched- or Wire-Type Terminals (Not Having Notches or Perforations) — Method of Making and Removing Wrapped Connections
069-133-801	2	Straps and Cross Connections — Solderless Wrapped Connections — Method of Placing
069-135-501	2	Solderless Connectors — Inspection
069-140-811	8	Soldered Connections Using Soldering Coppers — Method of Making and Removing
069-141-811	2	300 and Similar Type Switches and 245 and Similar Type Relays — Soldering Strap Wires

Number Issue Subject

**069-0 Index, Equipment Test List, and General Apparatus Information**

**069-000 Index**

069-000-000 87 Numerical Index — Division 069 — Apparatus and Equipment — Cabling, Wiring, Cleaning, Treating, etc. — Methods

**069-001 Equipment Test List**

069-001-011 16 Cleaning and Reconditioning Apparatus

**069-020 General Apparatus Information**

069-020-801 8 Method of Blocking Apparatus and Insulating Contacts

**069-1 Cabling, Wiring, Skinning, and Connecting**

069-100-811 2 Cables — 720 and 721 Types — Protection of Insulation

**069-3 Cleaning, Treating, and Reconditioning of Apparatus and Equipment — General**

069-301-801	2	Springs and Studs of Dzus Fasteners — Used in the N1 Carrier Telephone System — Piece-Part Data and Replacement Procedures
069-301-802	2	Springs and Studs of Dzus Fasteners — Used in K2 Carrier Telephone System — Piece-Part Data and Replacement Procedures
Addendum	1	
069-305-301	3	General Cleaning of Equipment — Dusting and Washing Operations
⊠ 069-306-801	8	Relay Contacts and Parts — Contacts on Similar Apparatus Except Keys and Jacks — Cleaning and Reconditioning
069-307-801	2	North Electric Multicontact Relays — Cleaning and Treating Contacts



Number	Issue	Subject	Number	Issue	Subject
069-310-801	9	Replacing Contacts — Using the 1004A, 1004B, and 1013A Tool Kits — General	069-380-811	3	Plugs — Cleaning and Polishing — Using Portable Plug Cleaner
Addendum	1		069-380-812	2	Plugs — Cleaning and Polishing — Using Cotton Sleeving
069-310-802	7	Relays (Nonwire Spring-Type), 197-Type Switches, Crossbar Switches, and KS-13835 (AMA) Reader — Replacing Contacts	▣ 069-380-813	2	Cleaning Switchboard Plugs — Using the No. 497A or 497B Tool
Addendum	1		▣ Addendum	1	
069-310-803	8	Relays (Wire-Spring Type) — Replacing Contacts	▣ 069-386-801	3	Keys and Jack Contacts — Method of Cleaning
069-310-804	4	Relays (Nonwire Spring-Type), 197-Type Switches, and KS-13835 (AMA) Reader — Having Unusual Contact Conditions — Replacement Contacts	069-387-801	2	Cleaning Flares of Jacks
Addendum	1		069-388-801	2	Operators Telephone Set Jacks — Cleaning Procedures
069-311-801	3	10-, 11-, 26-, 27- and 32-Type Banks Associated With Rotary Selectors — Repairing Feeder Brush Tips Using the No. 1004A or 1004B Tool Kit	▣ 069-399-201	4	Lettering and Numbering — General Requirements and Methods
069-315-801	2	Heat Coil and Protector Spring Contacts — Cleaning	<b>069-5 Cleaning, Treating, and Reconditioning of Apparatus and Equipment — Step-By-Step Offices</b>		
069-321-801	2	Stud-Type Rotary Switches, Attenuators, Potentiometers, and Rheostats — Procedures for Cleaning and Treatment	069-501-801	14	197- and 198-Type Switches and Associated Banks, Commutators, and Wipers — Cleaning Requirements and Procedures
069-330-801	2	Rotors and Associated Banks of 200-, 206-, 209- and 211-Type Selectors — Cleaning and Treatment	069-501-802	2	Banks Associated With 197- and 198-Type Switches — Removal of Lateral Silver Migration Deposits and Carbonization
069-331-801	1	204-Type Selector Bank Contacts and Associated Wipers — Telegraph and Toll Equipments — Cleaning and Treating	Addendum	1	
069-344-801	2	911A Connector and 645042 and 645058 AMP Connectors — Repairs	069-502-801	2	Switches — Plunger Type — Primary and Secondary Line Switches and Out Trunk Switches — Procedure for Cleaning and Treating Bank Contacts
069-350-801	3	946-/947- and 970-/971-Type Connectors — Cleaning Procedures	Addendum	1	
▣ 069-360-801	5	5-, 12-, and 14-Type Registers — Procedures for Cleaning	069-503-801	5	Equipment Frames — Cleaning by Means of Compressed Air
069-365-801	2	Slide Wire Apparatus — Cleaning and Lubricating Procedures	<b>069-7 Cleaning, Treating, and Reconditioning of Apparatus and Equipment — Crossbar Offices</b>		
069-370-801	2	KS-13835 Readers and KS-13882 Perforators — Procedures for Cleaning	069-703-801	5	Equipment Frames — Crossbar Offices — Cleaning by Means of Compressed Air
▣ 069-379-801	4	Switchboard Equipment — General Cleaning	069-703-802	5	Equipment Frames — No. 1 Crossbar and Crossbar Tandem Offices — Cleaning by Means of Compressed Air
			069-703-803	4	Equipment Frames — No. 5 Crossbar Offices — Cleaning by Means of Compressed Air

Number	Issue	Subject
069-703-804	4	Equipment Frames — No. 4A and 4M Toll Switching Systems — Cleaning by Means of Compressed Air
069-703-805	1	Equipment Frames — No. 3 Crossbar Systems — Cleaning by Means of Compressed Air

**Division 074**

**Catalogue Information Tools**

**074-0 Indexes**

**-099 Customer Information Release (CIR)**

**074-2 Tools — Coded and Noncoded**

Number	Issue	Subject
<b>074-0 Indexes</b>		
074-000-000	21	Numerical Index — Division 074 — Catalogue Information — Tools
074-000-001	32	Index of Tools — Switching System and Power
074-000-006	8	Tools — General Information

**074-099 Customer Information Release (CIR)**

□ 074-099-001TD	2	KS-22488 Tool Kit (Electronic Switching), Switching Systems
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**074-2 Tools — Coded and Noncoded**

**074-202/269 Description**

074-202-114	2	Adapters I
074-202-115	4	Adapters II
074-202-118	3	Adjusters I
074-202-119	4	Adjusters II
074-202-120	2	Adjusters III
074-202-121	3	Adjusters IV
074-202-122	3	Adjusters V
074-202-130	2	Applicators
074-202-135	1	Atomizer
074-205-104	2	Bags
074-205-109	1	Bellows
074-205-114	1	Bits
074-205-116	1	Blades
074-205-121	1	Blocking
074-205-123	1	Blocks
074-205-126	1	Bolt
074-205-129	1	Brace

Number	Issue	Subject
074-205-132	1	Brackets
074-205-134	1	Breakoff, Tang
074-205-136	1	Bridges
074-205-138	2	Brushes
074-205-140	2	Bumper
074-205-145	2	Bushing
074-205-147	1	Busying
074-208-105	3	Cans
074-208-107	2	Carriers
074-208-109	3	Carrying Case I
074-208-110	4	Carrying Cases II
074-208-111	2	Carrying Cases III
074-208-113	1	Chain
074-208-114	1	Chisels
074-208-117	3	Clamps
074-208-119	2	Cleaners I
074-208-120	4	Cleaners II
074-208-121	3	Cleaners III
074-208-122	1	Clip, Cushion Placing
074-208-124	1	Coder
074-208-127	1	Comb
074-208-129	1	Compressor
074-208-131	2	Connectors
074-208-133	1	Converter, Digital to Analog
074-208-135	2	Cord Repair
074-208-136	1	Cord Shelf
074-208-138	1	Counterbores
074-208-139	1	Coupling
074-208-141	1	Covers
074-208-142	3	Crimpers
074-208-145	1	Cut Nippers
074-208-148	4	Cutters
074-211-105	1	Deburring
074-211-108	1	Depressor, Tab
074-211-111	1	Dial, Screwdriver
074-211-114	1	Dialer
074-211-118	1	Disassembly
074-211-119	1	Dispenser, Wire
074-211-121	1	Dolly
074-211-124	1	Drills
074-211-128	1	Driver, Stud
074-214-125	1	Exhauster
074-214-130	6	Extenders
074-214-139	4	Extractors I
074-214-140	4	Extractors II

Number	Issue	Subject	Number	Issue	Subject
074-217-110	1	Files	074-235-140	3	Lubricators
074-217-113	2	Fillers	074-238-103	1	Machine Station Numbering
074-217-115	2	Finger	074-238-105	1	Magnifier
074-217-118	1	Fixture, Assembly	074-238-115	1	Marker
074-217-121	1	Flashlights	074-238-125	1	Mirrors, Dental
074-217-124	2	Flushing	074-238-135	2	Mounting
074-217-130	1	Frames	074-241-115	1	Needles
074-217-140	1	Funnel	074-241-130	1	Nozzles
074-220-125	3	Gauge and Reading Glass	074-247-105	3	Panel Office
074-220-129	1	Graver	074-247-108	1	Pencil, Dialing
074-220-132	1	Grip, Hand	074-247-110	1	Pens
074-220-135	1	Guards	074-247-114	2	Pickup and Filter Chargers
074-220-138	2	Guide	074-247-117	1	Pinchcocks
074-220-142	2	Guns	074-247-120	1	Pins
074-223-105	1	Hammers	074-247-125	1	Plate
074-223-108	2	Handles, Tool	074-247-127	4	Pliers 1
074-223-110	1	Handling, Card	074-247-128	5	Pliers II
074-223-114	1	Heads, Ratchet	074-247-129	1	Pliers III
074-223-115	1	Headsets	074-247-131	2	Positioner
074-223-118	1	Heaters	074-247-134	2	Presses
074-223-122	2	Hoists and Slings	074-247-137	2	Pullers
074-223-125	4	Holders I	074-247-140	1	Pumps
074-223-126	5	Holders II	074-247-144	2	Punches
074-223-128	1	Holster	074-247-145	1	Punches and Dies
074-223-130	1	Hone	074-253-105	1	Rack
074-223-132	2	Hooks	074-253-108	1	Reader, Tape
074-223-135	2	Pressure Hoses	074-253-111	1	Reamers
074-226-116	1	Indicators	074-253-114	4	Reel, Wire
074-226-119	6	Inserters	074-253-118	1	Releasers
074-226-122	3	Insulators	074-253-120	1	Remagnetizer
074-226-125	1	Interrupter	074-253-123	3	Removers I
074-229-105	1	Jackscrew	074-253-124	7	Removers II
074-229-135	1	Jug, Rubber	074-253-127	1	Replacers
074-232-105	2	Keys	074-253-130	1	Rest, Copper, Soldering
074-232-110	1	Kits I	074-253-133	2	Restorer
074-232-111	4	Kits II	074-253-136	1	Retaining, Disc
074-232-112	4	Kit III	074-253-140	1	Rods
074-232-120	1	Knives	074-256-105	4	Safety Equipment I
074-232-125	1	Knob	074-256-106	1	Safety II
074-235-105	2	Belt and Belt Lacer	074-256-110	1	Scissors
074-235-109	3	Lamps	074-256-115	2	Screwdrivers, Offset
074-235-115	1	Lifters, Spring	074-256-116	1	Screwdrivers, Special
074-235-120	1	Line	074-256-117	1	Screwdrivers, Standard
074-235-125	2	Locators	074-256-118	1	Screwdrivers, Torque
074-235-130	1	Locking	074-256-120	1	Screw Starters

Number	Issue	Subject	Number	Issue	Subject
074-256-123	1	Scriber	074-269-117	1	Wrenches, Box, Flat
074-256-128	1	Separators	074-269-118	1	Wrenches, Box, Offset
074-256-129	2	Test Sets	074-269-119	1	Wrench, Box, Offset, Open
074-256-130	1	Sets, Tool	074-269-121	1	Wrench, Core
074-256-131	1	Setter	074-269-123	1	Wrenches, Open-End, Flat
074-256-133	1	Shears	074-269-124	2	Wrenches, Open-End, Offset
074-256-135	2	Shields	074-269-125	1	Wrenches, Pin
074-256-137	2	Short Circuiting	074-269-126	1	Wrench, Protector-Unit
074-256-138	1	Shunt, Magnetic	074-269-128	1	Wrench-Screwdriver Combination
074-256-141	2	Sleeves, Wire Wrapping			
074-256-143	1	Slotter — Scraper	074-269-129	3	Socket Wrenches
074-256-145	1	Socket, Lamp	074-269-130	1	Wrenches, Socket, Offset
074-257-105	3	Soldering Coppers and Irons	074-269-131	3	Wrenches, Socket Screw
074-257-107	2	Spacers	074-269-132	2	Spanner Wrenches
074-257-109	1	Spindle, Cam	074-269-133	1	Wrench, Tap
074-257-111	2	Splicers, Tape	074-269-134	3	Torque Wrenches
074-257-114	2	Spreader			
074-257-117	2	Spudgers			
074-257-123	1	Stand, Test			
074-257-126	1	Sticks			
074-257-129	1	Stone, Abrasive			
074-257-131	1	Straightener			
074-257-133	2	Stretchers			
074-257-135	1	Stripper, Cable			
074-257-136	2	Wire Strippers			
074-257-138	1	Stud, Assembly			
074-257-140	1	Supports			
074-257-142	1	Switches, Cutover			
074-257-145	1	Syringe, Rubber			
074-260-104	2	Tables			
074-260-109	1	Tap			
074-260-112	4	Test I			
074-260-113	5	Test II			
074-260-116	1	Threader, Tape			
074-260-125	2	Torches			
074-260-128	1	Trays			
074-260-132	2	Trimmer			
074-260-142	1	Tuning			
074-260-145	1	Tweezers			
074-263-130	1	Unwrapped, Wire			
074-266-110	1	Valve, Repair			
074-269-105	1	Wedges			
074-269-108	1	Winding			
074-269-113	4	Wire Wrapper			
074-269-116	1	Wrenches, Adjustable			

**Division 075**

**Tools and Materials(Common Usage)  
Maintenance, Selection and Use**

**075-0 Indexes and Equipment Test Lists**

**075-1 Maintenance, Selection and Use**

Number	Issue	Subject
075-000-000	52	Numerical Index — Division 075 — Tools and Materials — (Common Usage) — Maintenance, Selection and Use
075-001-011	11	ETL — Tools and Material

**075-1 Maintenance, Selection and Use**

075-110-301	1	"V" Notch Diagonal Pliers Per Specification 6433 — Sharpening External Notches
075-115-301	1	Aluminum Oxide Coated — Maintenance and Inspection
075-120-701	6	KS-16363 L1 Wire-Wrapping Tool and Associated Bits and Stationary Sleeves — Requirements and Adjusting Procedures
075-120-801	5	KS-16363 and KS-21232 Wire-Wrapping Tool and Associated Bits and Stationary Sleeves — Piece-Part Data and Replacement Procedures
075-121-801	2	KS-16492 Wire Unwrapping Tool — Piece- Part Data and Replacement Procedures
075-121-802	4	Wire-Unwrapping Tool — Heated — KS-16450 L1 — Piece-Part Data and Replacement Procedures
075-125-701	2	No. 497A and 497B Tools (Portable Plug Cleaning Machines) — Requirements and Adjusting Procedures
075-125-801	2	No. 497A, 497B and D-159798 Tools (Portable Plug Cleaning Machines) — Piece- Part Data and Replacement Procedures

Number	Issue	Subject
075-126-301	1	Lamp Extractor KS-21144 L1 — Description and Use
075-127-100	1	R-5701 Plasma Cutter (Video Tape)
075-128-301	1	R-4710 "C" and R-4710A "C" — Impact Tools — Description and Use
075-129-301	3	FASTECH® Backplane Technology — Methods and Procedures
075-130-301	1	B Stud Driver — Description, Operation, and Maintenance
075-140-301	2	Grease and Oil Guns — Filling
075-141-501	7	Insulating Gloves — Tests and Inspections
075-143-302	1	Distributing Frame Bag — Care and Use
075-145-301	1	R-3953 Cable Reel Carrier — Description and Use
075-147-801	2	Wire Reels, KS-8047 — Piece-Part Data
075-150-801	1	Wire Reel KS-21955 — Piece-Part Data
075-160-301	2	Screwdrivers — Selection, Use and Maintenance
075-180-701	2	Vacuum Cleaner Per KS-7507 — Requirements and Adjusting Procedures
075-180-702	1	Vacuum Cleaner — KS-8389 — Requirements and Adjusting Procedures
075-180-703	3	Vacuum Cleaners — KS-14377 — Requirements and Adjusting Procedures
075-180-802	1	Vacuum Cleaner — KS-8389 — Piece-Part Data and Replacement Procedures
075-180-803	3	Vacuum Cleaners KS-14377 Type — Replacement Parts and Procedures
075-190-501	7	Electric Soldering Coppers and Irons — Tests and Inspections
075-190-811	6	KS-14582 L1 and L2 Soldering Coppers and KS-14768 Heat Units — Handling and Maintenance
075-191-812	6	KS-8740, KS-14440, and KS-14582 Soldering Coppers and KS-16346 Soldering Iron (Including KS-16368 Transformer) — Piece-Part Data and Replacement Procedures

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Number	Issue	Subject
075-192-301	1	KS-21107 L1 Releaser — Piece-Part Data, Operation, and Maintenance

**Division 076**

**Tools and Materials Switching Systems and Power Maintenance, Selection, and Use**

**076-0 Indexes and Equipment Test List**

**076-1 Selection, Maintenance, Use, and Tests**

Number	Issue	Subject
<b>076-0 Indexes and Equipment Test List</b>		
076-000-000	11	Numerical Index — Division 076 — Tools and Materials — Switching Systems and Power — Maintenance, Selection, and Use
076-001-011	4	ETL — Tape Splicer and Card Coder

**076-1 Selection, Maintenance, Use, and Tests**

076-133-701	2	-D 604-Type Tools (Tape Splicers) — Requirements and Adjusting Procedures
076-133-801	4	604-Type Tools (Tape Splicers) — Piece- Part Data and Replacement Procedures
076-143-101	1	No. 659A Tool (Card Coding Tool) — No. 4A and 4M Toll Switching Systems — Description

Number	Issue	Subject
Addendum	1	
076-143-701	4	-D 659-Type Tools (For Coding Cards Used With 1-Type Translator) — Requirements and Adjusting Procedures
076-143-801	4	659-Type Tools — Piece-Part Data and Replacement Procedures
076-143-802	2	No. 659A and 659D Tool — Method of Converting to No. 659C and 659E Tool
076-160-101	1	Indicator — KS-16751-L1 — Description
076-190-701	2	Portable Motor Equipment for Base Metal Contact Maintenance — Requirements and Adjusting Procedures
076-190-801	1	Portable Motor Equipment for Base Metal Contact Maintenance — Piece-Part Data and Replacement Procedures



**Division 080****Tools and Materials Customer Equipment****080-0 Indexes****080-1 Customer Equipment Tools****080-7 Customer Equipment Materials**

	Number	Issue	Subject
	080-720-109	3	Staples
	080-720-110	2	B, C, and D Masonry Fasteners
	080-720-111	1	B and C Plastic Anchors
	080-720-112	1	B, C, and D Drive Anchors
	080-720-113	1	D Plastic Anchor
	080-720-114	1	Machine Bolt Anchors
	080-720-115	2	B Wall Screw Anchors
	080-720-116	1	Toggle Bolts
	080-720-117	1	Toggle Bridle Rings
	080-720-118	1	B Steel Anchor AT-8899
	080-720-119	1	B Masonry Clip — AT-8938
	080-720-120	1	B Siding Clip — AT-8939
	080-720-130	1	B and C Drop Wire Clamps
	080-720-131	1	Drop Wire Hook
	080-720-132	2	S and T Knobs
	080-720-133	1	Angle Screws
	080-720-134	1	House Bracket
	080-720-135	2	Corner Bracket — Description
	080-720-136	1	B, C, and D Insulator Supports
	080-720-137	1	Sign Bracket, 170 Type
	080-720-138	1	Insulated Screw Eye
	080-720-139	3	B, K, and M Bridle Rings — Description
	080-720-140	1	C Bridle Ring
	080-720-141	2	B Wire Loop
	080-720-142	1	Drive Ring
	080-720-143	1	C Knob
	080-720-144	1	E Drop Wire Clamp
	080-720-145	1	SC Wire Clip
	080-720-146	1	Inside Wiring Cable Clamps
	080-720-147	1	Cable Clasps
	080-720-148	2	B Station Wire Clamp and B Wallboard Clamp — Description and Installation
	080-720-149	2	B Adhesive Clip
	080-720-150	1	B Beam Clip
	080-720-151	1	B Hanger Clip
	080-720-152	2	B Support Clip
	080-000-000	37	Numerical Index — Division 080 — Tools and Materials — Customer Equipment
<b>080-0 Indexes</b>			
	080-110-101	3	Stapler — D
	080-110-102	3	Stapler — Heller
	080-110-103	1	Stapler — Markwell
	080-110-104	1	Stapler — E
	080-110-105	1	Stapler — P — AT-8971
	080-115-101	1	B Automatic Drill
	080-118-101	1	Station Number Card-Numbering Machines — Homs Model 187S
	080-123-101	1	B-Hammer
	080-127-100	2	B and D Impact Tools AT-8762
	080-130-100	1	KS-21749 — Connecting Tool
	080-131-100	1	B Station Wire Reel
	080-135-100	1	AT-8900 C Drill-Driver Kit
	080-136-100	1	B Trenching Tool AT-8911
	080-140-100	1	B Cordless Drill Kit — Identification and Application
<b>080-1 Customer Equipment Tools</b>			
	080-110-101	3	Stapler — D
	080-110-102	3	Stapler — Heller
	080-110-103	1	Stapler — Markwell
	080-110-104	1	Stapler — E
	080-110-105	1	Stapler — P — AT-8971
	080-115-101	1	B Automatic Drill
	080-118-101	1	Station Number Card-Numbering Machines — Homs Model 187S
	080-123-101	1	B-Hammer
	080-127-100	2	B and D Impact Tools AT-8762
	080-130-100	1	KS-21749 — Connecting Tool
	080-131-100	1	B Station Wire Reel
	080-135-100	1	AT-8900 C Drill-Driver Kit
	080-136-100	1	B Trenching Tool AT-8911
	080-140-100	1	B Cordless Drill Kit — Identification and Application
<b>080-7 Customer Equipment Materials</b>			
	080-710-101	1	Corrosion and Moisture Inhibitors for Station Apparatus — Description and Use
	080-720-106	1	Inside Wiring Nail
	080-720-107	1	B Station Wire Nail
	080-720-108	1	Ground Wire Nail and Ground Wire Staple

**Division 081**

**Tools and Materials Outside Plant**

**081-000 Indexes**

- 020 Outside Plant Tools, General
- 050 Impact Wrenches
- 200 Warning Device
- 215 Manhole Guards and Shields
- 220 Measuring Devices
- 230 Open Wire — Construction Tools
- 241 Fiber Optic Tools
- 300 Platforms
- 310 Tents and Umbrellas
- 315 Heaters
- 320 Pressers
- 330 Heating and Soldering Tools
- 340 Lamps and Reflectors
- 400 Cable Lashing and Wrapping Tools
- 410 Miscellaneous Cable Placing Tools
- 420 Miscellaneous Cable Splicing Tools
- 500 Hoists and Associated Tools
- 510 Manila Rope and Blocks
- 511 Plastic Rope
- 512 Handlines
- 520 Sheaves and Snatch Blocks
- 600/625 Cable Pressure System — Tools
- 700 Gas Detecting Devices
- 705 Foreign Voltage Detecting Devices
- 710 Rubber Items
- 720 Leather Belts and Straps
- 725 Special Use Belts and Straps
- 730 Climbers
- 735 Pole Steps
- 740 Ladders
- 745 Axe, Hammers, Drills, and Bits
- 750 Sleeve Rollers and Pressers
- 760/770 Drop and Black Wire Tools
- 850/875 Materials

Number	Issue	Subject
<b>081-000 Indexes</b>		
081-000-000	55	Numerical Index — Division 081 — Tools and Materials — Outside Plant (5-95)

**081-020 Outside Plant Tools, General**

081-020-010	4	Safety Headgear — Description, Use, and Care
■ 081-020-010AC	1	Safety Headgear — Description, Use (12-92)
081-020-011	3	Eye Protection
081-020-100	2	Construction Chains — Description and Use
081-020-101	2	Tool Snap — Description and Use
081-020-102	2	Wire and Cable Cutter — Description and Use
081-020-103	1	D Wrench Kit — Description and Use
081-020-105	1	B Projector Tool — Description
081-020-111	2	Hand Sprayer — Description and Use
081-020-112	1	B Tarpaulins — Description and Use
081-020-113	2	D Tarpaulins — Description and Use
081-020-114	1	D Lashing Wire Grip — Description and Use
081-020-115	2	Slack Pullers — Description and Maintenance
081-020-116	1	Pneumatic Lead Cutting and Masonry Drilling Kit — Description and Use
081-020-120	1	Osborne Hand-Carried Radio Unit
081-020-121	1	Johnson Hand-Carried Radio Unit
081-020-130	1	B Canvas Tray — Description and Use
081-020-132	2	B Wire Stripper — Description and Use
081-020-133	1	G Long-Nose Pliers — Description and Use
081-020-134	1	B Ratchet Brace — Description
081-020-135	1	Wire Slitter
081-020-136	1	849A Sealing Washer Cutter — Description, Use, and Maintenance

Number	Issue	Subject	Number	Issue	Subject
081-020-137	1	D6 and E6 Diagonal Pliers (AT-7858) — Description and Use	081-241-207	1	924 SMOLTS (Single-Mode Optical Loss Test Set) Description and Operation
081-020-138	1	B Trenching Tool (AT-8911) — Description and Use	081-241-208	2	944B Local Injector/Detector Manual
081-020-139	1	C Carding Brush (AT-8952) — Description and Use	081-241-209	1	951A Instruction Manual
<b>081-050 Impact Wrenches</b>			081-241-210	1	96A Detector — Description and Operation
081-050-101	3	B and C Impact Wrenches — Description, Care, Maintenance, and General Use	<b>081-300 Platforms</b>		
<b>081-200 Warning Devices</b>			081-300-015	1	Aerial Platforms — Description and Use
081-200-102	2	Warning Flashers	081-300-100	4	Manhole Platform Support — Description and Use
081-200-105	3	B, C, and D Traffic Cones — Description	081-300-111	3	B Pole Platform — Description and Use
<b>081-215 Manhole Guards and Shields</b>			<b>081-310 Tents and Umbrellas</b>		
081-215-100	4	Manhole Shields — Description and Use	081-310-100	3	D Umbrella — Description and Use
<b>081-220 Measuring Devices</b>			081-310-103	2	Manhole Tent
081-220-100	3	Measuring Tapes — Description and Use	081-310-104	1	Ground Tent — Description and Use
081-220-104	1	Height and Distance — Estimating Devices	081-310-107	4	Workman's Tent — Description and Use
<b>081-230 Open Wire — Construction Tools</b>			081-310-116	3	Cabinet Tent — Description and Use
081-230-100	2	B Line Wire Reel — Description and Maintenance	081-310-121	2	Aerial Tents — Description and Use
<b>081-241 Fiber Optic Tools</b>			<b>081-315 Heaters</b>		
081-241-101	1	B Innerduct/Cable Slitter — Description and Use	081-315-101	4	C Manhole Heater — Description and Operation
081-241-105	1	D Lightguide Cable Feeder — Description	081-315-102	5	B LP-Gas (Propane) Tent Heaters — Description and Use
081-241-200	1	976A Taper Length Tool	081-315-103	1	B Catalytic Heater — Description and Use
081-241-201	1	936A Fiber Identifier Instruction Manual	<b>081-320 Pressers</b>		
081-241-202	2	938A Optical Loss Test Set	081-320-105	5	D Connector Presser — B Presser Case — Description and Maintenance
081-241-203	1	941A OTS Instruction Manual	081-320-107	3	PAIR-A-MATIC* — CS-10 Connector Presser — BT-10 Balance Tester — Description and Maintenance
081-241-204	1	945A Test Set (LSIM) Instruction Manual			
081-241-205	2	937A OTS Instruction Manual			

\* PAIR-A-MATIC is a registered trademark of APC Industries, Incorporated

Number	Issue	Subject	Number	Issue	Subject
081-320-110	1	Modular Splicing System — Description	081-410-101	4	B Strand Dynamometer — Description and Maintenance
081-320-111	3	B Tool Holder — Description and Use	081-410-102	2	Cable Grips — Description
<b>081-330 Heating and Soldering Tools</b>			081-410-103	2	Aerial Cable Guides — Description and Care
081-330-100	4	KS-14582 L1 and L2 Soldering Coppers and KS-14768 Heat Units — Description and Use	081-410-105	2	B Connecting Link
081-330-103	1	B Soldering Copper	081-410-106	3	B Grounding Roller
081-330-104	3	Pressure Hoses	081-410-107	1	Cable Leaders — Description and Maintenance
081-330-105	5	Acetylene Torches	081-410-108	3	Cable Blocks and Associated Equipment — Description and Use
081-330-115	4	D Propane Furnace — Description and Use	081-410-114	1	B and C Cable Bending Shoe — Description and Use
081-330-116	4	B, C, D, and E LP-Gas Cylinders	081-410-115	2	Cable Benders and Slack Puller — Description and Use
081-330-120	6	Electric Solder Pot	081-410-116	5	Cable Feeder, C CONECS Cable Feeder, and D Cable Lubricator, and Lubrication Pump — Description and Use
081-330-130	2	B and C Split Sleeve Clamps — Description and Use	Addendum	1	
<b>081-340 Lamps and Reflectors</b>			081-410-120	1	B Cable Spiraler
081-340-102	1	Work Area Illuminating Devices — Description and Use	081-410-121	1	Cable Reel Jacks — Description and Use
<b>081-400 Cable Lashing and Wrapping Tools</b>			<b>081-420 Miscellaneous Cable Splicing Tools</b>		
Addendum	1		081-420-100	4	B Desiccant Injector — Description and Use
081-400-100	3	C Cable Wrapper	081-420-101	2	Drift Plugs — Description and Use
081-400-101	1	B Support Ring — Description and Use	081-420-103	2	B Torque Wrench — Description and Use
081-400-106	4	J Cable Lasher — Model 2 — Care and Maintenance	081-420-105	3	Coaxial Materials and Tools — Description
081-400-112	2	C Lasher Guard — Description and Installation	081-420-106	1	FAST-PAK* Splice Case Tool Kit — Description and Use
081-400-150	1	B Cable Lasher — Care and Maintenance	<b>081-500 Hoists and Associated Tools</b>		
081-400-151	1	D Neale Spinner — Care and Maintenance	081-500-101	6	B Chain Hoist — Description and Use
081-400-152	2	C and H Cable Lashers — Care and Maintenance	081-500-105	2	E Chain Hoist — Description and Use
081-400-153	1	D Cable Lasher — Care and Maintenance	081-500-111	5	Strand Pullers — Description and Maintenance
081-400-154	1	E Cable Lasher — Care and Maintenance			
<b>081-410 Miscellaneous Cable Placing Tools</b>					
081-410-100	2	Cable Car — Description, Use, and Maintenance			

\* FAST-PAK is a trademark of Western Progress, Incorporated

Number	Issue	Subject	Number	Issue	Subject
081-500-123	1	B Pole Top Gin — Description and Use	Addendum	1	
081-500-125	1	C Fabric Sling — Description	081-602-100	1	Manometers — Description and Use
<b>081-510 Manila Rope and Blocks</b>			081-602-101	1	Type FA-176021, W. and T. Manometer — Description and Use
081-510-101	1	Manila Rope — Description and Use	081-602-103	2	C Pressure Gauge
Addendum	1		081-603-100	2	B Flow Indicator — Description and Use
081-510-203	3	Tackle Blocks and Snatch Blocks	081-603-101	1	AT-6723 Airflow Indicator — Description and Use
<b>081-511 Plastic Rope</b>			081-607-100	4	Pressure Testing — Ultrasonic Leak Locating Equipment
081-511-101	2	B Plastic Rope — Description and Use	<b>081-700 Gas Detecting Devices</b>		
<b>081-512 Handlines</b>			081-700-100	6	B Gas Indicator — Description and Use
081-512-100	3	Handlines — Description and Use	Addendum	1	
<b>081-520 Sheaves and Snatch Blocks</b>			081-700-101	4	C Gas Indicator — Description and Use
081-520-100	2	C Manhole Sheave — Description and Use	081-700-105	4	E Gas Indicator — Description and Use
081-520-101	2	Cable Sheaves	081-700-106	3	F Gas Indicator
081-520-102	3	D Pulling Frames — Description and Use	081-700-107	2	G Gas Indicator
081-520-105	3	C Quadrant Block — Description and Use	081-700-110	1	Bacharach (J. W.) Continuous Gas Monitor — Description and Use
081-520-111	1	B Wire Block	081-700-120	4	B Gas Test Kit — Description and Use
081-520-115	1	Wire Rope Snatch Blocks — Description and Use	081-700-121	2	B Gas Indicator Case
<b>081-600/625 Cable Pressure System — Tools</b>			081-700-122	3	C Gas Test Kit — Description and Use
081-600-011	3	Miscellaneous Pressure Testing Tools	081-700-130AC	3	Lumidor GasPro Plus Model MPU-16 4 Gas Monitor (9-92)
081-600-100	3	Pressure Testing Tools — Cable Drills — Description and Use	<b>081-705 Foreign Voltage Detecting Devices</b>		
081-600-103	2	Wrenches — Description and Use	081-705-101	2	B-Voltage Tester — Use on Joint-Use Poles and Other Equipment
081-600-104	2	B Gas Cylinder Sling — Description and Use	081-705-102	4	188A Test Set (Stop Lite) — Description and Use
081-601-100	4	B, C, and D Pressure Testing Regulators	081-705-103	2	1188A Test Set — Description and Use
Addendum	1		081-705-104	2	193A Test Set—Description and Use
081-601-101	1	B Gas Regulator — Description and Use			
081-601-102	1	C Gas Regulator — Description			

Number	Issue	Subject	Number	Issue	Subject
<b>081-710 Rubber Items</b>			081-745-111	2	L Masonry Drills and Drill Holders — Description and Use
081-710-100	5	Insulating Rubber Blanket — Description, Maintenance, and Inspection	081-745-113	3	Hand-Operated Masonry Drive Tools — Description and Use
081-710-105	2	Line Hose — Description and Use	081-745-114	1	B Steel Anchor (AT-8899) — C Drill Driver Kit (AT-8900) — Description and Use
Addendum	1				
081-710-200	7	Leather Protectors, Fabric Liners, and Glove Bag — Description and Use — Insulating Gloves	<b>081-750 Sleeve Rollers and Pressers</b>		
<b>081-720 Leather Belts and Straps</b>			081-750-105	4	Tools for Splicing Line Wire — Description and Maintenance
081-720-101	4	Body Belts and Safety Straps — Description and Use	081-750-106	3	Sleeve Pressing Tools — Drop and Block Wire
081-720-111	3	D and F Holsters — B Handline Carrier — Description	<b>081-760/770 Drop and Block Wire Tools</b>		
<b>081-725 Special Use Belts and Straps</b>			081-760-100	4	C Braid Stripper — Description and Maintenance
081-725-105	1	Tower Ladder Safety Device — Installation and Use	081-760-111	2	B Clip Crimper — Description and Use
081-725-200	2	Use of Body Belts and Safety Straps on Towers	081-760-115	2	B Binding Post Cutter — Description and Use
<b>081-730 Climbers</b>			081-770-101	2	Tree Pruners (and Handles)
081-730-101	5	Description and Use	<b>081-780 Sheath and Sleeve Opening Tools</b>		
<b>081-735 Pole Steps</b>			Addendum	1	
081-735-600	3	B Pole Steps — Inspection for Cracks	081-780-102	2	Cable Stripper — Description and Use
<b>081-740 Ladders</b>			081-780-105	2	B Lead Sleeve Slitter — Description and Use
Addendum	3		<b>081-850/875 Materials</b>		
081-740-105	3	Extension Ladders and Attachments — Description and Use	081-850-001	1	ELASTREL <sup>®</sup> Controlled Release Insecticide — Description and Use
081-741-100	2	Ladders — B and C Combination	081-851-101	1	B Caulking Compound (AT-8832) — Description
081-741-105	1	D and E Stepladders (AT-7544) — Description	081-851-102	1	B Cable Splice Wrap — Description and Use
<b>081-745 Axe, Hammers, Drills, and Bits</b>			081-852-118	4	Bond Clamps — Description and Use
081-745-102	2	Hammers, Hatchets, and Axes — Description and Use	081-852-119	1	B Service Wire Clamp — Description and Use
081-745-105	2	Wood Boring Bits — Description and Use	081-852-120	1	B Bond Clip, B Appliance Wire, and B Pressing Pliers — Description and Use
			081-852-121	1	FC-14L Plastic Cap

Number	Issue	Subject
081-852-122	1	Cable Pressure Systems — E Pressure Testing Concentrate — E Pressure Testing Solution
081-852-123	5	Encapsulation and Plugging Compounds — Description
081-852-125	2	UG SCOTCHLOK* Connector and C Pressing Pliers
081-852-126	1	G Connector—Description and use
081-852-127	1	Lead Particle Entrapment Compound (LEPEC) — Description
081-852-128	1	B and C Cable Caps — Description
081-852-129	1	B Siding Clip (AT-8939)—Description and Use
Addendum	1	
081-852-130	4	700, 701, and 702 Type Connectors and E, F, and H Connector Pressers
081-852-131	1	J Connector — Description
081-852-133	1	B Aluminum Connector (AT-8984) Description and Use
081-852-134	1	Cable Clamps (AT-6933) — Description and Use
081-852-135	1	H Connector (AT-8980) — Description and Use Company
081-856-101	1	B Disposable Gloves — AT-8982 — Description and Use
081-860-105	2	Transfer Stenciling Kit — Description and Use
081-861-101	1	B Electric Lantern (AT-9003) — Description
081-868-101	1	B Aerosol Wash and C Insulation Spray — Description and Use
081-869-101	2	Adhesive and Nonadhesive Tapes — Description and Use
081-872-101	1	B Manhole Wrench — Description

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\* UG SCOTCHLOK is a registered trademark of Minnesota Mining and Manufacturing

**Division 084**

**Catalogue Information Gauges, Electrical Indicating Instruments, and Meters**

**084-0 Indexes**

**084-1 Coded Gauges — Catalogue Information**

**084-5 Noncoded Gauges — Electrical Indicating Instruments and Meters — Catalogue Information A to H**

**084-6 Noncoded Gauges — Electrical Indicating Instruments and Meters — Catalogue Information I to R**

**084-7 Noncoded Gauges — Electrical Indicating Instruments and Meters — Catalogue Information S to U**

**084-8 Noncoded Gauges — Electrical Indicating Instruments and Meters — Catalogue Information V to Z**

Number	Issue	Subject
084-000-000	50	Numerical Index — Division 084 — Catalogue Information — Gauges, Electrical Indicating Instruments, and Meters
084-000-001	21	Alphabetical Index — Gauges
084-000-006	6	Gauges — General Information

**084-1 Coded Gauges — Catalogue Information**

084-101-101	8	27 through 45 — Description
084-103-101	9	62B through 70H — Description
084-105-101	9	73A through 81 — Description
084-107-101	7	82 through 91 — Description
084-109-101	10	92A through 104A — Description
084-111-101	8	106A through 114B — Description
084-113-101	9	115A to 125B — Description
084-115-101	8	126A through 134A — Description
084-117-101	8	No. 135A to 147A — Description
084-120-101	8	148A through 161A — Description
084-122-101	4	162A through 165A — Description

Number	Issue	Subject
084-125-101	5	168A through 175A — Description
084-127-101	9	176A through 192A — Description
084-128-101	5	193A Through 198A — Description

**084-5 Noncoded Gauges — Electrical indicating instruments and meters — Catalogue Information A to H**

084-501-101	9	Ammeters (AC and AC-DC Types) — Description
084-505-101	8	Ammeters (DC-Types) — Description
084-510-101	9	Anemometers, Balances, Blocks, Calipers Counters and Galvanometers — Description
084-540-101	15	Miscellaneous Types — Description
084-540-102	1	Gauges (Miscellaneous Types Continued) — Description
084-545-101	10	Thickness — Description
084-550-101	12	Gauges (Feeler), Holders and Hydrometers, and Battery Accessories — Description

**084-6 Noncoded Gauges — Electrical Indicating Instruments and Meters — Catalogue Information I to R**

084-600-101	8	Indicators, Levels, Magnetometers, Meggers and Memory Cards
084-640-101	7	Meters, Microammeters and Micrometers — Description
084-645-101	13	Milliammeters, Millivoltmeters, Multipliers, Ohmmeters, Pyrometers, Resistors, Rules, and Scales — Description
084-680-101	1	Shunts — Description

**084-7 Noncoded Gauges — Electrical Indicating Instruments and Meters — Catalogue Information S to U**

084-700-101	16	Squares, Straightedges, Tachometers, Tapes, Targets, and Testers — Description
084-750-101	10	Thermometers and Timers — Description



Number	Issue	Subject
084-755-101	3	Transformers and Tuning Forks — Description

**084-8 Noncoded Gauges — Electrical Indicating Instruments and Meters — Catalogue Information V to Z**

084-800-101	10	Volt-Ammeters and Volt-Milliammeters, (DC-Type) — Description
084-801-101	2	Miscellaneous Voltmeters — Description
084-805-101	17	Voltmeters (AC-DC and DC-Types) — Description
084-810-101	18	Volt-Ohmmeters, Volt-Ohm-Milliammeters (VOM'S), Digital Multimeters (DMM'S) and Voltohmyst* — Description
084-870-101	3	Watches, Wattmeters and Weights — Description

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\* Voltohmyst is a registered trademark of VIZ Manufacturing Company

**Division 085**

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**Gauges (Common Usage) Maintenance, Selection,  
and Use**

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**085-000 Index**

**085-100/199 Gauges — Coded**

**085-700/799 Gauges — Noncoded**

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
<b>085-000 Index</b>		
085-000-000	4	Numerical Index — Division 085 — Gauges (Common Usage) Maintenance — Selection and Use
<b>085-100/199 Gauges — Coded</b>		
085-102-701	5	-D Gram Tension Gauges — 62, 68, 70, 79, and 158 Types — Re- quirements and Adjusting Pro- cedures
<b>085-700/799 Gauges — Noncoded</b>		
085-740-501	1	Dry Battery Gauges No. 35 and No. 36 — Tests and Inspections
085-755-701	2	-D 11-A Tuning Forks — Re- quirements and Adjusting Pro- cedures

**Division 100****Test Equipment Electrical Indicating Instruments and Meters (Common Usage) Maintenance, Selection, and Use****100-0 Indexes and Equipment Test Lists****100-1 Miscellaneous Test Sets****100-2 Pulsing and Signaling Test Sets****100-3 Test Panels****100-5 Electrical Indicating Instruments and Meters****100-6 Electron Tube Test Sets, Tube Test Data, Oscilloscopes and Oscillographs****100-8 Wheatstone Bridges**

	Number	Issue	Subject
	100-120-101	12	Handsets (Dial Hand Test Sets) — Description
	100-130-101	2	Test Set for Timing Tests — J24753A — Description and Application
	100-130-501	2	Test Set for Timing Tests — SD-25707-01 (J24753A) — Description
	100-131-100	2	BRUSH* Recorder Mark II
	100-131-120	1	Brush Recorder Mark 220
	100-131-130	1	Gating Circuit to Control Brush Oscillographs (Pen Recorder)
	100-132-100	2	KS-19690 Pen Recorder — Operating and Maintenance Procedures
	100-133-100	1	Esterline Angus 20-Pen Event Recorders
	100-134-100	1	VARIAN† Model G-11A Strip-Chart Recorder — Description, Operation, and Application
	100-135-101	1	Connector Test Set — SD-31637-01 (J34719A) — Description and Application
	100-136-301	3	Magnetic Latching Relay — Timing Test Set J94735A Operation
	100-136-701	3	Magnetic Latching Relay — Timing Test Set (J94735A) — Calibration
	100-137-101	1	Relay Timing Test Set — SD-90418-01 (J94713A) — Description and Application
	100-137-501	3	Relay Timing Test Set — SD-90418 (J94713A) — Tests and Inspections
	100-138-101	3	Contact Closure Test Set — J94724A — Description and Application
	100-139-101	5	Test Set — SD-95439-01 (J94725A) — For 275-, 276-, 291-, 292-, 301-, 303-, 316-, 320-, and 321-Type Relays — Description and Application
	Addendum	1	
	100-140-701	2	50 Type Dial Testers — Requirements and Adjusting Procedures
	100-141-701	3	51 Type Dial Testers — Requirements and Adjusting Procedures
<b>100-0 Indexes and Equipment Test Lists</b>			
100-000-000	88		Numerical Index — Division 100 — Test Equipment, Electrical Indicating Instruments and Meters — (Common Usage) — Maintenance, Selection, and Use
100-001-011	15		ETL — Test Equipment
<b>100-1 Miscellaneous Test Sets</b>			
100-100-102	1		No. 22-B Test Set — Description
100-101-101	7		35-Type Test Sets — Description and Application
100-101-301	3		Use of No. 35-Type Test Set as a Variable Resistance
100-101-401	2		197A Battery Load Test Set — Description and Operation
100-101-801	3		Test Sets No. 35C, 35D and 35F — Piece- Part Data and Replacement Procedures
100-102-101	2		40B and 40C Test Sets — Description and Application
100-105-101	1		No. 73A Test Set — Description
100-115-101	1		151A Test Set — Description, Operation, and Adjustments

\* BRUSH is a registered trademark of Gould, Inc.

† VARIAN is a registered trademark of Varian Associates, Inc.

Number	Issue	Subject	Number	Issue	Subject
100-141-801	2	51 Type Dial Testers and Associated No. 16A Bracket — Piece-Part Data and Replacement Procedures	<b>100-2 Pulsing and Signaling Test Sets</b>		
100-143-501	2	Touch-Tone Station Test Receiver (J99297) — SD-98150-01 — Tests	Addendum	1	
100-143-502	1	Touch-Tone Station Test Receiver (J99297) — SD-98150-01 — Tests and Adjustments Using KS-21715 Precision Oscillator	100-232-501	3	Pulsing Test Set SD-31481-01 (J34717A) — Tests and Inspections
100-143-701	3	Touch-Tone Station Test Receiver (J99297) — SD-98150-01 — Adjustments	100-233-101	2	Pulse Repeating Test Set — J64722A — Description and Application
100-150-101	3	1A Fault Locator Test Set J94730A — Description and Application	100-234-101	2	Pulse Checking Test Set SD-96362-01 (J94723A) — Description and Application
100-150-301	3	1A Fault Locator Test Set J94730A — Method of Using	100-260-101	1	3A Pulse Generating Test Set — Description and Operation
100-160-101	3	KS-12054 L1 Test Set for 400-Type Germanium Varistors — Description and Application	100-261-101	1	Per Cent Break Meter — KS-7361 — Description
100-171-101	1	908A Logic Circuit Test Set — Description and Operation	100-262-101	1	1A Signaling Test Set and Signaling Test Panels J68602CD (2CD) and J68602CE (2CE) — Description
100-172-101	1	Frequency Counter KS-19247 L1 and L2 — Description and Application	100-263-501	6	2A, 2B, and 2B-1 Signaling Test Sets and Associated Pulse-Repeating Adapter Circuit — J64730 — Tests and Inspections
100-173-101	1	KS-22034 Field Test Unit — Storage Module Disk — Description and Operation	100-264-101	2	AC Relay and Signaling Test Set — J68602AJ — Description and Application
100-175-101	5	Remote Office Test Line (ROTL) — System Test Set (H-310-150) — Description and Operation	100-265-101	2	Test Set for Measuring 20- and 135-Cycle Signaling and Other AC Voltages — J68602AH — Description and Application
100-197-101	2	Automatic Call-Thru Test Set SD-32522- 01 (J34728) — Description	Addendum	1	
100-197-500	2	Automatic Call-Thru Test Set SD-32522- 01 (J34728) — Performance Tests and Adjustments	100-266-301	3	Analysis of 20-Hertz Ringing Load Current Using J86294A Ringing Demand Meter and J86294B Supplementary Ringing Demand Meter Equipment — Operating Methods
100-198-101	1	Automatic Call-Thru Test Set ITE 4557-T — Description	100-267-101	2	4A Signaling Test Set — Description and Operation
100-198-501	1	Automatic Call-Thru Test Set ITE 4557-T — Performance Tests and Adjustments	❶ 100-268-101	1	Signal Converter Test Set KS-21057 — Description
100-198-502	1	Call-Thru Tests — Using Automatic Test Set ITE 4557-T — No. 1 and 350A Step-by-Step and 355A and 35-E-97 Community Dial Offices and Step-by-Step Type PBX	❶ 100-268-501	1	Signal Converter Test Set KS-21057 — Tests
			100-269-101	4	1A Pulsing Analyzer — Description and Operation

Number	Issue	Subject	Number	Issue	Subject
<b>100-3 Test Panels</b>			100-505-101	1	KS-5098 Contact-Making Ampere-Hour Meters — Description
100-340-101	1	No. 2-A Relay Test Table — For Polar Relays — Description and Application	100-505-701	2	Contact-Making Ampere-Hour Meters — KS-5098 and KS-5098-01 — Requirements and Adjusting Procedures
100-341-101	2	116A1 Relay Test Panel for Polar Relays — Description and Application	100-505-801	1	Contact-Making Ampere-Hour Meters — Piece-Part Data and Replacement Procedures
100-342-101	1	111A2 Relay Test Panel for Polar Relays — Description and Application	100-508-701	2	DC Watt-Hour Meters KS-15530 and Other Mercury Types — Requirements and Adjusting Procedures
100-343-101	1	116B1 and 116C1 Relay Test Panels for Polar Relays — Description and Application	100-510-701	4	Electrical Indicating Instruments — Requirements and Adjusting Procedures
100-350-101	2	Testing and Adjusting Panel (J68602W) for 20 and 135 Cycle Ringers — Description and Application	100-512-101	1	KS-8340 Ohmmeter — Description and Application
100-351-101	3	No. 523-A Test Panel for Terminal and Intermediate Ringers — Description and Application	100-513-101	1	M9B Meter (Portable Volt-Ohm-Milliammeter) — Description and Application
100-352-101	3	No. 546-A Test Panel for Terminal and Intermediate Ringers — Description	100-515-101	3	Secondary Standards for Checking DC Meters — Description and Application
100-353-101	1	Testing and Adjusting Circuit Per SD-61041- 02 for 1000-Cycle, Two-Tube Ringers — Description	● 100-517-100	1	Enhanced Ground Current Monitor — Technical Reference and Operation Instructions (2-95)
100-354-101	1	Testing and Adjusting Circuit Per SD-61389- 01 for 1000-Cycle, Two-Tube Ringers — Description	Addendum	1	
100-355-101	1	Types "A" and "B" Composite Ringer — Test Panel — Description and Application	100-520-101	6	KS-14510 Meter (Portable Volt-Ohm- Milliammeter) — Description and Application
100-356-101	1	20 Cycle, 135 Cycle and 1000 Cycle Line Signaling Equipment — Test Panel (Test Circuit SD-61085-01) — Description	100-520-102	1	KS-20599, L4, Digital Multimeter — Description and Application
100-360-301	1	Toll Test Panel Per J61547W — Emergency Toll Offices — Description and Application	100-521-101	1	KS-20538 Meter (Portable Volt-Ohm- Milliammeter) Description and Application
<b>100-5 Electrical Indicating Instruments and Meters</b>			Addendum	1	
100-501-701	2	KS-14399 Contact-Making Ampere-Minute Meters — Requirements and Adjusting Procedures	100-525-101	2	400C Hewlett-Packard Vacuum Tube Voltmeter — Description
100-501-801	1	KS-14399 Contact-Making Ampere-Minute Meter — Piece-Part Data and Replacement Procedures	Addendum	1	
			100-526-101	3	Vacuum Tube Voltmeter — Hewlett-Packard Model 400D/H/L and H02-400D — Description
			100-527-800	1	Hewlett-Packard Model 3555A Modifier for Picturephone Use — Description, Operation, and Maintenance

Number	Issue	Subject	Number	Issue	Subject
<b>100-6 Electron Tube Test Sets, Tube Test Data, Oscilloscopes and Oscillographs</b>			100-635-501	3	WESTERN ELECTRIC Tube Test Data — KS- 15560, L1 and L2 Tube Testers
100-611-101	1	Cold Cathode Tube — Test Set J24754A — Description and Application	100-635-502	5	Non-WESTERN ELECTRIC Electron Tube Test Data — KS-15560 L1 and L2 Tube Testers
100-612-101	1	Cold Cathode Tube — Test Set J94731A — Description and Application	Addendum	2	
100-629-101	1	KS-15840, List 1 Micromhos Meter Calibrator — Description and Application	100-636-101	3	Electron Tube Test Set — KS-15750, L1 Tube Tester — Description and Operation
Addendum	1		100-636-501	3	WESTERN ELECTRIC Electron Tube Test Data — KS-15750, L1 Tube Tester
100-630-101	2	Electron (Vacuum) Tube Test Set — KS- 5727 Hickok Tube Tester — Description and Application	100-636-502	5	Non-WESTERN ELECTRIC Electron Tube Test Data — KS-15750 L1 Tube Tester
100-630-501	3	WESTERN ELECTRIC® Electron (Vacuum) Tube Test Data — KS-5727 L1 Hickok Tube Tester	Addendum	2	
100-630-502	5	Non-WESTERN ELECTRIC Electron (Vacuum) Tube Test Data — KS-5727 L1 Tube Tester	100-637-101	1	Electron Tube Test Set, Cardmatic Tube Tester — Model KS-15874-L1 and Model KS-15874-L2 With Serial Numbers Up to and Including 899 — Description and Operation
Addendum	1		Addendum	1	
100-633-101	1	Vacuum Tube Test Set — Hickok Model 531 (KS-13588 L1) and Modified 530B (KS-13725 L1) Tube Tester — Description and Application	100-637-102	1	Electron Tube Test Set — Model KS-15874-L2, Cardmatic Tube Tester With Serial Numbers Above 900 — Description and Operation
100-633-501	2	Non-WESTERN ELECTRIC Electron (Vacuum) Tube Test Data — Hickok Model 531 (KS-13588 L1) and Modified 530B (KS- 13725 L1) Tube Testers	100-640-101	3	Vacuum Tube Test Set — Hickok Model 530B Tube Tester — Description and Application
Addendum	1		100-640-501	1	Non-WESTERN ELECTRIC Electron (Vacuum) Tube Test Data — Hickok Model 530B (KS-8235) Tube Testers
100-634-101	2	Electron (Vacuum) Tube Test Set — KS- 15559 Hickok Tube Tester — Description and Application	100-650-100	2	208 Du Mont Cathode-Ray Oscillograph — Description
100-634-501	3	WESTERN ELECTRIC Electron Tube Test Data — KS-15559, L1 Tube Tester	100-651-100	1	304A Du Mont Cathode-Ray Oscillograph — Description
100-634-502	5	Non-WESTERN ELECTRIC Electron Tube Test Data — KS-15559 L1 Tube Tester	100-652-100	1	304H Du Mont Cathode-Ray Oscillograph — Description
Addendum	1		100-654-100	1	J68650A (50A) List 1 Oscilloscope — (Modified RCA Type WO-79A or WO-79B) — Description
100-635-101	3	Electron (Vacuum) Tube Test Set — KS- 15560, L1 and L2 Hickok Tube Testers — Description and Application	100-655-100	1	Type 453 TEKTRONIX* Oscilloscope — Description

\* TEKTRONIX is a registered trademark of Techtronix, Inc.

Number	Issue	Subject
100-655-101	1	Model 453 TEKTRONIX Oscilloscope — Probes and Accessories — Description
100-656-100	1	Type 535 TEKTRONIX Oscilloscope — Description
100-658-100	2	KS-16305 Oscilloscope — Description

#### 100-8 Wheatstone Bridges

100-810-101	2	Wheatstone Bridge KS-3011 — Description and Application
100-810-701	4	Wheatstone Bridges — KS-3011 and KS- 5588 — Requirements and Adjusting Procedures
100-810-711	2	Wheatstone Bridge Per KS-3011 — Used With Local Test Desk No. 14 or Cable Test Desk No. 2 or No. 3 — Requirements and Adjusting Procedures
100-810-712	2	Wheatstone Bridge Per KS-3011 — Used With Toll Testboards No. 4, No. 5 and No. 16 — Requirements and Adjusting Procedures
100-810-713	2	Wheatstone Bridge Per KS-3011 — Used With Toll Testboard No. 18B — Electrical Requirements
Addendum	1	
100-812-711	1	Wheatstone Bridge Per KS-5588 — Toll Systems — Requirements and Adjusting Procedures
100-815-101	1	KS-14959 Test Set (Portable Wheatstone Bridge) — Description and Application
100-825-101	1	1A Capacity Bridge — Description

**Division 102**

**Test Equipment, Electrical Indicating Instruments and Meters(Switching Systems and Power) Maintenance, Selection, and Use**

Number	Issue	Subject
<b>102-5 Electrical Indicating Instruments and Meters</b>		
102-505-801	2	Traffic Recording Ammeters — Replacements and Other Work Operations

**102-0 Indexes and Equipment Test List**

**102-1 Switching Systems**

**102-5 Electrical Indicating Instruments and Meters**

Number	Issue	Subject
<b>102-0 Indexes and Equipment Test List</b>		
102-000-000	16	Numerical Index — Division 102 — Test Equipment, Electrical Indicating Instruments and Meters — (Switching Systems and Power) — Maintenance, Selection, and Use
102-001-011	1	ETL
<b>102-1 Switching Systems</b>		
102-130-101	2	Trip Relay Adjusting Sets — Description
102-131-101	2	Call-Through Test Set — Description
102-172-101	1	Subscriber Line Rapid Insulation Test Set — H-297-421 (ST-627579) — Description
102-172-501	3	Subscriber Line Rapid Insulation Test — Using Electronic Type Test Set H-297- 421, (ST-627579) With Sleeve Supervision — Nos. 1, 1C, 1D, 11, Manual, Panel and Step-By-Step Offices
102-175-301	3	Automatic Cable Pressure Detector Circuit — Operating Methods
102-175-501	3	Automatic Cable Pressure Detector Circuit — Tests
■102-200-101AC	2	700 and 800 Test Sets



**Division 103****Transmission Test Equipment**

- 103-0 Index and Equipment Test List**
- 103-1 Miscellaneous Test Equipment**
- 103-2 Voice-Frequency Transmission Measuring Sets, Systems, and Associated Equipment**
- 103-3 Oscillators, Signal Generators, Milliwatt Reference**
- 103-4 Carrier-Frequency Transmission Measuring Sets, Lightwave and High Capacity Systems and Associated Equipment, Lightwave Test Sets**
- 103-5 Carrier-Frequency Noise Measuring Sets**
- 103-6 Crosstalk and Noise Measuring Sets and Associated Equipment**
- 103-7 Video Test Sets and Associated Equipment**
- 103-8 Telegraph and Teletypewriter Testing Apparatus and Tools**
- 103-9 Picturephone Service**

	Number	Issue	Subject
<b>103-0 Index and Equipment Test List</b>			
<b>103-000 Index</b>			
103-000-000	18		Numerical Index — Division 103 — Transmission Test Equipment
<b>103-001 Equipment Test List</b>			
103-001-011	14		Transmission Test Equipment
<b>103-1 Miscellaneous Test Equipment</b>			
<b>103-100 Attenuators</b>			
103-100-100	1		5A Attenuator — Description
<b>103-101 Composite Set Bridges</b>			
103-101-100	3		1A — Description

	Number	Issue	Subject
<b>103-102 Impedance Bridges</b>			
103-102-105	1		5A — Description
103-102-500	2		Measurements of Impedance Unbalances
<b>103-103 Terminating Networks</b>			
103-103-100	2		3A — Description
103-103-101	2		5A and 5B — Description
103-103-500	1		3A — Operation
<b>103-104 Test Networks</b>			
103-104-100	1		4097A — Description
103-104-101	1		4097B — Description
103-104-110	1		832B — Description
<b>103-105 Echo Suppressor Test Sets</b>			
103-105-100	2		J68605M (5M) Portable Test Set — Description
<b>58-Type Echo Suppressors Measuring System J68658</b>			
103-105-110	3		Description
103-105-310	3		Operation
Addendum	3		
103-105-510	3		Near-End Equipment — Tests and Adjustments
103-105-511	1		108-Type Test Termination — Out-of-Service Test
<b>103-106 Return Loss and Singing Point Test Sets</b>			
<b>Singing Point Test Sets</b>			
103-106-100	2		Reflection Attenuator — Description
Addendum	2		
103-106-105	1		J94002D (2D) and J94002E (2E) — Description
<b>Return Loss Measuring Sets</b>			
Addendum	1		
103-106-110	2		J99254C (54C) — Description
103-106-115	3		KS-20501 — Description and Operation

**103-107 Voice Frequency Telephone Repeater Test Sets**

Number	Issue	Subject
103-107-100	1	J94002G (2G) Repeater — Description
103-107-105	2	J98612F (12F) E-Repeater — Description
103-107-111	1	54A Transmission Measuring Set — Description and Operation
Addendum	1	
103-107-112	1	54B Test Stand — Description
103-107-120	1	KS-21940 L1 Handset Adapter Use and Application With Range Extender With Gain (REGs)

**103-108 2A Toll Test Unit**

103-108-100	1	Description
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**103-109 1A Artificial Cable Kit**

103-109-100	3	4096-Type Networks
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**103-110 Pulse Type Measuring Set**

103-110-100	1	Data Pulse Measuring Set — Description
103-110-110	3	J94027A, E, E, P/AR Meter Generators and J94027B P/AR Meter Receiver — Description, Operation, and Maintenance
103-110-111	1	J94027F P/AR Transmitter/Receiver — Description, Operation, and Maintenance

**103-111 Delay Measuring Set**

103-111-100	2	Delay Measuring System for Data Circuits — KS-15877 Transmitter — KS-15878 Receiver
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**103-115 Gain and Delay Measuring Sets**

Addendum	2	
103-115-100	2	25A Voiceband (J94025A) — Description and Operation
103-115-101	2	25B and 25BR Voiceband (J94025B and 94025BR) — Description, Operation, and Maintenance

Number	Issue	Subject
103-115-105	1	26A Wideband (J94026A) — Description, Operation, and Maintenance

**103-117 Telemetry Test Equipment**

103-117-101	1	KS-20937 E-Telemetry Station Test Set System — Description, Operation, and Maintenance
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**103-120 1A Harmonic Distortion Measuring System**

103-120-100	1	KS-20146, L1 Signal Generator and KS-20147, L1 Distortion Detector — Description
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**103-125 X-75948 Voiceband Gain and Phase Hit Counter**

103-125-000	1	Description and Operation
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**103-126 Digital Multimeasuring Systems**

103-126-100	1	KS-21111 Remote Digital Voice Frequency Transmission Measuring Set — Description
103-126-102	1	KS-21106 Remote Digital Multimeter — Description

**103-190 1,000-Cycle Machines — KS-5472**

103-190-101	4	Description
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**103-2 Voice-Frequency Transmission Measuring Sets, Systems, and Associated Equipment**

**103-202 Auxiliary Transmission Measuring Set**

103-202-100	1	Description
103-202-101	1	132A Impedance Adapter — Description

**103-204 TTS 4A TMS (Range: 300 to 3,500 Cycles Sending — 35 to 15,000 Cycles Receiving)**

103-204-100	3	Instruction Manual
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Number	Issue	Subject	Number	Issue	Subject
<b>103-221 J94021A (21A) Transmission Measuring Set (Range: 20 to 20,000 Cycles Sending and Receiving)</b>			103-231-510	3	Appearances at Voice-Frequency Patching Bays and Packaged N-Carrier Terminals — Data, Air-Ground, and Voice-Circuit Testboards for Private Service Systems and at Similar Locations — Tests and Adjustments
Addendum	3				
103-221-100	3	Description			
103-221-101	1	Calibration Checking Procedure			
<b>103-222 J94022A (22A) Milliwatt Reference Meter (Range: 300 to 3,000 Cycles)</b>			<b>103-235 Far-End Transmission Measuring and Noise Checking Circuit and Associated 104-Type Test Lines</b>		
103-222-100	3	Description	103-235-100	7	Description
103-222-101	1	36A Auxiliary Attenuator Used on 22A Milliwatt Reference Meter — Description	103-235-300	2	Accuracy and Operational Tests
			Addendum	2	
			103-235-500	4	Without Test Progress Tone — Tests
			103-235-501	4	Employing Test Progress Tone — Equipment Tests
<b>103-223 23-Type Transmission Measuring Sets</b>			<b>103-240 Control Unit for Loop Around Test Lines</b>		
103-223-100	3	23A and 23D — Description	103-240-500	5	J99329A Control Unit (60A) — Tests and Adjustments
103-223-101	2	J94023B, C, and CR — Description			
<b>103-231 Transmission and Noise Measuring Systems</b>			<b>103-245 DATS (Digital Access Timeslot Selector)</b>		
103-231-100	2	J94005 (SD-95900-01) — Description	103-245-100	3	J1C140A — Description
103-231-101	2	1U Amplifier-Rectifier (Range 35 to 15,000 Hertz) — Description	103-245-500	2	J1C140A-1 — Maintenance Information
103-231-102	2	1W Noise Amplifier-Rectifier With C- Message Weighting — Description			
103-231-103	1	Projection Meter, Projector, and Screen — Description and Maintenance	<b>103-250 J94051 ATMS (Automatic Transmission Measuring System)</b>		
103-231-104	1	KS-20805 — Description	103-250-100	2	General Description
103-231-110	2	Appearances at Voice-Frequency Patching Bays and Packaged N Carrier Terminals — Data, Air-Ground, and Voice-Circuit Testboards for Private Service Systems and at Similar Locations — Description	103-250-101	5	105-Type Test Lines and Remote Office Test Line (ROTL) Access Circuits — Description
103-231-500	3	J94005 (SD-95900-01) — Appearances at Testboards and at Similar Locations — Tests and Adjustments	103-250-110	1	51E Director — Used in No. 1 4-Wire ESS™ AUTOVON Offices — Description
			103-250-301	2	Director — Trouble Location
			103-250-302	1	Responder — Trouble Location
			103-250-501	4	Director Alignment
			103-250-502	4	Responder Alignment Using CP101RT 1 Per ED-99959-30

Number	Issue	Subject
103-250-503	2	Responder Alignment Using CP101RT Per ED-1C334-31
103-250-504	1	Remote-Office Responder Testing Procedure Using CP101RT per ED-1C334-31
Addendum	1	
103-250-702	7	105-Type Transmission Test Line Circuits — Build-Out Resistor Assembly Adjustment
103-250-710	1	51E Director — Used in No. 1 4-Wire ESS™ AUTOVON Offices — Build-Out Resistor Assembly Adjustment

### 103-251 CAROT (Centralized Automatic Reporting on Trunks)

103-251-105	1	Processor Controlled Interrogator — Description
103-251-110	1	J94054 Manually Controlled Interrogator — Description, Operation, and Use
103-251-111	1	54-Type Manually Controlled Interrogator — Adjustment of Loss in Transmission Paths
Addendum	1	
103-251-112	4	92A Control Unit — Description and Operation
103-251-113	1	92A Control Unit/Remote Outgoing Trunk (ROGT) Unit — KS-22321, L1 Console — Installation Procedures
103-251-114	1	92A Control Unit — Summarizing Specifications — Common Systems

### 103-252 52-Type ATMS (Automatic Transmission Measuring System)

Addendum	1	
103-252-100	3	J94052A (52A) Responder — Common Systems — Description and Operation
103-252-101	1	J94052B (52B) Responder Access Panel — Description and Operation
103-252-102	4	J94052C (52C) Responder Alignment Unit — Description and Operation
103-252-103	3	J94052D (52D) Responder — Description and Operation

Number	Issue	Subject
103-252-104	4	J94056A Mini-Responder — Description, Installation, Operation, and Maintenance
103-252-105	1	J94056B Mini-responder — Advanced Mobile Phone Service (AMPS) — Description, Installation, Operation, and Maintenance
103-252-106	1	FE117 Mini-responder — Remote Switching System (RSS) — Description, Installation, Operation, and Maintenance
103-252-500	3	J94052-Type (52A and 52D) Responder — Common Systems — Maintenance and Testing

### 103-260 CTMS/TFMS (Carrier Transmission Maintenance System/Trunk and Facilities Maintenance System)

■ 103-260-000AC	1	Quick Reference Guide (Binder with tabs and text.)
□ Addendum AC	1	
■ 103-260-001AC	1	Hardware and Maintenance Manual (Binder with tabs and text.)
□ Addendum AC	1	
■ 103-260-002AC	1	Operations Manual (Binder with tabs and text.)
□ Addendum AC	1	
■ 103-260-003AC	1	System Description and Data Base Operations (Binder with tabs and text.)
103-260-100	7	Description
Addendum	7	
103-260-101	1	Equipment Description
103-260-300	7	Operating System Detailed Description and Operating Procedures
103-260-301	8	Data Base Management
103-260-305	7	Application Programs
103-260-306	3	Trunk Maintenance Application Programs
103-260-500	5	Maintenance

### 103-261 J1P012A OTTS (Outgoing Trunk Testing System)

103-261-100	2	No. 4A or 4M Crossbar Switching System — Description and Operation
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Number	Issue	Subject	Number	Issue	Subject
103-261-101	1	OTTS/ROTL — Description and Operation	<b>103-311 J64052A (52A) Oscillator (64, 100, 556, 1056, and 2064 Kilocycles)</b>		
103-261-500	2	No. 4A Toll Switching Systems — SD- 1P062-01, SD-1P063-01 — Tests	103-311-100	3	Description
103-261-501	2		<b>103-312 J64053A (53A) Mobile Oscillator (Range: 50 to 3,600 Kilocycles)</b>		
103-261-501	2	Build-Out Pad — Adjustment	103-312-100	3	53A with 25B Oscillator — Description
103-261-502	1	OTTS/ROTL — Maintenance	103-312-101	1	53A with 25A Oscillator — Description
<b>103-262 J1P029B and J1P029C CAS (Carrier Alarm Scanner)</b>			<b>103-313 J64056A (56A) Oscillator (Range: 50 to 10,000 Kilocycles)</b>		
103-262-100	1	Description	103-313-100	3	Description
<b>103-3 Oscillators, Signal Generators, Milliwatt Reference Generators, and Distributing Systems</b>			<b>103-314 J64057A (57A) Oscillator (308, 556, 2064, 3096, 7266, and 8320 Kilocycles)</b>		
<b>103-300 200- and 650A-Type Oscillators (Hewlett-Packard)</b>			103-314-100	2	Description
103-300-100	1	Model 200CD — Instruction Manual	<b>103-318 J64061B (61B) and J64061C (61C) Signal Generators (Range: 60 Cycles to 10 Megacycles)</b>		
103-300-105	1	Model 200H — Description	Addendum	2	
103-300-106	1	650A — Description, Operation, and Maintenance	103-318-100	3	Description
<b>103-302 KS-19260 and KS-19353 Oscillators</b>			103-318-500	3	Tests and Maintenance Adjustments
103-302-100	2	KS-19260, L6, L7 — Description and Operation	<b>103-319 J64061B (61B) Signal Generator</b>		
103-302-105	1	KS-19353, L1 (50 Cycles to 560 Kilo- Cycles) — Description and Operation	103-319-300	1	Periodic Tests and Test Intervals
103-302-106	2	KS-19353, L5 — Description and Operation	103-319-501	2	Tests and Maintenance Adjustments
103-302-300	1	KS-19260 — Maintenance Considerations	103-319-502	1	Regulated Power Supply Tests and Adjustments
<b>103-305 17A and 17B Oscillators (Range: 500 Cycles to 150 Kilocycles)</b>			103-319-503	2	Video Signal Generator — Tests and Adjustments
103-305-100	2	Description	103-319-504	2	Sine Wave Generator — Tests and Adjustments
103-305-700	1	Requirements and Adjusting Procedures	103-319-505	1	Level Monitor — Tests and Adjustments
<b>103-310 J64051A (51A) Oscillator (Range: 2 to 79 Kilocycles)</b>			103-319-506	1	Electron Tube Tests
103-310-100	1	Description	103-319-507	1	Trouble Investigation — Voltage and Wave — Form Measurements
103-310-101	1	Calibration of — 1 KC, 0 KC Control			

Number	Issue	Subject	Number	Issue	Subject
<b>103-320 J64061C (61C) Signal Generator</b>			103-327-300	1	Milliwatt Record Book — General Description and Maintenance Procedures
103-320-300	1	Periodic Tests and Test Intervals	103-327-500	5	71C and 71F Milliwatt Reference Generators — 71G Precision Tone Generator — Output Test and Calibration
103-320-501	2	Tests and Maintenance Adjustments	<b>103-335 Milliwatt Distributing Systems and Test Lines</b>		
103-320-502	1	Regulated Power Supply — Tests and Adjustments	103-335-300	3	Initial Test Requirements and Periodic Tests
103-320-503	2	Video Signal Generator — Tests and Adjustments	103-335-500	5	General Information
Addendum	2		103-335-501	4	Adjustment of Distributing Resistors to Compensate for Office Wiring Loss in 600-ohm Jack-Ended Outlets and Transmission Test Lines
103-320-504	2	Sine Wave Generator and Monoburst Adapter — Tests and Adjustments	103-335-502	4	Adjustment of Distributing Resistors to Compensate for Office Wiring Loss in 900-ohm Jack-Ended Outlets and Transmission Test Lines
103-320-505	1	Level Monitor — Tests and Adjustments	103-335-503	5	Check of Idle Circuit Terminations
103-320-506	1	Electron Tube Tests	103-335-504	5	No. 1 Crossbar — Check of Milliwatt Test Lines Reached by 4- or 7-Digit Numbers
103-320-507	1	Trouble Investigation — Voltage and Wave-Form Measurements	103-335-505	6	No. 5 Crossbar — Check of Transmission Test Lines Reached by 4- or 7-Digit Numbers
<b>103-321 H01-653A (653A) HEWLETT PACKARD* Oscillator</b>			103-335-506	5	Step-by-Step — Check of Transmission Test Lines Reached by 4- or 7-Digit Numbers
103-321-000	1	Description and Operation	103-335-507	5	No. 5 Crossbar — Check of Transmission Test Lines Reached by 3-Digit Codes
<b>103-325 J94071A (71A) Milliwatt Reference Generator (1,000 Cycles)</b>			103-335-508	5	Crossbar Tandem or Step-by-Step Intertoll or Tandem Check of Transmission Test Lines Reached by 3-Digit Codes
103-325-100	2	Description	103-335-509	4	No. 4-Type Crossbar — Check of Transmission Test Lines Reached by 3-Digit Codes
103-325-500	3	Output Adjustment at Maintenance Outlet Jack	103-335-510	5	Manual Switchboards — Check of Milliwatt Outlets
<b>103-326 J94071B (71B) Milliwatt Reference Generator</b>			103-335-512	5	Check of Jack-Ended Outlets
103-326-100	2	Description			
<b>103-327 J94071 Milliwatt Reference Generator</b>					
103-327-100	6	71C and 71F Milliwatt Reference Generators; 71G Precision Tone Generator; 71D, 71E, and 71H Distributing Network Panels; and 71J Access Panel — Description			
103-327-180	2	71C, 71F, and 71G Milliwatt Reference Generators; 71D, 71E, and 71H Distributing Network Panels; and 71J Access Panel — Engineering Application			

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Number	Issue	Subject	Number	Issue	Subject
103-335-513	4	Adjustment of KS-16744, List 1 Distributing Networks to Compensate for Office Wiring Loss in 600- and 900-Ohm Jack- Ended Outlets and Transmission Test Lines	103-341-501	3	2A — Chart 2: Setting the Output Adjusting Circuit
103-335-514	3	4-Wire No. 5 Crossbar Offices — Check of Transmission Test Lines	<b>103-343 J94024 (24B and 24C) Loop Checker Generators</b>		
103-335-515	4	2-Wire and HILO 4-Wire No. 1 ESS Offices — Alignment and Check of Transmission Test Lines	103-343-101	3	Description
103-335-516	2	4-Wire No. 1 ESS Offices — Check of Transmission Test Lines	103-343-501	3	Tests
103-335-517	2	Automatic Intercept System — Check of Transmission Test Lines	103-343-701	3	Adjusting Procedures
103-335-518	3	2-Wire No. 2 ESS Offices — Check of Transmission Test Lines	<b>103-344 J94024C (24C) Loop Checker Generator</b>		
<b>103-336 Wideband Test Termination</b>			103-344-501	3	Tests
103-336-501	1	100-Type for Picturephone — Check and Adjustment of 1000-Hz Output and Verification of Operating Features	103-344-701	3	Adjusting Procedures
103-336-502	1	102-Type for Picturephone Check and Adjustment of 1000-Hz Output and Verification of Operating Features	<b>103-345 201A and 201B Noise Generator (20 to 20,000 Cycles)</b>		
▣ 103-336-503	1	Wideband Remote Switch Terminating Test Line — Check and Adjustment of 1000- Hz — Output and Verification of Operating Procedures	103-345-100	2	Description, Operation and Maintenance
<b>103-337 Common Systems — Test Termination Circuit, SD-96540-01</b>			<b>103-350 Wideband Oscillator</b>		
103-337-100	3	Description, Operation and Maintenance	103-350-100	1	Hewlett-Packard Model 209A Modified for Picturephone Use — Description, Operation and Maintenance
<b>103-341 J94002A (2A) and J94002C (2C) Sending Panels</b>			<b>103-4 Carrier-Frequency Transmission Measuring Sets, Lightwave and High Capacity Systems and Associated Equipment, Lightwave Test Sets</b>		
Addendum	3		<b>103-400 Carrier-Frequency Voltmeters (Sierra Electronic Corporation)</b>		
103-341-100	2	Description	103-400-101	1	KS-15538, List 1 (Range: 20 to 600 Kilocycles) — Description
103-341-500	3	2A — Adjustment of Temperature Compensation for the KS-5472-01 Machine	103-400-102	1	KS-15538, List 2 (Range: 20 to 500 Kilocycles) — Description
			103-400-103	1	KS-15538, List 3 (Range: 30 to 500 Kilocycles) — Description
			Addendum	1	
			103-400-104	1	KS-15538, List 4 (Range: 3 to 620 Kilocycles) — Description
			Addendum	1	
			103-400-105	1	KS-15538, List 5 (Range: 2 to 350 Kilocycles) — Description
			103-400-106	1	KS-15538, L5A Frequency Selective Voltmeter (Range: 2 to 350 Kilocycles) — Description

Number	Issue	Subject
103-400-107	1	KS-15538, L6 Frequency Selective Voltmeter (Range: 2 to 350 kHz) — Description and Operation — (Dranetz Engineering Laboratories)
<b>103-401 Wandel &amp; Goltermann* Transmission Test Set (10 kHz to 36 MHz)</b>		
Addendum	1	
103-401-100	2	Description
103-401-300	2	Operation
<b>103-402 Portable Oscillator and Selective Analyzer 10 KC to 17 MC (Siemens-Halske)</b>		
103-402-100	1	Description
103-402-300	2	Operating Methods
<b>103-403 Sierra Portable Signal Generator (Model 351A) and Frequency Selective Voltmeter (Model 128A) 10 kHz to 15 MHz</b>		
103-403-100	1	Description
103-403-300	2	Operation
<b>103-404 Sierra Model 3054A (1 kHz to 33.5 MHz)</b>		
103-404-000	1	Description and Operation
<b>103-405 J68827A (27A) Sending and J68827B (27B) Receiving Consoles (Range: 50 to 10,000 Kilocycles)</b>		
103-405-100	4	Description
103-405-300	2	Operation
<b>103-406 Wandel-Goltermann Level Generator AT462 and Selective Level Meter AT463</b>		
103-406-000	3	6 kHz to 18.6 MHz — Description and Operation
<b>103-407 J68858AT (58AT) Pilot Filter Set</b>		
Addendum	3	
103-407-101	4	Description

Number	Issue	Subject
<b>103-408 J64030A (30A) Transmission Measuring Set (Range: Up to 150 Kilocycles)</b>		
Addendum	4	
103-408-100	2	Description
<b>103-409 J64031A (31A) and J64031B (31B) Transmission Measuring Sets (Range: 1 to 150 Kilocycles)</b>		
103-409-100	2	Description
<b>103-410 J64032A (32A) Transmission Measuring Set (Range: 150 Cycles to 150 Kilocycles)</b>		
103-410-100	2	Description
<b>103-411 J64033A (33A) Transmission Measuring Set (Range: 60 to 3,400 Kilocycles)</b>		
103-411-100	4	Description
<b>103-412 J64034A (34A) Transmission Measuring Set (Range: 35 Cycles to 3.5 Megacycles)</b>		
103-412-000	1	Description, Operation, and Maintenance
<b>103-413 J64035A (35A) Transmission Measuring Set (Range: 30 Cycles to 10 Megacycles)</b>		
103-413-100	1	Description
<b>103-414 J64037A (37A) and J64037B (37B) Transmission Measuring Sets (Range: 50 to 11,000 Kilocycles) and J64001AM Power Supply</b>		
103-414-100	2	Description
<b>103-415 J64038A (38A) Transmission Measuring Set (Range: 100 Cycles to 10 Megacycles)</b>		
103-415-100	2	Description
103-415-300	1	Periodic Tests and Test Intervals
103-415-500	1	Tests and Adjustments
103-415-501	1	Regulated Power Supply Tests
103-415-502	1	Frequency Check of 308 KC Oscillator
103-415-503	1	Calibration Control Check
103-415-504	2	Check of 0.5 DB Scale
103-415-505	1	Protection Pad Check

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Number	Issue	Subject	Number	Issue	Subject
103-415-506	1	Check of Amplifier Peaking Circuit	<b>103-421 J64044A (44A) Transmission Measuring System (Range: 50 to 3,500 Kilocycles)</b>		
103-415-507	1	Automatic Gain Control Circuit Test	103-421-100	1	Description
103-415-508	1	Check of Balance Adjustments	<b>103-422 Wandel-Goltermann Milliwatt Test Set EPM-1</b>		
103-415-509	1	Check of 308 KC Rejection Circuits	103-422-000	1	Description, Operation, and Maintenance
103-415-510	1	Frequency Synchronization Check	<b>103-423 Hewlett-Packard Selective Level Measuring Set 3745B</b>		
103-415-511	1	Check of 75-Ohm Frequency Characteristic	103-423-102	1	Description and Operation
103-415-512	1	Check of 124-Ohm Frequency Characteristic	<b>103-424 J64049A (49A) L-Multiplex Measuring System</b>		
103-415-513	1	Electron Tube Tests	Addendum	1	
103-415-514	1	Trouble Investigation	103-424-100	2	Description
<b>103-416 Siemens Portable 100-MHz Transmission Measuring Set (100 kHz to 100 MHz)</b>			Addendum	2	
103-416-000	1	Description and Operation	103-424-300	1	Operation and Maintenance
103-416-100	1	Selective Level Meter D2073B — Description and Operation	<b>103-425 J64072A (72A) Frequency Meter (Range: 100 to 4,000 Cycles and 10 Cycles to 40 Kilocycles)</b>		
<b>103-417 Siemens Transmission Measuring Sets</b>			103-425-100	2	Description
103-417-000	1	Siemens Model K1023 (10 kHz to 25 MHz) — Description and Operation	<b>103-427 J64001R (1R) and J64001AC (1AC) Tube Test Set</b>		
103-417-100	1	Siemens Model K1073 (100 kHz to 100 MHz) — Description and Operation	103-427-100	2	Description
<b>103-418 Wandel-Goltermann Selective Level Meter AT-278</b>			<b>103-428 J64001AR (1AR) Patch Cord Test Set</b>		
103-418-000	1	Description and Operation	Addendum	2	
<b>103-419 Wandel-Goltermann Transmission Measuring Systems — PSM-7</b>			103-428-100	1	Description
103-419-000	1	Description, Operation, and Maintenance	103-428-101	1	General Information — Continuity and Short Tests
<b>103-420 Siemens Model 2006 (10 kHz to 17 MHz)</b>			Addendum	1	
103-420-000	1	Description and Operation	103-428-102	1	Coaxial Patch Cords or Plugs — Continuity Tests
			103-428-103	1	Two Conductor Cords With 379A Plugs — Continuity Tests
			103-428-104	1	Two Conductor Cords With KS-14323 Plugs — Continuity Tests
			103-428-105	2	Short Tests
			<b>103-429 J94002AA (2AA) Milliwatt Reference Set</b>		
			103-429-100	3	Description

Number	Issue	Subject
<b>103-430 J94070A (70A) Spectrum Generator (Range: 12 to 264 Kilocycles)</b>		
103-430-100	2	Description
<b>103-431 KS-15872, List 1 Spectrum Analyzer (Range: 5 to 300 Kilocycles)</b>		
103-431-100	1	Description
103-431-300	1	Operation
<b>103-432 J64090 (90-Type) Carrier Frequency Test Equipment</b>		
103-432-100	2	Description
103-432-101	2	90A Oscillator — Description, Operation, and Maintenance
103-432-102	2	90B Selective Detector — Description, Operation, and Maintenance
103-432-103	2	90C Console — Description
103-432-104	3	90D Level Control — Description, Operation, and Maintenance
103-432-105	2	90E Transmission Measuring Set — Description
103-432-106	2	90F Digital Control Unit — Description, Operation, and Maintenance
103-432-107	2	90G Oscillator — Description, Operation, and Maintenance
103-432-108	2	90H Selective Detector — Description, Operation, and Maintenance
103-432-109	1	90J Fixed Frequency Selector — Description, Operation, and Maintenance
103-432-120	2	91DP and 91GP — Description, Operation, and Maintenance
103-432-121	2	J68958A Control Unit — Description, Operation, and Maintenance
103-432-300	2	General
103-432-800	2	Service and Return Procedures
<b>103-433 J64074A (74A) Wideband Power Meter</b>		
☐ 103-433-000	3	Description, Operation, and Maintenance

Number	Issue	Subject
<b>103-434 J64092A CTMS (Carrier Transmission Maintenance System)</b>		
<b>J64092B Programming Console</b>		
103-434-110	1	Description
103-434-310	2	Operation
103-434-510	1	Maintenance
<b>103-435/441 L1 Carrier Test Sets</b>		
<b>2A Pilot Indicator</b>		
103-435-100	3	Description
<b>Switching Section Phase Comparison Set</b>		
103-436-100	1	Description
<b>J68825A (25A) Repeater Activity Test Set</b>		
103-437-100	2	Description
<b>97A Test Set</b>		
103-438-100	3	Description
<b>6077A Test Set</b>		
103-439-100	1	Description
<b>J68831A (31A) Visual Transmission Measuring Set</b>		
103-440-100	1	General Considerations
103-440-101	1	Description
103-440-501	1	Calibration and Operation
103-440-502	1	Maintenance
103-440-503	1	Trouble Location
<b>D178980 Transmission Measuring Set</b>		
Addendum	1	
103-441-100	3	Description
<b>103-442 LMX-2 Carrier Terminal Test Fixtures</b>		
103-442-100	1	Miscellaneous Test Fixtures
103-442-101	2	Range Alignment Termination
103-442-102	1	ED-51318-30 Portable 231-Type Amplifier — Description
<b>103-449/455 L3 Carrier System Test Sets</b>		
<b>J64007A (7A) Pilot Indicator</b>		
103-450-100	3	Description

Number	Issue	Subject	Number	Issue	Subject
<b>J64001AL (1AL) Power Test Set</b>			<b>103-460 Line Equipment Test Stand J68923A and Warm-Up Rack ED-51487 (L5 Carrier)</b>		
103-451-100	2	Description	103-460-000	2	Description, Operation and Maintenance
<b>J68839A (39A) and J68839B (39B) Thermistor Control Sets</b>			<b>103-467/485 N, O, and ON Carrier System Test Equipment and Test Sets</b>		
103-452-100	3	Description	<b>J98705M (5M) Channel Unit Test Stand</b>		
<b>J68837A (37A) and J68837C (37C) Cosine Equalizer Adjustment Sets</b>			103-467-100	2	Description
103-453-100	3	General Considerations	<b>Carrier Failure Indicator</b>		
103-453-101	3	Description	103-468-100	1	Description
103-453-500	3	Calibration and Operation	<b>KS-21697 HIN Test Set</b>		
Addendum	3		103-469-100	1	Description, Operation, and Maintenance
103-453-501	3	Maintenance	<b>J94002N (2N) Group Unit Switching Set</b>		
<b>J68837B (37B) Cosine Equalizer Adjustment Set — Portable Receiver</b>			103-471-100	3	Description
103-454-000	3	37B and 37D — Description and Operation	<b>J94002M (2M) Switching Set for N1 and ON Repeaters and N2 Repeaters With N2/N1 Adapters</b>		
<b>ED-51064-30 Pilot Hit Detector (L4 Carrier)</b>			103-472-100	4	Description and Maintenance
103-455-000	1	Description, Operation, and Maintenance	<b>J98703BD (3BD) Switching Set for N1A Repeaters and N2 Repeaters in N2/N1A Adapters</b>		
<b>103-456 J68898A (98A) Pilot Frequency Measuring Set, Lists 1 and 2 (L4 Carrier)</b>			103-473-100	2	Description and Maintenance
103-456-000	2	Description, Operation, and Maintenance	<b>J94002J (2J) Repeater Test Set</b>		
<b>103-457 J68899A Main Station Repeater Test Set (L4 Carrier)</b>			103-474-100	2	Description
Addendum	2		<b>J94002K (2K) Tube Test Set</b>		
103-457-000	2	Description, Operation, and Maintenance	103-475-100	3	Description, Operation and Maintenance
<b>103-458 Repeater Test and Maintenance Stand (L4 Carrier)</b>			<b>J94002P (2P) Tube Test Set</b>		
103-458-000	2	J68906A Equalizing Repeater — Test and Maintenance Stand — Description, Operation, and Maintenance	103-476-100	2	Description
103-458-100	1	J68906B Line Repeater Test Set — Description, Operation, and Maintenance	<b>J98703AF (3AF) Deviation Regulator Test Set</b>		
			103-477-100	1	Description
			<b>N Line Test Sets — Description and Operation</b>		
			Addendum	1	
			103-478-100	2	KS-19750 Deviation Test Set
			103-478-101	1	Sierra Model 322A Carrier Generator

Number	Issue	Subject	Number	Issue	Subject
<b>N2 Switching Sets</b>			103-486-111	2	FT3 Line Test Set (KS-22264, L1) — FT3 Lightwave — Description, Operation, and Maintenance
103-480-100	2	J99272U — Description	103-486-112	2	FT3C Test Unit KS-22670, List ( ) — FT3C Lightwave — Description, Operation, and Maintenance
103-480-101	1	J99321S — Description	103-486-113	2	FT3C Portable Violation Monitor (KS- 22671, L1) — FT3C Lightwave — Description, Operation, and Maintenance
Addendum	1		103-486-114	2	190A Optical Loss Test Set — Description, Operation, and Maintenance
103-480-500	3	J99272U — Maintenance	103-486-115	2	Multimode Optical Loss Test Set (KS-22820) — Description, Operation, and Maintenance
Addendum	3		103-486-119	1	FTX-180/FT3C Test Unit KS-23128, List ( ) — FT3C/FTX-180 Lightwave — Description, Operation, and Maintenance
103-480-501	3	J99321S — Maintenance	103-486-120	2	FTX-180/FT3C Portable Violation Monitor (KS-23129, L3) — FT3C/FTX-180 Lightwave — Description, Operation, and Maintenance
<b>N2 Terminal Test Stands</b>			<b>Multiplex Facilities</b>		
Addendum	3		103-487-101	1	DS3 Error Rate Test Set (KS-21366, L2 and KS-21424, L2) — Description and Operation
103-481-100	2	J99272W — Description	<b>103-488 Signal Monitor Test Sets</b>		
103-481-101	1	J99272AH — Description	103-488-100	1	1A-RDS — Description, Operation, and Maintenance
103-481-500	2	J99272W — Maintenance	103-488-105	1	J68435AH Digital — Description, Operation, and Maintenance
103-481-501	1	J99272AH — Maintenance	<b>103-490 T1 Carrier — Test Equipment and Test Sets</b>		
<b>N3 Switching Set</b>			103-486-119	1	J98710G Error Detecting Set — Description, Operation, and Maintenance
103-483-100	1	Description	103-490-101	1	J98710G List 2 Error Detecting Set — Description, Operation, and Maintenance
103-483-501	1	Maintenance	103-491-100	2	J98710F, List 1 and J98710F, List 2 Fault Locating Sets — Description, Operation, and Maintenance
<b>N3 Terminal Test Stand</b>					
103-484-100	1	Description			
103-484-501	1	Maintenance			
<b>103-486/487 T3, T4M, and FT3 Systems — Test Equipment</b>					
<b>Transmission Facilities and Lightwave Test Sets — Digital Transmission Systems</b>					
103-486-100	1	J98721F Regenerator Test Set — Description, Operation, and Maintenance			
103-486-101	1	J98721E (21E) Fault Locating Test Set — Description, Operation, and Maintenance			
103-486-102	2	J98721H (21H) Portable Violation Monitoring Test Set — Description, Operation, and Maintenance			
103-486-103	1	J98721G Transmission Test Set — Description, Operation, and Maintenance			
103-486-104	1	J98721J Portable Signal Generator — Description, Operation, and Maintenance			
103-486-105	1	Nickel-Cadmium Battery Charger KS- 21797, L1 — Description, Operation, and Maintenance			

Number	Issue	Subject	Number	Issue	Subject
103-492-100	4	J98710H Repeater Test Set — Description and Maintenance	103-493-120	2	DS1/DS1C/DS2 Error Rate Test Set (KS- 22331, L1 and KS-22332, L1) — Description, Operation, and Maintenance
103-493-100	4	113A Test Set — Digital Transmission Systems — Description, Operation, and Maintenance	103-494-100	2	J98725AC Office Bipolar-Violation Detector — Description and Maintenance
103-493-101	3	113B Test Set — Digital Transmission Systems — Description, Operation, and Maintenance	103-494-101	1	J98725AB T1C/T1 Manhole Bipolar Violation Detector — Description and Maintenance
103-493-102	1	T-1 Line Repeater Test Set — Sierra 316A	103-494-103	3	J98725AE T1C Line Repeater Test Set — Description and Maintenance
103-493-103	2	J98710P T1 Line Error Detector — Digital Transmission Systems — Description, Operation, and Maintenance	103-494-104	3	J98725AA Pair Loss Test Set — Description, Operation, and Maintenance
103-493-104	2	J98710R T1 Carrier Quasi-Random Signal Source — Digital Transmission Systems — Description	103-494-105	3	T1C/T1 Quasi-Random Signal Source (QRSS) — Description, Operation, and Maintenance
103-493-105	1	Biddle* 110A Cable Test Set — Digital Transmission Systems — Description, Calibration, and Maintenance	103-494-106	1	J98725AD T1C/T1 Fault-Locating Test Set — Description and Maintenance
103-493-106	1	T1 Repeater/Section Test Set — Northeast Electronics Model 7002 — Digital Transmission Systems	103-494-107	3	KS-22424 T1D Test Set — (Fault Locating and Repeater) — Description and Maintenance
103-493-107	1	T1 Line Monitor — Digital Transmission Systems — Description and Tests	103-494-108	3	KS-22423 T1D Test Set (Manhole Violation Detector) — Description and Maintenance
103-493-108	1	107A Power Unit Test Set — Description and Maintenance	103-494-109	1	J98725AJ Fault Line Power Module — Digital Transmission Systems — Description
103-493-109	3	KS-20775, L1 and L2A Error Rate Test Sets — Digital Transmission Systems — Description and Operation	103-494-111	3	J99403TA Transponder — Description and Operation
103-493-110	1	Error Rate Test Set — Bowmar† Model 271B — Digital Transmission Systems	103-494-112	1	J99403TA L2 Transponder — Operation Procedure
103-493-111	1	T1 Error Rate Monitor — Northeast Electronics Model 7031 — Digital Transmission Systems	<b>103-495 T2 Carrier — Test Equipment and Test Sets</b>		
103-493-115	1	107B Power Unit — Description and Maintenance	103-495-100	4	17L Bipolar Violation Detector — Description and Operation
			<b>103-496 Fault Locating Set</b>		
			Addendum	4	
			103-496-100	3	17J — Digital Transmission Systems — Description and Operation
			<b>103-497 Regenerator Test Set</b>		
			103-497-100	4	J98717M Regenerator Test Set — Description, Operation, and Maintenance

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† Bowmar is a registered trademark of Bowmar Instrument Corporation

Number	Issue	Subject
<b>103-498 Pair Measuring Set</b>		
103-498-100	3	T2 Digital Line — 17K Pair Measuring Set — Description and Operation
<b>103-5 Carrier-Frequency Noise Measuring Sets</b>		
<b>103-500 Carrier-Frequency Noise Measuring Set</b>		
103-500-100	2	J94007A (7A) (Range: 10 to 552 kHz) — Description
103-500-101	1	N Line Noise Sectionalization Set — Band Rejection Filter Unit J98703MC — Description
<b>103-6 Crosstalk and Noise Measuring Sets and Associated Equipment</b>		
<b>103-611 No. 3-Type Noise Measuring Sets</b>		
Addendum	1	
103-611-100	4	J94003A and B
103-611-101	2	J94003C (3C)
103-611-102	2	J94003 (3CR)
<b>103-620 J94006( ) Voiceband Impulse Counters — Single Level</b>		
Addendum	2	
103-620-100	5	6A and 6E — Description, Operation, and Maintenance
103-620-101	2	6H and 6HR — Description, Operation, and Maintenance
<b>103-626 J94006( ) Voiceband Noise Measuring Sets — Multilevel</b>		
103-626-100	3	6F and 6FR — Description, Operation, and Maintenance
<b>103-627 J94006G Wideband Noise Measuring Set</b>		
103-627-100	1	Description, Operation, and Maintenance
103-627-101	1	Modified for PICTUREPHONE Use — Description, Operation, and Maintenance

Number	Issue	Subject
<b>103-628 Portable Pilot/Noise Monitor (1A-RDS)</b>		
103-628-100	3	J68448A-90 — Description, Operation, and Maintenance
<b>103-635 4A Frequency Analyzer</b>		
103-635-100	1	Description
<b>103-642 Noise Influence Coupler</b>		
103-642-100	1	Description
<b>103-7 Video Test Sets and Associated Equipment</b>		
<b>103-700 Impedance Matching Pads</b>		
103-700-100	2	Description
<b>103-701 197A and 197B Repeating Coils</b>		
103-701-100	5	Description
<b>103-702 J64001AP (1AP) Transmission Comparing Set</b>		
103-702-100	1	Description and Operation
<b>103-703 J64047A (47A) Television Transmission Measuring System</b>		
103-703-100	2	Description
103-703-500	3	Tests and Maintenance Adjustments
<b>103-704 J64047B (47B) Sending Unit</b>		
103-704-300	1	Periodic Tests and Test Intervals
103-704-500	2	Tests and Maintenance Adjustments — General
103-704-501	2	Low Frequency Signal Generator Output and Frequency Measurements
103-704-502	2	High Frequency Signal Generator — Output and Frequency Measurements
103-704-503	1	Sync Pulse Level and Polarity Tests
103-704-504	1	Power Supply Regulation
103-704-505	1	Check of 124-Ohm Balanced Output

Number	Issue	Subject	Number	Issue	Subject
103-704-506	2	Check of Output Controls	<b>103-721 KS-15654 List 1 Video Monitor</b>		
103-704-507	1	Electron Tube Tests	103-721-100	1	Description
103-704-508	1	Trouble Investigation — Voltage and Waveform Measurements	103-721-500	2	Tests and Adjustments
103-704-509	2	Low Frequency Signal Generator-Oscillator and Sync Pulse Adjustments	<b>103-722 KS-15654 List 2 Video Monitor</b>		
103-704-510	2	High Frequency Signal Generator — Oscillator and Buffer — Amplifier Adjustments	103-722-100	2	Description
			103-722-500	2	Tests and Adjustments
<b>103-705 J64047C (47C) Receiving Unit</b>			<b>103-734 J64005A (5A) Noise Weighting Set</b>		
103-705-300	1	Periodic Tests and Test Intervals	103-734-100	2	Description, Operation, and Maintenance
103-705-500	2	Tests and Maintenance Adjustments	103-734-801	1	Modification for Single Color and Monochrome Weighting Network
103-705-501	1	Sensitivity Check	<b>103-735 J64009A (9A) Video Distortion Meter (Range 15 to 300 Kilocycles)</b>		
103-705-502	1	Check of Sweep Phase Amplitude and Control	103-735-100	1	Description, Operation and Maintenance
103-705-503	1	Check of 124-Ohm Balanced Input	<b>103-736 36-Type Video Visual Gain and Delay Distortion Measuring Set (Range: 12 to 330 kc)</b>		
103-705-504	1	Electron Tube Tests	Addendum	1	
103-705-505	1	Trouble Investigation — Voltage and Waveform Measurements	103-736-100	1	J64036A (36A) — Description
103-705-506	1	Check and Adjustment of Calibrating Signal	103-736-150	1	J64036B (36B) — Description
103-705-507	1	Signal and Reference Amplifier Adjustments	<b>103-738 J64070A (70A) and J64070B (70B) Power Meters (Range: Dc to 200 Megacycles)</b>		
103-705-508	2	Amplifier Gain	103-738-100	5	Description
<b>103-710 J68362 Video Visual Test Set</b>			<b>103-745 KS-15512 Video Frequency Oscilloscope</b>		
103-710-100	1	Description	103-745-100	2	List 1, 2 and 3 — Description
103-710-101	2	Simplified Receiver — Description	103-745-101	3	List 4 — Description
103-710-300	1	Maintenance Intervals	103-745-102	3	List 5 — Description
103-710-500	2	General	103-745-500	2	List 1, 2 and 3 — Tests and Adjustments
103-710-501	2	Calibration and Operation	103-745-501	2	List 4 — Tests and Adjustments
103-710-502	1	Alignment and Adjustment	103-745-502	2	List 5 — Tests and Adjustments
<b>103-715 J44103A (3A) Video Monitoring Probe</b>			<b>103-746 Conrac CYB17 Color Monitor</b>		
103-715-100	1	Description, Operation and Maintenance	103-746-000	1	Description, Operation and Maintenance
<b>103-720 KS-5799 Video Monitor</b>					
103-720-100	3	Description			
103-720-500	1	Tests and Adjustments			

Number	Issue	Subject	Number	Issue	Subject
<b>103-747 KS-19833, L1 Picture Monitor</b>			<b>103-810 117-Type Telegraph Stability Test Sets</b>		
103-747-000	1	Instruction Manual	103-810-100	3	Description, Operation, and Maintenance
<b>103-748 KS-19763, L1 Oscilloscope</b>			<b>103-811 118-Type Telegraph Transmission Measuring Sets</b>		
103-748-000	2	Video Test Sets	103-811-000	1	Translating, Recording, Reporting and Interpreting
103-748-801	2	Waveform Oscilloscope — Description, Operation, and Maintenance	103-811-100	2	Principles
<b>103-8 Telegraph and Teletypewriter Testing Apparatus and Tools</b>			103-811-101	1	118A1 and B1 — Description
<b>103-800 1A and 1B Teletypewriter Test Sets</b>			103-811-102	1	118C1 — Description
103-800-100	1	Description and Principles of Operation	103-811-103	3	118C3 and 118C4 — Description
103-800-400	1	Wiring Diagram	103-811-503	2	118C3 and 118C4 — Operation
103-800-500	1	Test Methods	<b>103-812 119-Type Telegraph Signal Sets</b>		
103-800-700	1	Requirements and Adjustments	103-812-100	1	119A Biasing Set — Description
103-800-701	1	Lubrication	103-812-101	1	119B Biasing Set — Description
103-800-800	1	Parts	103-812-102	2	119C1 Distorting Set — Description
<b>103-802 6A Distributor</b>			103-812-500	3	119A Biasing Set — Operation
103-802-100	1	Description	103-812-501	1	119B Biasing Set — Operation
<b>103-804 100A Teletypewriter Test Distributor</b>			<b>103-813 911-Type Data Test Sets</b>		
103-804-100	2	Description	Addendum	1	
103-804-400	1	Wiring Diagram	103-813-100	3	A, B, and C — Description, Operation, and Maintenance
<b>103-806 110-Type Multiple Sender for Teletypewriter Test Signals</b>			103-813-101	1	911D Type Distortion Measuring Set — (J79911D)
103-806-100	1	110A-1 — Description	103-813-102	1	911E Distortion Measuring Set — Description and Operation
103-806-101	2	110-B-1 — Description	103-813-103	2	911F Distortion Measuring Set — Description and Operation
103-806-102	2	110-C-1 — Description	103-813-104	2	911G Test Sentence Generator — Description and Operation
103-806-104	2	110E1 — Description and Operation	103-813-105	1	911J Data Signal Distorting Set — Description and Operation
103-806-500	1	110-A-1 — Operation	103-813-106	1	911K-Type Exclusion Unit — Description and Operation
<b>103-808 X-75041 Telegraph Transmission Measuring Set</b>			103-813-107	1	911M Multiclock Unit — Description and Operation
103-808-100	2	Description	103-813-110	1	911NA — Description and Operation
			103-813-111	1	911P EIA Test Adapter — Description and Operation
			103-813-502	1	911E Distortion Measuring Set — Tests



Number	Issue	Subject	Number	Issue	Subject
103-813-503	3	911F Distortion Measuring Set — Tests	<b>103-821 1161A Telegraph Station Test Set</b>		
103-813-504	2	911G Test Sentence Generator — Tests	103-821-100	2	Description
103-813-505	1	911J Data Signal Distorting Set — Tests	<b>103-822 163E1 Orientation Testing Indicator</b>		
103-813-510	1	911NA — Maintenance and Tests	103-822-100	1	Description
			103-822-500	2	Operation
<b>103-814 918-Type Teletypewriter Speed and Code Converter</b>			<b>103-823 164-Type Telegraph Transmission Measuring Set</b>		
103-814-100	1	918A — Description and Operation	103-823-100	4	164C1 — Description and Principles of Operation
103-814-101	1	918B — Description and Operation	103-823-101	2	164C2, 164C3, and 164C4 — Description and Principles of Operation
103-814-301	1	918B — Maintenance	103-823-102	1	164C2 — Routine Calibration
103-814-501	1	918B — Test Procedures	103-823-103	1	164C3 and C4 — Description
			103-823-500	1	164C1 — Calibration and Test Methods
<b>103-815 Bias Measuring Arrangement for Telegraph Boards</b>			103-823-501	1	164C2, 164C3, and 164C4 — Calibration and Test Methods
103-815-100	1	Description			
<b>103-817 Hit Indicators and Suppressors</b>			<b>103-824 165-Type Test Sets</b>		
103-817-100	2	162A1 and 162B1 Hit Indicators — Description	103-824-100	2	165A1 and 165A2 for Testing 143A1 and 143A2 Regenerative Repeaters — Description
103-817-101	1	Neon Plug-Type Hit Indicator — Description	103-824-101	4	165B1 for Testing 144-Type Coupling Units and 96A1 Electronic Loop Repeater — Description
103-817-102	2	108A1 Hit Suppressor Unit — Description	103-824-102	7	165C1 for Testing 43A1 VFCT System — Channel Terminals — Description and Operation
103-817-500	2	162A1 and 162B1 Hit Indicators — Operation	Addendum	7	
<b>103-818 SC1 Signal Condition Indicators</b>			103-824-501	5	165B1 for Testing 144-Type Coupling Units and 96A1 Electronic Loop Repeater — Operation
103-818-100	1	Teletypewriter — Description	103-824-502	4	165C1 for Testing 43A1 VFCT System — Channel Terminals — Test Procedures Reference
103-818-101	1	Stelma SC1-6			
103-818-200	1	Teletypewriter — Installation	<b>103-825 Telegraph Carrier Test Set</b>		
<b>103-819 Signal Quality Monitor</b>			103-825-100	2	KS-19935 Telegraph Carrier Test Set
103-819-100	2	Data Quality Monitors — DQM-8 Series — Description, Installation, and Maintenance			
<b>103-820 160A1 Carrier Telegraph Test Set</b>					
103-820-100	2	Description			

Number	Issue	Subject
<b>103-830 The STATC-2 TWX Station Automatic Test Cord</b>		
103-830-100	2	Description
<b>103-831 TWX Station Automatic Data Test Line Circuit</b>		
103-831-100	1	Description
103-831-500	1	Test Procedures
<b>103-832 6A Automatic Station Test Circuit For Private Line Telegraph</b>		
103-832-100	1	Description of Equipment
103-832-500	1	Method of Operation
<b>103-835 TSDS® (Telegraph Signal Distorting Sets)</b>		
103-835-100	1	TSDS-1H — Description
103-835-101	1	TSDS-1N — Description
<b>103-838 Programming Unit — Teletypewriter Test Signals</b>		
103-838-100	1	General Information
103-838-101	1	Description
103-838-102	1	Putts-14 — Figures and References

Number	Issue	Subject
<b>103-9 Picturephone Service</b>		
<b>103-900 Wideband Mobile Test Bay</b>		
ⓐ 103-900-100	1	X-76086 — Description
ⓐ 103-900-101	1	X-76097 — Description
ⓐ 103-900-500	1	X-76086 — Tests
ⓐ 103-900-800	1	X-76086 — Removal and Replacement Procedures
ⓐ 103-900-801	1	X-76097 — Removal and Replacement Procedures
<b>103-920 Telemet Model Test Signal Generator</b>		
① 103-920-100	1	613-Type — Description, Operation, and Maintenance
<b>103-925 Noise Measuring Sets</b>		
① 103-925-100	1	J94006J and J94006K — Description, Operation, and Maintenance
<b>103-930 Cable Equalizer Test Set J1C150K</b>		
Addendum	1	
① 103-930-100	2	Description and Operation
① 103-930-101	1	942A Equalizer — Description
<b>103-935 J1C150L Cable Equalizer Fault Location Test Set</b>		
① 103-935-100	2	Description and Operation

**Division 104****Radio Test Equipment**

- 104-0 Index and Equipment Test List
- 104-1 Signal Generators, Oscillators, Oscilloscopes, Meters, and Test Sets
- 104-2 Attenuators, Detectors, Impedance Matching Devices and Nonmicrowave Test Sets
- 104-3 FM Terminal, Visual Delay, and Protection Switching Test Sets
- 104-4 Microwave Test Bays, Sets, and Benches
- 104-5 Single-Sideband Microwave Radio Test Equipment
- 104-6 Digital Microwave Radio Test Equipment

Number	Issue	Subject
<b>104-0 Index and Equipment Test List</b>		
<b>104-000 Index</b>		
104-000-000	8	Numerical Index — Division 104 — Radio Test Equipment
<b>104-011 Equipment Test List</b>		
104-001-011	8	Microwave Radio
<b>104-1 Signal Generators, Oscillators, Oscilloscopes, Meters, and Test Sets</b>		
<b>104-100/103 Signal Generators</b>		
<b>KS-5782 L1 Signal Generator (TD-2)</b>		
104-100-100	2	Description
104-100-300	2	Operation
104-100-500	2	Tests
<b>GENERAL RADIO* 605-B Signal Generator</b>		
104-101-100	1	Description

\* GENERAL RADIO is a registered trademark of General Radio

Number	Issue	Subject
❶ 104-101-300	1	Operation
❶ 104-101-500	1	Tests
<b>62A Signal Generator</b>		
104-102-100	1	Description
104-102-300	1	Operation
104-102-500	1	Tests
<b>63A Signal Generator</b>		
104-103-100	1	Description
104-103-300	1	Operation
104-103-500	1	Tests
<b>70-MHz Noise Generator, J99382G</b>		
104-104-000	1	Description, Operation, and Maintenance
<b>104-110/112 Oscillators</b>		
<b>291A Test Oscillator</b>		
104-110-100	2	Description
104-110-500	2	Tests
<b>KS-10361 Two-Tone Oscillator</b>		
104-111-100	2	Description
104-111-500	1	Tests
<b>33A Oscillator</b>		
104-112-000	2	Description, Operation, and Maintenance
<b>104-120/121 Oscilloscopes</b>		
<b>DuMont* 2567 Cathode Ray Oscillograph (TD-2)</b>		
104-120-000	1	Description, Operation, and Maintenance
<b>KS-15586 Oscilloscope (TD-2)</b>		
104-121-000	2	Description, Operation and Maintenance

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Number	Issue	Subject
<b>104-130/142 Meters</b>		
<b>Link 2051 Frequency Meter</b>		
104-130-100	1	Description
104-130-300	1	Operation
104-130-500	1	Tests
<b>Budelman Type 17 Frequency Meter</b>		
104-131-100	2	Description
Addendum	1	
104-131-300	2	Operation
104-131-330	2	Periodic Intervals
104-131-500	2	Maintenance
<b>Measurements Corp. Model 59 UHF Frequency Meter</b>		
104-132-000	1	Description, Operation and Maintenance
<b>GE ST-13A-WE Frequency Meter</b>		
104-133-100	2	Description
104-133-300	1	Operation
104-133-500	1	Tests
<b>Jones MICROMATCH*, Models 711N &amp; 711N2 Meter</b>		
104-134-000	2	Description, Operation and Maintenance
<b>71A Frequency-Power Meter (TE)</b>		
104-135-100	1	Description
104-135-300	1	Operation
104-135-500	1	Tests
<b>J68404D Broadband and Auxiliary Radio Channel Metering Test Set (TH)</b>		
104-136-000	1	Description and Maintenance
<b>J68404E Heater Supply Test Set (TH)</b>		
104-137-000	1	Description and Maintenance
<b>J68404F TWT Cathode Activity Test Set (TH)</b>		
104-138-000	1	Description and Maintenance

Number	Issue	Subject
<b>J68404T FM Terminal Metering Test Sets (TH)</b>		
104-139-000	1	Description and Maintenance
<b>Radio Specialty Model 1163 FM Deviation Meter</b>		
104-140-000	1	Description
<b>Gertsch Model FM-7 Frequency Meter and DM-3 Deviation Meter</b>		
104-141-000	1	Description
<b>General Radio Type 1862 Megohmmeter and TD-2 Capacitor Test Set</b>		
104-142-100	2	General
104-142-300	2	Operation
<b>104-2 Attenuators, Detectors, Impedance Matching Devices and Nonmicrowave Test Sets</b>		
<b>104-200/202 Attenuators</b>		
<b>ED-63927-01 Variable Waveguide Attenuator (TD-2)</b>		
104-200-500	3	ED-63927-01 and -70 — Tests
<b>DuMont 21-1CBA Coaxial RF Attenuator</b>		
104-201-000	1	Description, Operation and Maintenance
<b>20A and 20B Variable Waveguide Attenuator (TH-1)</b>		
104-202-500	2	Tests
<b>104-210/211 Detectors</b>		
<b>1AJ 1F Detector (TE)</b>		
104-210-100	1	Description
104-210-300	1	Operation
104-210-500	1	Maintenance
<b>1AJ Detector Modified Per ES-886600 (RCA TTR/TRR)</b>		
104-211-100	1	Description
104-211-300	1	Operation
104-211-500	1	Maintenance
<b>104-220 J68376C Impedance Matching Test Set (TJ)</b>		
104-220-000	1	Description and Maintenance

\* MICROMATCH is a registered trademark of Conrec Technology Corporation.

Number	Issue	Subject	Number	Issue	Subject
<b>104-230/232 Non-Microwave Test Sets</b>			<b>J68337G Linearity Test Set (TD-2 &amp; TJ) (Part of 37H FM Test Set)</b>		
<b>83A Test Set</b>			104-305-100	1	Description
104-230-100	1	Description	104-305-300	1	Operation
104-230-500	1	Maintenance	104-305-500	1	Maintenance
<b>J41625A Remote Power Control Unit</b>			<b>J68408A FM Terminal Test Set (TH)</b>		
104-231-100	1	Description	104-306-100	1	Description
104-231-500	1	Maintenance	104-306-300	1	Operation
<b>Scantlin Model 2225 Test Set</b>			Addendum	1	
Addendum	1		104-306-500	2	Maintenance
104-232-000	1	Description, Operation and Maintenance	<b>J68337J 3A FM Terminal Test Panel (TD3)</b>		
<b>104-3 FM Terminal, Visual Delay, and Protection Switching Test Sets</b>			104-307-100	2	Description
<b>104-300/307 FM Terminal Test Sets</b>			104-307-300	2	Operation
<b>J68337A FM Test Set (TD-2)</b>			104-307-500	2	Tests
104-300-100	3	Description	104-307-501	2	J68337K 70- or 74.13-MHz Deviation and Frequency Test Unit
104-300-300	3	Operation	104-307-502	2	J68337L 256- or 271-MHz Reference Oscillator
104-300-500	3	Maintenance	104-307-503	2	J68337M 70.2- or 74.3-MHz Calibration Oscillator
<b>J68337B Electronic Switch (TD-2) (Part of 37A FM Test Set)</b>			104-307-504	1	J68337N 1.05-MHz Oscillator
104-301-100	3	Description	104-307-505	1	J68337P Baseband Amplifier
104-301-300	2	Operation	104-307-506	1	J68337R Power Supply
104-301-500	3	Maintenance	<b>104-308 J99302BG Linearity Test Set (TL &amp; TM)</b>		
<b>J68337C Linearity Test Set (TD-2 &amp; TJ) (Part of 37A FM Test Set)</b>			104-308-100	1	Description
104-302-100	3	Description	104-308-500	1	Maintenance
104-302-300	2	Operation	<b>104-320 J68347A Visual Delay Set (TD-2)</b>		
104-302-500	3	Maintenance	104-320-000	1	General
<b>J68337H FM Terminal Test Set (TD-2)</b>			104-320-100	1	Description
104-303-100	2	Description	104-320-300	2	Operation
104-303-300	2	Operation	Addendum	1	
104-303-500	2	Maintenance	104-320-500	1	Maintenance
<b>J68337F FM Test Set (TD-2) (Part of 37H FM Test Set)</b>			<b>104-330/333 Protection Switching Test Sets</b>		
104-304-100	1	Description	<b>J68345K Initiator Test Set (TD-2)</b>		
104-304-300	2	Operation	104-330-000	1	General
104-304-500	4	Maintenance	104-330-100	1	Description
			104-330-300	1	Operation
			104-330-501	1	Electronically Regulated Power Supply

Number	Issue	Subject
104-330-502	2	Impedance Measurements
104-330-503	2	70 Mc Oscillator and Amplifier Adjustment
104-330-504	2	61 MHz Pilot Supply Tests
104-330-505	2	61-MHz Mixing Pad Loss
104-330-506	1	Noise Meter Amplifier Gain-Frequency Characteristic
104-330-507	1	Audio Noise Circuit Gain-Frequency Characteristic
104-330-508	1	Fade Level Calibration Using 70-Type Power Meter
104-330-509	1	Fade Level Calibration Using a Vacuum Tube Voltmeter
104-330-510	3	Overall Noise Calibration
104-330-511	1	Indicator Lamp Circuit Check
104-330-512	1	Initiator Load Circuit
104-330-520	2	Pilot Attenuator (AT1) Check
104-330-530	1	Voltage & Resistance Measurements
<b>J68381T Test Set (TD-3) (100A)</b>		
Addendum	1	
104-331-100	2	Description
Addendum	1	
104-331-300	4	Operation
104-331-500	4	General Test Information
104-331-501	2	J68381CD Voltmeter Circuit Maintenance
104-331-502	1	Drive A Circuit
104-331-503	1	Drive Circuit
104-331-504	1	Repetitive Drive Circuit
104-331-505	1	Switch Simulating Circuit
104-331-506	1	Inhibiting and Detecting Circuit
104-331-507	1	J68381CK, 63- and 70-MC Oscillator Circuit
104-331-508	2	J68381CL, 7- and 61-MHz Oscillator Circuit — J68381DR, 58.12- and 59.8-MHz Oscillator Circuit
104-331-509	1	J68381CM Lamp Drive Circuit
104-331-510	3	KS-19714, L1 Electronic Counter
104-331-511	3	KS-19714, L4 Time Interval Plug-In Unit
104-331-512	3	KS-19714, L5 Frequency Converter Plug- In Unit
104-331-513	3	KS-19711, L1 Oscillator
104-331-514	3	KS-19698, L1 or L5 Power Meter
104-331-515	3	KS-19698, L4 Thermistor Mount or KS- 19698 L6 Thermocouple Mount

Number	Issue	Subject
104-331-516	1	J87207B Rectifier Circuit
104-331-517	1	HEWLETT-PACKARD* 5248L or KS-19714, L6 (HEWLETT-PACKARD H45/5248L) Electronic Counter — Maintenance
<b>J68412A Test Set (TH)</b>		
104-332-100	1	Description
104-332-300	1	Operation
104-332-500	3	Maintenance
<b>J68429AA Test Set</b>		
104-333-000	1	Description, Operation, and Maintenance

**104-4 Microwave Test Bays, Sets, and Benches**

**104-410/441 Test Sets**

**J68345A Transmitter-Receiver Set (TD-2)**

104-410-100	2	Description
104-410-300	5	Operation
104-410-500	6	Maintenance

**J6834ON Power Meter (TD-2, TH & TJ) (Part of 45A & 405A Test Set)**

104-411-100	1	Description
104-411-300	1	Operation
104-411-500	1	Maintenance

**J68345F Frequency Calibrator (TD-2)**

104-412-100	3	Description
104-412-300	3	Operation
104-412-500	3	Maintenance

**KS-15658 Noise Figure Test Set (TD-2)**

104-413-000	1	General
104-413-100	1	Description
104-413-300	1	Operation
104-413-500	3	Maintenance

\* HEWLETT-PACKARD is a registered trademark of Hewlett-Packard Company.

Number	Issue	Subject	Number	Issue	Subject
<b>J64001AK Tube Test Set (TD-2)</b>			<b>J68376B IF Test Set (TJ)</b>		
104-414-100	2	Description	104-421-000	2	Description, Operation and Maintenance
104-414-300	2	Operation			
104-414-330	3	J64001AK Tube Test Set — Trouble Tests	<b>Hewlett-Packard KS-16647 RF Test Set (TJ)</b>		
104-414-500	2	Maintenance	104-422-000	2	Description, Operation and Maintenance
<b>J68392A Transmitter-Receiver Test Set (TD-3 &amp; TH-3)</b>			<b>J68405A Transmitter-Receiver Test Set (TH)</b>		
104-415-000	1	Description and Operation	104-430-100	1	Description
104-415-300	1	Operation	104-430-300	2	Operation
104-415-501	2	Routine Maintenance	104-430-500	2	General
104-415-502	1	J87296A Power Supply	104-430-501	1	Power Supplies
104-415-504	1	KS-19975 IF Oscillator	104-430-502	2	RF Generator
104-415-505	1	RF and IF Sweep Control Unit	104-430-503	1	Sweep Generator
104-415-506	1	J68392C IF Amplifier	Addendum	1	
104-415-507	1	J68392F IF Detector Circuit	104-430-504	2	KS-15865 Oscillator (IF Generator)
104-415-508	2	KS-19974 RF Oscillator	104-430-505	1	Video Amplifier
104-415-509	1	RF Frequency Meter	104-430-506	2	97-kHz Oscillator
104-415-510	1	KS-19977 Frequency Counter	104-430-507	1	97-Kc Amplifier-Rectifier
104-415-511	2	KS-19976 Oscilloscope	104-430-508	1	Modulation Regulator
104-415-512	1	KS-19927 Noise Generator	Addendum	1	
104-415-513	1	KS-19978 Power Meter	104-430-509	1	Noise Figure Test Set
104-415-514	1	Maintenance — KS-20383 RF Oscillator	104-430-510	1	489A Network
<b>ED50978-10 Portable Test Arrangement</b>			104-430-511	1	RF Reflectometer
104-416-300	1	Operation	104-430-512	1	KS-15869 Oscilloscope
<b>J68428A Transmitter-Receiver Test Set</b>			104-430-513	2	RF Meter
104-417-000	1	Description and Operation	104-430-514	1	IF Meter
104-417-500	1	General	104-430-515	2	Miscellaneous Test Set Accessories
104-417-501	1	Routine Maintenance	104-430-516	1	KS-16532 Flexible Waveguide Return Loss Test
104-417-502	1	KS-20882 Oscilloscope	<b>J68415A Auxiliary Test Set (TH)</b>		
104-417-503	1	KS-20884 Frequency Counter	104-431-100	1	Description
104-417-504	1	KS-20625 Power Meter	104-431-500	4	Maintenance
104-417-505	1	KS-20626 IF/RF Sweep Oscillator	<b>J68414A DADE Test Set (TH)</b>		
104-417-506	1	Control Unit Maintenance	104-432-000	1	Description, Operation and Maintenance
104-417-507	1	KS-21444 Frequency Counter	<b>J99262AA Test Set (TL)</b>		
<b>J68376A Transmitter Disconnect Unit</b>			104-440-100	1	Description
104-420-000	1	Description, Operation and Maintenance	104-440-300	1	Operation
			104-440-500	1	Maintenance

Number	Issue	Subject
<b>Anritsu* ME645A Test Set</b>		
104-441-000	1	Field Calibration Service — Administration
<b>104-480/482 Test Benches</b>		
<b>J68333A Test Bench (TD-2)</b>		
104-480-100	2	Description
104-480-300	2	Operation
104-480-500	3	Maintenance
<b>J68848 Test Bench (TH)</b>		
104-481-100	1	General
104-481-101	1	AC Power Control and Distribution
104-481-102	1	6049-MC Frequency Generator Bay
104-481-103	2	Broadband Channel Radio Equipment
104-481-104	1	Auxiliary Channel Equipment
104-481-105	1	FM Terminal Transmitter Bay
104-481-106	1	FM Terminal Receiver Bay
104-481-501	1	AC Power Control and Distribution
104-481-502	3	6049-MHz Frequency Generator Bay
104-481-503	3	Broadband Radio Channel Equipment
Addendum	1	
104-481-504	1	Auxiliary Channel Equipment
104-481-505	1	FM Terminal Transmitter Bay
104-481-506	1	FM Terminal Receiver Bay
<b>J68396A Test Bench</b>		
104-482-100	1	Description
104-482-300	1	Operation
104-482-500	1	Maintenance

Number	Issue	Subject
<b>104-5 Single-Sideband Microwave Radio Test Equipment</b>		
<b>104-500 AR 6A Test Equipment</b>		
104-500-100	2	J68454C Scanning IM Test Module — J68454D Scanning IM Power Module — Description, Operation, and Maintenance — AR 6A Single-Sideband Radio System
104-500-101	1	Description, Operation, and Maintenance — AR 6A Single-Sideband Radio System
104-500-102	1	J87431B Test Load for J87431A TWT — Power Supply
<b>104-6 Digital Microwave Radio Test Equipment</b>		
104-600-001	1	202B, 202C 3-Tone Test Set — Calibration, Description, and Operation
104-600-002	1	General Telemetry Processor Simulator — User's Guide
■ 104-601-010	1	DR6/11-135EC Digital Radio System — Initial Setup Procedure for the HP 11758T Digital Radio Test System (DRTS)(7-92)

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**Division 105****PBX, Station, and Premises Distribution Test Equipment****105-0 Indexes****105-2 Test Sets — Station****105-6 PBX Test Equipment**

Number	Issue	Subject
<b>105-6 PBX Test Equipment</b>		
105-600-101	2	PBX Cord Circuit Test Set — SD-66484-01 (J54703A) — Description
105-601-501	1	Solid State Converter and Receiver Test Set SD-66890-01 (J58847M) — Operation Tests
105-602-101	2	PBX-ANI Data Link Test Set J59204AJ — Description and Operation

Number	Issue	Subject
<b>105-0 Index</b>		
105-000-000	25	Numerical Index — Division 105 — PBX and Station Test Equipment

**105-2 Test Sets — Station**

105-240-100	3	81A Test Set
105-241-100	3	AT-8629 — Test Probe
Addendum	2	
105-242-100	4	139-Type Test Sets (Line Tone Emitter)
105-245-100	2	145A Test Set
105-250-100	2	KS-21250, List 2A — Identification, Operation, Maintenance, and Ordering — Coin Crafts' Test Set
105-260-100	1	155B Test Set
105-270-100	1	KS-16990, List 1 Test Set
105-280-100	2	24A Loop Checker
105-290-100	2	J53054A Telephone Test Set — Identification, Installation, Operation, Calibration, and Maintenance

**Division 106**

**Electrical Test Equipment Outside Plant**

**106-0 Index, Equipment Test List, and Test Sets**

- 000 Index
- 001 Equipment Test List
- 020 Test Sets — General

**106-2 Test Equipment**

- 210 Amplifier
- 220 Volt and Ohm Meters
- 230 Bridge — Portable

**106-3 Test Equipment — Cable**

- 300 Cable — General
- 310 Cable Conductor Identification
- 315 Cable Conductor Identification — Main Distributing Frames
- 320 Cable Transfer
- 340 Cable Faults
- 350 Location of Buried Plant
- 360 Buried Plant Faults
- 370 Coaxial Cable
- 380 Capacity Unbalance
- 450 Multiple Line Wire

Number	Issue	Subject
106-020-112	2	AT-7888 List 1A Test Set — Speaker Set
106-020-113	5	1013B Handset — Description, Use, and Maintenance
106-020-114	2	100 Type Communication Sets — Description and Use
106-020-120	2	84A — Description and Use
106-020-135	2	AT-8465 L1A — For D Pressure Transducer — Description and Maintenance
■ 106-020-136	1	"77 Type Tone Test Set (Tracer) and 200 Type Inductive Amplifier - Fact Sheet

**106-2 Test Equipment**

**106-210 Amplifiers**

106-210-100	1	107-A and 108-A Amplifiers — Description and Maintenance
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**106-220 Volt and Ohm Meters**

106-220-100	2	KS-14725 Voltmeter — Description and Maintenance
106-220-105	2	Megger Test Sets — Low Voltage Types — Description and Maintenance
Addendum	1	
106-220-111	2	Megger Test Sets — High Voltage Types — Description

**106-230 Bridges — Portable**

106-230-100	3	KS-14959 Test Set (Portable Wheatstone Bridge) — Description and Maintenance
106-230-105	4	96A Test Set — Description and Maintenance

**106-3 Test Equipment — Cable**

**106-300 Cable, General**

106-300-100	6	91A Test Set — Description and Maintenance
106-300-108	2	B Wire Connector Test Clip — Description and Use
106-300-115	1	B Transfer Cord — Description and Use

Number	Issue	Subject
<b>106-0 Index, Equipment Test List, and Test Sets</b>		
<b>106-0 Index</b>		
106-000-000	65	Numerical Index — Division 106 — Electrical Test Equipment — Outside Plant
<b>106-001 Equipment Test List</b>		
106-001-011	5	ETL
<b>106-020 Test Sets — General</b>		
106-020-100	2	KS-8455 — Description and Use
106-020-111	3	Telephone Sets — Description and Use

Number	Issue	Subject	Number	Issue	Subject
106-300-120	1	Wilcom* Model T124 Shield Continuity Test Set — Description and Use	<b>106-340 Cable Faults</b>		
<b>106-310 Cable Conductor Identification</b>			106-340-105	4	99B, 95C and 110A Test Sets — Description and Maintenance
106-310-100	2	Test Boards — Description and Use	106-340-110	2	Open Fault Locator — Delcon 4910F — Description and Maintenance
106-310-105	2	Needle Point Test Pick — Description and Use	106-340-115	4	101- and 105-Type Sets — Description and Maintenance
106-310-115	4	71- and 72-Type Test Sets — Description and Maintenance	<b>106-350 Location of Buried Plant</b>		
106-310-116	1	120A Test Set	106-350-100	2	93A-Type Test Set — Description
106-310-120	3	108A and 109A Test Sets	<b>106-360 Buried Plant Faults</b>		
106-310-122	1	CB Automatic Pair Identifier — Description and Maintenance	106-360-100	2	AT-7851, List 1A Test Set — Description
106-310-125	2	AT-8121 — L1A Test Set — Description	<b>106-370 Coaxial Cable</b>		
<b>106-315 Cable Conductor Identification — Main Distributing Frames</b>			106-370-105	3	13-Type Power Units — Description and Use
106-315-100	1	387B Plug — Description and Use	106-370-111	1	88A Test Set — Description and Maintenance
106-315-102	1	B Test Point — Description and Use	106-370-116	1	128 Test Set — Description and Maintenance
106-315-103	1	B Pair Identifier	<b>106-380 Capacity Unbalance</b>		
106-315-119	1	Multiple Pair Test Connectors for 302- and 303-Type Connectors	106-380-100	2	27A Oscillator — Description and Maintenance
106-315-120	2	B, C, and F Test Connectors — Description and Installation	<b>106-450 Multiple Line Wire</b>		
106-315-121	7	D, G, H, M, N, P, R, and T Test Connectors and 299A Test Adapter — Description and Use	106-450-100	1	111A Test Set
<b>106-320 Cable Transfer</b>			106-450-101	1	114A Test Set — Description and Maintenance
106-320-100	3	104A Test Set — Description and Maintenance			
106-320-110	2	Cut-Closed Set (AT-8241, L1A Test Set) — Description			

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**Division 107**

**Data and Teletypewriter Testing Equipment**

**107-0 Indexes, Equipment Test Lists, and General Information**

**107-1 Connecting, Switching, and Adapting Test Devices**

**107-2 Test Signal Pattern and Frequency Generators**

**107-3 Signal Evaluating and Measuring Sets**

**107-4 Single Generation and Evaluation Equipment**

**107-6 Digital Data System — Test Equipment**

**107-8 Teletypewriter Testing Equipment**

Number	Issue	Subject
<b>107-0 Indexes, Equipment Test Lists, and General Information</b>		
107-000-000	52	Numerical Index — Division 107 — Data and Teletypewriter Testing Equipment
Supplement	1	
107-001-011	1	Toll Type Equipment ETL
<b>107-1 Connecting, Switching, and Adapting Test Devices</b>		
107-100-100	3	901A and 901B Data Test Sets — Identification and Operation
Addendum	1	
107-101-100	4	914-Type Data Test Sets — Description and Operation
● 107-104-010	1	178A Test Set — Description and Operation
107-180-100	1	Bridging Devices — Description, Application, and Construction
107-180-101	1	Digital Signal Recording and Playback Using a Pulse Transmitter/Receiver — Description, Application, and Construction
107-180-102	1	Interface Test Adapter for Data Set 303- Type — Description, Application, and Construction

Number	Issue	Subject
107-180-103	1	Multiple Data Set 403D-Type Arrangement — Description, Application, and Construction Information
107-180-104	1	Wideband Data Test and Service Bay Connector Panel — Description, Application, and Construction Information

**107-2 Test Signal Pattern and Frequency Generators**

107-200-100	3	903-Type Data Test Sets — Description and Operation
Addendum	2	
107-201-100	2	905A and 905B Data Test Sets — DATASPEED Signal Generator — General Description and Principles of Operation
Appendix	1	905A and 905B Data Test Sets — DATASPEED Signal Generator — General Description and Principles of Operation
107-201-800	2	905A and 905B Data Test Set — DATASPEED Signal Generator — Parts
107-202-100	1	909A Test Oscillator Circuit — Description
107-202-500	1	909A Test Oscillator Circuit — Field Test and Alignment (1070, 1270, 2025, and 2225 Cycles)

**107-3 Signal Evaluating and Measuring Sets**

107-300-100	3	902-Type Data Test Sets — Description and Operation
■ 107-300-659	1	Configurator Toolkeeper Planning Guide
107-301-100	1	907A Data Test Set — Identification and Operation
107-302-100	2	906A Data Distortion Test Circuit — General Description and Operating Principles
Addendum	1	
107-302-500	1	906A Data Distortion Test Equipment — Test, Inspection, and Alignment
107-304-100	1	TTS-28 Portable Station Test Set — Description
107-304-500	1	TTS-28 Portable Station Test Set — Test Methods

Number	Issue	Subject	Number	Issue	Subject
107-305-100	2	F-58654 Portable Test Set for Acoustic and Inductive Couplers — Description and Operation	<b>107-8 Teletypewriter Testing Equipment</b>		
107-305-500	1	Testing Acoustically and Inductively Coupled Devices Using the F-58654 Test Set — Test Procedure	107-800-100	1	28 Stroboscopic Test Set — Description and Principals of Operation
<b>107-4 Signal Generation and Evaluation Equipment</b>			107-800-400	1	28 Stroboscopic Test Set — Wiring Diagram
▣ 107-400-100	4	912A Wideband Data Test Set — Description and Operation	107-800-500	1	28 Stroboscopic Test Set — Test Methods
107-401-100	2	913A Data Test Set — Identification and Operation	107-800-800	1	Stroboscopic Test Set (LLS) — Parts
107-402-100	4	921A Data Test Set — Description and Operation	① 107-801-100	1	Parallel Signaling Terminal Simulator (TSG803) — Description and Operation
107-402-500	3	921A Data Test Set — Maintenance	① 107-801-800	1	Parallel Signaling Terminal Simulator (TSG803) — Parts
<b>107-6 Digital Data System — Test Equipment</b>			① 107-802-100	1	TP323540 Line Monitor Test Set — Description and Operation
107-600-100	2	KS-20909 Data Test Set (Digital Transmitter) — Description and Operation	① 107-802-800	1	323540 Line Monitor Test Set — Parts
107-601-100	2	KS-20908 Data Test Set (Receiver) — Description and Operation	107-803-100	1	DATASPEED Test Set TSM-7725S for Data Test Center — Description and Operation
107-602-100	2	Digital Signaling Test Unit (DSTU) — Description, Operation, and Maintenance	107-803-300	1	DATASPEED Test Set TSM-7725S for Data Test Center — Illustration and Parts
107-605-100	1	KS-21899 — Description			
107-605-200	1	KS-21899 — Installation			
107-605-300	1	KS-21899 — Operation			
107-605-500	1	KS-21899 — Maintenance			

**Division 154**

**Power Systems Administration**

**154-0 Index and Administration**

- 000 Index
- 001 Administrative
- 002 Reviews

**154-1 Operation, Maintenance, and Standards for Network Services Division (NSD)**

- 100 DC Power Plants
- 101 AC Power Plants
- 102 Batteries
- 103 Alarms
- 104 Rectifiers
- 105 Operations Support Systems (OSS)

Number	Issue	Subject
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**154-0 Index and Administrative**

**154-000 Index**

154-000-000	14	Numerical Index — Division 154 — Power Systems Administration (5-95)
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**154-001 Administrative**

- 154-001-000AC 3 Network Power Management (7/94)
- Addendum 1
- 154-001-050 1 Power and Infrastructure Standards Manual
- 154-001-100AC 2 DC Power Plant Restoration

**154-002 Reviews**

- 154-002-000AC 2 Power System Reviews — Table of Contents
- Appendix 1AC 2 Power Administration Evaluation
- Appendix 2AC 2 Engineering and Operations — Review Notes
- Supplement 1 Annual Power Systems Review Forms
- 154-002-010 2 Annual Power Systems Review (2-95)

Number	Issue	Subject
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**154-005 Solutions**

154-005-100AC	1	Solutions to Contaminated Utility Power and Power Outages
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**154-1 Operation, Maintenance, and Standards for Network Services Division (NSD)**

**154-100 DC Power Plants**

- 154-100-101 1 415A DC Power Plant — Operation and Maintenance
- 154-100-110 1 LINEAGE® 2000 MCS Controller DC Power Plant — Operations and Maintenance
- 154-100-113 1 LINEAGE® 2000 ECS Controller DC Power Plant — Operations and Maintenance (12-94)
- 154-100-116 1 LINEAGE® 2000 XCS Controller DC Power Plant — Operations and Maintenance (9-94)
- 154-100-120 1 LINEAGE® 2000 CCS Controller DC Power Plant — Operations and Maintenance (12-94)

**154-101 AC Power Plants**

- 154-101-101 1 Diesel Engine Alternators Non-KS Stationary and Portable Preventive Maintenance (4-93)

**154-102 Batteries**

- 154-102-101 2 DC Plant Batteries Maintenance Manual (6-94)

**154-103 Alarms**

- 154-103-101 3 Alarm Standards Manual (2-95)
- 154-103-105 1 NJ00508 Alarm System Trouble Sectionalization Aid
- 154-103-110 1 BECAS User's Manual (5-95)
- 154-103-111 1 BECAS Engineering and Installation Manual (5-95)

**154-104 Rectifiers**

- 154-104-110 1 LINEAGE 2000 J85502 and J85503 60 Hz Rectifiers — Operations and Maintenance Manual

Number	Issue	Subject
■ 154-104-111	1	LINEAGE 2000 J87434 through J87439 Rectifiers — Operation and Maintenance Manual

#### 154-105 Operations Support Systems (OSS)

■ 154-105-101	1	Work Management System (WMS) — Power System User's Guide Routines Implementation (3-93)
■ 154-105-110	3.1	Power Quality Resource Systems (PQRS) — User Guide (12-94)
■ 154-105-115	2	Power Tool (PTOOL) User's Guide (5-95)

#### 154-999 Non-AT&T Manufactured Power Equipment

■ 154-999-001	1	Non-AT&T Manufactured Converter Plants Routine Maintenance Intervals (10-94)
■ 154-999-003	1	Non-AT&T Manufactured Inverter Plants Routine Maintenance Intervals (10-94)

**Division 155**

**Alternators, Engine-Alternators, Gas Turbine Alternators,  
Tone Alternators, Tone Machines,  
Ringing and Coin Control Generators,  
Charging Generators and Motor-Generators**

**155-0 Index, Equipment Test Lists, Commercial Power Failure, Operating Instruction Charts, Automatic Control Units, and Portable Test Set**

**155-1 Alternators and Engine-Alternators**

**155-2 Gas Turbine Alternators**

**155-3 Tone Alternators and Tone Machines**

**155-4 Ringing and Coin Control Generators**

**155-5 Charging Generators**

**155-6 Motor-Generators**

Number	Issue	Subject
<b>155-0</b>		<b>Index, Equipment Test Lists, Commercial Power Failure, Operating Instruction Charts, Automatic Control Units, and Portable Test Set</b>

**155-000 Index**

155-000-000	42	Numerical Index — Division 155 — Alternators, Engine-Alternators, Gas Turbine Alternators, Tone Alternators, Tone Machines, Ringing and Coin Control Generators, Charging Generators and Motor-Generators
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**155-001 Equipment Test Lists**

155-001-011	8	Alternators, AC or DC Motor Driven — Power Systems Equipment
155-001-012	18	Gasoline Engine Driven Alternators — Power Systems
155-001-013	18	Diesel Engine Driven Manual Alternators — Power Systems

Number	Issue	Subject
Addendum	1	
155-001-014	9	Diesel Engine Driven Automatic Alternators — Power Systems
155-001-015	15	Gas Turbine Engine Driven Alternators — Power Systems
155-001-016	10	Main Control Cabinet — Power Systems Equipment
155-001-017	6	Charging Generators — Power Systems Equipment
155-001-018	7	Ringing and Coin Control Generators — Power Systems Equipment

**155-002 Commercial Power Failure — Power Plant Tests and Logs — Emergency Engine Sets**

155-002-010	1	Log of Operations
■ 155-002-010AC	1	Log of Operation for Engine Alternator Sets

**155-003 Commercial Power Failure — Power Plant Tests and Logs — Power Systems — Engineering and Operational Reviews**

155-003-000	2	Section 1 — General Instructions and Summary Procedures
155-003-001	2	Section 2 — Power Engineering and Operations Checklist
155-003-002	2	Section 3 — Building Engineering Checklist
155-003-003	2	Section 4 — Power Failure Simulation

**155-010 Operating Instruction Charts — Wall Charts**

155-010-300	13	Description, Availability, and Ordering Instructions — Engine-Alternator
-------------	----	--

**155-020 ED-82846-30 Automatic Fuel Pump Control Unit — For 900-Type Power Plant — Auxiliary Fuel Pumping Systems**

155-020-105	1	Operating Methods
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**155-020 J86634A Automatic Solid-State Control Unit— For Reserve Diesel Engine-Alternator Plants**

Addendum	1	
155-020-501	1	Tests and Inspection



Number	Issue	Subject	Number	Issue	Subject
Addendum	1		<b>155-108 KS-5654 and KS-5654-01 AC-DC Motor-Alternators</b>		
155-020-701	2	Requirements and Adjusting Procedures	155-108-701	2	Requirements and Adjusting Procedures
<b>155-021 J86638A Automatic Solid-State Control Unit— For Reserve Gas Turbine Engine-Alternator Plants</b>			Addendum	1	
155-021-501	1	Inspection and Test	155-108-801	1	Replacement Parts and Procedures
Addendum	1		<b>155-109 KS-15994 Motor-Alternator</b>		
155-021-701	1	Requirements and Adjusting Procedures	155-109-701	2	Requirements and Adjusting Procedures
<b>155-022 J86742A Automatic Controller — Automatic Paralleling and Load Management for Reserve Engine-Alternator Plants</b>			155-109-801	2	Replacement Parts and Procedures
155-022-501	3	Inspection, Operation, and Routine Tests	<b>155-110 KS-5715 Motor-Driven Emergency Alternators</b>		
155-022-701	1	Trouble-Locating Procedures	155-110-701	3	Requirements and Adjusting Procedures
<b>155-023 J86743A Universal Engine Controller</b>			155-110-801	1	Replacement Parts and Procedures
155-023-501	2	Operation, Inspection, and Trouble Analysis Utilizing the 181A Test Set	<b>155-112 KS-15520 and KS-15626 Motor-Alternators</b>		
<b>155-023 181A Portable Test Set</b>			Addendum	1	
155-023-701	1	Description, Operation, and Trouble Analysis	155-112-701	5	Requirements and Adjusting Procedures
<b>155-1 Alternators and Engine-Alternators</b>			Addendum	1	
<b>155-105 Alternators — Commercial Type</b>			155-112-801	4	Replacement Parts and Procedures
155-105-101	2	Description	<b>155-113 KS-15823 Alternator — With Compensating and Gap Circuits</b>		
155-105-301	5	Operating Methods	155-113-701	1	Requirements and Adjusting Procedures
155-105-701	6	Requirements and Adjusting Procedures	155-113-801	1	Replacement Parts and Procedures
155-105-801	3	Replacement Parts and Procedures	<b>155-115 KS-15844 Alternator and Voltage Regulator</b>		
<b>155-107 KS-15993 Motor-Alternator</b>			155-115-301	2	Operating Methods
155-107-701	2	Requirements and Adjusting Procedures	Addendum	1	
155-107-801	2	Replacement Parts and Procedures	155-115-701	1	Requirements and Adjusting Procedures
			155-115-801	2	Replacement Parts and Procedures

Number	Issue	Subject
<b>155-117 KS-15949 Alternator and Voltage Regulator</b>		
155-117-301	1	Operating Methods
Addendum	1	
155-117-701	2	Requirements and Adjusting Procedures
155-117-801	1	Replacement Parts and Procedures

<b>155-118 KS-15986 Motor-Alternator</b>		
Addendum	1	
155-118-701	2	Requirements and Adjusting Procedures
155-118-801	1	Replacement Parts and Procedures

<b>155-119 KS-15991 Motor-Alternator L1 and L2</b>		
155-119-701	2	Requirement and Adjusting Procedures
155-119-801	1	Replacement Parts and Procedures

<b>155-120 KS-5467 and KS-5508 High Speed Gasoline Engine Driving Alternators</b>		
155-120-301	1	"BTU" Type — Operating Methods
155-120-701	2	"BTU", WXLC3, L525 Types — Requirements and Adjusting Procedures
155-120-801	1	"BTU", L525, WXLC3 Types — Replacement Parts and Procedures

<b>155-122 KS-5518 Gasoline Engine-Alternator Sets — Schramm* Types</b>		
155-122-301	2	Operating Methods
155-122-701	2	Requirements and Adjusting Procedures
155-122-801	1	Replacement Parts and Procedures

Number	Issue	Subject
<b>KS-5565 Engine Alternator — Portable, 10 KW AC for Trailer Mounting — U.S. Motor Corp.</b>		
155-124-301	1	Operating Method
Addendum	1	
155-124-701	1	Requirements and Adjusting Procedures
155-124-801	1	Replacement Parts and Procedures

<b>155-126 KS-5565 Gasoline Engine-Alternators — 10 KW — D. W. Onan &amp; Sons, Incorporated</b>		
155-126-301	1	Operating Methods
Addendum	1	
155-126-701	1	Requirements and Adjusting Procedures
155-126-801	1	Replacement Parts and Procedures

<b>155-128 KS-5574 and KS-5574-01 Diesel Engine-Alternators</b>		
155-128-101	2	General Motors — Series 71 Sets — Description
155-128-301	6	General Motors — Series 71 Sets — Operating Methods
155-128-302	3	20 KW — Stationary and Portable — Operating Methods
155-128-303	5	30, 40, and 60 KW Manually Controlled — Stationary and Portable — Operating Methods
Addendum	4	
155-128-701	4	General Motors — Series 71 Sets — Requirements and Adjusting Procedures
Addendum	4	
155-128-702	3	20 KW — Manually Operated — Stationary and Portable — Requirements and Adjusting Procedures
155-128-703	5	30, 40, and 60 KW — Manually Controlled — Stationary and Portable — Requirements and Adjusting Procedures
155-128-801	4	General Motors — Series 71 Sets — Replacement Parts and Procedures
155-128-802	1	20 KW — Stationary and Portable — Replacement Parts and Procedures

\* Schramm is a registered trademark of Schramm Inc.

Number	Issue	Subject	Number	Issue	Subject
155-128-803	1	30, 40, and 60 KW — Stationary Portable — Replacement Parts and Procedures	<b>155-138 KS-5665 Diesel Engine-Alternator — 150, 200, and 300 KW</b>		
<b>132-301 KS-5602 Engine-Alternator Set — List 01 — 5 KVA — 4 KW</b>			155-138-301	4	Operating Methods
155-132-301	1	Operating Methods	Addendum	3	
Addendum	1		155-138-701	4	Requirements and Adjusting Procedures
155-132-701	1	Requirements and Adjusting Procedures	<b>155-139 KS-5666 and KS-5666-01 Diesel Engine-Alternators</b>		
155-132-801	2	Replacement Parts and Procedures	Addendum	1	
<b>155-134 KS-5636 Gasoline Engine-Alternator — L1 — Automatically Controlled</b>			155-139-301	1	Lists 1 and 2 — Manually Controlled — Operating Methods
155-134-301	1	20 KW AC — Single Phase — Operating Methods	155-139-302	1	10 KW AC — Manually Controlled — Operating Methods
155-134-302	3	20, 30, 40, 50, and 60 KW AC Three Phase and 20 KW Single Phase Using 32-Volt Battery for Starting and Control — Operating Methods	Addendum	3	
Addendum	1		155-139-701	2	10 KW Commercial Type — Requirements and Adjusting Procedures
155-134-701	2	20 KW AC — Single Phase Using 16-Volt Battery for Starting and Control — Requirements and Adjusting Procedures	Addendum	3	
Addendum	2		155-139-702	1	10 KW AC — Manually Controlled — Requirements and Adjusting Procedures
155-134-702	3	20, 30, 40, 50, and 60 KW AC — Three Phase and 20 KW Single Phase Using 32-Volt Battery for Starting and Control — Requirements and Adjusting Procedures	<b>155-141 KS-5667 and KS-5667-01 Gasoline Engine-Alternators — Automatically Controlled</b>		
155-134-801	1	20 KW AC — Single Phase Using 16-Volt Battery for Starting and Control — Replacement Parts and Procedures	155-141-301	1	3, 5, and 8 KW — Operating Methods
<b>155-136 KS-5664 Engine-Alternator — 15 KW — Automatically Controlled</b>			155-141-302	4	2.8, 4, and 8 KW — KS-5667-01 (Lists 1 to 5 Inclusive), and 10 KW — KS-15717 (List 1 and Lists 4 to 9 Inclusive) — J86622 Main Control Cabinet — Operating Methods
155-136-301	1	Operating Methods	155-141-303	2	2.8, 4, and 8 KW — Automatically or Manually Controlled — Operating Methods
Addendum	1		155-141-304	1	5 KW — Single Phase — 60 Cycle — Operating Methods
155-136-701	1	Requirements and Adjusting Procedures	Addendum	1	
			155-141-701	2	3, 5, and 8 KW — Requirements and Adjusting Procedures
			Addendum	1	
			155-141-703	2	2.8, 4, and 8 KW — Automatically or Manually Controlled — Requirements and Adjusting Procedures

Number	Issue	Subject
Addendum	1	
155-141-704	1	Lists 6 and 7 — 5 KW — Single Phase — 60 Cycle — Requirements and Adjusting Procedures
<b>155-145 KS-5750 Diesel Engine-Alternator — Automatically Controlled</b>		
Addendum	1	
155-145-301	3	20 KW AC — Operating Methods
Addendum	1	
155-145-302	4	30, 40, and 60 KW AC — Operating Methods
155-145-311	3	KS-5750, KS-15521, KS-15522, and KS- 15890 — 20 to 100 KW — J86621 Main Control Cabinet — Operating Methods
Addendum	2	
155-145-701	4	20 KW AC — Requirements and Adjusting Procedures
Addendum	2	
155-145-702	4	30, 40, and 60 KW AC — Requirements and Adjusting Procedures
<b>155-161 KS-15521 Diesel Engine-Alternator — Automatically Controlled</b>		
155-161-301	3	List 1, List 2, List 3, and List 4 — 20 KW — Operating Methods
Addendum	1	
155-161-302	3	List 10, List 11, and List 12 — Two Engine- Alternator Sets — Alternately Operated 20 KW Sets — Operating Methods
Addendum	3	
155-161-701	4	L1, L2, L3, and L4 — 20 KW — Intermittent Operation — Requirements and Adjusting Procedures
Addendum	1	
155-161-702	3	List 10, List 11, and List 12 — Two Engine- Alternator Sets — Alternately Operated 20 KW Sets — Requirements and Adjusting Procedures

Number	Issue	Subject
<b>155-165 KS-15622 Diesel Engine-Alternator</b>		
Addendum	1	
155-165-301	4	120 and 170 KW — Manually and Automatically Controlled — Operating Methods
Addendum	1	
155-165-311	2	30 to 60 KW — Automatically Controlled KS-5750 — 120 and 170 KW, KS-15622 — 30 to 100 KW, KS-15890 — J86624 Main Control Cabinet — Operating Methods
Addendum	6	
155-165-701	5	120 and 170 KW — Manually and Automatically Controlled — Requirements and Adjusting Procedures
<b>155-167 KS-15650 Gasoline Engine-Alternator — 5 KW — Portable-Onan Type</b>		
155-167-301	3	Operating Methods
Addendum	1	
155-167-701	2	Requirements and Adjusting Procedures
155-167-801	1	Replacement Parts and Procedures
<b>155-168 KS-19989 Gasoline Engine-Alternator — 5 KW — Portable-Onan Type</b>		
155-168-301	1	Operating Methods
Addendum	1	
155-168-701	1	Requirements and Adjusting Procedures
<b>155-170 KS-15700 Gasoline Engine-Alternator — 1.3 KW — Stationary — Automatically Controlled</b>		
155-170-301	1	Operating Methods
Addendum	1	
155-170-701	1	Requirements and Adjusting Procedures
<b>155-172 KS-15717 Diesel Engine-Alternator — 10 KW</b>		
155-172-300	3	L4, L5, L6, L7, L8, and L9 — Manually Controlled — Operating Methods

Number	Issue	Subject	Number	Issue	Subject
155-172-301	1	L1 — Automatically Controlled — Operating Methods	<b>155-176 KS-15884 Diesel Engine-Alternator — Manually Controlled</b>		
155-172-302	2	L11 — Automatically Controlled — Operating Methods	Addendum	1	
Addendum	3		155-176-301	2	30 KW — Operating Methods
155-172-700	3	L4 Through L9 — Manually Controlled — Requirements and Adjusting Procedures	155-176-302	3	45, 60, and 100 KW — Operating Methods
Addendum	3		155-176-701	6	L1, L2, L3, L4, L12, L13, and L14 — 30, 45, 60, and 100 KW — Requirements and Adjusting Procedures
155-172-701	1	L1 — Automatically Controlled — Requirements and Adjusting Procedures	155-176-801	1	30 KW — Replacement Parts and Procedures
Addendum	1		155-176-802	1	45, 60, and 100 KW — Replacement Parts and Procedures
155-172-702	3	L11 — Automatically Controlled — Requirements and Adjusting Procedures	<b>155-178 KS-15890 Diesel Engine-Alternator — 30, 45, 60, and 100 KW — Automatically Controlled</b>		
155-172-800	3	L4, L5, L6, L7, L8, and L9 — Manually Controlled — Replacement Parts and Procedures	Addendum	2	
155-172-801	1	L1 — Automatically Controlled — Replacement Parts and Procedures	155-178-301	3	Operating Methods
155-172-802	1	L11 — Automatically Controlled — Replacement Parts and Procedures	155-178-701	4	Requirements and Adjusting Procedures
<b>155-174 KS-15777 Diesel Engine-Alternator — 500 KW</b>			155-178-801	3	Replacement Parts and Procedures
155-174-301	3	L21, L22, L31, and L32 — Manually Controlled — Operating Methods	<b>155-180 KS-15899 Diesel Engine-Alternator — 350 KW</b>		
Addendum	1		155-180-301	2	L1, L2, L11, and L12 — Manually Controlled — Operating Methods
155-174-302	3	L23, L24, L33, and L34 — Automatically Controlled — Operating Methods	155-180-302	2	L3, L4, L13, and L14 — Automatically Controlled — Operating Methods
Addendum	3		Addendum	1	
155-174-701	3	Automatically and Manually Controlled — Requirements and Adjusting Procedures	155-180-701	4	Automatically and Manually Controlled — Requirements and Adjusting Procedures
155-174-801	1	L21, L22, L31, and L32 — Manually Controlled — Replacement Parts and Procedures	155-180-801	1	L1, L2, L11, and L12 — Manually Controlled — Replacement Parts and Procedures
155-174-802	1	L23, L24, L33, and L34 — Automatically Controlled — Replacement Parts and Procedures	155-180-802	1	L3, L4, L13, and L14 — Automatically Controlled — Replacement Parts and Procedures
<b>155-185 KS-15929 Diesel Engine-Alternator — 225 KW</b>					
			155-185-301	2	L1 and L11 — Manually Controlled — Operating Methods
			155-185-302	3	L2 and L12 — Automatically Controlled — Operating Methods

Number	Issue	Subject
155-185-701	4	Automatically and Manually Controlled — Requirements and Adjusting Procedures
155-185-801	1	L1 and L11 — Manually Controlled — Replacement Parts and Procedures
155-185-802	1	L2 and L12 — Automatically Controlled — Replacement Parts and Procedures

**155-187 KS-15954 Diesel Engine-Alternator — 350 KW**

155-187-301	2	L1, L2, L11, and L12 — Manually Controlled — Operating Methods
155-187-302	3	L3, L4, L13, and L14 — Automatically Controlled — Operating Methods
Addendum	4	
155-187-701	2	Automatically and Manually Controlled — Requirements and Adjusting Procedures
155-187-801	1	L1, L2, L11, and L12 — Manually Controlled — Replacement Parts and Procedures
155-187-802	1	L3, L4, L13, and L14 — Automatically Controlled — Replacement Parts and Procedures

**155-188 KS-19203 Motor-Alternator**

155-188-701	4	Requirements and Adjusting Procedures
155-188-801	2	Replacement Parts and Procedures

**155-189 KS-19587 Diesel Engine-Alternator — 115 KW**

Addendum	1	
155-189-301	3	L1 and L2 — Automatically and Manually Controlled — Operating Methods
Addendum	3	
155-189-701	3	L1 and L2 — Automatically and Manually Controlled — Requirements and Adjusting Procedures

**155-190 Battery Motor-Driven Alternator**

155-190-701	1	Control Equipment — Requirements and Adjusting Procedures
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Number	Issue	Subject
<b>155-191 KS-19583 — 30 KW and KS-19584 — 45 KW Diesel Engine-Alternators</b>		
Addendum	3	
155-191-301	1	Automatically and Manually Controlled — Operating Methods
Addendum	4	
155-191-701	2	Automatically Controlled — Requirements and Adjusting Procedures

**155-192 KS-19585 — 75 KW and KS-19586 — 115 KW Diesel Engine-Alternator**

Addendum	3	
155-192-301	1	Automatically and Manually Controlled — Operating Methods
Addendum	4	
155-192-701	2	Automatically Controlled — Requirements and Adjusting Procedures

**155-193 KS-20523 — 30 KW and KS-20524 — 45 KW Diesel Engine-Alternators — Manually Controlled or Field Converted Automatically Controlled**

155-193-301	2	Operating Methods
155-193-701	3	Requirements and Adjusting Procedures

**195-194 KS-20525 — 75 KW and KS-20526 — 115 KW Diesel Engine-Alternators — Manually Controlled or Field Converted Automatically Controlled**

155-194-301	2	Operating Methods
155-194-701	3	Requirements and Adjusting Procedures

**155-195 KS-20527 Diesel Engine-Alternator — 115 KW — Manually Controlled — Lists 1 Through 12**

155-195-301	1	Operating Methods
Addendum	3	
155-195-701	1	Requirements and Adjusting Procedures

Number	Issue	Subject	Number	Issue	Subject
<b>155-196 KS-22936 12/20 KW LINEAGE® 2000 — AC Reserve System (J86659)</b>					
155-196-101	1	Description	Addendum	1	
▲155-196-102	1	Maintenance	155-206-701	2	Lists 1 Through 4, 11, and 12 — Requirements and Adjusting Procedures
155-196-103	1	Lists 1, 2, 3, and 4 — Engineering and Installation Guidelines	155-206-702	1	Lists 101, 102, 111, 112, and Solid State Control Circuits Lists 115 and 116 — Requirements and Adjusting Procedures
<b>155-197 24/28/40 KW LINEAGE 2000 — AC Reserve System (J866557)</b>			<b>155-207 KS-20460 Gas Turbine Engine-Alternator — 2500 KW — Automatically or Manually Controlled</b>		
▲155-197-001	3	Maintenance	Addendum	1	
155-197-100	4	Description	155-207-301	2	List 1 Through 8 — Operating Methods
<b>155-199 Diesel Engine-Alternators — Manually Controlled — Fairbanks, Morse and Company — 350 Through 550 KW</b>			Addendum	1	
■ 155-199-301AC	1	Operating Methods	155-207-701	2	List 2 and Lists 4 Through 8 — Requirements and Adjusting Procedures
■ 155-199-701AC	1	Requirements and Adjusting Procedures	<b>155-208 KS-21501 Gas Turbine Engine-Alternator — L1 Through L4, L7, L12, L13, and L26 — 750 KW (Base)/900 KW (Peak) — Automatically or Manually Controlled</b>		
<b>155-2 Gas Turbine Alternators</b>			Addendum	1	
<b>155-202 KS-15992 Gas Turbine Engine-Alternator — 750 KW Automatically or Manually Controlled</b>			155-208-301	1	Operating Methods
Addendum	1		Addendum	1	
155-202-301	3	Operating Methods	155-208-701	1	Requirements and Adjusting Procedures
155-202-701	4	Requirements and Adjusting Procedures	<b>155-209 KS-21264 Gas Turbine Engine-Alternator — Lists 1 Through 4 — 435/500 KW Automatically or Manually Controlled</b>		
<b>155-205 KS-19896 Gas Turbine Engine-Alternator — L1 Through L4, L15, and L16 — 200 KW — Automatically or Manually Controlled</b>			155-209-301	2	Operating Methods
155-205-301	3	Operating Methods	155-209-701	2	Requirements and Adjusting Procedures
155-205-701	4	Requirements and Adjusting Procedures	<b>155-210 KS-21879 Gas Turbine Engine-Alternator — Lists 1 Through 4 — 1250/1500 KW Automatically or Manually Controlled</b>		
<b>155-206 KS-20542 Gas Turbine Engine-Alternator — 200 KW — Automatically or Manually Controlled</b>			155-210-301	1	Operating Methods
Addendum	1		155-210-701	1	Requirements and Adjusting Procedures
155-206-301	1	Lists 1 Through 4, 11, and 12 — Operating Methods			
155-206-302	1	Lists 101, 102, 111, and 112 and Solid State Control Circuits Lists 115 and 116 — Operating Methods			

Number	Issue	Subject
<b>155-211 KS-22673 Turbine Engine-Driven Alternator — Lists 1 Through 8 — 750/900 KW Automatically or Manually Controlled</b>		
Addendum	1	
155-211-301	1	Operating Methods
Addendum	1	
155-211-701	1	Requirements and Adjusting Procedures
<b>155-212 KS-22719 30 KW or 45 KW and KS-22720 75 KW or 115 KW — Diesel Engine-Alternator — Automatically Controlled</b>		
155-212-301	2	Operating Methods
155-212-701	2	Requirements and Adjusting Procedures
<b>155-3 Tone Alternators and Tone Machines</b>		
<b>155-307 KS-5286 Tone Alternator</b>		
155-307-101	2	Description
155-307-701	4	Requirements and Adjusting Procedures
155-307-801	5	Replacement Parts and Procedures
<b>155-310 A. E. Inc. Class of Service Tone Machines</b>		
155-310-701	2	Requirements and Adjusting Procedures
<b>155-320 404F Audible Ring Tone Generator</b>		
155-320-301	1	Operating Procedures
<b>404G Preempt Tone Generator</b>		
155-321-301	1	Operating Procedures
<b>155-322 404A, 404B, 404C, and 404D Dial Tone Generators</b>		
155-322-301	1	Operating Procedures
<b>155-323 Precise Busy Tone Supply — J86845A (4-Wire Voice/Record Network) J86845B (Basic 911 Emergency Service)</b>		
155-323-301	3	Operating Procedures

Number	Issue	Subject
<b>155-4 Ringing and Coin Control Generators</b>		
<b>155-405 Ringing and Coin Control Generators — P-Type</b>		
155-405-101	1	Description
155-405-301	1	Operating Methods
155-405-701	3	Requirements and Adjusting Procedures
155-405-801	4	Replacement Parts and Procedures
<b>155-410 Ringing and Coin Control Generator — Commercial Type</b>		
155-410-101	2	Description
Addendum	2	
155-410-701	5	Motor-Driven — Requirements and Adjusting Procedures
155-410-801	4	Motor-Driven — Replacement Parts and Procedures
<b>155-415 Static Ringing Generators</b>		
Addendum	1	
155-415-701	6	Requirements and Adjusting Procedures
<b>155-416 Solid State Ringing Generators — J29182A-50 — No. 5 Crossbar</b>		
155-416-701	1	Operation, Requirements, and Adjusting Procedures
<b>155-420 KS-15815 Ringing Generator — Vibrator-Type</b>		
155-420-701	2	Requirements and Adjusting Procedures
<b>155-425 KS-15816 Ringing and Coin Control Generators — Motor-Driven</b>		
Addendum	1	
155-425-701	1	Requirements and Adjusting Procedures
Addendum	1	
155-425-801	1	Replacement Parts and Procedures



Number	Issue	Subject	Number	Issue	Subject
<b>155-5 Charging Generators</b>			155-516-701	2	Requirements and Adjusting Procedures
<b>155-505 Charging Generators — M-Type</b>			155-516-801	2	Replacement Parts and Procedures
155-505-701	3	Requirements and Adjusting Procedures	<b>155-520 KS-5530 Engine Generator — 1.5 KW DELCO</b>		
155-505-801	2	Replacement Parts and Procedures	155-520-301	2	Operating Methods
<b>155-508 .850 KW and 2.5 KW DELCO* Charging Sets — Per KS-5042</b>			155-520-701	3	Requirements and Adjusting Procedures
155-508-301	1	Operating Methods	155-520-801	1	Replacement Parts and Procedures
155-508-701	2	Requirements and Adjusting Procedures	<b>155-522 KS-5542 Engine Generator — 6 KW DELCO</b>		
<b>155-510 22-40 Volt and 125-135 Volt; 1.25 KW DELCO Charging Sets — Per KS-5115 and KS-5116</b>			155-522-301	1	Operating Methods
155-510-701	2	Requirements and Adjusting Procedures	155-522-701	2	Requirements and Adjusting Procedures
<b>155-512 Charging Generators — Commercial Type — Per KS-5123 and KS-5137</b>			<b>155-525 KS-5630 Engine Generator — 1.5 KW — Kerosene</b>		
155-512-101	1	Description	155-525-301	1	Operating Methods
Addendum	3		155-525-701	1	Requirements and Adjusting Procedures
155-512-701	7	Motor-Driven — Requirements and Adjusting Procedures	155-525-801	1	Replacement Parts and Procedures
155-512-801	5	Motor-Driven — Replacement Parts and Procedures	<b>155-6 Motor-Generators</b>		
<b>155-514 Engine-Generator Sets — Buffalo Type "BA"</b>			<b>155-605 Motor-Generators — 135-Cycle Signaling, 10.5 and 40 Watt</b>		
155-514-301	2	Operating Methods	155-605-101	2	Description
155-514-701	3	Requirements and Adjusting Procedures	155-605-701	4	Requirements and Adjusting Procedures
155-514-801	2	Replacement Parts and Procedures	155-605-801	4	Replacement Parts and Procedures
<b>155-516 KS-5142 Engine Generator — 1.5 KW WESTINGHOUSE† — Kerosene</b>			<b>155-608 Motor-Generator — 1000-Cycle Signaling</b>		
155-516-101	1	Description	155-608-101	2	Description
155-516-301	2	Operating Methods	155-608-701	6	Requirements and Adjusting Procedures
			155-608-801	5	Replacement Parts and Procedures

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Number	Issue	Subject
<b>155-609 KS-5472 and KS-5472-01 — 1000-Cycle Machines</b>		
155-609-101	4	Description
155-609-701	2	Requirements and Adjusting Procedures
155-609-801	2	Replacement Parts and Procedures
<b>155-612 Charging Sets — Diverter Pole Type</b>		
155-612-701	4	Requirements and Adjusting Procedures
155-612-801	2	Replacement Parts and Procedures
<b>155-614 KS-5668-02 and KS-15834 Motor-Generators</b>		
Addendum	1	
155-614-701	3	Requirements and Adjusting Procedures
155-614-801	2	Replacement Parts and Procedures
<b>155-625 KS-15839 and KS-15842 Motor-Generators</b>		
Addendum	1	
155-625-701	4	Requirements and Adjusting Procedures
155-625-801	1	Replacement Parts and Procedures
<b>155-650 Multi-Frequency Motor-Generator Sets</b>		
155-650-701	2	Requirements and Adjusting Procedures
<b>155-651-701 Multi-Frequency Motor Generator Sets With Vacuum Tube Speed Regulator</b>		
155-651-701	1	Requirements and Adjusting Procedures

**Division 157**

**Batteries**

- 157-0 Index, Equipment Test Lists, and General Battery Equipment
  - 000 Index
  - 001 Equipment Tests Lists
  - 005 Battery Distribution Fuse Bays (BDFB)
  - 099 Customer Information Release (CIR)
- 157-2 Air Cells
- 157-3 Countercells
- 157-4 Dry Cells and Dry Batteries (Including Battery Boxes)
- 157-6 Storage Batteries
- 157-9 Storage Batteries — Condensed Sections for Small Installations

Number	Issue	Subject
<b>157-0 Index, Equipment Test Lists, and General Battery Equipment</b>		
<b>157-000 Index</b>		
157-000-000	77	Numerical Index — Division 157 — Batteries (5-95)
<b>157-001 Equipment Test Lists</b>		
■ 157-001-011	10	Central Office Lead Batteries — Power Systems
157-001-012	9	General Batteries — Power Systems
<b>157-005 Battery Distribution Fuse Bays (BDFB)</b>		
157-005-100	1	LINEAGE® 2000 Battery Distribution Fuse Bay (BDFB) Product Manual (J85568C-1)
157-005-101	1	LINEAGE 2000 Battery Distribution Fuse Bay Eight-Load (BDFB) Product Manual (J85568D-1)
157-005-102	1	LINEAGE 2000 Battery Distribution Fuse Bay (mini-BDFB) Product Manual (J85568E-1)

Number	Issue	Subject
<b>157-010 Battery Monitoring Equipment</b>		
157-010-100	2	LINEAGE 2000 Intelligent Reserve Unit (IRU) Product Manual
<b>157-099 Customer Information Release (CIR)</b>		
157-099-003MG	1	LINEAGE® 2000 Round Cell Battery — New Storage Procedure (3-92)
157-099-004MG	1	LINEAGE 2000 Round Cell Battery — Float Behavior of Cells With New Plastic Separator (3-92)
<b>157-2 Air Cells</b>		
157-221-101	2	KS-7777, KS-7778, and KS-15760 — Description
157-221-501	3	KS-7777, KS-7778, KS-15760 — Tests and Inspections
<b>157-3 Countercells</b>		
157-321-101	4	Alkaline — Description
157-321-701	13	Alkaline — Requirements and Procedures
157-322-701	4	Countercells — Semiconductor Type — Requirements and Adjusting Procedures
<b>157-4 Dry Cells and Dry Batteries (Including Battery Boxes)</b>		
157-421-101	8	Description
157-421-201	1	Installation
157-421-501	7	Tests and Inspections
<b>157-6 Storage Batteries</b>		
<b>Common Addendum</b>		
157-601-101	7	Lead-Acid Type — Theory and Definitions
157-601-201	20	Lead-Acid Enclosed-Type — Installation
157-601-301	10	Lead-Acid Type — Continuous Float Operation

Number	Issue	Subject
157-601-302	4	Storage Batteries — Cycle Charge — Manual Operation
Addendum	1	
■ 157-601-303	1	Lead-Acid Type — Continuous Variable Current Charge Operation
157-601-304	3	Lead-Acid Type — Continuous Variable Current Charge Operation Based on Water Loss
157-601-305	1	Lead-Acid Type — Voltage Relay 2-Rate Charge Operation
157-601-306	1	Lead-Acid Type — Voltage Relay Charge- Discharge Operation
157-601-307	2	Lead-Acid Type — Ampere-Hour Meter Charge-Discharge Operation
157-601-501	4	Lead-Acid Type — 10- or 15-Ampere- Hour — 45-Minute Discharge Capacity Test
157-601-502	4	Lead-Acid Type — 30- to 100-Ampere- Hour Capacities — Short Discharge Capacity Test
157-601-503	3	Operation of J87116A L1 — Manually Controlled Discharger for Discharge Capacity Test of 180 to 1680 Ampere- Hour Batteries
Addendum	1	
157-601-504	2	Discharger-Recharger — KS-20142 L1 (Lorain*) — Operating Methods
157-601-505	2	Discharger-Recharger — KS-20142 L1 (Fan-Tron) — Operating Methods
Addendum	2	
157-601-506	1	Discharger-Recharger — KS-20770 L1 (Lorain) — Operating Methods
■ Addendum	1	
157-601-701	19	Lead-Acid Type — Requirements and Procedures
Addendum	1	
157-601-703	1	Lead-Acid Battery — Trouble Conditions (With Color Photos)

Number	Issue	Subject
<b>Lead-Acid Open-Type</b>		
157-620-101	3	Description
157-620-701	1	Open-Tank, Requirements and Procedures
157-620-801	2	Replacement Parts and Procedures
<b>Lead-Acid Enclosed-Type</b>		
157-621-101	5	Design and Construction
157-621-801	4	Replacement Parts and Procedures
<b>Lead-Acid Valve Regulated</b>		
157-622-010	7	LINEAGE® 2000 VR Series Battery Product Manual
157-622-020	4	LINEAGE 2000 IR Series Battery Product Manual
<b>Sealed, Rechargeable Nickel-Cadmium Batteries</b>		
157-625-101	2	Description
<b>Cylindrical Lead Acid Cell</b>		
Addendum	1	
157-627-101	1	Storage Battery — KS-21906 Sealed, Rechargeable, Lead-Acid — Description, Installation, and Maintenance
157-629-700	1	LINEAGE Round Cell Battery — Product Manual
157-629-701	3	LINEAGE 2000 Round Cell — KS-20472 Lead-Acid Storage Battery — Description, Installation, and Maintenance
157-629-702	1	KS-20472 Battery Visual Inspection Procedure
Addendum	1	
157-629-703	1	KS-20472 Battery — Description, Installation, and Maintenance — High-Voltage Uninterruptible Power Supply (UPS) Application
<b>Engine Starting Batteries</b>		
Addendum	1	
157-631-101	6	Nickel-Cadmium — Engine Starting and Control — Description, Requirements, and Procedures
Addendum	1	
157-633-101	2	Lead Acid — Engine Starting and Control — Description, Requirements, and Procedures

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Number	Issue	Subject
<b>157-9 Storage Batteries — Condensed Sections for Small Installations</b>		
157-900-301	2	Lead-Acid Type — Continuous Float Operation — (Condensed Section for 301)
157-900-701	3	Lead-Acid Type — Requirements — (Condensed Section for

**Division 159**

**Engines and Engine Sets, Motors, Dynamotors, and Drives**

**159-0 Index and Equipment Test Lists**

**159-1 Engines and Engine Sets**

**159-4 Motors and Dynamotors**

**159-7 Drives**

Number	Issue	Subject
<b>159-0 Index and Equipment Test Lists</b>		
<b>159-000 Index</b>		
159-000-000	31	Numerical Index — Division 159 — Engines and Engine Sets, Motors, Dynamotors, and Drives
<b>159-001 Equipment Test Lists</b>		
159-001-011	6	Gasoline Engines — Power Systems
159-001-012	10	Motors — Power Systems
159-001-013	6	Drives — Power Systems
<b>159-1 Engines and Engine Sets</b>		
159-108-301	1	Gasoline Engines — Buffalo Type "ATT" — Operating Methods
159-108-701	3	Gasoline Engines — Buffalo Type "ATT" — Requirements and Adjusting Procedures
159-108-801	2	Gasoline Engines — Buffalo Type "ATT" — Replacement Parts and Procedures
159-110-101	1	Gasoline Engines — Types "ATT", "R" and "BA" — Description
159-110-301	3	Gasoline Engines — Buffalo Type "R" — Method of Operation
159-110-701	3	Gasoline Engines — Buffalo Type "R" — Requirements and Adjusting Procedures

Number	Issue	Subject
159-110-711	1	Gasoline Engine Radiator Units — Buffalo Type "R" — Requirements and Adjusting Procedures
159-110-801	2	Gasoline Engines — Buffalo Type "R" — Replacement Parts and Procedures
159-110-811	1	Gasoline Engine Radiator Units — Buffalo Type "R" — Replacement Parts and Procedures
159-115-301	3	High-Speed Gasoline Engines — HERCULES* Types — Manual Start — Operating Methods
159-115-701	3	High-Speed Gasoline Engines — HERCULES Types — Manual Start — Requirements and Adjusting Procedures
159-115-801	2	High-Speed Gasoline Engines — HERCULES Types — Replacement Parts and Procedures
159-150-701	3	Foos Horizontal Type "SE" Gas and Gasoline and Type "SEK" Kerosene and Distillate Engines — Requirements and Adjusting Procedures
159-151-301	1	Foos Type "T" Engines — KS-5014 and KS-5102 — Method of Operation
159-151-701	2	Gasoline Engines — Foos Type "T" — Requirements and Adjusting Procedures
159-155-701	1	White and Middletone Gas and Gasoline Engines — Requirements and Adjusting Procedures
159-180-301	4	KS-5525 Engine Sets — Gasoline — Automatic Operation — 5 and 6 KW DC and 12 KW AC — Operating Methods
159-180-701	5	KS-5525 Engine Sets — Gasoline — Automatic Operation — 5 and 6 KW DC and 12 KW AC — Requirements and Adjusting Procedures
159-180-801	2	KS-5525 Engine Sets — Gasoline — Automatic Operation — 5 and 6 KW DC and 12 KW AC — Replacement Parts and Procedures

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Number	Issue	Subject	Number	Issue	Subject
<b>159-4 Motors and Dynamotors</b>			159-416-801	2	1/10 and 1/8 HP DC Motors — Replacement Parts and Procedures
159-405-101	1	Motors — Direct Current — 1/4 Horsepower or Larger — Description	159-418-701	2	AC Unit Drive Motors — Panel Machine Switching Systems — Requirements and Adjusting Procedures
159-405-301	1	Motor — Direct Current — 1/4 Horsepower or Larger — Operating Method	159-420-701	2	1/8 HP DC Drive Motors for Test Frames — Requirements and Adjusting Procedures
159-405-701	3	Motors — Direct Current — 1/4 Horsepower or Larger — Requirements and Adjusting Procedures	159-422-701	1	AC Power Failure Control Motor — Requirements and Adjusting Procedures
159-405-801	2	Motors — Direct Current — 1/4 Horsepower or Larger — Replacement Parts and Procedures	159-422-801	1	AC Power Failure Control Motor — Replacement Parts and Procedures
159-406-301	1	Induction Motors — Two and Three Phase — Operating Methods	159-424-101	1	AC-DC Duplex Motors — Description
159-406-701	4	Induction Motors — Two and Three Phase — Requirements and Adjusting Procedures	159-424-701	5	AC-DC Duplex Motors — Requirements and Adjusting Procedures
159-406-801	2	Induction Motors — Two or Three Phase — Replacement Parts and Procedures	Addendum	1	
159-408-701	2	1/30 H.P. — 110 Volt Dc Drive Motor for 5-D and 6-A Distributors — Requirements and Adjusting Procedures	159-424-801	7	AC-DC Duplex Motors — Replacement Parts and Procedures
159-408-801	2	1/30 H.P. — 110 Volt DC Drive Motor for 5-D and 6-A Distributors — Replacement Parts and Procedures	159-426-701	5	KS-5559 Gear Motor — Reversible AC Type — Requirements and Adjusting Procedures
159-410-301	1	Synchronous Motors With Direct Connected Exciters — Per KS-5123 — Description and Operation	159-426-801	2	KS-5559 Gear Motor — Reversible AC Type — Replacement Parts and Procedures
159-410-701	2	Synchronous Motors — Requirements and Adjusting Procedures	Addendum	1	
159-410-801	2	Synchronous Motors — Replacement Parts and Procedures	159-428-701	2	KS-5748 Motor — Requirements and Adjusting Procedures
159-413-701	2	1/50 Horsepower Drive Motor Used With Distributors and 155 Type and Similar Interrupters — Requirements and Adjusting Procedures	159-429-701	1	KS-5753 Motor — Requirements and Adjusting Procedures
159-414-701	2	1/60 Horsepower Drive Motor — KS-5196 — Requirements and Adjusting Procedures	159-431-701	2	KS-5773 Motor — Requirements and Adjusting Procedures
159-416-701	2	1/10 and 1/8 HP DC Motors — Requirements and Adjusting Procedures	159-431-801	2	KS-5773 Motor — Replacement Parts and Procedures
			159-432-701	1	KS-5777 Motor and KS-5778 Speed Regulator — Requirements and Adjusting Procedures
			159-440-701	7	Output Motor Drive Unit — ED-40263-71, Groups 1, 2, and 3 — Requirements and Adjusting Procedures
			159-440-801	4	Output Motor Drive Unit — ED-40263-71, Groups 1, 2, and 3 — Piece-Part Data and Replacement Procedures

Number	Issue	Subject	Number	Issue	Subject
159-441-701	2	Output Motor Drive Unit — ED-40026-01, Group 1 and Group 2 — Requirements and Adjusting Procedures	159-705-801	1	16-A — Replacement Parts and Procedures
159-441-702	2	Output Motor Drive Unit — ED-40026-01, Group 3 — Requirements and Adjusting Procedures	159-706-701	3	16-C and D-78675 — Requirements and Adjusting Procedures
159-441-801	2	Output Motor Drive Unit — ED-40026-01, Group 1 and Group 2 — Piece-Part Data and Replacement Procedures	159-706-801	1	16-C and D-78675 — Replacement Parts and Procedures
159-441-802	2	Output Motor Drive Unit — ED-40026-01, Group 2 Modified by Group 3 Parts — Piece-Part Data and Replacement Procedures	Addendum	1	
159-442-701	1	Input Motor Drive Unit — ED-40026-01, G1 — Requirements and Adjusting Procedures	159-720-701	5	Friction Roll Drives — Requirements and Adjusting Procedures
159-442-801	2	Input Motor Drive Unit — ED-40027-01, G1 — Piece-Part Data and Replacement Procedures	Addendum	1	
159-443-701	6	Input Motor Drive Unit — ED-40218-70, Groups 1, 2, 3, and 4 and ED-40301-70, Group 1 — Requirements and Adjusting Procedures	159-720-801	4	Friction Roll Drives and Associated Brackets — Piece-Part Data and Replacement Procedures
159-443-801	6	Input Motor Drive Units — ED-40218-70, Groups 1, 2, 3, and 4 and ED-40301-70, Group 1 — Piece-Part Data and Replacement Procedures	159-720-811	2	Procedure for Installing Bushings in Friction Roll and Gear Reduction Drive Shafts
159-462-701	2	KS-15609 Motor — Requirements and Adjusting Procedures	159-720-812	2	Installing Stops on Gear Cases and Bearing Boxes of Friction Roll Drives
159-462-801	2	KS-15609 Motor — Replacement Parts and Procedures	Addendum	1	
159-464-701	1	KS-15780 Motor — Requirements and Adjusting Procedures	159-720-813	2	Modification of Friction Roll Drive Gear Case to Prevent Loss of Oil At Oil Guard
159-480-701	6	Telechron Motors — Lubrication and Replacement	159-720-814	3	Procedure for Relieving Overheating of Bearings — Friction Roll Drive Worm Case Housing Bearings
159-490-701	1	KS-15632 Dynamotor — Requirements and Adjusting Procedures	159-720-815	2	Repair of Cork on Friction Roll Drives — Panel Offices
159-490-801	1	KS-15632 Dynamotor — Piece-Part Data and Replacement Procedures	159-720-816	1	Friction Roll Drive Bearing Boxes — Procedure for Restoring Oil Closure Lip Clearance
			159-720-817	1	Repair of Vertical Drive Shafts
			159-725-701	3	Gear Reduction Drives, Horizontal Connecting Shafts, and Associated Bearings — Requirements and Adjusting Procedures
			Addendum	1	
			159-725-801	3	Gear Reduction Drives, Horizontal Connecting Shafts, and Associated Bearings and Brackets — Piece-Part Data and Replacement Procedures
			159-730-701	2	Synchronous Motor Drive for KS-5073 Multi-Frequency Motor-Generator Sets — Requirements and Adjusting Procedures
<b>159-7 Drives</b>			Addendum	1	
159-705-701	3	16-A — Requirements and Adjusting Procedures	159-735-701	6	Vertical Drive Shafts and Associated Apparatus — Requirements and Adjusting Procedures



<b>Number</b>	<b>Issue</b>	<b>Subject</b>
159-735-801	7	Vertical Drive Shafts and Associated Apparatus — Piece-Part Data and Replacement Procedures

**Division 161**

**Speed Reduction Units, Converters, Inverters, Air Dryers, Compressors, Compressor-Dehydrators, Waveguide Dehydrators, Exhauster Sets, Fans, Tube Cooling Systems, Ventilating Equipment, Call Announcer Machines**

**161-0 Indexes and Equipment Test Lists**

**161-1 Speed Reduction Units**

**161-2 Converters and Inverters**

**161-3 Air Dryers, Compressors, Compressor-Dehydrators, Dehydrators, and Waveguides**

**161-4 Exhauster Sets, Fans, Tube Cooling Systems, and Ventilating Equipment**

**161-7 Call Announcer Machines**

Number	Issue	Subject
<b>161-0 Indexes and Equipment Test Lists</b>		
161-000-000	47	Numerical Index — Division 161 — Speed Reduction Units, Converters, Inverters, Air Dryers, Compressors, Compressor-Dehydrators, Waveguide Dehydrators, Exhauster Sets, Fans, Tube Cooling Systems, Ventilating Equipment, Call Announcer Machines

**161-001 Equipment Test Lists (ETL)**

161-001-011	8	Air Dryers and Compressors — Power Systems
161-001-012	9	Dehydrators and Waveguide Pressure Systems — Power Systems
161-001-013	15	Exhauster Sets and Fans — Power Systems
161-001-014	15	Air Blowers, Tube Cooling Systems and Ventilation Equipment — Power Systems
161-001-015	14	Converters — Power Systems
161-001-016	8	Inverters — Power Systems

**Number Issue Subject**

**161-1 Speed Reduction Units**

161-105-301	1	Cleveland Worm and Gear Company's — With Driving Motor — Per KS-1571 — Operating Methods
161-105-701	1	Cleveland Worm and Gear Company's — With Driving Motor — Per KS-1571 — Requirements and Adjusting Procedures

**161-2 Converters and Inverters**

NOTE: Due to nomenclature changes, see also Numerical Index — Division 167 — Power Plants and Power Supply — 167-000-000.

161-200-101	2	LINEAGE® 2000 DC-DC Converter and Converter Shelf Assembly +24V at 25A to -48V at 10A (KS-23832) Product Manual (CC106842479)
161-200-301	1	DC-to-DC Converter — KS-21092 — Operating Methods
161-200-302	1	DC-to-DC Converter — KS-21093 — Operating Methods
161-201-301	1	DC-to-AC Inverter J87415A Operating Methods
161-202-100	5	Pulse Width Control DC-to-DC Converters — 120- Through 123-, 130- Through 133-, and 140- Through 143-Type Power Units — Summarizing Specification
161-203-301	2	KS-21353, L1 (J87428A) DC-to-AC Inverter — Lorain* Products Corporation — Operating Methods
161-203-302	2	KS-21354, L1 (J87429A) DC-to-AC Inverter — Lorain Products Corporation — Operating Methods
161-203-303	1	KS-21353, L1 (J87428B) DC-to-AC Inverter — ITT-North Electric Company — Operating Methods

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Number	Issue	Subject	Number	Issue	Subject
161-203-304	1	KS-21354, L1, (J87429B) DC-to-AC Inverter — Exide* Power System — Operating Methods	161-234-302	1	Inverter — KS-19952 — Operating Methods
161-203-701	2	KS-21353, L1 (J87429A and B) DC-to-AC Inverter — Requirements and Adjusting Procedures	161-234-701	2	Inverter — KS-19951 — Requirements and Adjusting Procedure
161-203-702	2	KS-21354, L1 (J87429A and B) DC-to-AC Inverter — Requirements and Adjusting Procedures	161-234-702	1	KS-19952 Inverter Requirements and Adjusting Procedures
Addendum	1		161-243-301	1	J85539A Inverter — 300-1500 VA AC Output — Operating Methods
161-205-701	5	Inverted Converters — Janette Manufacturing Company — Requirements and Adjusting Procedures	161-245-301	1	Inverter — J87266A — Operating Methods
Addendum	1		161-245-302	3	Inverter — J87266E — Operating Methods
161-205-801	1	Inverted Converters — Janette Manufacturing Company — Replacement Parts and Procedures	161-245-311	1	Solid State Ringing Generator — J29361AA-1 — No. 3 and 5A Crossbar Operating Methods
Addendum	1		161-246-301	4	DC-to-AC Inverter — J87274A — Operating Methods
161-206-301	3	KS-20816, L1 and L2 — DC-to-AC Inverter — Operating Methods	161-246-701	4	Inverter — J87274A — Requirements and Adjusting Procedures
161-208-701	5	Power Inverter — KS-5590, KS-15574, KS-15597, KS-15662 and KS-15679 — Requirements and Adjusting Procedures	161-247-301	2	Inverter — J87295 — Operating Methods
161-212-701	3	KS-5717 and KS-5726 — Requirements and Adjusting Procedures	161-248-301	4	J87322 — Operating Methods
161-212-801	2	Inverters — KS-5717 and KS-5726 — Replacement Parts and Procedures	161-249-301	3	J87326 — Operating Methods
161-230-701	1	KS-15511 Inverter — Requirements and Adjusting Procedures	Addendum	1	
161-230-801	1	KS-15511 Inverter — Piece-Part Data and Replacement Procedures	161-250-301	1	Inverter — J87337A — Operating Methods
161-231-301	3	DC-to-AC Inverter — KS-19329 — Operating Methods	161-256-301	1	DC-to-DC Converter — J87400 L2 — 48 Volts DC, 50 Amperes — Operating Methods
Addendum	1		161-259-301	1	DC-to-DC Converter — J87378A — Operating Methods
161-232-301	1	DC-to-AC Inverter — KS-19430 — Operating Methods	161-260-101	1	Regulated Tube Rectifier-Inverter, Phase Shift Control J86425A and Associated Power Control Panels J86425B and C — Description
Addendum	1		161-260-301	3	Regulated Tube Rectifier — Inverter, Phase Shift Control J86425A and Associated Power Control Panels J86425B and C — Operating Methods
161-233-301	3	KS-19738 Inverter — Operating Methods	161-261-301	2	J87306A — DC-to-DC Converter — Operating Methods
161-234-301	3	DC-to-AC Inverter — KS-19951 — Operating Methods	161-262-301	1	DC-to-DC Converter J87308A Operating Methods
			161-263-301	2	Converter — J87310A — Operating Methods
			161-264-301	1	DC-to-DC Converter — J87311A — Operating Methods

\* Exide is a registered trademark of Exide Corporation

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		161-285-301	3	J87248B — DC-to-DC Converter — Operating Methods
161-265-301	2	J87338A — DC-to-DC Converter — Operating Methods	Addendum	2	
161-266-301	2	DC-to-DC Converter — J87307 — Operating Methods	161-285-302	1	J87248C DC-to-DC Converters — Operating Methods
161-267-301	1	DC-to-DC Converter — +6.6 Volts, 30 Amperes — J87340 — Operating Methods	Addendum	1	
161-268-301	4	DC-to-DC Converter — J87334A — ±24.75 Volts, 3.5 Amperes — Operating Methods	161-285-303	1	J87248D DC-to-DC Converter — Operating Methods
161-269-301	1	DC-to-DC Converter — +48 Volts, 2 Amperes — J29361AB-1 No. 3 and 5A Crossbar — Operating Methods	161-286-301	1	DC-to-DC Converter — J87225A — Operating Methods
161-269-302	1	DC-to-DC Converter — ±130 Volts, 2 Amperes — J29361E-1, No. 3 and 5A Crossbar — Operating Methods	161-287-301	7	DC-to-DC Converter — J87271A — 250 Volts DC, 5 Amperes — Operating Methods
161-270-301	1	DC-to-DC Converter — J87371A L2 — 24 Volts DC, 100 Amperes — Operating Methods	161-288-301	1	DC-to-DC Converter — KS-19521 — Operating Methods
161-271-301	1	DC-to-DC Converter — J87325 — Operating Methods	161-289-301	4	Converter — J87288A — Operating Methods
161-272-301	2	J87332A-() Converter — Operating Methods	161-290-301	2	DC-to-DC Converter — J87293 — Operating Methods
161-274-301	1	DC-to-DC Converter — J87372A — Operating Methods	161-291-301	3	DC-to-DC Converter — J87294 — Operating Methods
161-275-301	1	DC-to-DC Converter — J87388A — Operating Methods	161-292-301	5	DC-to-DC Converter — J87297A — Operating Methods
161-276-301	1	DC-to-DC Converter — J87379A — Operating Methods	161-293-301	4	J87298 — DC-to-DC Converter — +6.7 Volts, 200 Amperes — Operating Methods
161-277-301	2	DC-to-DC Converter — J87391 — Operating Methods	161-294-301	1	DC-to-DC Converter — +48 Volts, 5 Amperes — J29183A-50 — Operating Methods
161-279-301	6	DC-to-DC Converter — KS-19815 L1 — 130 Volts DC, 5 Amperes — Operating Methods	161-295-301	4	J87304A — DC-to-DC Converter — Operating Methods
161-280-301	1	DC-to-DC Converter — KS-15916 — Operating Methods	161-296-301	2	DC-to-DC Converter — J87264 — Operating Methods
161-281-301	1	DC-to-DC Converter — KS-19157 — Operating Methods	161-297-301	3	DC-to-DC Converter — J87305A — Operating Methods
161-282-301	1	DC-to-DC Converter — KS-19158 — Operating Methods	161-298-301	2	DC-to-DC Converter J87283, J87284, and J87285 Operating Methods
161-283-301	2	DC-to-DC Converter — KS-19303 L1 — Operating Methods	Addendum	1	
161-283-302	2	DC-to-DC Converters — KS-19303 L3 and KS-19815 L2 — 130 Volts DC, 2 Amperes Operating Methods	161-299-301	1	J87331 — DC-to-DC Converter — Operating Methods
161-284-301	4	DC-to-DC Converter — KS-19304 — Operating Methods	161-299-302	1	DC-to-DC Converter — J87416 — Operating Methods
			161-299-303	2	KS-21952, L1, DC-to-DC Converter — (SD-82474-01) — 130 Volts DC, 5 Amperes — Operating Methods
			161-299-304	1	KS-21952, L1, DC-to-DC Converter — (SD-82474-02) — 130 Volts DC, 5 Amperes — Operating Methods

Number	Issue	Subject	Number	Issue	Subject
161-299-305	1	KS-21952, L1, DC-to-DC Converter — (SD-82602-01) — 130 Volts DC, 5 Amperes — Operating Methods	161-309-801	3	KS-20183 L1 and L2 Air Dryers — (Dielectric Communications) — Replacement Parts and Procedures
<b>161-3 Air Dryers, Compressors, Compressor-Dehydrators, Dehydrators, and Waveguides</b>			161-309-802	2	KS-20183 L2 and L3 Air Dryers (Lectrodryer Division, Ajax Magnethermic) — Replacement Parts and Procedures
161-304-701	1	KS-16432 L1 Air Dryer — Requirements and Adjusting Procedures	161-310-701	2	KS-21403 L1 Air Dryer — Lectrodryer Division — Ajax Magnethermic — Requirements and Adjusting Procedures
161-304-801	1	Continuous Feed Pressure Systems — KS-16432 L1 Air Dryer — Replacement Parts and Procedures	161-310-702	1	KS-21403 L1 Air Dryer — (Chatlos System, Incorporated) — Description and Installation
Addendum	1		161-310-801	2	KS-21403 L1 Air Dryer — Replacement Parts and Procedures
161-305-701	6	KS-16432 L2 Air Dryer — Requirements and Adjusting Procedures	161-310-802	1	KS-21403 L1 Air Dryer — (Chatlos System Inc) — Replacement Parts and Procedures
Addendum	1		■ 161-311-000AC	1	KS-22712 L1 Air Dryer — Description, Installation, and Operating Methods
161-305-801	6	Continuous Feed Pressure Systems — KS-16432 L2 Air Dryer — Maintenance and Replacement Parts	■ 161-311-011AC	1	Documentation Ordering Information — Instruction Manual — Air Dryer KS-22712 (Puregas*)
161-307-701	4	KS-16523 L1 Air Dryer — Requirements and Adjusting Procedures	161-315-201	1	Continuous Feed Pressure Systems — D Air Dryer — Description and Installation
161-307-801	5	KS-16523 L1 Air Dryer — Replacement Parts and Procedures	Addendum	1	
161-308-701	2	KS-20336 L1 Air Dryer Requirements and Adjusting Procedures	161-320-701	3	De Vilbliss Compressor Set — KS-7491, List 1 (AC) — Requirements and Adjusting Procedures
Addendum	1		Addendum	1	
161-308-702	2	KS-20336 L2 and L3 Air Dryers — Requirements and Adjusting Procedures	161-320-801	4	De Vilbliss Compressor Set — KS-7491, List 1 (AC) — Piece-Part Data and Replacement Procedures
161-308-801	2	KS-20336 L1 Air Dryer — Maintenance and Replacement Parts	Addendum	2	
161-308-802	3	KS-20336 L2 and L3 Air Dryers — Maintenance and Replacement Parts	161-330-701	3	Compressor Set — KS-14514, L1 — Requirements and Adjusting Procedures
161-309-701	4	KS-20183 L1 and L2 Air Dryers (Dielectric Communications) — Requirements and Adjusting Procedures	161-330-703	1	Compressor Set KS-21231 L1 — Requirements and Adjusting Procedures
161-309-702	2	KS-20183 L2 and L3 Air Dryers (Lectrodryer Division, Ajax Magnethermic) — Requirements and Adjusting Procedures	161-330-801	4	Compressor Set — KS-14514 L1 and L2 — Replacement Parts and Procedures

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Number	Issue	Subject	Number	Issue	Subject
161-330-803	1	Compressor Set — KS-21231 L1 — Replacement Parts and Procedures	<b>161-4 Exhauster Sets, Fans, Tube Cooling Systems, and Ventilating Equipment</b>		
161-350-701	3	Compressor-Dehydrator KS-14155, List 1 and Dehydrator KS-14155, List 2 — Requirements and Adjusting Procedures	161-405-301	1	Centrifugal Exhauster Sets — Operation
161-350-801	2	Compressor-Dehydrator KS-14155, List 1 and Dehydrator KS-14155, List 2 — Piece-Part Data and Replacement Procedures	161-405-701	3	KS-5265 Exhauster Sets — Requirements and Adjusting Procedures
161-352-701	2	Compressor-Dehydrator KS-16321, L1 and Dehydrator KS-16321, L2 — Requirements and Adjusting Procedures	161-405-801	2	Centrifugal Exhauster Sets — Replacement Parts and Procedures
161-352-801	1	Compressor-Dehydrator KS-16321, List 1 and Dehydrator KS-16321, List 2 — Replacement Parts and Procedures	161-408-101	1	Sturtevant* Exhauster Sets — Description
161-370-301	6	KS-16001 L1, L2, and L3 Dehydrators and Associated Waveguide Alarms — Operating Methods	161-408-701	4	Centrifugal Fans (Formerly Exhauster Sets) — Requirements and Adjusting Procedures
Addendum	1		161-408-801	2	Sturtevant Exhauster Sets — Replacement Parts and Procedures
161-370-701	4	KS-16001 L1, L2, and L3 Dehydrators — Requirements and Adjusting Procedures	161-412-701	4	Portable Exhauster Sets — D-96738, D-97067, KS-8038 and KS-8430 — Requirements and Adjusting Procedures
161-370-801	7	KS-16001 L1, L2, and L3 Dehydrators — Replacement Parts and Procedures	161-412-801	1	Portable Exhauster Set — KS-8430 — (With and Without Extension Collar — KS-14458) — Piece-Part Data and Replacement Procedures
161-371-701	2	Waveguides Associated With Delay Lens Antennas — Static and Dynamic Pressures — TD-2 Radio Relay System — Requirements and Adjusting Procedures	161-430-701	4	KS-14426 Type 1 Exhauster — Requirements and Adjusting Procedures
161-372-301	4	KS-16153 L1, L2, and L3 Dehydrators and Associated Waveguide Alarms — Operating Methods	161-430-801	3	KS-14426 Type Exhauster — Piece-Part Data and Replacement Procedures
161-372-701	6	KS-16153, L1, L2, and L3 Dehydrators — Requirements and Adjusting Procedures	161-450-701	3	KS-15860 Fan — Multistage, Turbine Type — Requirements and Adjusting Procedures
161-372-801	6	KS-16153 L1, L2, and L3 Dehydrators — Replacement Parts and Procedures	161-452-701	4	Blower Motors KS-15553 and Fans KS-15875 — Requirements and Adjusting Procedures
161-374-701	4	KS-16468 L1 — Requirements and Adjusting Procedures	Addendum	1	
161-374-801	3	KS-16468 L1 Dehydrator — Replacement Parts and Procedures	161-452-801	3	Blower Motors KS-15553 and Fans KS-15875 — Replacement Parts and Procedures
161-378-701	1	KS-15587 Dynamic Dry Air Supply — Requirements and Adjusting Procedures	161-458-701	1	KS-15800 Blowers and Associated Air Filters Used in J86273 Rectifiers — Requirements and Adjusting Procedures

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Number	Issue	Subject
161-470-301	4	KS-5794 Air Blower — Operating Methods
161-470-701	4	KS-5794 Air Blower — Requirements and Adjusting Procedures
Addendum	1	
161-470-801	3	KS-5794 Air Blower — Piece-Part Data and Replacement Procedures
161-475-301	4	J86486 Tube Cooling System — Operating Methods
161-475-801	3	KS-16616 Air Filter — Replacement Parts and Procedures
161-476-301	2	J68416A — TH Radio Tube Cooling System — Operating Methods
Addendum	1	
161-476-801	2	J68416A — TH Radio Tube Cooling System — Blower and Filter Replacement Procedure
161-480-701	2	Power Room Ventilation and Air Discharge Duct Equipment — Requirements and Adjusting Procedures

#### 161-7 Call Announcer Machines

161-705-701	3	Film Type — Requirements and Adjusting Procedures
161-705-801	3	Film Type — Piece-Part Data and Replacement Procedures

**Division 163**

**Interrupters, Ringing Machines, and Pole Changers**

- 163-0 Index and Equipment Test Lists
  - 000 Index
  - 001 Equipment Test List
- 163-2 Interrupters — Located on Customer or Telephone Company Premises
- 163-3 Ringing Machines — Located on Customer or Telephone Company Premises
- 163-5 Ringing Machines — Located on Customer Premises
- 163-6 Interrupters — Located on Telephone Company Premises
- 163-7 Ringing Machines and Pole Changers — Located on Telephone Company Premises

Number Issue Subject

- 163-0 Index and Equipment Test Lists
  - 163-000 Index
    - 163-000-000 65 Numerical Index — Division 163 — Interrupters, Ringing Machines, and Pole Changers
  - 163-001 Equipment Test Lists
    - 163-001-011 8 Interrupters — Power Systems
    - 163-001-012 7 Ringing Sets — Power Systems
    - 163-001-013 16 Ringing and Tone Machine — Power Systems
- 163-2 Interrupters — Located on Customer or Telephone Company Premises
  - Addendum 1
  - 163-220-701 7 KS-15634 and KS-15757 Type — Requirements and Adjusting Procedures
  - Addendum 1
  - 163-220-801 4 KS-15634 and KS-15757 Type — Replacement Parts and Procedures

Number Issue Subject

- 163-3 Ringing Machines — Located on Customer or Telephone Company Premises
  - 163-320-101 2 KS-5159, KS-5319, and KS-5352 Types — Description
  - 163-320-701 10 KS-5159, KS-5319, and KS-5352 Types — Requirements and Adjusting Procedures
  - 163-320-801 5 QD Type — Piece-Part Data and Replacement Procedures
  - 163-321-101 1 KS-20392 Sub-cycle Ringing Generator Identification, Installation, and Connectors
- 163-5 Ringing Machines — Located on Customer Premises
  - 163-520-201 2 Ringing Supply — KS-5585 List 01 and List 06 (Static Ringing Generators) — Installation
  - Addendum 1
  - 163-530-701 9 KS-15804, KS-15905, and KS-15985 — Requirements and Adjusting Procedures
  - 163-530-801 6 KS-15804, KS-15905, and KS-15985 Types — Replacement Parts and Procedures
- 163-6 Interrupters — Located on Telephone Company Premises
  - 163-600-101 1 84-Type — Description
  - 163-600-301 1 84-Type — Operating Methods
  - 163-600-701 2 84-Type — Requirements and Adjusting Procedures
  - 163-600-801 3 84-Type — Replacement Parts and Procedures
  - 163-601-701 1 100-Type — Requirements and Adjusting Procedures
  - 163-602-701 2 153-Type — Requirements and Adjusting Procedures
  - 163-602-801 2 153-Type — Piece-Part Data and Replacement Procedures
  - 163-602-811 1 153-Type — Reconditioning of Interrupter Drums
  - 163-603-701 2 155A — Requirements and Adjusting Procedures
  - 163-604-701 4 No. 156B and J68602AF — Requirements and Adjusting Procedures



Number	Issue	Subject	Number	Issue	Subject
163-605-701	2	157-Type — Requirements and Adjusting Procedures	163-675-701	8	Motor-Driven Interrupters and Tone Machines — KS-5131, KS-5132, KS- 5187, KS-5188, KS-5313, KS-5458, KS- 5545, KS-15547 — Requirements and Adjusting Procedures
163-605-801	2	157-Type — Piece-Part Data and Replacement Procedures	163-675-811	3	Motor-Driven and Tone Machines — KS- 5131, KS-5132, KS-5187, KS-5188, KS- 5313, KS-5458, KS-5545, KS-15547 — Replacement Parts and Procedures
163-606-701	3	163-Type — Requirements and Adjusting Procedures	163-676-301	1	J87395A Interrupter — 30-, 60-, and 120- IPM — Operating Methods
163-607-701	3	Precision Type — Requirements and Adjusting Procedures	163-680-301	2	J86839B Interrupter — 30-, 60-, and 120- IPM — Operating Methods
163-607-801	2	Precision Type — Piece-Part Data and Replacement Procedures			
163-607-802	1	Precision Type — Conditioning of Cams			
163-608-701	2	169A and 169B and Associated 26B Connecting Block — Requirements and Adjusting Procedures			
163-609-701	2	173-Type — Requirements and Adjusting Procedures			
163-630-701	2	KS-5746 — Requirements and Adjusting Procedures	<b>163-7 Ringing Machines and Pole Changers — located on Telephone Company Premises</b>		
163-630-801	2	KS-5746 — Replacement Parts and Procedures	163-700-701	3	Ringing Sets — KS-5032, KS-5492, KS- 5504 — Requirements and Adjusting Procedures
163-631-701	1	KS-15509 A-C Motor Driven — Requirements and Adjusting Procedures	163-701-301	1	KS-5133 One-Half Ampere Ringing Machine — Description and Application
163-650-101	2	Rotary Mercury Type — Description	163-701-701	5	One-Half Ampere Ringing Machines — KS-5133 and KS-5133-01 — Requirements and Adjusting Procedures
163-650-501	2	Rotary Mercury Type — Insulation Resistance Tests	163-701-801	2	One-Half Ampere Ringing Machines KS- 5133 and KS-5133-01 — Replacement Parts and Procedures
163-650-701	8	Rotary Mercury Type — Requirements and Adjusting Procedures	163-702-101	2	KS-5430 Ringing Machines — Description
Addendum	1		163-702-701	4	Ringing Machines KS-5430 and KS-5430- 01 — Requirements and Adjusting Procedures
163-650-801	4	Rotary Mercury-Type — Replacement Parts and Procedures	163-702-801	3	Ringing Machines KS-5430 and KS-5430- 01 — Replacement Parts and Procedures
Addendum	1		163-703-701	2	KS-5493 Motor Driven Magneto Ringing Sets — Requirements and Adjusting Procedures
163-651-701	3	Reciprocating Bar Type — Requirements and Adjusting Procedures	163-704-701	11	Ringing Machines — Small Capacity — KS-5510, KS-5546, and KS-5659 — Requirements and Adjusting Procedures
163-651-801	5	Reciprocating Bar Type — Piece-Part Data and Replacement Procedures			
163-651-811	3	Reciprocating Bar Type — Procedures for Replacing Cam Shaft Bushings			
163-652-101	1	Interrupter Circuit for Testing and Adjusting Supervisory Relays — Description			
163-675-101	1	Motor-Driven and Tone Machines — Description			

Number	Issue	Subject
163-704-801	6	Ringling Machines — Small Capacity — KS-5510, KS-5546, and KS-5659 — Replacement Parts and Procedures
Addendum	1	
163-720-701	9	KS-15532 Ringling Machines — Requirements and Adjusting Procedures
163-720-801	4	KS-15532 Ringling Machine — Replacement Parts and Procedures
163-780-701	3	KS-5068 Interrupters — (4-Cycle Pole Changer Driven by AC Motor) — Requirements and Adjusting Procedures
163-780-801	1	KS-5068 Interrupters — (4-Cycle Pole Changer Driven by AC Motor) — Replacement Parts and Procedures
163-781-301	1	KS-5068 Interrupters — (4-Cycle Pole Changer Driven by DC Motor) — Method of Operation
163-781-701	3	KS-5068 Interrupters — (4-Cycle Pole Changer Driven by DC Motor) — Requirements and Adjusting Procedures
163-781-801	3	KS-5068 Interrupters — (4-Cycle Pole Changer Driven by DC Motor) — Replacement Parts and Procedures

**Division 167****Power Plants, Power Units, and Power Supplies****167-0 Index and Equipment Test Lists****-000 Index****-001 Equipment Test Lists — Power Systems****-099 CIRs (Customer Information Releases)****167-2 Power Plants — Located on Customer or Telephone Company Premises****-208/217 Coded DC Power Plants****-255 Ringing Power Plants****-275 Pole Mounted Power Plants — P1 Carrier****-285 Battery Supply — 1A Line Concentrator****167-4 Power Plants and Power Units — Located on Customer Premises****-400 General****-405 Uninterruptible Power Systems (UPS)****-410/420 101 Type Power Plants****-430/432 Power Units — KS Specifications****167-440/459 Coded Power Units****167-460/461 Ringing Power Plants****167-480/497 PBX Power Plants and Power Supplies****167-6/7 Power Plants and Power Supply — Located on Telephone Company Premises****167-603/609 DC Battery Power Plants — 100-Type****167-620/624 DC Power Plants — 300-Type****167-639/649 DC Power Plants — 400-Type****167-670/680 AC Power Plants — 500-Type****167-684/697 DC Power Plants — 600-Type****167-705/708 DC Power Plants — 700-Type****-712 AC and DC TRIPORTS****167-721/738 Ringing, Signaling, and Tone Power Plants — 800-Type****167-739/789 Miscellaneous Power Supplies****-790 LINEAGE® 2000 Power System****167-9 DC Power Systems for Network Services Division (NSD)**

Number	Issue	Subject
<b>167-0 Index and Equipment Test Lists</b>		
<b>167-000 Index</b>		
167-000-000	23	Numerical Index — Division 167 — Power Plants, Power Units, and Power Supply (5-95)
<b>167-001 Equipment Test Lists — Power Systems</b>		
167-001-011	9	Ringing and Tone Power Plants
167-001-012	9	Power Plants
167-001-013	16	Power Supplies
<b>167-099 CIRs (Customer Information Releases)</b>		
167-099-003IR	1	New ECS (Evolutionary Control System) Battery Plant, Energy Systems
167-099-004IR	1	Alarm Indicator Panel for -48 Volt MCS or CCS Battery Plants, Energy Systems
167-099-005IR	1	MCS Controller Enhancement; Rectifier Sequencer With Ten-Second Delay, Energy Systems
167-099-006IR	1	Battery Distribution Fuse Boards (BDFB) for Eleven-Foot, Six-Inch Applications, Energy Systems
167-099-007IR	1	-48-Volt Alarm and Meter Panel, Energy Systems
167-099-008IR	1	125-Ampere Rectifier Enhancements, Energy Systems
167-099-009IR	2	Connectors Nominated for Discontinued Availability, Energy Systems
167-099-010MA	1	1 ESS™ Switch: Potential AC Power Distributing Frame Problem, Energy Systems
167-099-011IR	1	ECS (Evolutionary Control Systems) Battery Plant - Release 2.0 Energy Systems
167-099-012IR	1	LINEAGE® 2000 Battery Plant Enhancement; Distribution Fuse Panel for Fuse Range 225 to 600 Amperes, Energy Systems
167-099-013IR	1	LINEAGE 2000 Battery Plant Enhancement; Capacitor Charge Tools for 200 to 600 Ampere Fuse Distribution, Energy Systems
167-099-014IR	1	KS-5482L28FR Power Wire Is Now Available in Colors, Energy Systems

Number	Issue	Subject
167-099-015IR	1	ECS (Evolutionary Control System) Battery Plant - 45 and 60 Ampere Circuit Breakers, Energy Systems
167-099-016IR	1	Poser Distributing Frame Enhancement for Powering Up the 5ESS® Switch, Energy Systems
167-099-017IR	1	ECS (Evolutionary Control System) Battery Plant Controller - Release 2.1, Energy Systems
167-099-018IR	1	Suggested Replacement for RG210 and RGD310 Receptacles, Energy Systems
167-099-019IR	2	ECS (Evolutionary Control System) Cellular Battery Plant Availability, Energy Systems
167-099-022IR	1	LINEAGE® 2000 ECS Battery Plant, Model J85500E-2 New Product Information and Availability
167-099-023IR	1	Enhanced Customer Service (3-92)
167-099-025IR	1	LINEAGE 2000 Evolutionary Controller Enhanced Product Offering
167-099-026IR	01/93	Introduction of Evolutionary Control System Energy System
167-099-027IR	01/93	UL Listing of J85576A-1 Omni Pulse Energy System
167-099-028IR	2/93	Solder-Plated Copper Bus Bars in LINEAGE 2000 (ECS and MCS) Products from AT&T Energy Systems
167-099-029IR	2/93	Introduction of LINEAGE 2000 Battery Management System for J85500D-2 ECS Plant
167-099-030IR	1	X.25/TL1 Feature Availability (8-93)
167-099-031IR	1	Flexible Power System (FPS), J8550K-1 Rectifier Plant (8-93)
167-099-032IR	1	Flexible Power System (FPS), J85500K-1 Converter Plant (8-93)
167-099-033IR	12/93	H569-416 -48 Volt Battery Plant Availability
■ 167-099-034MA	1	Problems Associated with MODEM Operation of J855771 Intelligent Reserve Unit (IRU) (3-94)

Number	Issue	Subject
■ 167-099-035IR	2/94	ECS-12U Controller J85501E2
■ 167-099-037MA	1	Problems Associated with the Modem Operation of the CP2 Circuit Pack in the ECS Controller (3-94)
■ 167-099-038MA	1	Problems Associated with the Modem Operation of the Circuit Pack in the Omnipulse™ Monitoring Unit (3-94)
■ 167-099-039MA	1	Problem of Low Volume on the Speech Response in the Omnipulse™ Monitoring Unit (3-94)
■ 167-099-040MR	1	Defects in the Connector Used on the EPS Power Units 592A (Rectifier) and 693AA (Converter) (3-94)
■ 167-099-041MA	1	Problem When Changing From Daylight Savings Time in the Evolutionary Control System (ECS) Controller (5-94)

**167-2 Power Plants — Located on Customer or Telephone Company Premises**

**167-208/217 Coded DC Power Plants**

167-208-301	1	102G (J86802) — Operating Methods
167-210-301	7	105D (J86446) — -48 Volts, 40 Amperes — Operating Methods
167-210-302	5	105E (J86814) — Operating Methods
■ Addendum AC	1	
167-215-301	10	110A (J86572) and 110B (J86455) — Operating Methods
167-217-100	1	111A (J86470) — Description
■ Addendum AC	1	
▲ 167-217-102	1	111A Power Plant — Maintenance
Addendum	1	
167-217-301	11	111A (J86470) — Operating Methods

**167-255 Ringing Power Plants**

167-255-301	7	806D (J86596) — Operating Methods
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Number	Issue	Subject	Number	Issue	Subject
<b>167-275 Pole Mounted Power Plants — P1 Carrier</b>			167-405-015	1994	Model 250VA UPS
167-275-301	2	J86463A — Operating Methods	167-405-016	1993	Model 360VA UPS
167-275-302	1	J86463B — Operating Methods	167-405-017	1993	Model 500VA UPS
167-275-303	1	J98707M — Operating Methods	167-405-018	1993	Model 750VA UPS
<b>Converter Power Plants</b>			167-405-019	1994	Model 1kVA UPS
167-276-301	2	671A (J86880) — Operating Methods	167-405-020	1994	Model 2kVA UPS
Addendum	1		167-405-021	1994	Model 3kVA UPS
① 167-277-301	1	680A — J86891A and J86891B — Operating Methods	167-405-022	1994	Model 4.5/6kVA UPS
<b>167-285 Battery Supply — 1A Line Concentrator</b>			167-405-023	1994	Model 8/10/12kVA UPS
167-285-301	3	KS-15917, List 3 Battery Supply — Operating Methods	167-405-024	1994	Model 14/18kVA UPS
<b>167-4 Power Plants and Power Units — Located on Customer Premises</b>			167-405-029	1	Models 800, 1000, 1250, and 1500VA UPS (brochure)
<b>167-400 General</b>			167-405-030	2	Models 800, 1000, 1250, and 1500VA UPS with Extended Holdover Capability (brochure)
167-400-110	3	DC Enhanced Power Systems User's Manual	167-405-031	10-94	A Crash Course in Solving Power Problems
167-400-180	4	Selection for Use With Customer Equipment Key Systems and Small PBX	<b>UPS Manuals</b>		
167-400-200	5	General Installation Requirements	167-405-101	1	UPS User's Manual: 10kVA & 20kVA 3-Phase UPS
167-400-210	3	Power-Cord Plug-Retainer Assemblies — Power-Cord Plug Adapters for Use With Power Plants and Equipment Located on Customer Premises — Identification and Installation	167-405-103	1	UPS User's Manual: 3kVA
<b>167-405 Uninterruptible Power Systems (UPS)</b>			167-405-104	1	UPS User's Manual Models 4.5kVA and 8kVA UPS, Issue 1.0 208x240 Input, 120/208x240 Output
<b>UPS Brochures and Sales Support</b>			167-405-105	1	8K VA, 10K VA, and 12K VA UPS User's Manual
167-405-010	1	AT&T Power Systems Model 2kVA UPS	167-405-110	1	250VA Uninterruptible Power System (UPS) User's Manual
167-405-011	1	AT&T Power Systems Model 14/18 kVA UPS	167-405-111	2	750VA Uninterruptible Power System (UPS) User's Manual (CC107100828)
167-405-012	1	AT&T Power Systems Model 3 and 5kVA UPS	167-405-301	1	UPS Service Manual: Model 3kVA, 5kVA, and 10kVA
167-405-013	1	AT&T Power Systems Model 10/12 kVA UPS	167-405-307	1	UPS User's Manual: 14/18K VA Three-Phase UPS
167-405-014	1	AT&T Maintenance-Free Fused Battery Cabinets	<b>167-410/420 101 Type Power Plants</b>		
			167-410-200	1	101A (J59010C) — Identification, Installation, and Connections
			Addendum	1	
			167-410-201	3	101A (J59010F) — Identification, Installation, and Connections

Number	Issue	Subject	Number	Issue	Subject
167-410-301	1	101A (J59010) — Arranged for Cable Pair Charging or Rectifier Charging Without Charge Control Relay — 550, 551, 555, and 557 PBXs — Trial Charge Rates	167-440-203	2	112A — Identification, Installation, and Connection
167-414-201	1	101E (J86566A) — Identification, Installation, and Connections	167-441-101	2	207A Power Unit — Identification, Installation, and Connection
167-414-202	1	101E (J86566B) — Identification, Installation, and Connections	167-441-102	1	215C1 Power Unit — Identification, Installation, and Connection
167-415-201	1	101F (J86567) — Installation	167-441-103	1	224-Type Power Unit — Identification, Installation, and Connections
167-416-201	7	101-G (J86731) — Identification, Installation, and Connections	167-441-121	1	291A Power Unit — Identification, Installation, and Connection
167-417-201	1	101H (J86736) — Identification, Installation, and Connections	167-441-122	1	293A Power Unit — Identification, Installation, and Connection
167-419-201	3	101J (J86471A) — Identification, Installation, and Connections	167-445-101	4	28-Type — Identification, Installation, and Connections
167-419-202	4	101J (J86471B) — Identification, Installation, and Connections	167-446-101	5	29- and 30-Type — Identification, Installation, and Connections
167-420-201	1	101K J86897A — Identification, Installation, and Connections	167-447-101	1	34B1 and 34C1 — Identification, Installation, and Connections
<b>167-430/432 Power Units — KS Specifications</b>			167-448-101	1	32A1 and 32B1 — Identification, Installation, and Connections
167-430-102	1	KS-19352 L2 — General Description	167-449-101	2	47C — Identification, Installation, and Connections
167-430-103	1	KS-19352 L3 — General Description	167-450-201	1	10V DC — With Battery Reserve — The Warren Manufacturing Company — Model X10TFR3SUY(115) — Identification, Installation, and Connections
167-430-104	1	KS-19352 L4 — General Description	Addendum	1	
167-430-301	1	KS-19352 L1 and L5 — Operating Methods	167-451-101	2	51-Type — Identification, Installation, and Connections
167-430-302	1	KS-19352 L2 — Operating Methods	167-452-101	1	33A — Identification, Installation, and Connections
167-430-303	1	KS-19352 L3 — Operating Methods	167-454-101	3	67-Type — Identification, Installation, and Connections
167-430-304	1	KS-19352 L4 — Operating Methods	167-455-101	1	63-Type — Identification, Installation, and Connections
167-431-301	2	KS-20119 L1, L2, L3, and L4 — Operating Methods	167-456-101	1	103B — Identification, Installation, and Connection
167-432-301	1	KS-21011 — Operating Methods	167-457-101	1	104B — Identification, Installation, and Connections
167-432-302	1	KS-21012 — Operating Methods	167-458-101	4	71A — Identification, Installation, and Connections
167-432-303	2	KS-21120 — Operating Methods	167-458-102	2	79B-Type — Identification, Installation, and Connections
167-432-304	2	KS-21121 — Operating Methods	167-458-103	2	90B1 and 90BR1 — Identification, Installation, and Connections
167-432-305	1	KS-20849 — Operating Methods			
167-432-306	1	KS-20850 — Operating Methods			
<b>167-440/459 Coded Power Units</b>					
167-440-201	6	19- and 20-Type — Identification, Installation, Connections, and Maintenance			

Number	Issue	Subject	Number	Issue	Subject
167-458-105	2	83A1 and 83B1 — Identification, Connections, and Maintenance	167-494-301	2	J86812 Power Plant — Operating Methods
167-459-301	2	92A-Type — -19 Volts, 2 Amperes — Operating Methods	167-495-301	3	J86635 Power Supply — Operating Methods
<b>167-460/461 Ringing Power Plants</b>			167-495-302	1	J86635D Power Supply — Operating Methods
167-460-301	5	806G (J86472) — Operating Methods	167-496-301	2	J87292A Power Supply — Operating Methods
167-461-301	1	J29361A-1 — No. 3 and No. 5A Crossbar — Operating Methods	167-497-301	1	J86878A Power Supply — Operating Methods
<b>167-480/497 PBX Power Plants and Power Supplies</b>			<b>167-6/7 Power Plants and Power Supply — Located on Telephone Company Premises</b>		
Addendum	1		<b>167-603/609 DC Battery Power Plants — 100-Type</b>		
167-480-301	5	J86464 Power Plant — Operating Methods	■ 167-603-301AC	1	Lorain* Model 115L Power System for -48 VDC Single-Mode Lightguide Regenerator Station — Spec No. 5821-066-00
167-481-301	1	J29361B-1 Power Plant — -48 Volts, 300 Amperes — No. 3 and No. 5A Crossbar — Operating Methods	167-604-301	2	102-D — No. 12 Offices — Operating Methods
167-482-301	1	J29361D-1 Power Plant — No. 3 and No. 5A Crossbar — + and -130 Volts DC, 2 Amperes Per Polarity — Operating Methods	167-606-301	3	103B (J86423) — Message Register and Tripping — Operating Methods
167-485-201	1	J86495A Power Plant — Identification, Installation, and Connections	167-607-301	2	130A (J86866A) — ±24 Volts, 70 Amperes — Operating Methods
167-485-202	4	J86495B and D Power Plants — With Battery Reserve — Identification, Installation, and Connections	167-607-401	2	131A (J86867A) — -48 Volts 70 Amperes — Operating Methods
167-486-301	3	J86808 Power Plant — Operating Methods	167-607-403	2	131B (J85522) — -48 Volts 70 Amperes — Operating Methods
167-487-301	5	J86810 Power Supply — Operating Methods	▲ 167-607-405	2	131C/D/F — Maintenance
167-488-301	2	J86818 Power Plant — Operating Methods	167-607-406	1	131C (J85525) — -48 Volts, 70 Amperes — Description
167-488-306	1	J86828 Power Plant — Operating Methods	167-607-407	1	131C (J85525) — -48 Volts, 70 Amperes — Installation
167-489-301	3	J86831A Power Plant — Operating Methods	167-607-408	1	131D (J85525) — -48 Volts, 70 Amperes — Description
Addendum	1		167-607-410	1	131D (J85525C-1) — -48 Volts, 70 Amperes — Installation
167-490-301	2	J86830A and G Power Supply — Operating Methods	167-607-411	1	131F (J85525) — -48 Volts 50 Amperes — Description
Addendum	1		167-607-501	2	132A (J86868A) — ±24 Volts, 140 Amperes — Operating Methods
167-492-301	3	J87276A Power Supply — Operating Methods			
Addendum	1				
167-493-301	2	J86857A and B Power Plants — Operating Methods			

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Number	Issue	Subject
167-607-503	2	132B (J86918A) — ±24 Volts, 140 Amperes — Operating Methods
167-607-601	2	133A (J86869A) — -48 Volts, 140 Amperes — Operating Methods
167-607-603	2	133B (J86919A) — -48 Volts, 140 Amperes — Operating Methods
167-609-302	3	150B (J86871) — ±24 Volts 800 Amperes — Operating Methods
167-609-303	1	1150A (J85523) — +24 Volts 800 Amperes — Description
167-609-310	1	LINEAGE® 2000 MCS-6 — 24 or 48 Volts 800 Amperes — Description
167-609-400	1	151A (J86872) — Description and Theory
167-609-402	3	151B (J86873) — -48 Volts 800 Amperes — Operating Methods
167-609-404	1	151C (J86917) — -48 Volts, 600 Amperes — Operating Methods
167-609-501	2	152A (J86908) — ±24 Volts 1200 Amperes — Operating Methods
167-609-601	2	153A (J86909) — -48 Volts 1200 Amperes — Operating Methods
167-609-701	2	154A (J86910) — ±24 Volts, 2400 Amperes — Operating Methods
167-609-801	2	155A (J86911) — -48 Volts, 2400 Amperes — Operating Methods

**167-620/624 DC Power Plants — 300-Type**

■ Addendum AC	1	
167-620-301	8	301C Battery — Arranged for Automatic Start Control — Operating Methods
■ Addendum AC	1	
167-620-306	6	301C (J86573) — 24/48 Volts, 10,000 Amperes — Arranged for Manual Start Control — Operating Methods
167-621-101	4	302A (J86434) — -24/48 Volts, 10,000 Amperes — Operating Methods

Number	Issue	Subject
■ Addendum AC	1	
167-621-301	11	302A (J86434) — -24/48 Volts, 10,000 Amperes — Operating Methods
■ Addendum AC	2	
167-622-301	4	302B (J86636) — 24 and 48 Volts, 10,000 Amperes — Operating Methods
■ Addendum AC	1	
167-623-301	8	303A (J86327) — Operating Methods
167-624-100	1	326-Type — Description
167-624-101	1	326-Type — Theory
■ Addendum AC	1	
▲167-624-102	1	326-Type Equipped With +24 Volt Rectifiers — Maintenance
■ Addendum AC	1	
▲167-624-103	1	326-Type Equipped With -48 Volt Rectifiers — Maintenance
167-624-301	4	326A (J86874) and 326B (J86896) — Operating Methods

**167-639/649 DC Power Plants — 400-Type**

167-639-301	1	403A (J86577) — 130 Volts, 0.6 Ampere — Operating Methods
167-639-306	1	403B (J86592) — 130 Volts, 100 Milliampere — Operating Methods
167-640-311	2	J86436A Plate Supply — 130 Volts, 180 Milliampere — Operating Methods
167-641-316	3	J86440B — 24 Volts, 1.5 Amperes — Operating Methods
167-642-301	2	405A (J86585) — Positive and Negative 130 Volts — Operating Methods
■ Addendum AC	1	
167-643-301	7	410A — Operating Methods
■ Addendum AC	1	
167-643-302	6	410B (J86465) — Operating Methods
■ Addendum AC	1	
167-644-301	4	413A (J86826) — Operating Methods
167-645-301	11	420A (J86578) — Type J and K Carrier Stations Having AC Power Available — Operating Methods



Number	Issue	Subject	Number	Issue	Subject
Addendum	1		167-671-316	2	505C (J86426) — Using Motor-Alternators Continuously — Operating Methods
167-645-306	4	420B — Types "J" and "K" Carrier Auxiliary Systems Having No AC Power Available — Operating Methods	167-671-321	3	505C (J86426) — Using Motor-Alternator for Stand-By Supply — Operating Methods
Addendum	1		167-671-326	8	505D — For L3 Carrier System — Operating Methods
167-645-311	1	420A and 420B — "J" and "K" Carrier Auxiliary Stations — Miscellaneous Building Equipment — Operating Methods	Addendum	1	
167-646-301	6	425A — 130 Volts, 20 Amperes — Operating Methods	167-672-301	5	508A — Continuous 230-Volt — Operating Methods
167-646-306	5	425A (J86435) — 250 Volts, 20 Amperes — Operating Methods	167-673-301	3	520A (J86840) — Operating Methods
167-646-308	8	425A (J86837A and J86837B) — 250 Volts, 20 Amperes — Operating Methods	167-675-301	4	521A — Operating Methods
167-646-311	12	425A (J86439) 12 Volts, 800 Amperes — Operating Methods	167-676-301	4	Combination 505D/521A Power Plant — Operating Methods
167-646-312	5	425A (J86832) — 12 Volts, 1600 Amperes — Operating Methods	167-678-100	2	523A (J86641) — 1.5 KW AC — Description
167-646-316	1	425B (J86449) — 130 Volts, 5 Ampere Plate Supply — Operating Methods	▲167-678-102	2	523A/524A — Maintenance
167-646-321	4	425B — 12-, 130-, 250-Volt Supplies — Operating Methods	167-678-301	4	523A (J86641) — Operating Methods
▲167-647-102	2	415A — Maintenance	167-679-100	2	524A (J86642) — 5.0 KW AC — Description
167-647-301	2	415A (J86875) — Operating Methods	167-679-301	4	524A (J86642) — 5KW AC Operating Methods
167-648-301	3	426A (J86442) Battery — ±130 Volt, 0.5 to 40 Amperes — Operating Methods	167-680-301	1	526A — Operating Methods
167-649-301	2	411A (J86862) and 411B (J86863) — Operating Methods	<b>167-684/697 DC Power Plants — 600-Type</b>		
167-649-302	3	412A (J86864) and 412B (J86865) — 130 Volts, 120 Amperes — Operating Methods	167-684-100	1	610B (J86801) DC-to-DC Converter — Description
167-649-303	2	414B (J86892) — Operating Methods	▲167-684-102	2	610B — Maintenance
<b>167-670/680 AC Power Plants — 500-Type</b>			167-684-301	5	610A — Operating Methods
167-670-100	2	504B (J86617) — Description	167-684-302	6	610B — Operating Methods
167-670-101	1	504B (J86617) — Theory	167-684-303	1	610C (J86803) — Operating Methods
167-670-301	1	504A (J86611) — Operating Methods	167-684-304	5	610D (J86807) — Operating Methods
167-670-306	9	504B (J86617) — Operating Methods	167-684-305	1	610F (J86901A, L1) — Operating Methods
167-671-311	2	505C (J86426) — Auxiliary Charging Equipment — Operating Methods	167-685-301	6	651A (J86809) — 130 Volts Output — Operating Methods
			167-686-100	1	660-Type Converter — ±130 Volts, 15 Amperes — Description
			167-686-101	1	660-Type — Theory
			▲167-686-102	2	660-Type — Maintenance
			167-686-301	4	660-Type — J86882A, J86883A, J86884A — 130-Volt DC Output Operating Methods

Number	Issue	Subject	Number	Issue	Subject
167-687-301	2	670A (J86879A) — Operating Methods	167-697-306	2	664A (J86920) — Converter — -24 Volts, 40 Amperes
167-688-301	1	672A (J87811A) — Operating Methods	<b>167-705/708 DC Power Plants — 700-Type</b>		
167-689-100	1	620A — Description	■ Addendum AC	1	
167-689-101	1	620A — Theory	167-705-301	6	702C (J96475) — Arranged for Automatic Start Control — Operating Methods
▲167-689-102	2	620A — Maintenance	■ Addendum AC	1	
167-689-103	1	620C (J86925) and 625C (J86926) — Description	167-705-306	4	702C (J86475) — Manual Start Control of Generator Equipment — Operating Methods
▲167-689-104	1	620C/625C — Maintenance	167-706-306	1	704B (J86583) — 34 and 48 Volt, Positive and Negative — 2.5 and 8 Amperes — Operating Methods
167-689-401	1	673A (J86915) Converter — +130 Volts, 0.5 Ampere — Operating Methods	167-706-311	5	704C (J86590) — 48 Volts — Operating Methods
167-689-402	2	673B (J86921A) Converter — +130 Volts, 4.2 Amperes — Operating Methods	■ Addendum AC	1	
167-690-100	1	625B (J86903) — Description	167-708-301	3	708A — Operating Methods
167-690-101	1	625B (J86903) — Theory	<b>167-712 AC and DC TRIPORTS</b>		
▲167-690-102	2	625B — Maintenance	167-712-100	2	J85517A — TRIPORT Uninterruptible Power Supply — 208 Volts, 5.6 KVA, Single Phase — Operating Methods
167-691-100	1	630A — Description	Addendum	1	
167-691-101	1	630A (J86900) — Theory	167-712-101	1	J85518A — AC TRIPORT Uninterruptible Power Supply — 120/208 Volts, 5.6 KVA, Single Phase — Operating Methods
▲167-691-102	1	630A — Maintenance	167-712-102	3	J85527A — LINEAGE® 2000 Power Supply — 120 Volts, 5.6 KVA, Single Phase — Operating Methods
167-691-301	1	630A — Using DC-to-DC Converters — 24 Volts, 300 Amperes and 48 Volts, 150 Amperes Output — 140 Volts Input — Operating Methods	<b>167-721/738 Ringing, Signaling, and Tone Power Plants — 800-Type</b>		
167-692-301	2	661A (J86895A) — Operating Methods	167-721-301	2	801E (J86458) — Operating Methods
167-693-100	1	680A Converter — (J86891A), (J86891B) — 30 to 1150 Volt, 910 Milliampere DC Output — Description	Addendum	1	
▲167-693-102	2	680A — Maintenance	167-721-311	4	803C (J86555) — Operating Methods
167-694-100	1	680B Converter Power Plant — (J86899A), (J86899B) — 30 to 1130 Volts Output — 910 or 835 Milliampere Output — Description	Addendum	1	
▲167-694-102	2	680B — Maintenance	167-722-311	6	804C (J86451) — Operating Methods
167-695-301	1	681A — Operating Methods	167-722-316	2	804D (J86477A L1 and L2) — Operating Methods
167-696-301	2	662A (J86905A) — Converter — Operating Methods			
167-697-301	1	663A (J86912A) — Operating Methods			
167-697-302	1	663B (J86913A) — Operating Methods			
167-697-303	3	663C (J86914A) — Converter — Operating Methods			

Number	Issue	Subject	Number	Issue	Subject
167-723-311	4	805C (J86428A) — Operating Methods	167-730-301	2	871A (J87819A) — Operating Methods
167-723-316	4	805C (J86428B) — 130-Volt Supply — Operating Methods	167-731-301	4	861A (J87812) — Operating Methods
167-724-321	4	806E (J86445) — Operating Methods	167-732-301	7	841A (J87804) — Operating Methods
167-724-326	6	806F (J86456) — Operating Methods	Addendum	1	
167-724-331	8	806H (J86815A and J86815B) — Operating Methods	167-733-301	5	852A (J87807) — Operating Methods
167-725-306	4	807B (J86816A) — Operating Methods	Addendum	1	
167-725-311	4	807C (J86817A) — Operating Methods	167-734-301	4	853A (J87809) — Operating Methods
167-725-315	6	807D (J86829) — Tone Power Plant — Operating Methods	167-735-301	3	862A (J87810) — Operating Methods
167-725-316	3	807E (J86839A) — Operating Methods	Addendum	1	
167-725-317	3	807F (J87813) — Operating Methods	167-736-301	4	863A (J86881) — Operating Methods
167-725-318	4	807G (J87814) — Operating Methods	167-737-301	3	873A (J86855) — Operating Methods
167-725-320	1	807E (J86839A) — Tone Power Plant — Description	167-738-301	2	872A (J87808) — Operating Methods
▲167-725-321	1	807E Tone Power Plant — Maintenance	167-738-400	1	881A (J87824) — Ringing and Tone Plant — Description and Theory
167-726-100	1	808A (J86834) — Description	<b>167-739/789 Miscellaneous Power Supplies</b>		
167-726-101	1	808A (J86834) — Theory	167-739-301	1	KS-19653 L1 — Operating Methods
▲167-726-102	2	808A Ringing and Tone Plant — Maintenance	Addendum	1	
167-726-301	7	808A (J86834) — Operating Methods	167-739-401	1	891A (J85528A) — Ringing Power Plant — Auxiliary Ringing, Tone, and Cadence System — Operating Methods
167-727-105	1	Ringing and Tone Power Plant — 812A (J87801) — Description	Addendum	1	
▲167-727-107	2	812A Ringing and Tone Plant — Maintenance	167-740-301	3	J86431 (110A) — 48 Volts — Operating Methods
167-727-301	3	812A (J87801) — Operating Methods	167-740-311	2	J86431 — 115 Volts — Operating Methods
167-728-100	1	820A (J87822) — Ringing, Tone, and Interrupter Plant — Description	167-741-301	2	J86453 — 48 Volts — Operating Methods
167-728-101	1	820A (J87822) Ringing, Tone, and Interrupter Plant — Theory	167-741-311	2	J86453 — 130 Volts — Operating Methods
▲167-728-102	2	820A Ringing, Tone, and Interrupter Plant — Maintenance	167-742-301	1	NIFE* Battery Charger — Operating Methods
167-728-301	3	856A (J87820) — Operating Methods			
167-729-301	2	857A (J87821) — Operating Methods			

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Number	Issue	Subject
167-743-301	2	Small Ringing Equipment — J86212K — Operating Methods
Addendum	1	
167-750-301	1	Automatic Reserve Power Plant — J86646A, B, or C — 480 or 4160 Volts AC — 2.1 to 7.5 Megawatt — Operating Methods
167-750-302	1	J86740 System Control Bay — Automatic Control for Engine Alternator Sets — Maintenance and Trouble Locating
167-760-301	2	For No. 1 Accounting Center — Automatic Message Accounting Systems — Operating Methods
167-761-301	1	SD-1G055-01 Using 48-Volt Lorain T603B-1 and 130-Volt J86256A Rectifiers — Operating Methods
167-767-301	6	J86440A and J86470U — 24 Volts, 12 and 40 Amperes — Operating Methods
167-767-311	1	J86440C — 24 Volts, One Ampere — Operating Methods
167-768-301	2	J86454, 130-Volt Reserve — for Type "O" Carrier Repeaters — Operating Methods
Addendum	1	
167-769-301	5	J86473A — Operating Methods
Addendum	1	
167-770-301	4	J86474 DC — Operating Methods
Addendum	1	
167-770-306	1	J86487A — +220V, +135V, -11V DC, and 110V AC — TH Radio — Operating Methods
167-770-311	1	J86488A — +450V, -170V, and -11V — TH Radio — Operating Methods
167-772-301	1	J86494 — Operating Methods
167-773-301	1	J86637 — Operating Methods
Addendum	1	
167-774-301	2	J86496 — Positive or Negative 24-Volt 0 to 30 Amperes — Operating Methods
① 167-775-301	1	Precise Tone Power Plant — J86847A AUTOVON (Automatic Voice Network) — Operating Methods
167-776-301	4	J86858 — Operating Methods

Number	Issue	Subject
167-777-301	2	J86643 — Operating Methods
167-778-301	1	J87213A — Operating Methods
167-779-301	1	J87203A — Operating Methods
167-780-301	4	J86835A — Operating Methods
167-782-301	1	J86853A — Operating Methods
167-783-301	2	J87279A Regulator — 19 Volts, 4 Amperes — Operating Methods
167-784-301	1	(J86811) for Traffic Data Summarizer — Operating Methods
167-785-301	1	J87300 — Remote Test Voltage Supply Circuit — Operating Methods
167-787-301	1	J87321 — Constant Current — Operating Methods
Addendum	1	
167-789-301	1	Ringing and Tone Power Plant — J29179A-50 — No. 5A Crossbar — Operating Methods
167-789-302	1	-48 Volts, 400 Amperes — No. 5A Crossbar — Operating Methods
167-789-303	1	No. 5A Crossbar System — 130 Volts DC, 15 Amperes — Operating Methods

**167-790 LINEAGE 2000 Power System**

167-790-020	1	LINEAGE 2000 ECS Power System — Product Manual
167-790-028	1	LINEAGE 2000 ECS Power System — 42-Inch Framework Battery Plant Model H569-401 Product Manual
167-790-030	8/90	LINEAGE 2000 Evolutionary Control System Battery Plant — Product Manual (Model J85500G-1)
167-790-031	3	LINEAGE 2000 ECS Controller — Product Manual (Model J85501D)
167-790-033	1	ESC Controller Product Manual J85501D-2
167-790-034	1	ESC Battery Plant Product Manual J85500D-2
167-790-035	2	ESC Battery Plant Product Manual J85500G-2
167-790-037	1	ESC Battery Plant Product Manual J85500E-1

Number	Issue	Subject
167-790-038	4	LINEAGE 2000 1200 Ampere, +24 Volt ESC Battery Plant J85500E-2 Product Manual (Commcode 107044778)
167-790-039	1	LINEAGE 2000 600 Ampere, -24 Volt ESC Battery Plant J85500H-1 Product Manual
167-790-041	1	LINEAGE 2000 600 Ampere, +24 Volt ESC Battery Plant Product Manual H569-403
167-790-042	1	LINEAGE 2000 300-Ampere, -48 Volt Evolutionary Control System Battery Plant Product Manual H569-408
■ 167-790-045	1	LINEAGE 2000 ECS-6U UR Controller J85501E-1
■ 167-790-061	1	LINEAGE 2000 1800 Ampere, -48 Volt ECS Battery Plant Product Manual (J85500S-1) (CC107310286) (10-94) '
167-790-101	1	Microprocessor Controlled System Battery Plant — Controller Description
167-790-102	1	Microprocessor Controlled System Battery Plant — Description
▲ 167-790-103	2	Microprocessor Controlled System (MCS) Battery Plant Controller — Maintenance
▲ 167-790-105	1	Conventional Controlled System (CCS) Battery Plant Controller — Maintenance
▲ 167-790-107	1	Expandable Controlled System (XCS) Battery Plant Controller
167-790-109	6	LINEAGE 2000 ESC Controller Options Product Manual
167-790-110	1	Standby Power Systems
167-790-116	7	LINEAGE 2000 OMNI Pulse Product Manual and Installation Guide
167-790-120	1	J86334B, J86334C, and J86334D DC Power Distributing Frames (Used in Conjunction With LINEAGE 2000 Battery Plants) Description and Operation
167-790-123	3	Lineage 2000 Battery Management System (CC107094369)

**Division 169**

**Rectifiers and Filament Supplies**

**169-0 Index and Equipment Test Lists**

-000 Index

-001 Equipment Test Lists — Power Systems

-099 Customer Information Release (CIR)

**169-2 Rectifiers — Located on Customer or Telephone Company Premises**

**169-4 Rectifiers — Located on Customer Premises**

**169-6 Rectifiers and Filament Supplies — Located on Telephone Company Premises**

Number Issue Subject

**169-0 Index and Equipment Test Lists**

169-000 Index

169-000-000 75 Numerical Index — Division 169 — Rectifiers and Filament Supplies (5-95)

**169-001 Equipment Test Lists — Power Systems**

Addendum 1  
 169-001-011 9 J-Code Rectifiers  
 Addendum 1  
 169-001-012 8 KS-Type Rectifiers  
 169-001-013 14 Miscellaneous Rectifiers

**169-099 CIRs (Customer Information Release)**

169-099-004IR 1 400-Ampere Rectifier Availability, Energy Systems  
 169-099-005IR 1 Customer Change Notice CCN 20001-DJ for LINEAGE® 2000 J85502C1 125-Ampere Rectifier  
 169-099-006IR 1 CCN N10002-DJ for J87436A, J87437A, J87438A & J87439A  
 169-099-007IR 1 Class AC Change Notice, Energy System  
 169-099-008MR 1 Preventive Maintenance for LINEAGE 2000 J85503B1 (200 Amp) Rectifier (8-93)

Number Issue Subject  
 169-099-009MR 1 Preventive Maintenance for LINEAGE 2000 J85502B1 (50 Amp) Rectifier (9-93)  
 169-099-010MG 1 Door Latch Spring for Lineage 2000 400 Ampere Rectifier (J85503C-2) (5-94)  
 ■ 169-099-011IR 1 Introduction of Enhanced LINEAGE 2000 400-Amp, 60-Hz Ferroresonant Rectifier (4-94)

**169-2 Rectifiers — Located on Customer or Telephone Company Premises**

169-205-301 1 Mercury Arc — Operating Methods  
 169-205-501 2 Mercury Arc — Tests and Inspections  
 169-210-301 6 Miscellaneous Electron Tube Type — (Formerly Tungar) — Operating Methods  
 169-210-501 1 Miscellaneous Electron Tube Type — (Formerly Tungar) — Tests and Inspections  
 169-210-801 8 Electron Tube Type — (Formerly Tungar) — Unregulated and Manually Regulated — Replacement Parts and Procedures  
 169-215-201 2 Miscellaneous Semiconductor Type — (Metallic) — Installation  
 169-215-301 9 Miscellaneous Semiconductor Type — Operating Methods  
 169-215-302 3 Miscellaneous Ferroresonant-Type — Operating Methods  
 169-215-801 1 Stacks Used in Lorain\* Products Corporation — T603B1 Power Supply and J86256 Metallic and Semiconductor-Type — Replacement Parts and Procedures  
 169-230-101 2 Regulated Tube Type — Description  
 Addendum 1  
 169-230-301 8 J86207A, D, G, H, K, L, M, and U — Operating Methods  
 169-232-301 5 J86207E and J86207J, L4, L5, and L6 — Operating Methods  
 169-234-301 4 J86207W — Operating Methods

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Number	Issue	Subject	Number	Issue	Subject
169-238-301	3	J86231A — Operating Methods	169-469-301	1	J87328A — 24 Volts, 15 Amperes — Operating Methods
169-245-301	4	J87211A and B — 48 and 24 Volts, 11 Amperes — Operating Method	169-470-301	1	J87329A — 48 Volts, 15 Amperes — Operating Methods
169-250-301	1	J87215 — Semiconductor Type — Operating Methods	169-471-301	1	J29361F-1 — -48 Volts, 50 Amperes — No. 3 and No. 5A Crossbar — Operating Methods
169-254-301	4	J87228A — 130 Volts, 10 Amperes — Operating Methods	169-472-301	2	KS-21090 — Operating Methods
169-255-301	10	J87223 — 48 Volts, 100 Amperes — Operating Methods	169-472-302	2	KS-21091 — Operating Methods
169-256-301	5	J87224 — 130/152 Volts, 100 Amperes — Operating Methods	169-472-303	1	KS-21195 — Operating Methods
169-256-801	1	J87224 — Error Detector Cards — Piece- Part Data	169-472-304	1	KS-21421 L1, L2 — Operating Methods
169-257-301	5	J87229 — 130 Volts, 30 Amperes — Operating Methods	<b>169-6/7 Rectifiers and Filament Supplies — Located on Telephone Company Premises</b>		
169-260-301	2	J87232A — 24 Volts, 30 Amperes — Operating Methods	■ 169-601-301AC	1	Lorain Model RJ15N50 Flotrol Rectifier Specification No. 5381-007-00
169-261-301	2	J87233A — 48 Volts, 30 Amperes — Operating Methods	169-602-301	1	X-61756A-2 — Tube Type — Automatic Regulation — Operating Methods
169-262-301	5	Rectifiers and Charge-Failure Alarm Relays — KS-15661 Type — Operating Methods	169-603-302	5	J86207B, J86207R, J86207T, and J86216A — Operating Methods
169-263-301	1	J87320A — Operating Methods	169-603-303	7	J86207C and J86207F — Operating Methods
169-265-301	3	KS-15678 Type — Operating Methods	169-603-319	6	J86207P and J86207S — Operating Methods
169-267-301	3	J87434A — 24 Volts, 35 Amperes — Operating Methods	169-603-816	3	J86207P, J86207S, J86263A, and J86263B — Modifications
169-267-305	3	J87435A — 48 Volts, 35 Amperes — Operating Methods	169-604-301	2	J86217A — Operating Methods
169-271-301	2	KS-19231 L1 and L2 — Operating Methods	169-605-301	2	J86218A — Operating Methods
<b>169-4 Rectifiers — Located on Customer Premises</b>			169-606-301	2	J86219A — Operating Methods
169-429-301	3	J86281A — Operating Methods	169-606-302	4	J86219B L1, L2, and L3 — Operating Methods
169-430-100	2	J87202A — Installation, Connection, and Maintenance	169-607-301	5	J86221A — Electron Tube Type — Automatic Regulation — Operating Methods
169-431-301	1	J87242A — Operating Methods	169-608-301	5	J86225 — Operating Methods
169-432-301	1	J87243A — Operating Methods	169-609-301	5	J86226 — Operating Methods
169-433-301	1	J87244A — Operating Methods	169-609-311	1	LINEAGE® 2000 MCS-6 Battery Power Plant — Rectifier Description
169-445-301	1	KS-5663 L8, L9, and L10 — Operating Methods	169-610-301	4	J86227 — Operating Methods
169-465-301	3	KS-15668 L1, L2, and L3 — Operating Methods	169-611-301	2	J86228A and J86228B — 400 Volts, 0.1 Ampere — Operating Methods
169-466-301	1	KS-19921 L1 (Battery Charging) — Operating Methods			
169-467-301	2	KS-20121 L1, L2, L3, and L4 Rectifiers — Operating Methods			

Number	Issue	Subject	Number	Issue	Subject
169-612-301	2	J86239A — Operating Methods	169-624-301	1	J86277A — Metallic Type — Manual Regulation — Operating Methods
169-612-303	3	J86239C — Operating Methods	169-624-302	1	J86277B — Metallic Type — Manual Regulation — Operating Methods
Addendum	1		169-625-301	3	J86278A — Semiconductor Type — Manually Regulated — Operating Methods
169-612-811	5	Rectifier Stacks and Rectifier Baskets of KS-5651, KS-5651-01, KS-5651-02, KS-15689, J86239A, J86239B, J86239C, J86249A, J86249B, and J86249C Rectifiers — Replacement Parts and Procedures	169-625-302	2	J86278B — Semiconductor Type — Manually Regulated — Operating Methods
169-613-301	12	J86240A and J86240B — Operating Methods	169-626-301	3	J86280A — Semiconductor Type — Manually Regulated — Operating Methods
169-614-301	2	J86241 — Operating Methods	169-627-301	1	J86286A — Metallic Type — Manually Regulated — Operating Methods
169-615-301	2	J86242 — Operating Methods	169-628-301	1	J86288A — Metallic Type — Manually Regulated — Operating Methods
169-616-301	2	J86243A — Operating Methods	Addendum	1	
Addendum	3		169-630-301	5	J86295A — 48 Volts, 200 Amperes Voltage- Regulated Output Control — 23- or 24-Cell Operation (Regular Cells Only) — Operating Methods
169-617-301	7	J86244A — Operating Methods	Addendum	1	
169-618-301	5	J86249A, B, C and J86249E L2 Relay Output Control — Operating Methods	169-630-302	5	J86295A — 48 Volts, 200 Amperes — Voltage-Regulated Output Control — 23-or 24-Cell Operation (Regular Cells Only) — Operating Methods
Addendum	2		Addendum	1	
169-618-303	4	J86249A, B, C and J86249E L1 Electronic Control — Operating Methods	169-630-303	5	J86295A — 48 Volts, 200 Amperes — Current-Regulated Output Control — 23-, 25-, or 27-Cell Plant (Regular and Emergency Cells) — Operating Methods
Addendum	3		169-631-301	6	J86296 — 48 Volts, 400 Amperes — Voltage-Regulated Output Control for 23-, 25-, or 27-Cell Plant (Regular and Emergency Cells) — Operating Methods
169-618-305	3	J86249A, B, C and J86249E L3 Electronic Control — Operating Methods	169-631-302	6	J86296 — 48 Volts, 400 Amperes — Voltage-Regulated Output Control for 23-Cell Operation (Regular Cells Only) — Operating Methods
169-620-301	2	J86263A, 48-Volt and J86263B, 24-Volt — Regulated Metallic Type — 30 Amperes — Operating Methods			
169-621-101	1	J86264A — Metallic Type — Manual Regulation — Single-Cell Charger — 210 Amperes — Description			
169-621-301	4	J86264A and KS-15687 L1, L2, L3, and L4 (Single-Cell Chargers) — Operating Methods			
169-622-301	6	J86266A — 130 Volts, 24 Amperes — Operating Methods			
Addendum	1				
169-623-301	4	J86273 — 48 Volts, 200 Amperes — Current-Regulated Output Control — Operating Methods			
Addendum	1				
169-623-306	4	J86273 — 48 Volts, 200 Amperes — Voltage-Regulated Output Control — Operating Methods			



Number	Issue	Subject	Number	Issue	Subject
169-631-303	5	J86296 — 48 Volts, 400 Amperes — Current-Regulated Output Control for 23-, 25-, or 27-Cell Plant (Regular and Emergency Cells) — Operating Methods	169-660-311	2	KS-5651-02 Rectifier Unit — Electronic Control — Operating Methods
169-633-301	3	J86298A — Semiconductor Type — Automatic Regulation — Operating Methods	169-661-301	1	KS-5669 — Operating Methods
169-635-301	1	J87200A — Semiconductor Type — Manually Regulated — Operating Methods	169-662-301	3	KS-5928 L5 and KS-15620 L4 — Operating Methods
169-636-301	3	J87201A L1 and J87201B L1 — Operating Methods	169-663-301	1	KS-5789 — Operating Methods
169-642-301	3	J87207A L1 and J87207B L1 — Operating Methods	169-680-301	1	KS-15123 L2 — Operating Methods
169-648-301	9	J87222 — 24 Volts, 100 Amperes — Operating Methods	169-681-301	1	KS-15135 — Automatically Regulated — Metallic Type — 24 Volts, 6 Amperes — Operating Methods
169-649-301	4	J87249A and J87249B — Operating Methods	169-682-301	6	KS-15620 L1, L2, L3, L6, and L10 — Operating Methods
169-650-301	2	J87275 — Semiconductor-Type — Automatic Regulation — Operating Methods	169-682-302	4	KS-15620 — Ferroresonant Type — Operating Methods
169-651-301	1	J87346 — Semiconductor-Type — Automatic Regulation — Operating Methods	169-683-301	1	KS-15655 — Metallic Type — Automatic Regulation — Operating Methods
Addendum	1		Addendum	1	
169-652-301	1	J87358 — Ferroresonant Controlled — Operating Methods	169-685-301	4	KS-15689 L1 and KS-15689 L3 — Electronic Control — Operating Methods
169-652-305	3	J87436A — ±24 Volts, 100 Amperes — Operating Methods	169-685-306	2	KS-15689 — Relay-Type Output Control — Operating Methods
169-652-306	3	J87437A — ±48 Volts, 100 Amperes — Operating Methods	169-686-301	2	KS-15737 — Inverter, Regulated — Operating Methods
169-652-307	4	J87438A — ±24 Volts, 200 Amperes — Operating Methods	169-687-301	3	KS-15885 — Operating Methods
169-652-308	4	J87439A — ±48 Volts, 200 Amperes — Operating Methods	169-688-301	4	KS-15894 L1, L2, and L3 — Operating Methods
169-652-324	2	J87447A — 24 Volts, 15 Amperes — Operating Methods	Addendum	1	
169-652-326	2	J87448A — 48 Volts, 15 Amperes — Operating Methods	169-689-301	2	KS-15898 L1, L2, and L3 — Operating Methods
169-660-301	3	KS-5651 and KS-5651-01 — Electronic Control — Operating Methods	169-692-301	2	KS-15907 L1 (Portable) — KS-15907 L2 (Rack Mounted) — Operating Methods
169-660-302	4	KS-5651 and KS-5651-01 — Relay-Type Output Control — Operating Methods	169-696-301	1	KS-15911 L2 and L3 — Operating Methods
Addendum	1		169-701-301	1	KS-15915 L1 — Filament Supply — Operating Methods
169-660-306	2	KS-5651-02 Rectifier Unit — Relay-Type Output Control — Operating Methods	169-703-301	1	KS-15999 L2 — Operating Methods
			Addendum	1	
			169-704-301	2	KS-19210 L1 — 24 Volts, 400 Amperes — Operating Methods
			Addendum	1	
			169-704-311	1	KS-19210 — Trouble Locating
			169-704-312	3	KS-19210 L11 and L12 — -24 Volts, 400 Amperes — Operating Methods

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		Addendum	1	
169-704-313	1	KS-19210 L23 and L24 — +24 Volts, 400 Amperes — Operating Methods	169-712-301	5	KS-19212 L1 and L2, — 24 Volts, 1600 Amperes — Operating Methods
Addendum	1		169-712-701	1	KS-19212 and KS-19215 — L1, L2, L3, L4, L11, and L12 — SW1 and SW2 Switches — Tests, Inspections, Cleaning, and Adjustments
169-704-701	1	KS-19210 — 24 Volts — All List — S1 Switch (S3 Switch for L1 and L3) — Tests, Inspections, Cleaning, and Adjustments	Addendum	1	
Addendum	1		169-713-301	3	KS-19212 L3 and L4 — 24 Volts, 1600 Amperes — Operating Methods
169-705-301	2	KS-19210 L2 and L7 — 24 Volts, 400 Amperes — Operating Methods	169-713-311	1	KS-19212 L1 and L2 — 24 Volts, 1600 Amperes — Trouble Locating
Addendum	1		Addendum	1	
169-706-301	2	KS-19210 L3 — 24 Volts, 400 Amperes — Operating Methods	169-713-312	4	KS-19212 L11 and L12 — 24 Volts, 1600 Amperes — Operating Methods
Addendum	1		169-715-301	2	KS-19213 L2 — 48 Volts, 800 Amperes — Operating Methods
169-707-301	3	KS-19210 L4 and L9 — 24 Volts, 400 Amperes — Operating Methods	169-715-701	2	KS-19213 — 48 Volts — DC Output Switch — Tests, Inspections, Cleaning, and Adjustments
Addendum	1		169-716-301	2	KS-19213 L3 — 48 Volts, 800 Amperes — Operating Methods
169-708-301	2	KS-19211 L1 — 24 Volts, 800 Amperes — Operating Methods	169-717-301	3	KS-19213 L5 and L9 — 48 Volts, 800 Amperes — Operating Methods
169-708-311	1	KS-19211 L1 — 24 Volts, 800 Amperes — Trouble Locating	169-718-301	2	KS-19213 L6 and L7 — 48 Volts, 800 Amperes — Operating Methods
169-708-701	1	KS-19211 — 24 Volts — DC Output Switch — Tests, Inspections, Cleaning, and Adjustments	169-718-311	1	KS-19213 — 48 Volts, 800 Amperes — Trouble Locating
Addendum	1		169-718-312	4	KS-19213 L11 and L12 — 48 Volts, 800 Amperes — Operating Methods
169-709-301	3	KS-19211 L2 and L7 — 24 Volts, 800 Amperes — Operating Methods	169-720-301	3	KS-19214 L2 and L5 Voltage-Regulated Output Control — 48 Volts, 800 Amperes — Operating Methods
169-709-311	1	KS-19211 L2 and L7 — 24 Volts, 800 Amperes — Trouble Locating	169-720-332	2	KS-19214 — Solid State Ammeter Relays — Operating Methods
Addendum	1		169-720-701	1	KS-19214 — 48-Volt — S1 and S2 Switches — Tests, Inspections, Cleaning, and Adjustments
169-710-301	2	KS-19211 L3 — 24 Volts, 800 Amperes — Operating Methods	169-721-301	2	KS-19214 L3 and L6 — 48 Volts, 800 Amperes — Operating Methods
169-710-311	1	KS-19211 L3 — 24 Volts, 800 Amperes — Trouble Locating			
Addendum	1				
169-711-301	2	KS-19211 L4 and L9 — 24 Volts, 800 Amperes — Operating Methods			
169-711-311	1	KS-19211 L4, L9, L11, and L12 — 24 Volts, 800 Amperes — Trouble Locating			
Addendum	1				
169-711-312	2	KS-19211 L11 and L12 — 24 Volts, 800 Amperes — Operating Methods			

Number	Issue	Subject	Number	Issue	Subject
169-721-311	1	KS-19214 — 48 Volts, 800 Amperes — Trouble Locating	169-730-301	3	KS-19790 L11 and L12 — 48 Volts, 800 Amperes — Operating Methods
169-721-312	3	KS-19214 L11 and L12 — 48 Volts, 800 Amperes — Operating Methods	169-730-302	3	KS-19791 L11 and L12 — 48 Volts, 800 Amperes — Operating Methods
Addendum	2		169-730-311	1	KS-19790 — 48 Volts, 800 Amperes — Trouble Locating
169-722-301	5	KS-19215 L1 and L2 — 48 Volts, 1600 Amperes — Operating Methods	169-730-312	2	KS-19791 L11 and L12 — 48 Volts, 800 Amperes — Trouble Locating
Addendum	3		169-730-701	1	KS-19790 and KS-20039 — L11 and L12 — DC Output (S3) Switch — Tests, Inspections, Cleaning, and Adjustments
169-723-301	4	KS-19215 L3 and L4 — 48 Volts, 1600 Amperes — Operating Methods	169-730-702	2	KS-19791 L11 and L12 — 48-Volt — DC Output S2 Switch — Tests, Inspections, Cleaning, and Adjustments
169-723-311	1	KS-19215 — 48 Volts, 1600 Amperes — Trouble Locating	Addendum	2	
Addendum	2		169-731-301	2	KS-19792 L11 and L12 — 48 Volts, 1600 Amperes — Operating Methods
169-723-312	3	KS-19215 L11 and L12 — 48 Volts, 1600 Amperes — Operating Methods	169-731-302	3	KS-19793 L11 and L12 — 48 Volts, 1600 Amperes — Operating Methods
Addendum	1		169-731-311	2	KS-19792 L11 and L12 — 48 Volts, 1600 Amperes — Trouble Locating
169-724-301	3	KS-19216 L1 and L2 — 130 Volts, 300 Amperes — Operating Methods	Addendum	1	
169-724-311	1	KS-19216 L1 and L2 — 130 Volts, 300 Amperes — Trouble Locating	169-731-312	2	KS-19793 L11 and L12 — 48 Volts, 1600 Amperes — Trouble Locating
169-724-701	2	KS-19216 — 130-Volt — S6 Switch — Tests, Inspections, Cleaning, and Adjustments	169-731-701	2	KS-19792 48-Volt — KS-20040, 24-Volt — S1 and S2 Switches — Tests, Inspections, Cleaning, and Adjustments
169-726-301	2	KS-19356 L1 and L2 — 24 Volts, 1600 Amperes — Operating Methods	169-731-702	1	KS-19793 L11 and L12 — 48-Volt — S2 and S3 Switches — Tests, Inspections, Cleaning, and Adjustments
169-726-701	2	KS-19356 — 24 Volts — S1 Switch — Tests, Inspections, Cleaning, and Adjustments	169-732-301	1	KS-19700 L1 — 12-Volt, 400-Ampere — Operating Methods
Addendum	1		169-735-301	3	KS-20039 L11, L12, L23, and L24 — 24 Volts, 800 Amperes — Operating Methods
169-727-301	1	KS-19356 L3 and L4 — 24 Volts, 1600 Amperes — Operating Methods	169-735-311	1	KS-20039 — 24 Volts, 800 Amperes — Trouble Locating
169-727-311	1	KS-19356 — 24 Volts, 1600 Amperes — Trouble Locating	169-736-301	5	KS-20040 L11 and L12 — 24 Volts, 1600 Amperes — Operating Methods
169-727-312	3	KS-19356 L11 and L12 — 24 Volts, 1600 Amperes — Operating Methods			
169-728-301	3	KS-19424 L1, L2, and L3 — 12 Volts, 400 Amperes — Operating Methods			
169-729-301	2	KS-19412 (Test Voltage Supply) — Operating Methods			

Number	Issue	Subject	Number	Issue	Subject
169-736-311	2	KS-20040 L11 and L12 — 24 Volts, 1600 Amperes — Trouble Locating	169-745-310	1	KS-20493 L21 and L22 (SD-81999-02) — -48 Volts, 100 Amperes — Lorain Products — Trouble-Locating Information
Addendum	2		169-745-311	2	KS-20493 L21 and L22 — -48 Volts, 100 Amperes — Lorain Products Corporation — Trouble-Locating Information
169-741-301	2	KS-20489 — 48 Volts, 400 Amperes — Operating Methods	169-745-312	2	KS-20493 L21 and L22 — 48 Volts, 100 Amperes — ITT-North Electric Company — Trouble-Locating
Addendum	1		169-746-301	1	KS-21113 L1 and L2 — Lorain Products Corporation — 152 Volts, 200 Amperes — Operating Methods
169-741-311	2	KS-20489 L11, L12, L21, and L22 — 48 Volts, 400 Amperes — Trouble Locating	Addendum	1	
169-741-701	2	KS-20489 — 48-Volt — S3 Switch — Tests, Inspections, Cleaning, and Adjustments	169-746-302	2	KS-21113 L1 and L2 — ITT-North Electric Company — 140 Volts, 200 Amperes — Operating Methods
169-742-301	2	KS-20490 L11, L12, and L22 — 48 Volts, 400 Amperes — Operating Methods	169-746-303	1	KS-21113 L1 and L2 — 140 Volts, 200 Amperes — Acme Electric Company — Operating Methods
169-742-311	2	KS-20490 — 48 Volts, 400 Amperes — Trouble-Locating	169-746-304	1	KS-21113 — Warren Communications Company — 140 Volts, 200 Amperes — Operating Methods
169-742-701	2	KS-20490 — DC Output (S1) Switch — Test, Inspection, Cleaning and Lubrication	169-746-305	1	KS-21113 L1 and L2 — ACME Electric Company — 140 Volts, 200 Amperes — Trouble Locating
169-743-301	5	KS-20491 L21, L22, L23, L24 — 24 Volts, 100 Amperes Lorain Products Corporation — Operating Methods	169-748-301	1	KS-21520 — 48 Volts, 400 Amperes — Lorain Products Corporation — Operating Methods
169-743-302	2	KS-20491 L21, L22, L23, and L24 — 24 Volts, 100 Amperes — ITT — North Electric Company — Operating Methods	Addendum	1	
169-743-311	2	KS-20491 L21, L22, L23, L24 (SD- 81997-01) — 24-Volt, 100 Ampere — Lorain Products Corporation — Trouble- Locating Information	169-748-302	1	KS-21520 — 48 Volts, 400 Amperes — Warren G-V Communications — Operating Methods
169-743-312	2	KS-20491 L21, L22, L23, and L24 — 24 Volts, 100 Amperes — ITT-North Electric Company — Trouble Locating Information	169-748-311	1	KS-21520 — 48 Volts, 400 Amperes — Lorain Products Corporation — Trouble Locating
169-743-313	1	KS-20491 L21, L22, L23, L24 (SD- 81997-02) 24 Volts, 100 Amperes — Lorain Products Corporation — Trouble- Locating Information	169-748-312	1	KS-21520 — 48 Volts, 400 Amperes — Warren G-V Communications — Trouble Locating
169-745-301	5	KS-20493 L21 and L22 — 48 Volts, 100 Amperes — Lorain Products — Operating Methods	169-748-501	1	KS-21520 — Lorain Products Corporation — Tests, Inspections, Cleaning, and Adjustments
169-745-302	3	KS-20493 L21 and L22 — 48 Volts, 100 Amperes — ITT-North Electric Company — Operating Methods	169-748-502	1	KS-21520 — Warren G-V Communications — Tests, Inspections, Cleaning, and Adjustments

Number	Issue	Subject	Number	Issue	Subject
169-749-301	1	KS-21522 L11, L12, L21, L22 — 48 Volts, 800 Amperes — ITT-North Electric Company — Operating Methods	169-790-123	1	AT&T LINEAGE 2000 50-Ampere Ferroresonant Rectifier J85502B-1 Product Manual
169-749-311	1	KS-21522 L11, L12, L21, and L22 — 48 Volts, 800 Amperes — ITT-North Electric Company — Trouble Locating	169-790-125	1	180-Ampere, 50-Hertz Ferroresonant Rectifier J87439B-1 — Product Manual
169-749-501	1	KS-21522 — ITT-North Electric Company — DC Output (S1) Switch — Tests, Inspections, Cleaning, and Adjustments	169-790-126	2	AT&T Lineage 2000 150-Ampere, -48 Volt SR Series Rectifier Product Manual J85702E-1 (CC107187411)
<b>169-790 LINEAGE 2000</b>			169-790-132	1	AT&T LINEAGE 2000 400-Ampere, 60-Hertz Ferroresonant Rectifier J85503C-3 Product Manual (6-94)
169-790-103	1	LINEAGE® 2000 — Microprocessor Controlled System Battery Plant — Description	<b>LINEAGE 2000 (50Hz)</b>		
▲169-790-104	1	LINEAGE 2000 Rectifiers (J87434A, J87435A, J87436A, J87437A, J87438A, and J87439A)	169-791-113	1	AT&T LINEAGE® 2000 400 Ampere, -48 Volt, 50 Hz Ferroresonant Rectifier Product Manual J85603C-2 (CC107100828)
▲169-790-106	3	LINEAGE 2000 Rectifiers (J85502A, J85502B, J85502C, J85503A, J85503B, and J85503C)			
▲169-790-108	1	LINEAGE 2000 — J85603C Rectifier			
169-790-113	8	LINEAGE 2000 400 Ampere Rectifier			
169-790-115	2	AT&T LINEAGE 2000 100-Ampere, +24-Volt SR Series Rectifier Product Manual (2-93)			
169-790-116	1	AT&T LINEAGE 2000 100-Ampere, -24-Volt SR Series Rectifier Product Manual (2-93)			
169-790-117	3	AT&T LINEAGE 2000 50-Ampere, -48-Volt SR Series Rectifier Product Manual			
169-790-119	1	AT&T LINEAGE 2000 100-Ampere Ferroresonant Rectifier (J85503A-1) (5-93)			
169-790-120	1	LINEAGE 2000 200-Ampere Ferroresonant Rectifier (J85503B-1) Product Manual (1-93)			
▲169-790-121	1	LINEAGE 2000 125-Ampere Ferroresonant Rectifier Product Manual			
169-790-122	1	AT&T LINEAGE 2000 25-Ampere Ferroresonant Rectifier J85502A-1 Product Manual			

**Division 171**

**Power Circuits and Equipment**

**171-0 Indexes**

**171-1 Miscellaneous Power Circuits and Equipment**

Number	Issue	Subject
<b>171-0 Indexes</b>		
171-000-000	23	Numerical Index — Division 171 — Miscellaneous Power Circuits and Equipment
171-001-011	7	Equipment Test List — Miscellaneous Equipment — Power Systems

**171-1 Miscellaneous Power Circuits and Equipment**

171-105-501	1	Alarm and Transfer Circuit — Positive 24-Volt Supply — For Terminating Markers and Line Verification Trunks — Tests — No. 1 Crossbar Offices
Addendum	1	
171-110-701	4	Commutators, Collector Rings, Interrupters, and Brushes — Maintenance Requirements and Procedures
171-110-801	3	Commutators and Collector Rings — Resurfacing — Maintenance Procedures
171-110-802	14	Brush Replacements for Rotating Machines
171-115-501	2	Checking Load on Individual Leads

Number	Issue	Subject
Addendum	1	
171-116-301	1	KS-20744 — Temperature Sensing Labels
171-120-301	3	Power Failure Routine — Operating Methods
171-120-302	1	AC Power Failure — Operation Instructions — Guidelines for Individual Office Procedures
171-122-301	2	Power Load Recording Using the General Electric Company Type CF-2 Recorder — Model 8CF2AEA202 — Operating Methods
171-123-101	3	Test Loads for Power Equipment — Description
171-140-501	3	Emergency Lighting Equipment — Tests and Inspections

**Division 179****Signaling Circuits and Associated Ringer Circuits****179-0 Indexes, Administrative Procedures, and Equipment Test Lists****179-1 General Signaling and Compatibility Considerations****179-2 1600- or 2000-Cycle Single-Frequency Signaling Systems****179-3 2400- or 2600-Cycle Single-Frequency Signaling Systems****179-4 2600-Hz Single-Frequency Signaling System G-Type****179-6 Multifrequency****179-7 DC Signaling Systems**

Number	Issue	Subject	Number	Issue	Subject
			179-005-008	1	J99395EB 2-Wire Ringdown Unit (SFRD410DAA)
			179-005-009	1	J99395FA Private Line Automatic Ring Unit (SFRD220BAA)
			179-005-010	1	J99395FB 4-Wire Ringdown Unit (SFRD110AAA)
			179-005-011	1	J99395HA 4-Wire Duplex Signaling Unit (SFAX44HDAA)
			179-005-012	1	J99395LA 2-Wire Special Access unit (SFXTA20CAA)
			179-005-013	1	J99395LB 2-Wire Foreign Exchange, Gain Transfer Unit (SFXTV20EAA)
			179-005-014	1	J99395LC Special Access Signaling Unit (SFXTC20-EAA)
			179-005-015	1	J99395MA 4-Wire Transmission Only Unit (SFCTG30EAA)
			179-005-016	1	J99395MB Transmission Only Bypass Unit (SFCTGOODAA)
			179-005-017	1	J99395MC Transmission Only Bypass Unit (SFCTG30EAA)
			179-005-018	1	J99395NA 2-Wire Transmission Only Bypass Unit (4T9F10HBAA)
			179-005-019	1	J99395PA 4-Wire Extension Office End, Customer Line — Signaling Unit (SFXTA400AA)
			179-005-020	1	J99395PD 4-Wire GS/LS Special Access Tandem Unit (SFXTT50FAA)
			179-005-021	1	J99395RA Special Signaling Unit (SFXTA40DAA)
			179-005-022	1	J99395SA 2-Wire Special Access Unit (SFXTA20CAA)
			179-005-023	1	J99395SB 2-Wire Foreign Exchange, Gain Transfer Unit (SFXTV20EAA)
					<b>179-1 General Signaling and Compatibility Considerations</b>
			179-100-100	1	Transmission and Signaling Leads — Designations and Circuit Interfaces
			179-100-301	11	Signaling and Transmission Systems Compatibility Information — General
			Addendum	1	
			179-100-302	11	Digital Transmission Systems — D1 Channel Bank — Signaling Compatibility
179-000-000	39	Numerical Index — Division 179 — Signaling Circuits and Associated Ringer Circuits			
179-001-011	16	ETL — Signaling Circuits			
					<b>Data Sheets</b>
179-005-001	1	J99395AA 2-Wire 900-Ohm E&M Signaling Unit (SFEE900BAA)			
179-005-002	1	J99395AB 2-Wire 600-Ohm E&M Signaling Unit (SFEE600CAA)			
179-005-003	1	J99395BA 4-Wire 600-Ohm E&M Signaling Unit (SF60B00BAA)			
179-005-004	1	J99395BM 4-Wire Pulse Link Repeater (PLR) Unit (SFAXG3HCAA)			
179-005-005	1	J99395DA 2-Wire 900-Ohm Loop Reverse Battery Unit (SFDOGOOBAA)			
179-005-006	1	J99395DA 2-Wire 900-Ohm Loop Reverse Battery Unit (SFDTG0BAA)			
179-005-007	1	J99395EA Private Line Automatic Ring Unit (SFRD320CAA)			

Number	Issue	Subject	Number	Issue	Subject
179-100-303	6	V4 Telephone Repeater — Signaling Compatibility	179-210-501	4	Overall Pulsing and Supervisory Tests Using No. 2A or 2B Signaling Test Set on E and M Leads
Addendum	2				
179-100-304	11	Signaling Compatibility — Type E Signaling System	179-215-301	4	Circuits SD-55954-01 and SD-55954-02 — Analysis and Clearance of Trouble
179-100-305	8	E-Type Repeater — Signaling Compatibility	179-215-501	4	Circuits SD-55954-01 and SD-55954-02 — Out-of-Service tests
179-100-306	7	F-Type Signaling System — FW_ Signaling Units — Signaling Compatibility	179-215-701	4	Circuits SD-55954-01 and SD-55954-02 — Requirements and Adjusting Procedures
Addendum	1				
179-100-307	3	T-Carrier System — D2 Channel Bank — Signaling Compatibility	179-217-301	2	Circuit SD-56202-01 — Analysis and Clearance of Trouble
179-100-308	4	Type F Signaling System — FU_ and Auxiliary Units — Signaling Compatibility	179-217-501	3	Circuit SD-56202-01 — Tests
179-100-309	4	DX Signaling Systems — Signaling Compatibility	179-217-701	2	Circuit SD-56202-01 — Requirements and Adjusting Procedures
Addendum	1				
179-100-310	4	Digital Transmission Systems — D3 Channel Bank — Signaling Compatibility	<b>179-3 2400- or 2600-Cycle Single-Frequency Signaling Systems</b>		
179-100-311	2	Digital Transmission Systems — D4 Channel Bank — Signaling Compatibility	① 179-300-501	1	Signal Converter Circuit SD-5G149-01 — Tests
179-100-312	1	Type G Signaling System — Signaling Compatibility	179-301-301	1	Supply Circuits — Trouble Clearing Procedures
① 179-123-501	1	TASI Signal Converter Tests — Using TASI Signal Converter Selector Circuit — SD-56529-01	179-301-501	3	Supply Circuits — Tests
			Addendum	1	
			179-302-501	4	Signaling Tests — Type E and F — Using 2B Signaling Test Set (J64730)
			179-302-502	1	Signaling Tests — Type E and F — Using 4A Signaling Test Set (J94743)
			179-303-301	3	Circuits — Analysis and Clearance of Trouble
<b>179-2 1600- or 2000-Cycle Single-Frequency Signaling Systems</b>			179-305-501	5	2400- or 2600-Hertz Supply Circuit (SD-98092-01) 2000-Hertz Supply Circuit (SD-98081-01) — Load Transfer Circuit (SD-98091-01) — In-Service Tests
179-201-101	1	Equipped With Signaling Circuit SD-56202-01 — General Description	179-306-101	1	Multichannel Tone Test Unit — SD-7C004-01 — Description
179-202-101	1	Equipped With Signaling Circuit SD-56202-01 — Detailed Circuit Operation	179-306-501	1	Multichannel Tone Test Unit — SD-7C004-01 — Tests
179-205-301	2	Supply Circuit SD-55962-01 — Alarm Routine, Manual Transfer, and Trouble Clearing Procedures	179-310-501	1	Circuit SD-56202-02 — Tests
179-205-501	4	Supply Circuit SD-55962-01 — Tests	179-310-701	1	Circuit SD-56202-02 — Requirements and Adjusting Procedures
179-206-301	1	Supply Circuit SD-56239-01 — Trouble Clearing Procedures	179-312-501	4	Circuit SD-56292-01 — Out-of-Service Tests Using Signaling Testing Circuit SD-56335-01
179-206-501	1	Supply Circuit SD-56239-01 — Tests			



Number	Issue	Subject	Number	Issue	Subject
179-312-502	3	Circuit SD-56292-01 — In Service Tests	179-320-503	1	2600-Hz E1C or E2C — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 4A Signaling Test Set SD-1C244-01 (J94743A)
179-313-101	1	E-Type — Test Extender SD-99384-01 — Description	179-322-501	1	2600-Cycle E1D — Out-of-Service Tests Using Testing Circuits SD-95874-01 and SD-57335-01
179-314-501	5	Types E1A, E1B, E2B, E3B, E4B, E1C, E2C, E3C, E4C, E5C, E1D, E2D, E3D, E4D, E5D, E1J, E1L, E2L, E1P, E1R, E1S, E2S, and E3S — In-Service Tests	Addendum	1	
179-315-501	4	E-Type Signaling Test Circuit — SD-96519-01 and SD-96519-02 — Tests	179-322-502	6	2600-Hz E1D, E2D, or E3D — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 2B Signaling Test Set J-64730B
Addendum	2		179-322-503	1	2600-Hz E1D, E2D, or E3D — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 4A Signaling Test Set SD-1C244-01 (J94743A)
179-316-501	3	2400- or 2600-Cycle E1B, E2B, or E3B — Out-of-Service Tests Using Testing Circuits SD-56335-01 and SD-95874-01	179-324-501	6	2600-Hertz E1E — (SD-98088-01 or SD-98088-02) — Out-of-Service Tests Using Testing Circuit — (SD-96519-01 or SD-96519-02)
Addendum	2		Addendum	1	
179-316-502	6	2400-Hz or 2600-Hz E1B, E2B, E3B, or E4B — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 2B Signaling Test Set J-64730B	179-324-502	3	2600-Cycle E1E — (SD-98088-01 or SD-98088-02) — In-Service Tests Using Testing and Monitoring Circuit — (SD-96519-01 or SD-96519-02)
179-316-503	2	2400- or 2600-Hz E1B, E2B, E3B, or E4B — Out-of-Service Test Using Testing Circuit SD-96519-01 or SD-96519-02 and 4A Signaling Test Set SD-1C244-01	179-326-501	5	2600-Cycle E1F — SD-98089-01 or SD-98089-02 — Out-of-Service Tests Using Testing Circuit — SD-96519-01 or SD-96519-02
179-318-501	1	2600-Cycle E1A — Out-of-Service Tests Using Testing Circuits SD-56335-01 and SD-95874-01	Addendum	1	
Addendum	1		179-326-502	3	2600-Cycle E1F — SD-98089-01 or SD-98089-02 — In-Service Tests Using Testing and Monitoring Circuit — SD-96519-01 or SD-96519-02
179-318-502	3	2600-Hz E1A — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 2B Signaling Test Set J-64730B	Addendum	1	
179-318-503	1	2600-Cycle E1A — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 4A Signaling Test Set (SD-1C244-01) J-94743	179-327-501	1	2600-Hz E1J Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 2B Signaling Test Set J-64730B
179-320-501	1	2600-Cycle E1C — Out-of-Service Tests Using Testing Circuits SD-95874-01 and SD-56335-01	179-327-502	1	2600-Cycle E1J — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 4A Signaling Test Set (J94743)
179-320-502	8	2600-Hz E1C or E2C — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 2B Signaling Test Set J-64730B			

Number	Issue	Subject	Number	Issue	Subject
179-328-501	6	2600-Hz E1L and E2L — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02	179-363-301	4	Adjustment Procedures for FUD Signaling Converter Unit
179-328-502	6	E1L-A and E2L-A Auxiliary Signaling Circuits — Out-of-Service Tests Using Testing Circuit — SD-96519-01 or SD-96519-02	179-364-101	5	E and M and Loop Auxiliary Units — Description — Type F Signaling System
179-330-501	6	2600-Hz E1S, E2S, and E3S — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02	179-365-101	7	Special Access Auxiliary Units — Description — Type F Signaling System
Addendum	1		Addendum	1	
179-330-502	3	E1S-A and E2S-A Auxiliary Signaling Circuits — Out-of-Service Tests Using Test Circuit — SD-96519-01 or SD-96519-02	179-366-101	5	Signaling Bypass Auxiliary Units — Description — Type F Signaling System
179-331-101	2	2600-Hz E1P — Description	Addendum	1	
179-332-101	2	2600-Hz E1R — Description	179-367-101	3	DX Auxiliary Units — Description — Type F Signaling System
Addendum	1		179-368-101	4	20-Hz Ringdown Auxiliary Unit — Description — Type F Signaling System
179-353-501	3	2600-Hz E3C, E4C, or E5C — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02	<b>179-4 2600-Hz Single-Frequency Signaling System G-Type</b>		
179-354-501	3	2600-Hz E4D E5D — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02	179-400-100	2	J99395 Common Systems — Description — Type G 2600-Hz Single Frequency Signaling
179-355-101	1	Carrier Group Alarm — Trunk Release and Make-Busy Circuit (SD-5G423-01) — General Description	179-401-100	1	G-Signaling Common Control Unit — J99395YA — Description
179-360-100	2	Type F Single Frequency Signaling System — General Description	Addendum	1	
179-360-101	1	Type F Signaling — 2600-Hz Tone Supply and Transfer — Circuit SD-1C224-01 — Description	179-405-100	2	J99395AA, AB, BA, and BM—E and M Lead Signaling Units — Description
179-360-501	3	2600-Hz Tone Supply and Transfer Circuit — Tests — Type F Signaling System	179-406-100	1	J99359CA and DA Loop Reverse Battery Signaling Units — Description
Addendum	1		179-407-100	2	J99395LA, LB, LC, and PA Special Access Signaling Units — Description
179-361-101	3	Signaling Test Extender for Use With Type F Signaling Units — Description	179-407-101	1	J99395SA, SB, and RA Special Access Units — Description
179-362-101	3	2600 Hz FWA, FWB, and FWC SD-1C225-01 and SD-1C583-01 — Description	179-407-501	1	J99395LB, PA, RA, and SB Signaling Units With Equalization or Gain Transfer — Adjustment Procedures
179-363-101	3	Signaling Converter Units — Description — Type F Signaling System	Addendum	1	
			179-407-502	1	J99395LB, PA, RA, and SB Signaling Units — Prescription Settings for Precision Balance — Network and Equalizers
			179-408-100	1	J99395HA 4-Wire Duplex Signaling Unit — Description and Adjustment Procedure

Number	Issue	Subject	Number	Issue	Subject
179-409-100	1	J99395EA and FA Private Line Automatic Ring Units — Description	179-615-505	2	Dual Channel Receiver Circuit SD-26348-05 — Tests — No. 3 and No. 5A Crossbar Offices
179-409-101	1	J99395EB and FB 20-Hz Ring-down Units — Description — Type G Signaling System	179-615-701	4	Dual Channel Receiver Circuit SD-95956-01 — (For Coin Control and Ringing Signal Detection) — Adjusting Procedure Using the 72A Frequency Meter SD-59373-01 (J64072A)
179-410-100	1	J99395MA, MB, MC, and NA Transmission Only Bypass Units — Description			
Addendum	1				
179-411-100	1	J99395PD 4-Wire GS/LS Special Access Tandem Unit — Description			
<b>179-6 Multifrequency</b>			<b>179-7 DC Signaling Systems</b>		
179-602-301	3	Current Supply and Distribution Circuit SD-95391-01 — Alarm Routine	179-701-101	1	Description
179-602-501	10	Current Supply and Distribution Circuit SD-95391-01 — Tests	179-702-101	1	Composite and Simplex Signaling Arrangements — Description
179-602-502	1	Multifrequency Current Supply and Distribution Circuit SD-95391-01 Without Transfer and Alarm Circuits — Tests	179-708-501	1	Intertoll Dialing — Type B, CX, DX, and SX Signaling Circuit — Overall Pulsing Tests — Using Pulse Repeating Test Set (SD-64540-01) on E and M Leads
179-602-503	1	Auxiliary Multifrequency Supply and Distribution Circuit SD-1C450-01 — Tests and Alarm Routine	179-708-502	1	Intertoll Dialing — Type B, CX, DX, and SX Signaling Circuit — Overall Pulsing Tests — Using 2B Test Set SD-56134-02 (J64730) on E and M Leads
179-603-501	5	Signal Generator SD-95867-01 — Tests	179-708-504	1	Intertoll Dialing — Type B, CX, and SX Signaling Circuit — Overall Dialing Trunk Pulsing Test — Using Pulse Repeating Test Set (SD-65450-01) on 2-Way Trunk Test Jack
179-604-301	3	Pulsing Supply J98608 — Alarm Routine	179-708-505	1	Intertoll Dialing — Type B, CX, DX, and SX Signaling Circuit — Overall Dialing Trunk Pulsing Test — Using 2B Test Set SD-56134-02 (J64730) on 2-Way Trunk Test Jack
179-604-501	4	Pulsing Supply SD-95086-01 (J98608) — Tests	Addendum	1	
179-606-501	2	(2/6 and 4 x 4) Signal Generator SD-99328-01 — Tests	179-708-507	1	Intertoll Dialing — Type B, CX, and SX Signaling Circuits — Overall Dialing Trunk Pulsing Test From Toll Testboards
Addendum	1				
179-610-701	5	Signaling Receiving Circuit SD-95087-01 — Adjustment Procedures	179-708-508	1	Intertoll Dialing — Type B, CX, and SX Signaling Circuits — Overall Dialing Trunk Pulsing Test From Toll Testboards
179-612-501	6	Signaling — Receiving Circuit — Filament Alarm and Emergency Transfer Circuit Tests	179-721-501	3	Loop Signaling Converter — Originating Line, SD-98130-01 — Tests — Wide Area Data Service (WADS) Using Station Arrangement A
179-612-701	12	Multifrequency (MF) Signaling-Receiving Circuit SD-95536-01 — Adjusting Procedure Using Adjusting Circuit SD-95664-01			
179-612-702	9	Multifrequency (MF) Signaling-Receiving Circuit SD-95536-01 — Adjusting Procedure Using Adjusting Circuit SD-95779-01			

Number	Issue	Subject
179-722-501	3	Loop Signaling Converter Terminating Line, SD-98131-01 — Tests — Wide Area Data Service (WADS) Using Station Arrangement A
179-724-501	2	M-Lead Pulse Corrector — SD-99766-01 — Out-of-Service Tests

**Division 190****Operations Support Systems Operation, Maintenance, and Administration****190-0 Index and Equipment Test Lists**

- 000 Index
- 001 Equipment Test Lists
- 005 Administrative Processes
- 099 Customer Information Releases (CIRs)

**190-1 Operational Support Systems**

- 101 CMS (Circuit Maintenance System 3A)
- 102 CAROT (Centralized Automatic Reporting on Trunks) 2/Generic 2 (Centralized Automatic Reporting on Trunks)
- 103 CAROT 2/Generic 3 (2CAROT3), Generic 4 (2CAROT4), Generic 5 (2CAROT5) and Generic 6 (2CAROT6) (Centralized Automatic Reporting on Trunks)
- 104 RTTU/CTTU (Remote Trunk Test Unit/Central Trunk Test Unit)
- 105 ATA (Automatic Trouble Analysis)
- 106 MDT (Maintenance Data Transmitter)
- 107 Programmable Scanner/Distributor — ATA (Automatic Trouble Analysis)
- 108 TREAT (Trouble Report Evaluation and Analysis Tool) System
- 109 TERESA (Trouble Evaluation and Resolution via Expert System Applications)
- 110 No. 2 SCCS — Applications
- 130 SCC (Switching Control Centers)
- 135 BILLDATS® II Collector
- 136 BILLDATS Common Equipment
- 140 Frame Control Center — Frame Work Station
- 141 CAROT-Digital (Centralized Automatic Reporting on Trunks-Digital)

**190-2 Surveillance and Control Systems**

- 200 TCAS (T Carrier Administration System)
- 201 Alarm Centers
- 202 FMAC (Facility Maintenance and Administration Center)

- 203 SFMAC (Satellite Facility Maintenance Administration Center)
- 205 SCOTS (Surveillance and Control of Transmission Systems)
- 206 TMAS
- 207 COMPULERT®
- 208 TRANSVU II Network Surveillance and Control Systems
- 209 ACORN® Network Control System
- 210 TASC (Telecommunications Alarm Surveillance and Control) System
- 211 DACSCAN™
- 215 TOPAS® (Testing Operation Provisioning Administration System)
- 216 CONNECTVU
- 220 RMMS (Regional Maintenance Management System)

**190-3 Central Office Maintenance Management**

- 305 COMMS (Central Office Maintenance Management System) — Preventive Maintenance
- 306 SCANS (Software Change Administration and Notification System)
- 307 COER (Central Office Equipment Reports)

**190-4 Network Operations Systems**

- 401 NSC (Network Service Center)
- 402 LSU (Local Storage Unit) and CMDR (Centralized Message Detail Recorder)
- 404 Network Support — Electronic Tandem Network
- 406 NTMS (Network Traffic Management System)
- 407 FASTAR (Fast Automatic Restoration)
- 408 MFOS (Multifunction Operations Systems)
- 190-411 IN-SMS (Intelligent Network - Service Management System)
- 417 RAPID (Restoration And Provisioning Intrgrated Design)
- 420 ESP (Enhanced Services Platform)
- 422 TNM (Total Network Management)

**190-5 Engineering and Administration Systems**

- 510 EADAS (Engineering and Administrative Data Acquisition System)
- 511 EADAS 1A (Engineering and Administrative Data Acquisition System — 1A)

- 512 EADAS/NORGEN (Engineering and Administrative Data Acquisition System — Network Operations Report Generator)
  - 514 SONDS (Small Office Network Data System) and PDT-2A (Pollable Data Terminal No. 2A)
  - 519 NAC (Network Administration Center)
  - 520 COSMOS (Computer System for Main Frame Operations) — Network Administration
  - 521 RMAS (Remote Memory Administration System) and RMAP (Remote Memory Administration Position)
  - 540 EADAS/NM (Engineering and Administrative Data Acquisition System/Network Management)
- 190-7 Integrated and Force Administration System**
- 701 IFFAS (Integrated Facilities and Force Administration System)

**190-0 Index and Equipment Test Lists**

**190-000 Index**

Number	Issue	Subject
190-000-000	51	Numerical Index — Division 190 — Operations Support Systems — Operation, Maintenance, and Administration (5-95)

**190-001 Equipment Test Lists**

Number	Issue	Subject
190-001-011	7	Engineering and Administration Data Acquisition System (EADAS)
190-001-012	1	Automatic Trouble Analysis (ATA) — Operations Support and Processors
190-001-013	1	Automatic Trouble Reporting System (ATRS) — Operations Support and Processors
190-001-014	2	No. 2 Switching Control Center System
190-001-015	1	Centralized Automatic Reporting On Trunks (CAROT) Operations
190-001-016	1	Integrated Facilities and Force Administration (IFFAS) — Operations Support and Processors
190-001-017	1	T-Carrier Administration System (TCAS) — Operations Support and Processors

Number	Issue	Subject
<b>190-005 Administrative Processes</b>		
190-005-100	1	Supply and Demand Management Process (8-93)
<b>190-099 Customer Information Releases (CIRs)</b>		
190-099-011TD	4	COMPULERT® Computer Administration System, Operations Systems
190-099-015TD	4	MACSTAR® I Software, End Customer Management System (ECMS), Operations Systems
190-099-040TD	3	MACSTAR II Software End Customer Management System (ECMS), Operations Systems
190-099-053TD	1	SCCS 2B Host Generic 12 and Control Equipment No. 3 Generic 3, Operations Systems

**190-1 Operational Support Systems**

**190-101 CMS (Circuit Maintenance System 3A)**

**General Description**

Number	Issue	Subject
190-101-100	3	Special Service Center (SSC)
190-101-110	1	Software
190-101-112	1	Circuit Identification (CID) Reconciliation Guidelines
190-101-113	2	Data Merge Guidelines for TIRKS and SSS Load Tapes
190-101-120	2	Features

**Terminal Commands — Special Service Center**

Number	Issue	Subject
190-101-125	3	Indexes
190-101-130	3	000 Through 099 — Logon/Logoff and System Administration Commands
190-101-131	3	100 Through 199 — Activation and Deactivation Applications
190-101-132	3	200 Through 299 — Work List Applications
190-101-133	3	300 Through 399 — Maintenance Manual Entry Commands
190-101-134	3	400 Through 499 — Document Access Commands
190-101-135	3	500 Through 599 — Installation Manual Entry Commands Applications

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		Addendum	1	
190-101-137	1	700 Through 799 — Interface Message Applications	190-102-206	2	SELEC Program
190-101-138	3	800 Through 899 — Job Aids	190-102-207	1	Report Program Generator (RPG)
190-101-139	3	900 Through 999 — Administrative Reports	▲190-102-301	2	Controller — Generic 2, Issue 3 — Operating Procedures
<b>System Messages and Operation</b>			▲190-102-305	2	Remote User Terminal Operating Procedures
190-101-150	2	System Output Messages — Special Service Center	190-102-500	3	System Trouble-Locating Procedures
190-101-160	3	System Administration Functions — Special Service Center	190-102-501	2	Generic 2, Issue 5 — System Recovery Strategy
190-101-161	1	Analysis Report Generator — Description	190-102-502	1	Remote-User Port Diagnostic Test Descriptions
190-101-162	1	Report Generator — Description	<b>190-103 CAROT 2/Generic 3 (2CAROT3), Generic 4 (2CAROT4), Generic 5 (2CAROT5) and Generic 6 (2CAROT6) (Centralized Automatic Reporting on Trunks)</b>		
190-101-170	3	System Operator — Description and Operating Procedures	Addendum	1	
190-101-175	1	Operations Systems — MMOC Operator's Handbook	190-103-015	3	2CAROT3 — Analysis of Test Results
190-101-180	2	Maintenance, Trouble Analysis, and Correction	Addendum	1	
<b>190-102 CAROT 2/Generic 2 (Centralized Automatic Reporting on Trunks)</b>			190-103-017	1	2CAROT4 — Analysis of Test Results
190-102-010	2	TOSC Operations and Administration	190-103-018	1	2CAROT5 — Analysis of Test Results
190-102-015	3	Analysis of Test Results — CAROT Center and Remote User	190-103-100	2	2CAROT3 — General System Description
Addendum	1		Addendum	1	
190-102-100	3	General System Description	190-103-103	2	2CAROT3 — Remote-User Terminal — Description and Operation
Addendum	1		190-103-105	3	2CAROT3 — CAROT/CMS Interface Description
190-102-103	1	Remote-User Terminal — Description and Operation	190-103-110	1	2CAROT4 — General System Description
Addendum	1		190-103-113	1	2CAROT4 — Remote-User Terminal — Description and Operation
190-102-201	1	Data Base Administration	190-103-115	1	2CAROT4 — CAROT/CMS Interface Description
Addendum	1		190-103-120	1	2CAROT5 — General System Description
190-102-202	2	CAROT 2 Controller Administration	190-103-123	1	2CAROT5 — Remote-User Terminal — Description and Operation
Addendum	2		190-103-125	1	2CAROT5 — CAROT/CMS Interface Description
190-102-203	2	Data Base (Generic 2) — Description and Requirements			
Addendum	1				
190-102-204	1	Circuit Order Activity — Implementation and Description			
Addendum	1				
190-102-205	1	Test Editor Program			

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		190-103-230	1	2CAROT5 — Installation and Acceptance Procedures
190-103-201	3	2CAROT3 — Data Base Administration	▲Addendum	1	
Addendum	1		▲190-103-300	1	2CAROT3 — Operating Procedures
190-103-202	3	2CAROT3 — CAROT 2 Controller Administration	▲190-103-305	1	2CAROT3 — Remote-User Terminal Operating Procedures
190-103-203	3	2CAROT3 — Data Base Description and Transactions	190-103-310	1	2CAROT3 — Console Output Message Manual
190-103-204	1	2CAROT3 — Circuit Order Activity — Implementation and Description	▲Addendum	2	
190-103-205	1	2CAROT3 — Text Editor Program	▲190-103-405	1	CAROT 2 — Generics 4 and 5 — Remote-User Terminal — Operating Procedures Centralized Auto. Reporting on Trunks
190-103-206	2	2CAROT3 — SELEC Program	190-103-410	1	2CAROT4 — Console Output Message Manual
190-103-207	1	2CAROT3 — Report Program Generator (RPG) Description	190-103-500	1	2CAROT3 — System Trouble-Locating Procedures
190-103-210	2	2CAROT3 — Installation Planning and Procedures	190-103-501	1	2CAROT3 — System Recovery Strategy
190-103-211	1	2CAROT4 — Data Base Administration	190-103-502	1	2CAROT3 — Remote-User Port Diagnostic Test Descriptions
190-103-212	1	2CAROT4 — Controller Administration	190-103-510	1	2CAROT5 — Console Output Message Manual
190-103-213	1	2CAROT4 — Data Base Description and Transactions	190-103-511	1	2CAROT5 — System Recovery Strategy
190-103-214	1	2CAROT4 — Circuit Order Activity — Implementation and Description	190-103-512	1	2CAROT5 — System Trouble-Locating Procedures
190-103-215	1	2CAROT4 — Text Editor Program			
190-103-216	1	2CAROT4 — SELEC Program	<b>190-104 RTTU/CTTU (Remote Trunk Test Unit/Central Trunk Test Unit)</b>		
190-103-217	1	2CAROT4 — Report Program Generator	<b>Overall System Configuration/Requirements</b>		
Addendum	1		190-104-100	1	Overall System Description
190-103-220	1	2CAROT4 — Installation and Acceptance Procedures	190-104-101	1	Remote Trunk Test Unit — Frame Description — 2-Wire 1/1A ESS™ Switch, 1/1A ESS Switch With HILO 4-Wire Feature, and 2/2B ESS Switch
190-103-221	1	2CAROT5 — Data Base Administration	190-104-103	1	Maintenance and Trouble Locating Procedures — 5XB, SXS, and 3 ESS Switch
190-103-222	1	2CAROT5 — Controller Administration	190-104-201	1	Performance Test Requirements
190-103-223	1	2CAROT5 — Data Base Description and Transactions			
190-103-224	1	2CAROT5 — Implementation and Description	<b>Remote Trunk Test Unit — Acceptance Tests</b>		
190-103-225	1	2CAROT5 — Text Editor Program	190-104-202	1	1/1A ESS Switch
190-103-226	1	2CAROT5 — Selec Program	190-104-203	1	2/2B ESS Switch
190-103-227	1	2CAROT5 — Report Program Generator	190-104-204	1	5ESS® Switch



Number	Issue	Subject	Number	Issue	Subject
<b>Mini-Remote Trunk Test Unit — Acceptance Tests</b>			<b>190-106 MDT (Maintenance Data Transmitter)</b>		
190-104-205	1	3 ESS Switch	190-106-101	1	SD-28111-01 — Description — No. 5 Crossbar Offices Arranged for ATA
190-104-206	1	Step-by-Step Switch	190-106-102	1	SD-28129-01 — Description — No. 5 Crossbar Offices With Office Test Frame (OTF) Arranged for Automatic Trouble Analysis (ATA)
190-104-207	1	No. 5 Crossbar Switch	190-106-111	3	SD-28110-01 — Description — No. 1 Crossbar Offices Arranged for Automatic Trouble Analysis (ATA)
<b>Central Trunk Test Unit — Operating Procedures</b>			Addendum	1	
▲190-104-301	1	General	190-106-301	2	Trouble Locating Procedure — No. 5 Crossbar
▲190-104-302	1	1/1A ESS Switches	Addendum	1	
▲190-104-303	1	2/2B ESS Switches	190-106-311	3	Trouble Locating Procedure — No. 1 Crossbar
▲190-104-304	1	5ESS Switches	190-106-501	2	No. 5 Crossbar Offices With Master Test Frame (MTF) Arranged for Automatic Trouble Analysis (ATA) Acceptance Tests
▲190-104-305	1	3 ESS Switches	190-106-502	1	Acceptance Tests — No. 5 Crossbar Offices With Office Test Frame (OTF) Arranged for Automatic Trouble Analysis (ATA)
▲190-104-306	1	Step-by-Step Switches	190-106-511	2	Acceptance Tests — No. 1 Crossbar Offices Arranged for Automatic Trouble Analysis (ATA)
▲190-104-307	1	No. 5 Crossbar Switches	<b>190-107 Programmable Scanner/Distributor — ATA (Automatic Trouble Analysis)</b>		
<b>Remote Trunk Test Unit — Maintenance and Trouble Locating Procedures</b>			190-107-101	2	SD-94844-01 — Description
190-104-501	1	2/2B ESS Switch	Addendum	1	
190-104-502	1	2-Wire 1/1A ESS Switches and 1/1A ESS Switches With HILO 4-Wire Feature	190-107-301	2	Trouble-Locating Procedures
190-104-503	1	5XB, SXS, and 3 ESS Switch	<b>190-108 TREAT (Trouble Report Evaluation and Analysis Tool) System</b>		
190-104-504	1	Overall System Tests	190-108-005	1	Central Office Reports — Description
<b>190-105 ATA (Automatic Trouble Analysis)</b>			<b>190-109 TERESA (Trouble Evaluation and Resolution via Expert System Applications)</b>		
190-105-101	2	Description	■ 190-109-105AC	1	TERESA (Trouble Evaluation and Resolution via Expert System Applications) (4-89)
190-105-301	3	Input Commands/Output Messages			
190-105-302	3	Operating Procedures			
190-105-310	3	System Arranged With PDP* — 11/40 Processor Computer Center Operating Procedures			
190-105-311	4	Computer System Generation			
190-105-312	2	Computer Trouble Sectionalizing and Recovery			
190-105-313	4	Computer Input Commands/Output Messages			
190-105-314	3	PDP - 11/70 Computer Operating Procedures			
190-105-501	1	Computer Acceptance Tests			
190-105-502	2	PDP - 11/70 Computer Acceptance Tests			

\* PDP is registered trademark of Digital Equipment Corporation

Number	Issue	Subject
<b>190-110/129 No. 2 SCCS (Switching Control Center System) — Applications</b>		
<b>General Information</b>		
■ 190-110-010	13	SCCS UNIX®* Tape 2BSC 13
190-110-110	9	Common Application — Description
190-110-120	1	Computer Subsystem — Administrative Guidelines
190-110-121	1	Computer Subsystem — System Administrator Procedures
190-110-302	3	Computer Subsystem and Control Equipment — Hardware Check
190-110-305	1	Control Equipment — T Cabinet Operation and Maintenance
190-110-310	5	Computer Subsystem and Control Equipment — Hardware Operation and Reconfiguration
190-110-314	3	Common Equipment — Troubleshooting Procedures
190-110-321	4	Computer Subsystem and Control Equipment — System Acceptance Tests and Operational Test Procedures
<b>4ESSTM Switch</b>		
190-111-110	3	Description
<b>1A ESSTM Switch</b>		
190-112-110	3	Description
190-112-340	3	Operational Test Procedures
190-112-341	2	System Recovery Procedure
<b>1 ESS Switch</b>		
190-113-110	4	Description
190-113-125	1	Multiple Message Alerting (MMA) — Administration Procedures
Addendum	4	
190-113-310	2	Operating and Diagnostic Test Procedure
190-113-311	2	Emergency Action Procedures
190-113-312	2	Analysis of Network Failures and TN08 Messages
190-113-313	1	Trunk Maintenance Package (TRUMP) — Procedures
Addendum	1	
190-113-314	1	Network Analysis Operational Procedures

Number	Issue	Subject
190-113-315	2	TN08 Messages Analysis Procedures — Operation, Maintenance, and Administration
190-113-340	3	Operating and Diagnostic Test Procedures
Addendum	1	
190-113-341	1	Emergency Action Procedure
<b>Traffic Service Position System No. 1</b>		
190-114-110	2	Description
190-114-310	2	Central Office Interconnect — Operation and Test Procedures
■ 190-114-311	2	Emergency Action Procedures
190-114-340	1	Control Console No. 1A — Operation and Test Procedures
■ 190-114-341	1	Control Console No. 1A — Emergency Action Procedures
<b>2 ESS Switch</b>		
190-115-110	2	Description
190-115-310	1	Operation and Test Procedures
190-115-311	2	Emergency Action Procedures
Addendum	1	
190-115-340	2	Control Console No. 1A/2A — Operation and Test Procedures
190-115-341	3	Emergency Action Procedures
<b>2B ESS Switch</b>		
Addendum	1	
190-116-110	1	Description
Addendum	1	
190-116-340	1	Operation and Test Procedures
190-116-341	3	Emergency Action Procedures
<b>3 ESS Switch</b>		
190-117-110	2	Description
190-117-340	2	Operating and Test Procedures
190-117-341	2	Emergency Action Procedures
190-117-342	2	Operating and Test Procedures — Generic 3E3 and Later Issues
<b>AIS (Automatic Intercept System)</b>		
190-118-110	1	Automatic Interrupt System (AIS) Application — Description
190-118-340	1	Operation and Test Procedures
190-118-341	1	Emergency Action Procedures (Control Console)

Number	Issue	Subject	Number	Issue	Subject
<b>101 ESS Switch</b>			<b>DMS -100 Switch Application</b>		
190-119-110	1	Description	190-129-410	1	Description
190-119-310	1	Operation and Trouble Analysis Procedures	<b>190-130 Switching Control Centers (SCC)</b>		
190-119-311	1	Emergency Action Procedure	190-130-010	1	SPCS/SCC Control Maintenance Plan — Network Maintenance Plan
<b>Peripheral Data Storage Processor</b>			190-130-110	1	Introduction, Planning, and Implementation — Network Maintenance Management
190-120-110	1	Description	190-130-111	1	Guide for Switching Control Center Implementation and Cut-over Scheduling — Network Maintenance Management
190-120-340	1	Operational Test Procedure	190-130-112	1	Administrative Guidelines — Stored Program Control System — Network Maintenance Management
190-120-341	1	Enhanced 911 and Enhanced Private Switched Communication Service — System Recovery Procedure — No. 2 Switching Control Center System	190-130-113	1	Rural Switching Control Center Administrative Guide — Network Maintenance Management
<b>5ESS Switch</b>			190-130-115	2	Organizational Sizing of Switching Control Centers
190-122-110	3	Description	190-130-120	2	Organization and Responsibility Guidelines
<b>Traffic Service Position System No. 1B</b>			Appendix 1	1	Performance Standards — Description
190-123-110	3	Description	Appendix 2	1	Work Assignment Lists — Description
<b>Network Control Point</b>			Appendix 3	1	Manager and Supervisor Job Summaries — Descriptions
190-124-110	1	Description	190-130-121	1	Alarm Surveillance Guides — Ordering Information
<b>Digital Access and Cross-Connect System</b>			■ 190-130-122AC	2	Remote Work Center (RWC) — Operating Guidelines
190-125-110	3	Description	■ Appendix 1AC	1	Notification and Escalation Guidelines for Network Maintenance
190-125-311	2	Emergency Action Procedure	■ Appendix 2AC	1	Network Maintenance Guidelines — RWC Staffing
190-125-340	2	Operating and Test Procedures	■ Appendix 3AC	1	RWC Interface Responsibilities for AT&T Services
<b>D5 Channel Bank</b>			■ 190-130-123AC	1	Network Maintenance Guidelines — Remote Work Center Operational Review
190-126-110	1	Description	■ Appendix 1AC	1	RWC Office Profile
<b>AUTOPLEX® System 100</b>			■ Appendix 2AC	1	Coordinator's Checklist and Interview Work Sheets
190-127-110	1	Description	■ Appendix 3AC	1	Review Feedback Sheets
190-127-340	1	Operational Test Procedures			
190-127-341	1	Emergency Action Procedure			
<b>DMS -10 Switch</b>					
190-128-110	2	Description			
<b>No. 1 PSS (No. 1 Packet Switch System)</b>					
190-129-110	2	Description			
<b>Signal Transfer Points (STPs)</b>					
190-129-210	1	No. 1 — Description			
190-129-310	1	No. 2 — Description			

Number	Issue	Subject	Number	Issue	Subject
■ Appendix 4AC	1	Interview — Operations Manager	Addendum	1	
■ Appendix 5AC	1	Interview — Supervisor — General	190-130-160	1	Work Load and Force Measurement Plan — Network Maintenance Management
■ Appendix 6AC	1	Interview — Supervisor — System Administrator	190-130-200	1	SCC/SCCS Centralized Trunk Operation
■ Appendix 7AC	1	Interview — Technician — General	190-130-202	1	Enhanced Private Switched Communications Service Procedures — Operation, Maintenance, and Administration
■ Appendix 8AC	1	Interview — STP — Supervisor and Technician	190-130-203	1	No. 1/1A ESS Remote Trunk and Line Test Procedures Using Remote Trunk Test Interface (SD-1A485-01)
■ Appendix 9AC	1	Interview — NCP — Supervisor and Technician	190-130-204	1	Customer Service Administrative Control Center (CSACC) — EPSCS Network Status System (CENSS)
■ Appendix 10AC	1	Interview — DCO — Supervisor and Technician	190-130-205	1	Electronic Tandem Network Service Procedures
■ Appendix 11AC	1	Interview — TSPS — Supervisor and Technician	190-130-300	1	Centralized Trunk Operation — Central Office Maintenance Management — Electromechanical
■ Appendix 12AC	1	Interview — 1PSS — Supervisor and Technician	Addendum	1	
■ Appendix 13AC	1	Interview — 4ESS™ — Supervisor and Technician	190-130-301	1	Electromechanical Centralized Switch Operations — Network Maintenance Management
■ Appendix 14AC	1	Interview — 5ESS® — Supervisor and Technician			
190-130-130	2	Administrative Procedures			
190-130-131	2	Pricing Guides Ordering Information — Network Maintenance Management			
190-130-133	1	Dispatch and Administration Procedures			
190-130-135	1	Operations Guide — 24-Hour Switching Control Center — Operations Support Systems			
190-130-140	1	Work Schedule — Form E-6837 — Preparation and Use — Network Maintenance Management			
190-130-143	1	Network Maintenance Management Plan — Operational Review Guidelines			
190-130-146	1	Building and Power Alarms Central Office Maintenance			
190-130-147	1	Stored Program Control System — Trouble Escalation Procedures			
190-130-150	1	Load and Work Time Record — Form E-6843 — Network Maintenance Management			
			<b>190-135 BILLDATS® II Collector</b>		
			■ 190-135-001	1	BILLDATS II Collector Planning Reference Guide (4-93)
			■ 190-135-002	5	BILLDATS II Collector — Output Messages (4-95)
			■ 190-135-003	5	BILLDATS II Collector — Input Commands (4-95)
			■ 190-135-004	5	BILLDATS II Collector — Operations and Maintenance Guide (4-95)
			■ 190-135-005	5	BILLDATS II Collector — Customer Acceptance Guide (4-95)
			■ 190-135-006	5	BILLDATS II Collector — Optional Features Guide (4-95)
			■ 190-135-007	4	BILLDATS II Collector — (NSD Features (9-93)
			■ 190-135-008	5	BILLDATS II Quick Reference Guide
			■ 190-135-009	2	BILLDATS II Art User Guide (10-93)

Number	Issue	Subject	Number	Issue	Subject
■ 190-135-010	2	BILLDATS II Art Administration Guide	■ 190-136-141	1	Intelligent Network Billing Data Collection System Customer Acceptance Guide (Taiwan) (7-94)
■ 190-135-011	1	BILLDATS II OLA User Guide	■ 190-136-152	1	Billing Data Collection System Product Acceptance Test Guide (Korea Mobile Telephone) (4-95)
■ 190-135-012	1	BILLDATS II Berms User Guide	■ 190-136-200	1	BILLDATS CIU Users Guide 2.1 (2-94)
■ 190-135-013	1	BILLDATS II Map Administration Guide	■ 190-136-201	1	BILLDATS Network Server Collector Interface Unit (CIU) Users Guide Generic 3 (2-95)
<b>BILLDATS II Helix</b>					
■ 190-135-027	1	BILLDATS II Helix Installation Guide (5-95)			
<b>BILLDATS II Collector/3000</b>			<b>190-137 PACTRAC (Problem And Change Tracking System)</b>		
■ 190-135-100	1	BILLDATS II Collector/3000 Planning Guide (4-94)	■ Addendum	3	
■ 190-135-101	3	BILLDATS II Collector/3000 Quick Reference Guide	■ 190-137-110	1	PACTRAC/CM User Guide (Change Management) (4-93)
■ 190-135-102	3	BILLDATS II Collector/3000 Output Messages	190-137-120	1	PACTRAC/PM User Guide (Problem Management) (4-92)
■ 190-135-103	3	BILLDATS II Collector/3000 Input Messages	190-137-130	1	PACTRAC/POC User Guide (Point Of Contact) (4-92)
■ 190-135-104	3	BILLDATS II Collector/3000 Operation and Maintenance Manual	<b>190-140 Frame Control Center — Frame Work Station</b>		
■ 190-135-105	3	BILLDATS II Collector/3000 Optional Features	190-140-100	1	Organizational Guidelines and Responsibilities
■ 190-135-106	2	BILLDATS II Collector/3000 Customer Acceptance Guide	190-140-110	1	Operating Procedures
■ 190-135-107	1	BILLDATS II Collector/3000 Installation Guide	190-140-120	1	Implementation Guidelines
<b>190-136 BILLDATS Common Equipment</b>			<b>190-141 CAROT-Digital (Centralized Automatic Reporting on Trunks-Digital)</b>		
■ 190-136-100	2	CIU II User Guide	<b>CAROT-Digital Generic 1</b>		
■ 190-136-101	3	BILLDATS NSTE User' Guide	190-141-001	1	CAROT-Digital Generic 1 Controller User's Guide Note: This manual includes the binder and tabs for practices 190-141-010, 190-141-011, 190-141-012, 190-141-013, 190-141-014, 190-141-015, and 190-141-016
■ 190-136-120	1	BILLDATS Network Server for the BNS2000 Switch — User's and Administrator's Guide (2-94)	190-141-002	1	CAROT-Digital Generic 1 Remote User's Terminal Guide Note: This manual includes the binder and tabs for practices 190-141-020, 190-141-021 and 190-141-013
■ 190-136-121	1	BILLDATS Network Server for the BNS2000 Switch — Planning and Ordering Guide (1-94)			
■ 190-136-122	1	BILLDATS Network Server for the BNS2000 Switch — Hardware Installation Guide (2-94)			
■ 190-136-130	2	BILLDATS SW Data Processor (5-94)			
■ 190-136-131	1	BILLDATS Data Processor Disk Storage Binder (3-94)			
■ 190-136-140	1	BILLDATS Network Server for SMS User's Guide (Taiwan) (6-94)			

Number	Issue	Subject	Number	Issue	Subject
190-141-003	1	CAROT-Digital Generic 1 Controller/Remote User's Terminal Guide Note: This manual includes the binder and tabs for practices 190-141-030, 190-141-031, 190-141-032, 190-141-033, 190-141-034, 190-141-035, 190-141-036, and 190-141-037	190-141-034	1	CAROT-Digital Generic 1 Data Base Description and Transactions (2-95)
190-141-004	1	CAROT-Digital Generic 1 Remote-User Terminal Operating Instructions Pocket Guide (2-95)	190-141-035	1	CAROT-Digital Generic 1 Analysis of Test Results (2-95)
190-141-005	1	CAROT-Digital Generic 1 Remote-User Terminal Operating Procedures (2-95)	190-141-036	1	CAROT-Digital Generic 1 Report Program Generator (2-95)
190-141-006	1	CAROT-Digital Generic 1 Controller Release 1 Operating Procedures (4-95)	190-141-037	1	CAROT-Digital Generic 1 Conversion and Installation Guide (2-95)
190-141-010	1	CAROT-Digital Generic 1 Controller User's Guide Introduction (2-95)	<b>190-2 Surveillance and Control Systems</b>		
190-141-011	1	CAROT-Digital Generic 1 Controller Administration (2-95)	<b>190-200 TCAS (T Carrier Administration System)</b>		
190-141-012	1	CAROT-Digital Generic 1 Data Base Administration (2-95)	190-200-001	1	Organization and Responsibilities
190-141-013	1	CAROT-Digital Generic 1 Circuit Order Activity - Implementation and Description (2-95)	190-200-002	1	Quality Review Plan
190-141-014	1	CAROT-Digital Generic 1 System Trouble-Locating Procedures (2-95)	190-200-010	5	Overall System Description
190-141-015	1	CAROT-Digital Generic 1 System Recovery Strategy (2-95)	190-200-025	1	Organization and Responsibilities
190-141-016	1	CAROT-Digital Generic 1 Console Output Message Manual (2-95)	190-200-030	3	Maintenance Controller (MC) — General Operating Procedures
190-141-020	1	CAROT-Digital Generic 1 Remote User's Terminal Guide Introduction (2-95)	190-200-031	2	Maintenance Controller (MC) — Typical Trouble Handling Procedures
190-141-021	1	CAROT-Digital Generic 1 Remote User Terminal Description and Operation (2-95)	190-200-100	4	Central Equipment Description
190-141-030	1	CAROT-Digital Generic 1 Controller/Remote User's Terminal Guide Introduction (2-95)	190-200-101	5	Input Commands Description
190-141-031	1	CAROT-Digital Generic 1 General System Description (2-95)	190-200-102	5	Reports and Tasks Description
190-141-032	1	CAROT-Digital Generic 1 SELEC Program (2-95)	190-200-103	2	Facilities Maintenance and Administration Center-Metropolitan — Control Positions Description
190-141-033	1	CAROT-Digital Generic 1 Text Editor Program (2-95)	190-200-300	7	Operating and Routine Maintenance Procedures
			190-200-310	5	Data Base Controller Operations
			190-200-311	2	Equipment and Facility Assignment Controller Procedures
			190-200-312	2	Maintenance Control and Maintenance Alarm Control Positions — General Operating Procedures
			190-200-313	2	Maintenance Control and Maintenance Alarm Control Positions — Typical Trouble-Handling Procedures
			190-200-314	3	Supervisory Controller Procedures
			190-200-500	4	Central Unit Test Procedures

Number	Issue	Subject	Number	Issue	Subject
<b>190-201 Alarm Centers</b>			<b>190-205 SCOTS (Surveillance and Control of Transmission Systems)</b>		
190-201-010	1	Administration	190-205-101	3	Transmission Maintenance System — General Description
<b>190-202 FMAC (Facility Maintenance and Administration Center)</b>			190-205-102	3	Transmission Maintenance System — Central Terminal Description
190-202-004	1	Personnel Responsibilities	190-205-103	2	Transmission Maintenance System — Remote Equipment Description
■ 190-202-010AC	1	FAMAS 2 Ticket Administration Procedures	190-205-300	3	Central Terminal Operations
190-202-041	1	Controlled Maintenance Plan — Operations Centers and Support Systems	190-205-301	3	Data Base Planning
190-202-061	1	Standard Alarm Name and Status Indication Abbreviations — Description	190-205-302	3	Data Base Management
■ 190-202-061AC	2	Standard Alarm Name and Status Indication Abbreviations — Description	190-205-303	3	Locally Defined Operations
Addendum	1		190-205-500	2	System Maintenance
190-202-101	1	Organization, Responsibilities, and Objectives — Metropolitan	190-205-502	2	Remote Maintenance
190-202-102	1	Operations Support Systems — Metropolitan	■ Addendum AC	1	
190-202-103	1	Planning and Implementation — Metropolitan	■ 190-205-601AC	1	Generic 3 With Generic 4 Enhanced Operations — System Description and Operation
■ 190-202-110AC	1	Facility Network Control Plan — Description	■ Addendum AC	1	
190-202-201	1	Organization and Responsibilities	■ 190-205-602AC	1	Generic 3 With Generic 4 Enhanced Operations — Data Base and Program Implementation
190-202-202	1	Operations Support Systems	■ Addendum AC	1	
190-202-203	1	Planning and Implementation	■ 190-205-603AC	1	Generic 3 — Output Message Description
190-202-463	1	Alarm Surveillance Procedures and Responsibilities — Description	<b>190-206 TMAS (Transport Maintenance and Administration System)</b>		
■ 190-202-510AC	1	Facility Technical Assistance Support Plan — Description — Facility Technical Assistance Group (FTAG)	■ 190-206-101	4	User Reference Manual
190-202-760	1	73 Facility Provisioning Methods and Procedures	■ 190-206-103	4	Field User Reference Manual
<b>190-203 SFMAC (Satellite Facility Maintenance Administration Center)</b>			■ 190-206-105	3	System Administrator and Maintenance Manual
■ 190-203-101	1	MONARC (Monitor and Remote Control) User Manual	■ 190-206-106	4	Data Base Administration and Operations Manual
			■ 190-206-107	4	User Programmability and Report Generation Manual
			■ 190-206-109	1	Output Message Manual
			<b>190-207 COMPULERT</b>		
			190-207-010	1	2CM3 Technical Description
			190-207-100	1	System Administration Manual
			190-207-110	1	Input/Output Messages
			190-207-200	1	General Operations

Number	Issue	Subject
190-207-210	1	User Guide
<b>190-208 TRANSVU Network Surveillance and Control Systems</b>		
<b>TRANSVU II</b>		
190-208-020	1	System Planning and Implementation Guide
■ Addendum	2	
■ 190-208-101	2	User Reference Manual (4-93)
■ 190-208-103	2	Field User Reference Manual (5-93)
■ Addendum	2	
■ 190-208-105	3	Transvu II Network Surveillance and Control System — Administration and Maintenance Manual (4-93)
Addendum	1	
190-208-106	2	Data Base Administration and Operation Manual (4-93)
■ 190-208-107	2	TRANSVU II Network Surveillance and Control System — User Programmability and Report Generation Manual
■ 190-208-109	2	Output Message Manual (8-92)
<b>TRANSVU II Release 3.0/3.1</b>		
■ 190-208-111	1	TRANSVU II Network Surveillance and Control System — User Reference Manual Rel 3.0 and 3.1 (6-93)
190-208-112	1	TRANSVU Network Surveillance and Control System 3.0 and 3.1 MAP Creation Guide
■ 190-208-113	1	TRANSVU II Network Surveillance and Control System — Field User Reference Manual — Rel 3.0 and 3.1 (6-93)
■ 190-208-114	1	TRANSVU II Network Surveillance and Control System — System Administration and Maintenance Manual (Rel 3.1)
190-208-115	1	TRANSVU II Network Surveillance and Control System — 3.0 and 3.1 System Administration and Maintenance Manual
■ Addendum	2	
■ 190-208-116	1	TRANSVU II Network Surveillance and Control System — Database Administration (2-94)

Number	Issue	Subject
190-208-117	1	TRANSVU II Network Surveillance and Control System — User Programmability and Report Generation Manual Rel 3.0 and 3.1
■ 190-208-118	1	TRANSVU Network Surveillance and Control System — TNC User Reference Manual — Rel 3.0 and 3.1 (6-93)
■ 190-208-119	1	TRANSVU II Network Surveillance and Control System — Output Message Manual — Rel 3.0 and 3.1 (6-93)
<b>TRANSVU II Release 3.2</b>		
Addendum	1	
190-208-121	1	TRANSVU II User Reference Manual Network Surveillance and Control System 3.1.1 and 3.2
190-208-122	1	TRANSVU II Map Creation Guide Network Surveillance and Control System 3.1.1 and 3.2
Addendum	1	
190-208-125	1	TRANSVU II Network Surveillance and Control System 3.2 — Administration and Maintenance Manual
Addendum	1	
190-208-126	1	TRANSVU II Administration and Operation Manual Network Surveillance and Control System Database 3.1.1 and 3.2
■ 190-208-127	1	TRANSVU II Network Surveillance and Control System R3.1.1 & R3.2 — User Programmability and Report Generation Manual (1-94)
■ 190-208-128	1	TRANSVU II Network Surveillance and Control System R3.1.1 & R3.2 — TNC User Reference Manual (1-94)
■ 190-208-129	1	TRANSVU II Network Surveillance and Control System R3.1.1 & R3.2 — Output Message Manual (1-94)
<b>TRANSVU-2000 Release 4.0-4.1</b>		
■ 190-208-130	1	TRANSVU-2000 Network Surveillance and Control System — User Reference Manual Release 4.1 (10-94)



Number	Issue	Subject	Number	Issue	Subject
■ Addendum	1		190-209-010	2	Reference Guide
■ 190-208-131	1	TRANSVU-2000 Network Surveillance and Control System — User Reference Manual Releases 4.0-4.1	190-209-020	2	Central Processor Maintenance Guide
■ Addendum	1		190-209-021	2	Hub and Hub Expansion Unit Maintenance Guide
■ 190-208-132	1	TRANSVU-2000 Network Surveillance and Control System — Map Creation Manual Releases 4.0-4.1	190-209-022	2	Satellite Maintenance Guide
■ 190-208-133	1	TRANSVU-2000 Network Surveillance and Control System — Product Description Releases 4.0-4.1	190-209-023	2	Performance Monitor Maintenance Guide
■ 190-208-134	1	TRANSVU-2000 Network Surveillance and Control System — Map Creation Manual Release 4.1 (10-94)	190-209-024	1	Satellite 2 Maintenance Guide
■ Addendum	2		190-209-025	1	HUB Installation Guide
■ 190-208-135	1	TRANSVU-2000 Network Surveillance and Control System — System Administration and Maintenance Manual Releases 4.0-4.1	190-209-026	1	Satellite 2 Installation Guide
■ Addendum	1		190-209-027	1	Performance Monitor Installation Guide
■ 190-208-136	1	TRANSVU-2000 Network Surveillance and Control System — Database Administration and Operations Manual Releases 4.0-4.1	Addendum	1	
■ 190-208-137	1	TRANSVU-2000 Network Surveillance and Control System — User programmability and Report Generation Manual Releases 4.0-4.1	190-209-101	1	Administration and Operations Manual — 1.1 Documentation
■ 190-208-138	1	TRANSVU-2000 Network Surveillance and Control System — Database Administration and Operations Manual Release 4.1 (10-94)			
■ Addendum	1				
■ 190-208-139	1	TRANSVU-2000 Network Surveillance and Control System — Output Message Manual Releases 4.0-4.1			
<b>190-209 ACORN® Network Control System</b>			<b>190-210 TASC (Telecommunications Alarm Surveillance and Control) System</b>		
190-209-001	2	Administration and Operations Manual — 1.0.1 Documentation	<b>Methods</b>		
190-209-002	3	Maintenance Guide	● 190-210-020	2	Administrative Procedures
			<b>(Alarm Reference Guide) — Network Maintenance Management</b>		
			● 190-210-050	2	No. 5 Crossbar
			● 190-210-051	1	No. 1 Crossbar
			● 190-210-052	1	Crossbar Tandem
			● 190-210-053	1	Step-by-Step System — No. 1, 350A, 355A
			190-210-054	2	Building and Power — Step-by-Step and Crossbar Switching Systems
			<b>Description, Operation, and Maintenance</b>		
			190-210-101	3	System Description — Generic 1 and Generic 2
			190-210-102	3	Central Description — Generic 1
			190-210-103	3	Remote Equipment Description — Generic 1(G1) and Generic 2(G2)
			190-210-112	1	Control Terminal Description Generic 2
			190-210-300	3	Central Operations — Generic 1
			190-210-301	3	Data Base Planning for Generic 1 Using E2A SAC Remotes and CDO Satellite Units
			190-210-302	3	Data Base Operations — Generic 1

Number	Issue	Subject	Number	Issue	Subject
190-210-303	3	Program Sequencer — Generic 1 and Generic 2	■ 190-215-301AC	2	Network Testing and Maintenance Testing Procedures
190-210-304	3	Generics 1 and 2 — Data Base Planning Using C1, E1, E2, and E2A APR Remotes	■ 190-215-310AC	2	Network Administration and Routing Provisioning Procedures
190-210-305	1	Application Program Operations Generics 1 and 2	■ 190-215-320AC	2	System Administration and Operation Administration Procedures
190-210-310	1	Central Terminal Operations for Generic 2	■ 190-215-321AC	2	Operational Maintenance Guide
190-210-311	1	Data Base Planning for Generic 2 Using E2A SAC Remotes and CDO Satellite Units	<b>190-216 CONNECTVU</b>		
190-210-312	1	Data Base Operations — Generic 2	■ 190-216-102	1	CONNECTVU — Provisioning Guide
190-210-500	3	System Maintenance — Generics 1 and 2	■ 190-216-104	1	CONNECTVU — Operations Administration Guide
190-210-600	1	System Description and Operations	■ 190-216-106	1	CONNECTVU — UNIX User Administration Guide
190-210-601	1	Data Base and Program Implementation	■ 190-216-108	1	CONNECTVU Planning Guide
190-210-602	1	Output Message Description	■ 190-216-115	1	CONNECTVU — UNIX Trunk Maintenance Guide
<b>190-211 DACSCAN</b>			<b>190-220 RMMS (Regional Maintenance Management System)</b>		
■ 190-211-201	1	DACSCAN — 2000 Operation, Administration and Maintenance Guide	■ 190-220-000AC	1	System Documentation
■ 190-211-203	1	DACSCAN — 2000 Controller	■ 190-220-001AC	1	Facility Testing — User's Guide
■ 190-211-205	1	User Guide — Controller Operations and Administration User Guide	■ 190-220-004AC	1	Application and Utility Programs — Description and Application
■ 190-211-301	1	DACSCAN — 2000 User's Manual	190-220-010	1	Carrier Transmission Maintenance System (CTMS)/Trunk and Facility Maintenance System (TFMS) — Administrative Methods and Procedures
<b>190-215 TOPAS® (Testing Operation Provisioning Administration System)</b>			■ 190-220-100AC	3	General Description
■ 190-215-000AC	1	System Description/Engineering Guidelines/Administration Guidelines	■ 190-220-101AC	3	Central Description
■ 190-215-010	1	Network User's Guide	190-220-105	1	Carrier Transmission Maintenance System (CTMS)/Trunk and Facility Maintenance System (TFMS) — Routine Measurements
■ 190-215-011	1.3	Network 4.1 Release Notes	■ 190-220-300AC	2	General Operating Procedures
■ 190-215-101AC	2	System Administration and Operation System Description	■ 190-220-301AC	3	Data Base Management
■ 190-215-102AC	2	Network Testing and Maintenance — System Description	■ 190-220-500AC	3	Maintenance
■ 190-215-103AC	2	Network Administration and Routing System Description	■ 190-220-501AC	3	4M Multiplexor — Description, Operation, and Diagnostics
■ 190-215-111AC	2	TOPAS® User's Manual	■ 190-220-550AC	3	General Administrative Procedures
			■ 190-220-551AC	3	Routine Tests — Line and Multiplex Sections — Gain/Frequency Characteristics and Noise

Number	Issue	Subject	Number	Issue	Subject
■ Appendix 1AC	3	Routine Tests — Line and Multiplex Sections — Performance Indicate Calculations	<b>190-4 Network Operations Systems</b>		
■ 190-220-552AC	1	CPMP (Carrier Performance Measurement Program) — Description and Applications	<b>190-401 NSC (Network Service Center)</b>		
■ 190-220-572AC	2	Demand Measurements	190-401-000	3	Information Resources Index
<b>190-3 Central Office Maintenance Management</b>			■ 190-401-001AC	10	Network Administration and Routing — References
■ 190-304-103AC	2	Controlled Automated Maintenance Scheduling (CAMS) Field User's Guide—Overview and Tasks (Vol. 1)—Screen Descriptions (Vol. 2)	■ 190-401-002AC	1	Network Administration and Routing — Call Flows
■ 190-304-105AC	1	CAMS SME User Guide	■ 190-401-003AC	3	Network Administration and Routing — Routing Methods and Procedures
<b>190-305 COMMS (Central Office Maintenance Management System) — Preventive Maintenance</b>			■ 190-401-004AC	4	Network Administration and Routing — CNRDB/IRAS — Job Aid
190-305-101	3	Description	□■ 190-401-006AC	1	NSD (Network Services Division) — OSPS (Operator Service Position System) — Methods and Procedures
190-305-102	2	Coordinators Guidelines	■ 190-401-007AC	1	Network Administration and Routing — Domain Guide
190-305-301	2	Equipment Inventory	■ 190-401-011AC	2	Global Software Defined Network
190-305-302	3	Method of Handling Routine List, Scheduling Parameters, Local Routines & Local Equipment	■ 190-401-020AC	1	Digital Synchronous Network — Technical Description
190-305-303	2	Method of Handling Work Item List and PM Schedule	190-401-040	2	Description
190-305-304	1	Method of Handling Work Orders	<b>NSCs for BOCs (Bell Operating Companies)</b>		
190-305-305	1	Teletypewriter Operating Procedures	190-401-060	1	Management Guide
190-305-306	2	Method of Handling Administrative and Summary Reports	■ 190-401-060AC	1	AT&T Center Management Guide
190-305-307	2	Method of Updating	190-401-070	1	Operations Guide
<b>190-306 SCANS (Software Change Administration and Notification System)</b>			■ 190-401-070AC	1	AT&T Center Operations Guide
● 190-306-010	2	System Administration	190-401-091	1	Operational Review — Introduction
■ 190-306-100	2	High-Speed Terminal Interface	190-401-093	1	Operational Review — Organization Checklist
● 190-306-110	1	Overwrite Administration and Procedures In the Switching Control Center System — Description	190-401-095	1	Operational Review — Management Checklist
<b>190-307 COER (Central Office Equipment Reports)</b>			190-401-097	1	Operational Review — Operations Checklist
■ 190-307-010	1	COER Compute Server Feature Guide	190-401-099	1	Operational Review — Review Summary Checklist
			<b>Administration, Operation, and Maintenance</b>		
			190-401-100	1	Network Service Centers
			■ 190-401-101AC	1	Customer Trouble Report (CTR) — Analyzation and Trouble Clearing Procedures — Customer Trouble Report Center

Number	Issue	Subject
190-401-110	1	Network Task Force
■ 190-401-110AC	1	AT&T-C Long Distance Repair Service Center (LDRSC) — Functional Operation
190-401-111	1	FASTAR Platform Disaster Recovery
190-401-120	1	Area Network Service Center
■ 190-401-120AC	1	Customer Trouble Report Operations Support System (CTR OSS) — Description
■ Appendix 1AC	1	Customer Trouble Reporting Contact List
■ Appendix 2AC	1	IDDD Countries — Alphabetical by Country Code
■ Appendix 3AC	1	IDDD Countries — Numerical by Country Code
■ Appendix 4AC	1	User Messages — CTR OSS Log On Procedure
■ Appendix 5AC	1	CTR OSS Internal User Messages
190-401-130	1	Network Committee Organizations
190-401-140	1	Performance Measurement and Operational Review
190-401-150	10	Directory
190-401-230	1	Reorder Analysis
190-401-240	2	Call Disposition Data (Service Evaluation) — Operations Support Systems
190-401-241	1	SES 1A Interface With ATRS/NOTIS
190-401-250	1	Call Sampling and Hold and Trace Procedures
190-401-300	1	Equipment and Billing Accuracy Control (EBAC)
Addendum	1	
190-401-301	1	Administration Guide — Message Recording Trunk Trouble Analysis (MRTTA) System
190-401-320	2	Automated Trouble Reporting System (ATRS)
190-401-321	1	Central Unit — Operating Procedures — Automated Trouble Reporting System (ATRS)
190-401-322	1	Trouble Locating Procedures
190-401-330	1	Network Call Completion
190-401-340	1	Phase 1 — Description and Planning
190-401-352	1	Terminal Operations Guide — Mechanized Evaluation of Call Completion Anomalies (MECCA)

Number	Issue	Subject
<b>NOTIS (Network Operations Trouble Information System)</b>		
190-401-400	1	Trouble Reporting — Description and Procedures
190-401-405	1	Trouble Ticket — Description
190-401-415	1	Trouble Analysis — Introduction
190-401-420	1	Trouble Analysis — Computerized Operator Trouble Report Analysis
190-401-425	1	Trouble Analysis — Network Exception Reports
190-401-430	1	Trouble Analysis — Local Maintenance, Trend, and Special Study Reports
190-401-435	1	Trouble Analysis — Administrative Reports
190-401-440	1	Masterfile Maintenance — Introduction
190-401-445	1	Masterfile Maintenance — Switching Entity Definition (SED) Updates
190-401-450	1	Masterfile Maintenance — NPA-NXX Definition Updates
190-401-455	1	Masterfile Maintenance — Common Language Location Identification
190-401-460	1	Masterfile Maintenance — Routing Specification List (RSL) Updates
190-401-465	1	Masterfile Maintenance — Distribution Control File (DCF-1) Updates
190-401-470	1	Masterfile Maintenance — Multiple Destination Request (MDR) Updates
190-401-475	1	Masterfile Maintenance — Operator Trunk Group (OTG) Updates
190-401-480	1	Job Aid — Masterfile Maintenance
190-401-485	1	Job Aid — Masterfile Error Correction
190-401-490	1	Job Aid — Masterfile Printouts

**190-402/403 LSU (Local Storage Unit) and CMDR (Centralized Message Detail Recorder)**

**94A Customer Premises System**

▲ 190-402-000	3	Installation, Test and Maintenance
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Number	Issue	Subject	Number	Issue	Subject
190-402-100	3	94A LSU Descriptive Information	190-406-224	2	NTMOS System Administration
190-402-200	3	Identification and Preinstallation Information	190-406-225	2	NTMOS Display Users Guide
190-402-250	1	Local Storage Unit (LSU) — Maintenance Support	190-406-226	2	NTMOS Network Management Users Guide
<b>93B Customer Premise System</b>			190-406-227	2	NTMOS Page Users Guide
▲ 190-403-000	1	Installation, Test and Maintenance	190-406-228	2	NTMOS Commands/System Responses
190-403-100	3	CMDR Description Information 93B CPS	<b>NMS (Network Traffic Management System) — Spain</b>		
190-403-250	1	Maintenance Support	■ 190-406-230	1	System Description
<b>190-404 Network Support — Electronic Tandem Network</b>			■ 190-406-232	1	Record Base Administration
■ 190-404-110	1	Network Control Operations Support Systems (NCOSS)	■ 190-406-234	1	System Administration
<b>190-406 NTMS (Network Traffic Management System)</b>			■ 190-406-236	1	Network Management User's Guide
<b>Netminder</b>			■ 190-406-237	1	Page and Display User's Guide
■ 190-406-112	3	Record Base Administration Guide	■ 190-406-238	1	Commands and System Responses
■ 190-406-114	3	System Administration	<b>NMS (Network Management System) — Italy</b>		
■ 190-406-117	3	Page/Display Guide	190-406-240	2	System Description
■ 190-406-118	3	Commands/System Report	190-406-241	--	Complete Document Set
<b>NMS (Network Management System) — Netherlands</b>			190-406-242	2	Record Base Administration
■ 190-406-150	2	Netminder System Description	190-406-244	2	System Administration
■ 190-406-154	2	Netminder System Administration	190-406-246	2	Network Management Users Guide
■ 190-406-156	2	Netminder Network Management User's Guide	190-406-247	2	Page and Display User Manual
<b>No. 2 Network Traffic Management Operation System</b>			190-406-248	2	Commands and System Responses
190-406-211	--	NTMOS Complete Set	<b>Reginal Network Management System (RNMS) Generic 4.0</b>		
190-406-212	1.1	Record Base Administration Guide	190-406-300	1	System Description
190-406-214	1.1	System Administration Guide	190-406-302	1	Record Base Administration
■ 190-406-215	1.1	NTMOS Display User's Guide	190-406-303	1	Data Tables
190-406-216	1.1	Network Management User's Guide	190-406-304	1	System Administration Guide
190-406-217	1.1	Page Display User's Guide	190-406-306	1	Network Management User's Guide
190-406-218	1	Commands/System Responses	190-406-307	1	Page Display User's Guide
190-406-220	2	NTMOS System Description	190-406-308	1	Commands/System Responses
190-406-222	2	NTMOS Record Base Administration	190-406-309	1	Report Users Guide
			<b>Reginal Network Management System (RNMS) Generic 5</b>		
			190-406-310	1	System Description
			190-406-312	1	Record Base Administration
			190-406-313	1	Data Tables
			190-406-314	1	System Administration Guide

Number	Issue	Subject	Number	Issue	Subject
190-406-316	1	Network Management User's Guide	■ 190-408-563	1	MFOS 5.4 SDAS Computer Maintenance
190-406-317	1	Page Display User's Guide	■ 190-408-564	1	MFOS 5.4 SDAS Commands and Reports
190-406-318	1	Commands/System Responses			
190-406-319	1	Report Users Guide			
<b>190-407 FASTAR (Fast Automatic Restoration)</b>			<b>MFOS Software Release 6.1 Documents</b>		
■ 190-407-101AC	1	FASTAR RNC (Restoration Node Controller)/Element Management System Administration Manual	■ 190-408-600	--	MFOS 6.1 Complete Document Set
■ 190-407-102AC	1	FASTAR RNC (Restoration Node Controller)/Element Management System User Manual	■ 190-408-601	1	MFOS 6.1 SCS Functions — Overview and Reference
■ 190-407-110	2	FASTAR — Operations and Maintenance Guide (OMG)	■ 190-408-605	1	MFOS 6.1 Installation Guide
■ 190-407-111	1	FASTAR Platform Disaster Recovery Plan	■ 190-408-611	1	MFOS 6.1 SCS Software Installation — Operation and Maintenance Procedures
<b>190-408 MFOS (Multifunction Operations Systems)</b>			■ 190-408-612	2	MFOS 6.1 SCS Routine and Corrective Maintenance — Operation and Maintenance Procedures
<b>MFOS Software Release 5.4 Documents</b>			■ 190-408-613	1	MFOS 6.1 SCS Commands and Reports
■ 190-408-511	1	MFOS 5.4 SCS Software Installation	■ 190-408-621	1	MFOS 6.1 SMS Subsystem Administrator — Operation and Maintenance Procedures
■ 190-408-512	1	MFOS 5.4 SCS Routine Maintenance	■ 190-408-622	1	MFOS SMS User Guide — Operation and Maintenance Procedures
■ 190-408-513	1	MFOS 5.4 SCS Commands and Reports	■ 190-408-623	1	MFOS SMS — Commands and Reports, Volumes 1 and 2
■ 190-408-521	1	MFOS 5.4 SMS Subsystem Administration	■ 190-408-625	1	MFOS 6.1 Multi-Tier System
■ 190-408-522	1	MFOS 5.4 SMS User Guide	■ 190-408-626	1	MFOS 6.1 DCRS Commands and Reports
■ 190-408-523	1	MFOS 5.4 SMS Commands and Reports	■ 190-408-631	2	MFOS 6.1 APS Subsystem Administrator — Operation and Maintenance Procedures
■ 190-408-524	1	MFOS 5.4 DCRS System Administration V1	■ 190-408-632	2	MFOS 6.1 APS User — Operation and Maintenance Procedures
■ 190-408-525	1	MFOS 5.4 DCRS User Guide V1	■ 190-408-633	1	MFOS 6.1 APS — Commands and Reports
■ 190-408-526	1	MFOS 5.4 DCRS Commands and Reports	■ 190-408-641	1	MFOS CCS Subsystem Administrator and User — Operation and Maintenance Procedures
■ 190-408-531	1	MFOS 5.4 APS System Administration	■ 190-408-643	1	MFOS CCS User — Operation and Maintenance Procedures
■ 190-408-532	1	MFOS 5.4 APS User Guide	■ 190-408-651	1	MFOS 6.1 TFS Subsystem Administrator — Operation and Maintenance Procedures
■ 190-408-533	1	MFOS 5.4 APS Commands and Reports	■ 190-408-652	1	MFOS 6.1 TFS User — Operation and Maintenance Procedures
■ 190-408-541	1	MFOS 5.4 CCS System Administration			
■ 190-408-543	1	MFOS 5.4 CCS User Guide			
■ 190-408-561	1	MFOS 5.4 SDAS System Administration			
■ 190-408-562	1	MFOS 5.4 SDAS User Guide			

Number	Issue	Subject	Number	Issue	Subject
■ 190-408-653	1	MFOS 6.1 TFS — Commands and Reports	■ 190-408-826	1	MFOS Configuration Management Output Manual
■ 190-408-661	1	MFOS 6.1 SDAS Subsystem Administrator — Operation and Maintenance Procedures	■ 190-408-831	1	MFOS - Getting Started (& Job Aids)
■ 190-408-662	1	MFOS 6.1 SDAS User Guide	■ 190-408-832	1	MFOS Configuration Management Autotranslation Reference
■ 190-408-663	1	MFOS 6.1 SDAS Computer Operator and Maintainer — Operation and Maintenance Procedures	■ 190-408-833	1	MFOS Software Installation Guide
■ 190-408-664	1	MFOS 6.1 SDAS Commands and Reports (2 Volumns)	<b>190-410 NETSTAR</b>		
■ 190-408-665	1	MFOS 6.1 SDAS Masks	■ 190-410-121	1	NETSTAR 3.4 Workstation Users Guide
■ 190-408-671	1	MFOS 6.1 TTS Subsystem Administrator and User — Operation and Maintenance Procedures	■ 190-410-123	1	NETSTAR 3.4 Console Users Guide
■ 190-408-681	2	MFOS 6.1 TNS Subsystem Administrator and User — Operation and Maintenance Procedures	■ 190-410-301	3	NETSTAR Workstation — User Guide V3 (Gen. 3.5)
■ 190-408-683	2	MFOS 6.1 TNS — Commands and Reports	■ 190-410-303	2	NETSTAR Console Users Guide V1
<b>MFOS Software Release 7.2 Documents</b>			■ 190-410-400	--	All NETSTAR 400 Series Documents
190-408-800	--	MFOS Release 7.2 Core Document Set (-801 thru -807, -809 & -831)	■ 190-410-410	--	NETSTAR Complete Set
■ 190-408-801	1	MFOS System Overview	■ 190-410-411	4	NETSTAR Workstation User Guide
■ 190-408-802	2	MFOS Administrator Tasks	■ 190-410-413	3	NETSTAR Console User Guide
■ 190-408-803	1	MFOS User Tasks	■ 190-410-500	--	All NETSTAR 400 Series Documents
■ 190-408-804	2	MFOS Administrator Reference	■ 190-410-510	--	NETSTAR Complete Set
■ 190-408-805	2	MFOS User Reference	■ 190-410-511	1	NETSTAR Workstation User Guide (Italcable Phase 2)
■ 190-408-806	2	MFOS Administrator Output Messages	■ 190-410-513	1	NETSTAR Console User Guide (Italcable Phase 2)
■ 190-408-807	2	MFOS User Output Messages	■ 190-410-601	2	NETSTAR Workstation User Guide (Korean)
■ 190-408-809	2	MFOS MML Input Manual	■ 190-410-603	2	NETSTAR Console User Guide (Korean)
190-408-820	--	SDAS Document Set (-821 thru -826 & -832)	■ 190-410-701	1	NETSTAR Workstation User Guide (Japan)
■ 190-408-821	1	MFOS Configuration Management Tasks for Administrators	■ 190-410-703	1	NETSTAR Console User Guide (Japan)
■ 190-408-822	1	MFOS Configuration Management Tasks for Users			
■ 190-408-823	1	MFOS Configuration Management Reference for Administrators			
■ 190-408-824	1	MFOS Configuration Management Reference for Users			
■ 190-408-825	1	MFOS Configuration Management Input Manual			

Number	Issue	Subject
<b>190-411 IN-SMS (Intelligent Network - Service Management System)</b>		
<b>IN-SMS — Taiwan</b>		
■ 190-411-101	2	IN-SMS Operations and Maintenance Guide - Taiwan
■ 190-411-102	2	IN-SMS Administrators Task Guide - Taiwan
■ 190-411-105	1	IN-SMS Instructor Guide — Phase 1 — Taiwan 5.0
<b>IN-SMS — British Telecom</b>		
■ 190-411-201	2	IN-SMS Operations and Maintenance Manual - British Telecom
■ 190-411-202	1	IN-SMS Workstation Users Guide - British Telecom
■ 190-411-203	1	IN-SMS Summary Workstation Users Guide - British Telecom

<b>190-417 RAPID (Restoration And Provisioning Integrated Design)</b>		
■ 190-417-100AC	2	Operation and Maintenance Manual (10/92)
■ 190-417-110AC	1	System Administration Manual (10/92)
■ 190-417-120AC	2	Database Administration Manual (10/92)
■ 190-417-130AC	2	User Reference Manual (10/92)

<b>190-420 Event Tracking Systems — ESP, BEST, UNIWORLD</b>		
<b>ESP (Enhanced Services Platform)</b>		
■ 190-420-101	2	ESP Call Receipt User's Guide (6-94)
■ 190-420-102	2	ESP Maintenance Guide (6-94)
■ 190-420-103	2	ESP Administrator's User's Guide (6-94)
■ 190-420-104	2	ESP Network Manager's User's Guide (6-94)
■ 190-420-120	1	CELB (Customer Electronic Bonding) User's Manual (7-94)

<b>190-422 TNM (Total Network Management)</b>		
<b>Total Network Management (TNM) 2.3 Common</b>		
■ 190-422-001	1	Installation Guide
■ 190-422-002	1	User Interface Guide

Number	Issue	Subject
■ 190-422-003	1	Common Platform Description
■ 190-422-004	1	User Programming Guide
■ 190-422-005	1	Open Programming Guide
■ 190-422-006	1	Programmer's Reference Guide
■ 190-422-007	1	Common Platform Input Messages

<b>Total Network Management (TNM) 2.4 Common</b>		
■Ⓞ190-422-008	1	TNM UNIX Tape
■Ⓞ190-422-009	1	TNM CD ROM
■Ⓞ190-422-010	1	TNM Comprehensive Index
■ 190-422-011	2	TNM Installation Guide V1
■Ⓞ190-422-012	2	TNM User Interface Guide
■Ⓞ190-422-013	2	Common Platform Description
■Ⓞ190-422-014	2	User Programming Guide
■Ⓞ190-422-015	2	Open Programming Guide
■Ⓞ190-422-016	2	Programmer's Reference Guide
■Ⓞ190-422-017	2	Common Platform Input Messages
■Ⓞ190-422-018	2	UDCI Application Guide
■Ⓞ190-422-019	1	Engineering Guidelines
■Ⓞ190-422-020	2	Syntax Quick Reference Guide

<b>Total Network Management (TNM) 3.0 Common</b>		
■Ⓞ190-422-028	1	TNM 3.0 Comprehensive Index
■Ⓞ190-422-029	1	TNM 3.0 Installation Guide

<b>Total Network Management (TNM) Common Multimedia</b>		
■Ⓞ190-422-041	2.4	TNM 2.4 IDS Version - UNIX System Tape
■Ⓞ190-422-042	2.4	TNM 2.4 IDS Version - DC-ROM
■Ⓞ190-422-043	3.0	TNM 3.0 IDS Version - UNIX System Tape
■Ⓞ190-422-044	3.0	TNM 3.0 IDS Version - DC-ROM

<b>TNM Surveillance Module (TSM) 2.3</b>		
■ 190-422-100	1	TSM (TNM Surveillance Module) User Guide
■ 190-422-101	1	TSM Administrator Guide
■ 190-422-102	1	TSM Description
■ 190-422-103	1	TSM Input Messages
■ 190-422-104	1	TSM Output Messages
■ 190-422-107	1	TSM Transition

<b>TSM Application Guides 2.3</b>		
■ 190-422-109	1	TSM Application Guide — Contains 1AEAPS, 1A ESS, 1 ESS, 2 ESS, 2B ESS, 2STP, and 3



Number	Issue	Subject	Number	Issue	Subject
		ESS			
■ 190-422-116	1	TSM Application Guide — Contains 4EAPS, 4ESS, 4ETOC, 5EMML, and 5EPDS	■ 190-422-210	1	TIM User Guide
■ 190-422-121	1	TSM Application Guide — Contains BILLDATS®, D5, DACS, DACS 2, DACS 3, DACS 4, DATAKIT®, DATAKIT II, DMS 10, and DMS 100	■ 190-422-211	1	TIM Administrator Guide
■ 190-422-131	1	TSM Application Guide — Contains GTD-5, NCP, NDB, PSS, SELF, and UDCI	■ 190-422-212	1	TIM Description
■ 190-422-141	1	SCCS 13.3.1 to TNM Generic 2 Data Base Upgrade Guide	■ 190-422-213	1	TIM Output Messages
<b>TNM Surveillance Module (TSM) 2.4</b>			<b>TNM Integration Module (TIM) 2.4</b>		
■⊕190-422-142	2	SCCS 13.3.1 to TNM Generic 2 Data Base Upgrade Guide`	■ 190-422-220	1	TIM User Guide
■⊕190-422-150	2	TSM User Guide	■ 190-422-221	1	TIM Administrator Guide
■⊕190-422-151	2	TSM Administration Guide	■ 190-422-222	1	TIM Description
■⊕190-422-152	2	TSM Description	■ 190-422-223	1	TIM Output Messages
■⊕190-422-153	2	TSM Input Messages	■ 190-422-224	1	TIM User Quick Reference
■⊕190-422-154	2	TSM Output Messages	■ 190-422-225	1	TIM Administrator Quick Reference
⊕190-422-155	2	TSM Administrator Quick Reference Guide	■ 190-422-226	1	TIM Transition Guide
⊕190-422-156	1	TSM User Quick Reference Guide	■ 190-422-227	1	TIM 3.0 Engineering Guidelines
■⊕190-422-157	2	TSM Transition Guide	<b>TNM/TSM/TIM Feature Packages</b>		
<b>TNM Application Guides (TSM) 2.4</b>			■ 190-422-300	1	TNMtran Feature Package
■⊕190-422-161	1	Application Guides 1AEAPS, 1A ESS, 1 ESS, 2 ESS, 2B ESS, 2STP, 3 ESS	■ 190-422-301	1	SS7(DSC) Feature Package
■⊕190-422-162	1	Application Guides 4EAPS, 4ESS, 4ETOC, 5EMML, 5EPDS	■ 190-422-302	1	SS7 Feature Package
■⊕190-422-163	1	Application Guides BILLDATS, D5, DACS, DACS 2, DACS 3, DACS 4, DATAKIT, DATAKIT II, DMS 10, DMS 100	■ 190-422-303	1	NTMOS Host I/F Feature Package
■⊕190-422-164	1	Application Guides GTD-5, NCP, NDB, PSS, SELF	■ 190-422-304	1	Event Correlation Ph. 1 Feature Package
<b>TNM Integration Module (TIM) 2.3</b>			■ 190-422-309	1	4E 1B Automatic Scripts
■ 190-422-200	1	TIM User Guide	<b>5XPRESS™ (TNM)</b>		
■ 190-422-201	1	TIM Administrator Guide	■ 190-422-322	1	5XPRESS (TNM) User Guide
■ 190-422-202	1	TIM Description	■ 190-422-323	1	5XPRESS Switch Maintenance Expert 2.3 — Administration Guide
■ 190-422-203	1	TIM Output Messages	<b>TNM/TSM/TIM Feature Packages</b>		
			■ 190-422-330	1	TNMtran Feature Package Guide
			■ 190-422-331	1	Total Network Management (TNM) SS7 (DSC) Feature Package
			■ 190-422-332	1	Total Network Management (TNM) TNM Integration Module (TIM) SS7 Feature Package Guide
			■ 190-422-333	1	Total Network Management (TNM) NMI Feature Package Guide
			■ 190-422-334	1	Total Network Management (TNM) TIM Event Collelation Feature Package Guide

Number	Issue	Subject
■ 190-422-335	1	Total Network Management (TNM) TCM Feature Package Guide
■ 190-422-336	1	Total Network Management (TNM) 5ESS Switch Integrated Digital Carrier Unit (DCU) Feature Package Guide
■ 190-422-339	1	Total Network Management (TNM) NMA interface Feature Package Guide
■ 190-422-348	1	Total Network Management (TNM) FASS
■ 190-422-352	2	5EXPRESS Switch Maintenance User Guide
■ 190-422-353	2	5EXPRESS Switch Administrator User Guide
■ 190-422-362	1	TIM SS7 Feature Package Guide
■ 190-422-363	1	TNM NMI Feature Package Guide
■ 190-422-364	1	TIM Event Correlation Feature Package Guide
■ 190-422-366	1	TNM NMA Interface Feature Package Guide
■ 190-422-381	1	Generalized Reports Feature Package Guide

Number	Issue	Subject
190-510-204	2	Central Unit — Operating Procedures
190-510-205	2	Central Unit — Trouble Sectionalizingp

**Traffic Data Converters**

Number	Issue	Subject
190-510-211	2	SD-3B213-01 — Remote Tests
190-510-212	2	SD-3B213-01 — Tests at Converter Location
Addendum	1	
190-510-213	2	SD-3B213-01 — Trouble-Locating Procedures
190-510-214	2	SD-3B213-01 — Connection Verification Tests — Using Input Pulser SD-3B221-01
190-510-215	2	SD-3B213-01 — Connection Verification Tests — Using Test Set SD-3B220-01
190-510-216	2	SD-3B213-01 and SD-95968-01 — Channel Definition and Validation
190-510-217	2	SD-3B213-01 Associated With Traffic Usage Recorder (TUR) SD-95738-01 Equipped With Individual Circuit Usage Recorder (ICUR) Through Tests From Central Control Unit (CCU)

**190-5 Engineering and Administration Systems**

**190-510 EADAS (Engineering and Administrative Data Acquisition System)**

Number	Issue	Subject
❶ 190-510-020	1	Pollable Data Terminal No. 2A (PDT-2A) — Data Collection Requirements
❶ 190-510-060	1	Load Measurement Facilities — General Description — Network Design
❶ 190-510-061	3	Determination of Quantities — Network Switching Engineering
❶ 190-510-062	2	Individual Circuit Usage Recording Subsystem
190-510-100	2	Description
190-510-200	2	Descriptive Supplement for Network Maintenance
190-510-202	1	Traffic Data Converter SD-3B213-01 — Description
190-510-203	1	Pollable Data Terminal No. 1A (PDT-1A) SD-3B232-01 — Description

**Pollable Data Terminals — PDT-1A and PDT-2A**

Number	Issue	Subject
190-510-221	1	PDT-1A SD-3B232-01 — Remote Tests
190-510-222	1	PDT-1A SD-2B232-01 — Tests
190-510-223	1	PDT-1A SD-3B232-01 — Trouble Locating Procedures
190-510-225	1	PDT-2A With PDT-1A Output Format Used With EADAS — Description
190-510-226	1	PDT-2A Operation With EADAS — Tests and Trouble Locating Procedures

**System Information (Generic, Definitions, Maintenance, and Messages)**

Number	Issue	Subject
❶ 190-510-406	1	Implementation — Coordination
❶ 190-510-410	1	Central Control Unit Operation
❶ 190-510-411	1	Load EADAS Generic — Position Practice
❶ 190-510-412	1	Supply, Modify, and Verify System Definitions — Position Practice

Number	Issue	Subject
① 190-510-413	1	Maintain Magnetic Tape for Downstream Processing — Position Practice
① 190-510-416	1	Dial Administrator Teletypewriter Operation
① 190-510-418	1	System Definitions
① 190-510-420	1	Surveillance Applications
① 190-510-440	1	Operational Maintenance
① 190-510-441	1	Operational Maintenance — System Messages Catalog

**Training Manuals and Guides**

① 190-510-470	1	Training Administration Guide
① 190-510-471	1	Instructor's Guide — Central Control Unit Management Training
① 190-510-472	1	Student Manual — Central Control Unit Management Training
① 190-510-473	1	Instructor's Guide — Central Control Unit Clerical Training
① 190-510-474	1	Student Manual — Central Control Unit Clerical Training
190-510-475	1	Dial Administrator's Student Manual
① 190-510-476	1	Dial Administrator's Training Monitor's Guide

**Usage Recording**

① 190-510-501	2	Individual Circuit Usage Recording - General Description — No. 1
① 190-510-504	1	Implementation — Job Ordering and Coordination — Individual Circuit Usage Recorder
① 190-510-520	1	System Definitions — Individual Circuit Usage Recorder

**190-511 EADAS 1A (Engineering and Administrative Data Acquisition System — 1A)**

① 190-511-060	2	Load Measurement Facilities — Description and Determination of Quantities — Network Switching Engineering — Operational Support Systems
190-511-100	1	Description
190-511-101	1	230A Repeater SD-5P001-01 — Description
190-511-201	1	Operating Procedures

Number	Issue	Subject
190-511-202	2	Trouble Sectionalizing

**190-512 EADAS/NORGEN (Engineering and Administrative Data Acquisition System — Network Operations Report Generator)**

① 190-512-000	1	General Description — Miscellaneous Systems
① 190-512-005	1	NORGEN — Record Base — Management and Administration — Miscellaneous Systems
① 190-512-010	1	NORGEN CCU Management and Administration — Miscellaneous Systems
① 190-512-015	1	Network Terminal Operations

**Reports**

① 190-512-020	3	1/1A ESS Switches — Description
① 190-512-021	3	1/1A ESS Switches — Record Base, Calculation and Report Cross-Reference
① 190-512-022	3	No. 2/2B ESS Switches — Description
① 190-512-023	3	2/2B ESS Switches — Record Base, Calculation, and Report Cross-Reference
① 190-512-030	3	Step-by-Step — Description
190-512-031	3	Step-by-Step — Record Base, Calculation, and Report Cross-Reference
① 190-512-032	3	Step-by-Step Pollable Data Terminal (PDT) — Description
① 190-512-033	3	Step-by-Step Pollable Data Terminal (PDT) — Record Base, Calculation, and Report Cross-Reference
① 190-512-034	4	No. 1 Crossbar — Description
① 190-512-035	4	No. 1 Crossbar — Record Base, Calculation, and Report Cross-Reference
① 190-512-036	3	Crossbar Tandem — Description
① 190-512-037	3	Crossbar Tandem — Record Base, Calculation, and Report Cross-Reference
① 190-512-038	4	No. 5 Crossbar
① 190-512-039	4	No. 5 Crossbar — Record Base, Calculations, and Report Cross-Reference

Number	Issue	Subject	Number	Issue	Subject
① 190-512-040	3	Trunking — Description	① 190-520-020	1	Miscellaneous Number Assignment — Telephone Number Management
① 190-512-041	3	Trunking — Record Base, Calculation, and Report Cross-Reference	190-520-021	2	COSMOS/PREMISES Information System (PREMIS) Interface — Telephone Number Management
<b>190-514 SONDS (Small Office Network Data System) and PDT-2A (Pollable Data Terminal No. 2A)</b>			① 190-520-030	1	Overview and System Reports — Line Equipment Management
① 190-514-020	1	PDT-2A — Data Collection Requirements	① 190-520-032	1	Entity Loading — Line Equipment Management
① 190-514-060	2	PDT-2A — Determination of Quantities	190-520-034	1	Line Equipment Transfers — Line Equipment Management
190-514-101	3	SONDS Using PDT-2A — Description and Operation	① 190-520-035	1	Assignments — Complex Service Orders — Line Equipment Management
190-514-301	2	SONDS Using PDT-2A — Tests and Trouble Locating Procedures	190-520-036	1	Class of Service Allocation — Line Equipment Management
<b>190-519 NAC (Network Administration Center)</b>			190-520-037	1	Service Evaluation Assignment — Description
190-519-600	1	Center Evaluation — Premises Information System (PREMIS)	① 190-520-040	2	General Overview — Data Base Maintenance Procedures
<b>190-520 COSMOS (Computer System for Main Frame Operations) — Network Administration</b>			① 190-520-041	2	Discrepancy Identification — Data Base Maintenance Procedures
① 190-520-005	5	Operational Review — Procedures	① 190-520-042	3	Discrepancy Corrective Transactions — Data Base Maintenance Procedures
190-520-006	1	Operational Review — Generic 9.0 Procedures	① 190-520-050	1	System Backup Procedures
Addendum	1		① 190-520-051	2	Responsibilities for Area/Dial Transfers — Description
190-520-007	2	Dedicated Inside Plant (DIP) Administration — Guidelines	① 190-520-060	1	Centrex Management — Guidelines
① 190-520-010	1	Overview and System Reports — Telephone Number Management	190-520-100	2	System Description and Administration
190-520-011	2	Telephone Number Aging — Telephone Number Management	190-520-220	1	Frame Management — Administrative Guidelines and Procedures
① 190-520-013	2	Type and Status Changes — Telephone Number Management	<b>190-521 RMAS (Remote Memory Administration System) and RMAP (Remote Memory Administration Position)</b>		
① 190-520-014	1	Complex Service Order Assignment — No. 5XB and No. 5 ETS — Telephone Number Management	190-521-101	1	RMAP — Description
① 190-520-015	1	Complex Service Order Assignment — Step-by-Step Telephone Number Management	190-521-200	2	RMAS — Description
① 190-520-017	2	Text Editor (TED) — File Description, Administration, and Input Procedures for Complex Service Assignment (CSA) and Non-CSA Applications	190-521-201	1	RMAP — Operating Procedures
			190-521-202	2	RMAP — Trouble Sectionalizing
			Addendum	1	
			190-521-203	1	RMAP — Acceptance Tests

Number	Issue	Subject	Number	Issue	Subject
190-521-211	1	RMAS — Operating Procedures	❶ 190-540-421	3	Control Pages — Display System — Operations Support Systems
190-521-212	1	RMAS — Trouble Isolation and Recovery Procedures	❶ 190-540-422	3	Input and Monitor Pages — Cathode Ray Tube Display System — Description
190-521-213	1	RMAS — Acceptance Test Procedures	❶ 190-540-423	2	Exception Pages — Cathode Ray Tube Display System — Description
190-521-214	1	RMAS — Retrofit Procedures	❶ 190-540-424	3	Analysis Pages — CRT Display System — Description
<b>190-523 SNC-2000 (Sub-Network Controller) CPro</b>			❶ 190-540-425	1	Machine Data Pages — CRT Display System — General Description
190-523-101	2	CPro 2000 User's Guide (2-95)	❶ 190-540-426	1	No. 4XB Machine Data Summary — CRT Display Pages
<b>190-540 EADAS/NM (Engineering and Administrative Data Acquisition System/Network Management)</b>			❶ 190-540-427	1	4ESS Switch Machine Data Summary — CRT Display Pages
❶ 190-540-060	1	Network Management	190-540-429	1	No. 5 Crossbar Machine Data Summary — Cathode Ray Tube Display Pages Description
190-540-100	4	Description	190-540-430	1	No. 1 Crossbar Machine Data Summary — Cathode Ray Tube Display Page Description
190-540-200	2	Descriptive Supplement for Network Maintenance	190-540-431	1	Step-by-Step Machine Data Summary — Cathode Ray Tube Display Page Description
190-540-201	2	Central Unit — Maintenance Operation Procedures	❶ 190-540-432	2	1/1A ESS Switches Cathode Ray Tube (CRT) Display Page Description
190-540-202	1	Central Unit — Trouble Sectionalizing EADAS/NM	❶ 190-540-434	1	1 ESS Traffic Direction — CRT Display Page
190-540-203	2	Wall Display Board — Assignment Guidelines	❶ 190-540-437	3	Reroute Package — Description
190-540-204	1	Wall Display Board — Tests	❶ 190-540-470	1	Central Control Unit Operations — Training Administration Guide
190-540-205	2	Interfaces — Integration Procedures and Tests	190-540-471	1	Instructor Guide — Central Control Unit Clerical Training
❶ 190-540-401	1	System Description	❶ 190-540-472	1	Central Control Unit Operations Training
❶ 190-540-406	2	Network Exception Display Board	<b>190-7 Integrated and Force Administration System</b>		
❶ 190-540-408	1	Central Control Unit — Administrative Procedures — Operating Support Systems	<b>190-701 IFFAS (Integrated Facilities and Force Administration System)</b>		
❶ 190-540-409	2	Load Generic Program — Position Practice	190-701-100	1	Description and Operation
190-540-410	2	Load, Create, Install, and Back Up the Data Base — Position Practice	190-701-201	1	Trouble-Locating Procedures
❶ 190-540-411	2	General Central Control Unit (CCU) Operations — Position Guide			
❶ 190-540-414	3	Data Base Encoding Instructions			
❶ 190-540-415	2	Data Base — Office and Trunking File Construction			
❶ 190-540-418	3	General Description CRT Display System			
❶ 190-540-419	4	Trunk Group Pages — CRT Display System			
❶ 190-540-420	1	Display System — Machine Data Displays			

**Division 191**

**Operations Center Deliverable Documentation**

**191-0 General Information**

**191-1 Network and Central Office Operations**

- 100/149 Special Services
- 100 Network Terminal Equipment Center (NTEC)
- 150/199 Central Office Operations
- 160 Electronic Systems Assistance Center (ESAC)
- 161 Automatic Message Accounting Control Center (AMACC)
- 170 Recent Change Memory Administration Center (RCMAC)
- 172 Work Management System (WMS)

**191-3 Distribution Service Planning Center (DSPC)**

- 350/399 Distribution Engineering

**191-4 Distribution I&M**

**191-8 Public Services and ISO**

Number	Issue	Subject
191-100-030	1	Network Terminal Equipment Center — Transition, Planning, and Implementation Guide
191-100-040	1	Network Terminal Equipment Center — Transition, Planning, and Implementation — Workbook Description
191-100-100	1	Network Terminal Equipment Center — Description
191-100-200	1	Network Terminal Equipment Center — Management Guide
Appendix 1	1	NTEC Manager — Job Summary
Appendix 2	1	NTEC Field Supervisor — Job Summary
Appendix 3	1	NTEC Center Supervisor — Job Summary
Appendix 4	1	NTEC Serving Test Center Supervisor — Job Summary
Appendix 5	1	Provisioning Work Coordinator — Work Assignment List — Network Terminal Equipment Center (NTEC)
Appendix 6	1	Maintenance Work Coordinator — Work Assignment List — Network Terminal Equipment Center (NTEC)
Appendix 7	1	Circuit Order Technician — Work Assignment List — Network Terminal Equipment Center (NTEC)
Appendix 8	1	Equipment Order Technician — Work Assignment List — Network Terminal Equipment Center (NTEC)
Appendix 9	1	Circuit Maintenance Technician — Work Assignment List — Network Terminal Equipment Center (NTEC)
Appendix 10	1	Equipment Maintenance Technician — Work Assignment List — Network Terminal Equipment Center (NTEC)
Appendix 11	1	Equipment Analyzer — Work Assignment List — Network Terminal Equipment Center (NTEC)
Appendix 12	1	Administrative Clerk — Work Assignment List — Network Terminal Equipment Center (NTEC)
Appendix 13	1	Manager's Clerk — Work Assignment List — Network Terminal Equipment Center (NTEC)

Number	Issue	Subject
<b>191-0 General Information</b>		
191-000-000	18	Numerical Index — Division 191 — Operations Center Deliverable Documentation (5-95)
<b>191-1 Network and Central Office Operations</b>		
<b>191-100/149 Special Services</b>		
<b>191-100 Network Terminal Equipment Center (NTEC)</b>		
191-100-000	1	Network Terminal Equipment Center — Center Information Resources Index
Addendum	1	
191-100-010	1	Network Terminal Equipment Center — Advance Planning Guide
191-100-020	1	Network Terminal Equipment Center — Organization, Sizing and Staffing Guidelines

Number	Issue	Subject	Number	Issue	Subject
Appendix 14	1	Screening and Routing Clerk — Work Assignment List — Network Terminal Equipment Center (NTEC)	191-100-610	1	Network Terminal Equipment Center — Performance Standards Plan — Description
Appendix 15	1	Recent Change Clerk — Work Assignment List — Network Terminal Equipment Center (NTEC)	Appendix 1	1	Network Terminal Equipment Center — Key Measurements — Description
191-100-300	1	Network Terminal Equipment Center — Operations Guides Description	Appendix 2	1	Network Terminal Equipment Center — Supporting Measurements — Description
191-100-301	1	Network Terminal Equipment Center — Operation Guides — Work Flows and Description	Appendix 3	1	Network Terminal Equipment Center — Reports Description
191-100-303	1	Network Terminal Equipment Center — Analysis of the NTEC Loading Effectiveness Report	Appendix 4	1	Network Terminal Equipment Center — Supporting Measurements With Mechanized Support — Description
191-100-310	1	Network Terminal Equipment Center — Operations Guide — Administrative Clerk — Procedures	Appendix 5	1	Network Terminal Equipment Center — Key Measurements for Message Trunks — Description
191-100-320	1	Network Terminal Equipment Center — Operations Guide — Transmission Work Group — Procedures	Appendix 6	1	Network Terminal Equipment Center — Measurement Control Procedures — Summary
191-100-370	1	Network Terminal Equipment Center — Operations Guide — Screening and Routing Clerk — Procedures	191-100-620	1	Network Terminal Equipment Center — Personnel Evaluation Guide
191-100-380	1	Network Terminal Equipment Center — Operations Guide — Work Coordinators Procedures	<b>191-150/199 Central Office Operations</b>		
191-100-400	1	Network Terminal Equipment Center/Frame Control Center — Interface Agreement Description	<b>191-160 Electronic Systems Assistance Center (ESAC)</b>		
191-100-410	1	Network Terminal Equipment Center (NTEC)/Facility Maintenance and Administration Center (FMAC) — Interface Agreement Description	❶ 191-160-300	1	Electronic Systems Assistance Center (ESAC) — Center Operations Guide — Administrative Procedures and Operational Guidelines — Stored Program Control Systems
191-100-420	1	Network Terminal Equipment Center/Switching Control Center — Interface Agreement Description	<b>191-161 Automatic Message Accounting Control Center (AMACC)</b>		
191-100-430	1	Network Terminal Equipment Center/Special Service Center (NTEC/SSC) — Interface Agreement Description	191-161-001	1	Automatic Message Accounting Control Center (AMACC) — Functional Description
191-100-440	1	Network Terminal Equipment Center/Distribution Services — Interface Agreement Description	<b>191-170 Recent Change Memory Administration Center (RCMAC)</b>		
191-100-600	1	Network Terminal Equipment Center — Center Evaluation Guide	191-170-000	3	Center Information Resources Index — Recent Change Memory Administration Center (RCMAC)
			191-170-005	1	Center Advance Planning — Guidelines — Recent Change Memory Administration Center (RCMAC)

Number	Issue	Subject
191-170-010	1	Center Transition Guide — Initial Tactical Planning — Recent Change Memory Administration Center (RCMAC)
191-170-015	1	Center Transition Guide — Planning and Implementation Guidelines — Remote Memory Administration System (RMAS)
191-170-100	1	Recent Change Memory Administration Center (RCMAC) — Description
191-170-105	1	Recent Change Memory Administration Center (RCMAC) — Description — Model Interdepartmental Agreements
Addendum	1	
191-170-200	1	Center Management Guide Overview — Recent Change Memory Administration Center (RCMAC)
191-170-300	1	Center Operations Guide — Recent Change Memory Administration Center (RCMAC)
191-170-400	1	Centrex Customer Change Feature — Operating Procedures
191-170-405	1	Computer System for Main Frame Operations (COSMOS) Dial Transfer Using COMM-STOR* Communications Storage Unit — Operating Procedures — Recent Change Memory Administration Center (RCMAC)

**191-172 Work Management System (WMS)**

■ Revision 2	9/94	
■ Revision 1	2/94	
■ 191-172-010	4	Work Management System User's Guide
■ 191-172-011	1	Work Management System Quick Reference Guide

**191-3 Distribution Service Planning Center (DSPC)**

**191-350 Distribution Engineering**

191-350-000	1	Center Information Resources Index
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Number	Issue	Subject
191-350-001	1	Center Transition Guide
191-350-100	1	Center Description
191-350-200	1	Center Management Guide
191-350-300	1	Center Operations Guide
191-350-500	1	Center Training Description

**191-4 Distribution I&M**

191-400-000	1	Installation Center — Center Information Resources Index
191-400-100	1	Installation Center — Center Description
191-400-200	2	Installation Center Management Guide
191-400-300	2	Installation Center Operation Guide
191-400-600	2	Installation Center — Center Evaluation Guide
191-405-600	1	Maintenance Center — Center Evaluation Guide
191-410-100	1	Combined Dispatch Administrative Center — Center Description

**191-8 Public Services and ISO**

191-825-000	1	Minicomputer Maintenance and Operations Center — Center Information Resources Index
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**Division 193**

**Computer Applications Software Support Products**

**193-0 Index and General Information**

-010 Software Development Tools

**193-1 Communications**

-101 Data Collection Services

-102 AIMS (Advanced Interactive Maintenance System)

-110 DSAS (Direct Services Dialing Assignment System)

**193-2 Business and Industry**

-201 Accounting

-202 Banking/Investments

-203 Finance

-213 Quality

-221 Application Development Workgroup (ADP)/COBOL

**193-3 Education and Science**

**193-4 Environment and Energy**

**193-5 Government and Law**

**193-6 Health and Medical**

**193-7 Recreation**

**193-8 Transportation**

Number Issue Subject

**193-0 Index and General Information**

**193-000 Index**

193-000-000 15 Numerical Index — Division 193 — Computer Applications — Software Support Products (5-95)

**193-010 Software Development Tools**

193-010-201 1.1 Display Construction Set (DCS)— User Manual— Introduction and Tutorial Generic 1.1

Number	Issue	Subject
193-010-202	1.1	Display Construction Set (DCS)— User Manual— Introduction and Tutorial Generic 1.1
193-010-203	1.1	Display Construction Set (DCS)— User Manual— Introduction and Tutorial Generic 1.1

**193-1 Communications**

**193-101 Data Collection Services**

■ Addendum	1	
■ 193-101-100	2.0	Call Attempt Data Collect System R2.0 Data Collection and Distribution Systems — System Management Guide

**193-102 AIMS (Advanced Interactive Maintenance System)**

⊕193-102-101	1	AIMS Rel 1 (An AT&T Terminal Solution for the 4ESS™ Switch) User's Guide (With SW Diskett)
⊕193-102-102	1	AIMS Rel 2 User's Guide (With SW Diskett)
⊕193-102-103	1	AIMS Rel 2 User's Guide (with SW diskett to upgrade from Rel 1 to Rel 2)
⊕193-102-104	1	Hardware — AIMS System 7 Software Release 3 for 5ESS, 4ESS and 1A ESS Switches, and other 3B20D Applications — Software and User's Guide (3-95)
⊕193-102-105	1	Hardware — AIMS System 8 Software Upgrade for 4ESS and 1A ESS Switch Applications — Software and User's Guide, Release 2 Upgrade to Release 3 (3-95)
193-102-503	1	Hardware AIMS System 2
193-102-504	1	Hardware AIMS System 3
193-102-506	1	Hardware AIMS System 5
193-102-512	1	Hardware — AIMS System 9 Dedicated AIMS Terminal (3-95)
193-102-513	1	Hardware — AIMS System 10 Multimedia AIMS Terminal with Internal CD-ROM (3-95)
193-102-514	1	Hardware — AIMS System 11 Multimedia AIMS Terminal with External CD-ROM (3-95)

Number	Issue	Subject
193-102-515	1	Hardware — AIMS R3 System 12 Dedicated AIMS Terminal/Turnkey for 5ESS, 4ESS and 1A ESS Switches, and other 3B20D Applications (Includes 193-102-510 and 193-102-512) (3-95)
193-102-516	1	Hardware — AIMS R3 System 13 Multimedia AIMS Terminal with Internal CD-ROM/Turnkey for 5ESS, 4ESS and 1A ESS Switches, and other 3B20D Applications (Includes 193-102-510 and 193-102-513) (3-95)
193-102-517	1	Hardware — AIMS R3 System 14 Multimedia AIMS Terminal with External CD-ROM/Turnkey for 5ESS, 4ESS and 1A ESS Switches, and other 3B20D Applications (Includes 193-102-510 and 193-102-514) (3-95)
193-102-525	1	AT&T 577 Printer
193-102-526	1	NCR Parallel Printer
193-102-527	1	Parallel to Serial Converter
193-102-529	1	Hardware AIMS HP Laserjet IV Printer, cable, shipping, and 1 year onsite warranty

**193-110 Direct Services Dialing Assignment System (DSAS)**

193-110-100	4	DSAS ENAC User's Guide (1-93)
193-110-101	4	DSAS Remote User's Guide (1-93)
193-110-102	1	DSAS Administration Guide (1-93)
193-110-103	4	DSAS Trainer's Guide (1-93)

**193-2 Business and Industry**

**193-202 Banking/Investments**

■ 193-202-100	3.0	AIM (AT&T Investment Modeling System) — PC User's Guide — 2.1 Version AT&T Investment Modeling Software for All Entities
193-202-103	1	AIM/UNIX®* — Release 1.0 User's guide — UNIX Version

Number	Issue	Subject
<b>193-203 Finance</b>		
■ 193-203-101	3	(FITS) Financial Information and Tracking System
■ 193-203-120	1	Budget Management Workbench (BMW) — Binder and Test)
■ 193-203-130	1	Financial Input System — User Guide
■ Addendum	3/95	
■ 193-203-131	1	Financial Input System — Error Guide
■ Addendum	3/95	
■ 193-203-132	10/92	Financial Input System — Technical Guidelines
■ Addendum	1	
■ 193-203-135	1	AT&T Financial Input System (AFIS) Error Guide (6-93)
■ Addendum	3/95	
■ 193-203-136	5	FCE User Specifications
■ Revision 1	9/94	Recipients Update
■ 193-203-137	2/95	AT&T Financial Input System (AFIS) Appendix A ''

**193-213 Quality**

■ 193-213-030	1	Quality Software Base Training Program Package (4 documents below)
■ 193-213-031	1	Basic Statistics and Data Analysis
■ 193-213-032	1	Quality Excellence
■ 193-213-033	1	Quality Cost Concept
■ 193-213-034	1	Building In Quality Design Considerations
■ 193-213-035	1	Enhancing Your Set of Quality Tools (CQ1007)
■ 193-213-036	1	Controlling Electrostatic Discharge (MS3107)

**193-221 Application Development Workgroup (ADP)/COBOL**

193-221-100	1	ADW/COBOL— User Guide
193-221-101	1	ADW/COBOL— Server Guide

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Number	Issue	Subject
<b>193-280 DPIC (Distributed Product Inventory Control System)</b>		
Addendum	1	
193-280-110	2	DPICS — User's Guide

**Division 195**

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**Interactive Documentation**

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**195-0 Index and General Information**

**195-9 Information Delivery System (IDS)**

Number	Issue	Subject
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**195-0 Index and General Information**

195-000-000	1	
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**195-9 Information Delivery System (IDS)**

**195-900 Information Delivery System (IDS)**

195-900-001	6.1	AT&T Information Delivery System — Display Software User Guide
195-900-002	6.0	AT&T Information Delivery System — Administrator Guide
195-900-003	6.0	AT&T Information Delivery System — Display Software Quick Reference
195-900-004	6.0	AT&T Information Delivery System — Authoring Software User Guide

**Division 201****Central Offices Supplemental Information**

- 201-0 Indexes and Equipment Test Lists  
 -099 Customer Information Releases (CIRs)
- 201-1 Administrative Documents
- 201-2 Distributing Frames  
 -206/219 Protectors and Associated Connectors  
 -220 Conventional Distributing Frames  
 -221 Modular Distributing Frames  
 -222 COSMIC® (Common Systems)
- 201-3 Civil Air Defense Warning Systems
- 201-5 Announcement Systems, Subscriber Services, Timing Circuits, Tone Supply Circuits  
 -501 Subscriber Operated Time Announcement Service  
 -505 No. 1 and 1B Announcement Systems  
 -507 No. 3A Announcement Systems  
 -508/509 No. 4A, 6A, and 9A Announcement Systems  
 -511 No. 5A Announcement Systems  
 -513 No. 6A Announcement Systems  
 -515 No. 8A and 9A Announcement Systems  
 -517 No. 11A Announcement Systems  
 -518 No. 12A Announcement Systems  
 -521 14A Announcement System  
 -525 Announcement Administration Processor (AAP) for 4ESS™  
 -570/580 Timer and Tone Circuits
- 201-6 Alarm Systems and Order Wires, Miscellaneous Fuse Alarms, Emergency Line and Trunk Transfer Circuits, Alerting Systems, and Telemetry  
 -601 Emergency Alarm Circuits  
 -604 Fuse Alarms  
 -605 Major Audible Alarm  
 -607 Insulation Alarm Circuits  
 -610 Cable Pressure Telemetry  
 -611 Cable Gas Pressure Alarm Circuits  
 -612 CPMS (Cable Pressure Monitoring System)  
 -613 Cable Protection Alarm  
 -614/629 Alarm, Control and Distribution Circuits

- 630/634 Alarm and Control System  
 -635/637 TD/TH Radio Relay System  
 -639 E1 Status Reporting and Control System  
 -640/642 Television, L4, and Local Order Circuits  
 -643 Status Assembling System  
 -644 E2 Status Reporting and Control System  
 -645 Group Alerting System  
 -646 Wire Circuits  
 -647 E3 Alarm System  
 -650/652 Emergency Line Circuits  
 -653 General Telemetry Processor

**201-7 Operator Training Equipment and Common Switchboard Sections****201-8 Common System Features and Circuits**

- 819/844 Miscellaneous Circuits  
 -850 No. 1 Trunk Concentrator

**201-9 Billing Systems**

- 900 AMARC (Automatic Message Accounting Recording Center)  
 -901 BDT (Billing Data Transmitter)  
 -902 CAMA-C (Centralized Automatic Message Accounting — Computerized)  
 -903 HOBIS/CCRS (Hotel Billing Information System/Centralized Credit Refund System)  
 -905 AMA (Automatic Message Accounting)  
 -906 COBRA® (Customer Order Entry and Billing Revenue Administration)

Number	Issue	Subject
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**201-0 Indexes and Equipment Test Lists**

Number	Issue	Subject
201-000-000	18	Numerical Index — Division 201 — Supplemental Information — Central Offices (5-95)
201-000-005	2	Alphabetical Index for Division 201
201-001-011	16	Distributing Frames
201-001-012	2	Sequence Signal Circuit
201-001-013	4	Alarms
201-001-014	6	Recorded Announcement Systems
201-001-015	4	Dial Long Line Circuit
201-001-016	7	Coin Station Test Line

Number	Issue	Subject
201-001-017	1	Video Supervisor Signal Supply — Miscellaneous Equipment
201-001-018	5	PBX AIOD
201-001-020	7	Billing Systems
201-001-021	3	Order Wire Circuits
201-001-022	2	Group Alternating System
201-001-023	2	Emergency Line Circuit
201-001-024	2	Operator Training Equipment
201-001-025	6	Miscellaneous Common System Circuits
201-001-026	5	Tone Supply Circuits
201-001-027	6	No. 1 Trunk Concentrator
201-001-028	4	Local Test Desks
201-020-001	1	Prevention of Service Interruptions and of Abnormal Maintenance Effort During Periods of Installation Activity in Central Offices
201-020-002	1	Prevention of Service Interruptions — General Installation Requirements — Attachment Section 800-614-150
201-020-003	1	Prevention of Service Interruptions Power Plant Bus Bar and Wiring General Equipment Requirements — Power Systems — Attachment Section
201-020-010	1	Prevention of Service Interruptions — Attachment WECO Handbook 0, Section 10
201-020-011	1	Prevention of Service Interruptions — Attachment WECO Handbook 0, Section 11
201-020-012	1	Prevention of Service Interruptions — Attachment WECO Handbook 0, Section 12
201-020-013	1	Prevention of Service Interruptions — Attachment WECO Handbook 0, Section 13
201-020-014	1	Prevention of Service Interruptions — Attachment WECO Handbook 0, Section 14
201-020-015	1	Prevention of Service Interruptions — Personal Injuries — Damage to Building Equipment — Attachment WECO Handbook 22, Section 10
201-020-020	1	Prevention of Abnormal Maintenance — Attachment WECO Handbook 3, Section 13

Number	Issue	Subject
201-020-025	1	Transition Method of Procedure — Attachment WECO Handbook 22, Section 40
201-020-026	1	Power Transitions — Attachment WECO Handbook 22, Section 1
201-020-052	1	WATS Billing Quality Measurement Plan — Network Operations Methods — Common Methods
Addendum	1	
201-020-510	1	Controlled Maintenance Plan for Switching Systems — General
201-020-511	1	Central Office and Switching Control — Center Operational Reviews — General — Network Operations Methods
■ 201-021-001	1	Heat Stress Tests — Description and Methods — Stored Program Controlled Systems (SPCS)

**201-099 Customer Information Releases (CIRs)**

201-099-002TD	3	AT&T BILLDATS® Collector, Operations Systems
201-099-020NP	2	ARU (Alarm Relay Unit)
201-099-023TD	1	COSMIC® Distributing Frame Systems — Enhancements and Growth Methods
201-099-024TD	1	800 PGY and 800 ("Blue") Cord — 800 RGY and 800 RHY ("Orange") Cord — Distributing Frame Systems

**201-1 Administrative Documents**

201-102-001	5	Dial Central Office Service Index Plan — General
201-102-002	4	Dial Central Office Service Index Plan — Tables
201-110-001	1	Central Office Work Scheduling
201-114-001	6	Record of Equipment Out of Service — Administrative Sections — Supplemental Information — Central Offices

**201-2 Distributing Frames**

201-200-001	3	Distributing Frames and Associated Equipment Alphabetical Index
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Number	Issue	Subject	Number	Issue	Subject
Addendum	1		201-206-701	1	444-Type Jacks — Requirements and Adjusting Procedures
201-200-002	1	Cross-Connection Studies for Equipment Account Investment — Instructions and Methods	201-206-801	3	C-, E-, and Similar Type Protectors Including 444-Type Jacks — Piece Part Data and Replacement Procedures
Addendum	1		201-207-101	2	300-Type Connectors and Associated Protectors — Description
201-200-005	2	Frame Performance Measurement Plan	201-207-102	2	Cords, Plugs, and C Test Connector Used With 300-Type Connectors and 121-Type Protectors — Description — Conventional Main Distributing Frames
Addendum	1		201-207-301	1	300-Type Connectors and Associated Protectors — Maintaining Protectors
201-200-010	3	Frame Force Management	201-207-801	2	300-Type Connectors and Associated Protectors and 121-Type Protectors — Repair Procedures
201-200-012	1	Conventional Distributing Frame — Frame Rehabilitation Guide	201-208-100	5	Plug-In Protector Units (3-, 4-, and 7-Type) (5-93)
Addendum	2		201-208-103	2	Tools and Aids — Distributing and Protector Frames
201-200-013	2	Controlled Maintenance Plan — Description	201-208-106	4	303-, 305-, 309-, and 310-Type Connectors — Associated Cords, Plugs, and Test Connectors — Description — Conventional Distributing Frames
Addendum	1		Addendum	1	
201-200-014	2	Frameworker Performance Plan	201-208-107	1	302-Type Connectors — Description, Use, Installation, and Repair Procedures
201-200-015	3	Operational Review	Addendum	1	
Addendum	1		201-208-108	1	303-Type Connectors — Description, Use, Installation, and Repair Procedures
④201-200-050	5	AT&T Network System Distributing Frame Systems Product Manual DFSPM (1-94) Note: Available on CD-ROM	Addendum	1	
Revision 1	2/93		201-208-109	1	305-Type Connectors — Description, Use, Installation, and Repair Procedures
Addendum	1		Addendum	1	
201-200-060	1	Distributing Frame Systems Practices	201-208-110	5	307-Type Connectors — Description
201-200-101	1	Incoming and Outgoing Trunk Distribution Centers in the No. 4A Toll Switching System — Description	Addendum	1	
			201-208-111	1	308-Type Connectors — Description, Use, Installation, and Repair Procedures
			Addendum	1	
<b>201-206/219 Protectors and Associated Connectors</b>			201-208-112	1	309-Type Connectors — Description, Use, Installation, and Repair Procedures
Addendum	1				
201-206-050	1	Cable Terminating Apparatus, Selection, Distributing, and Protector Frames			
201-206-101	2	C-, E-, and Similar Type Protectors Including 444-Type Jacks (301-Type Connector) — Description			
201-206-102	1	C-, E-, and Similar Type Protectors Including 444-Type Jacks (301-Type Connector) Associated Cords and Plugs			
201-206-301	1	C-, E-, and Similar Type Protectors — Maintaining Protectors			
201-206-501	2	Protectors and Protector Mountings — C-, E- and Similar Type — Heat Coil and Protector Spring Contact Tests			

Number	Issue	Subject	Number	Issue	Subject
201-208-113	2	310- and 310M-Type Connectors — Description, Use, Installation, and Repair Procedures	201-220-302	2	93-Type Connecting Blocks — Description, Methods of Cross-Connecting, and Repair Procedures
201-208-114	2	311/311L-Type Connectors — Description, Use, Installation, and Repair Procedures	Addendum	1	
Addendum	1		201-220-303	4	89-Type Connecting Blocks — Description, Method of Cross-Connecting, and Repair Procedures
201-208-115	1	410- and 410M-Type Unprotected Connectors — Description, Use, Installation, and Repair Procedures	201-220-501	2	Inspections
Addendum	2		201-220-801	2	Terminal Strips — Repair Procedures
201-208-116	1	407-Type Unprotected Connectors, Description, Use, Installation, and Repair Procedures	<b>201-221 Modular Distributing Frames</b>		
201-208-803	1	KS-20100, L2 Test Set — Piece Part Replacement	201-221-101	3	Description — 1 and 2 ESS™ Switches
☐ 201-210-101	1	Wideband Distributing Frame — Picturephone® Central Office — General Description	201-221-102	3	Types of Protection — 1 and 2 ESS Switches
201-211-101	2	Central Office Terminating Unit for Integrated Protection System — Description, Installation, and Maintenance	201-221-103	2	ESS-Type Warning Markers and Guards
201-215-501	2	2A Range Extender — Miscellaneous Tests	201-221-105	2	ESS-Type Connecting Blocks — Description — 1 and 2 ESS Switches
201-216-101	1	Miniature Test/Talk System — Description — Distributing and Protector Frames	201-221-301	2	Method of Crossing-Connecting — 66G-, 66H-, 78A1, and 78B1-Type Connecting Blocks — 1 and 2 ESS Switches
201-216-102	1	Cords and Plugs — Description — Miniature Test/Talk System	201-221-501	2	Inspections — 1 and 2 ESS Switches
201-216-801	2	Miniature Test/Talk System — Piece Parts and Replacement Procedures — Distributing and Protector Frames	201-221-801	2	66- and 78-Type Connecting Blocks — Replacement Procedures — 1 and 2 ESS Switches
201-217-101	2	2000AV ComPanel Description, Installation, and Operation	<b>201-222 COSMIC® (Common Systems Main Inter Connecting) Distributing Frame System</b>		
201-219-101	1	Protector Frames — Description	201-222-050	1	Planning, Engineering, Installation, and Operation — System Reference Guide
201-219-501	1	Protector Frames — Inspections	Addendum	1	
<b>201-220 Conventional Distributing Frames</b>			201-222-105	3	78C- and 112-Type Connecting Blocks — Description — COSMIC II Main Distributing Frame System
201-220-101	5	Description	201-222-120	3	COSMIC II Mini Combined Distributing Frame — Description
201-220-102	4	Types of Protection on A-Type Frames	201-222-301	4	Connecting Blocks — Method of Making Connections — COSMIC I Subscriber Main Distributing Frame System
201-220-103	5	Types of Protection — Description — B-Type Double-Sided Protector Frames			
201-220-105	1	Terminal Strips — Description			
201-220-301	4	Terminal Strips — Method of Making Connections			



Number	Issue	Subject	Number	Issue	Subject
201-222-320	1	112-Type Connecting Blocks — Method of Making Connections — COSMIC II Mini Combined Distributing Frame	<b>201-501 Subscriber Operated Time Announcement Service</b>		
201-222-501	2	COSMIC I — Main Distributing Frame System — Inspections	201-501-501	1	Control and Distributing Circuit — Tests
<b>DC Power Distribution</b>			201-501-502	1	Announcement Trunk Circuits — Tests
201-224-100	2	J86334A DC Power Distributing Frame — Operating Methods	<b>201-505 No. 1 and 1B Announcement Systems</b>		
201-224-101	3	J86334B, J86334C, and J86334D — DC Power Distributing Frames — Description and Operation	201-505-101	1	No. 1 and 1B — Time of Day Service — Description
<b>201-3 Civil Air Defense Warning Systems</b>			201-505-301	1	No. 1 and 1B — Time of Day Service — Method of Tracing Alarms
201-301-301	2	SD-95332-01 — Procedures in Case of Alarm	201-505-302	1	No. 1 and 1B — Time of Day Service — Method of Taking Equipment Out of Service
201-301-501	2	SD-95332-01 — Tests	201-505-501	2	No. 1 and 1B — Time of Day Service — Desk Circuits — Tests
201-302-501	9	Dial Pulse Receiving and Control Circuit SD-95685-01 — Maximum Five Lines and Public Signal Control Circuit SD- 95688-01 — Tests	201-505-502	4	No. 1 and 1B — Time of Day Service — Incoming Distributing Circuits — Tests
201-303-501	7	Dial Pulse Receiving and Control Circuit SD-95743-01 — Maximum Eight Lines and Public Signal Control Circuit SD- 95688-01 — Tests	201-505-503	1	No. 1 and 1B — Time of Day Service — Outgoing Distributing Circuits — Tests
Addendum	1		201-505-504	2	No. 1 and 1B — Time of Day Service — Announcement Trunk Circuits — Tests
201-304-501	9	Dial Pulse Receiving and Code Distributing Circuit SD-95678-01 — Maximum 200 Lines and Public Signal Control Circuit SD- 95688-01 — Tests	<b>201-507 No. 3A Announcement Systems</b>		
201-305-501	1	System Dialing and Pulsing Tests —Branch Circuit Dialing Test	201-507-501	1	No. 3A — Control, Volume Limit Indicator and Tape Amplifier Circuits — Tests
201-306-501	2	Two-Way Signaling Repeaters — Tests	201-507-502	1	No. 3A — Control Circuit — Subcenter — Tests
201-307-501	4	Station Line Test Using Test Circuit SD- 95746-01	201-507-503	1	No. 3A — Trunk Circuits and Associated Distributing Circuits — Tests
<b>201-5 Announcement Systems, Subscriber Services, Timing Circuits, Tone Supply Circuits</b>			<b>201-508/509 No. 4A, 6A, and 9A Announcement Systems</b>		
201-500-001	1	Interdivisional Alphanumeric Index — Announcement Systems and Related Equipment	201-508-501	2	No. 4A, 6A, and 9A —Subcenter — Distributing and Alarm Circuits — Tests
			201-509-501	2	No. 4A — Distributing and Alarm Circuits — Tests — Common Systems
			201-509-502	1	No. 4A — Announcement Trunks — Tests

Number	Issue	Subject
<b>201-511 No. 5A Announcement Systems</b>		
201-511-101	1	No. 5A — General Description
201-511-301	1	No. 5A — Operation
201-511-501	4	No. 5A — Tests
<b>201-513 No. 6A Announcement Systems</b>		
201-513-501	4	No. 6A Machine Intercepting Control Circuit — Tests
201-513-502	1	No. 6A — Machine Intercepting — Distributing and Alarm Circuit — Tests
<b>201-515 No. 8A and 9A Announcement Systems</b>		
201-515-501	2	No. 8A and 9A — Tests
<b>201-517 No. 11A Announcement Systems</b>		
201-517-501	1	No. 11A — Tests
<b>201-518 No. 12A Announcement Systems</b>		
201-518-101	2	No. 12A SD-26435-01 — Description, Operation, and Maintenance — Common Systems
<b>201-519 No. 13A, 13A+, and 14A Announcement Systems</b>		
■ 201-519-012	1	Announcement System Manager (ASM) Plus User Guide (1-95)
201-519-101	4	No. 13A — Description and Operating Procedures — Common Systems
201-519-102	1	No. 13A+ Announcement System — Description and Operating Procedures
201-519-103	1	No. 13A+ Announcement System — Description and Operating Procedures (Multiweight Format)
201-519-110	2	13A/14A Remote Record Unit (ALD3) — Description and Operating Procedures (6-92)
201-519-120	1	13A/14A Remote Record Concentrator — Description and Operating Procedures (6-92)

Number	Issue	Subject
201-519-301	2	No. 13A SD-97753-01 — Operating, Testing, and Trouble Analysis Procedures — Common Systems
<b>201-520 CSRAF (Common Systems — Recorded Announcement Frame)</b>		
201-520-101	5	SD-97725-01, SD-97725-02, SD-97725-03, and SD-97725-04
201-520-301	4	SD-97725-01, SD-97725-02, and SD-97725-03 — Operating Procedures
201-520-501	3	SD-97725-01 and SD-97725-02 — Tests and Trouble Analysis
201-520-701	4	SD-97725-01, SD-97725-02, SD-97725-03, and SD-97725-04 — Requirements and Adjusting Procedures
201-520-801	5	SD-97725-01, SD-97725-02, and SD-97725-03 — Piece-Part Data and Replacement Procedures
<b>201-521 14A Announcement System</b>		
201-521-101	5	14A Announcement System — Description and Operating Procedures — Common Systems
<b>201-522 15A Announcement System</b>		
201-522-101	3	15A Announcement System — Description and Operating Procedures — Common Systems (11-94)
<b>201-525 Improved Service Announcements and Information Collection (ISAIC) for 4ESS™</b>		
■ 201-525-010AC	1	ISAIC System Description
■ 201-525-012AC	2/92	Announcement Administration Processor (AAP) Administration Guide
■ 201-525-014AC	2/92	AAP Operations Manual
■ 201-525-016AC	2/92	AAP Troubleshooting Guide
■ 201-525-018AC	2/92	AAP Growth and Additions for Field Site
<b>201-570/580 Timer and Tone Circuits</b>		
201-570-501	1	5A Timer — Tests

Number	Issue	Subject
201-576-501	3	400A Tone Generator — (Receiver Off- Hook Tone) — Tests
201-578-501	7	Tone Detector Circuit SD-94800-01 — Tests and Adjustments
201-578-502	3	8A and 8B Tone Detectors (J94008A) (J94008B) — SD-99551-01 Tests and Adjustments — Common Systems
201-579-501	3	Test Progress Tone Circuit SD-96603-01 — 2225-Hz Supply and Distributing Circuit — Tests
201-580-301	1	No-Such-Number Tone Supply Alarm Procedures, Manual Transfer and Trouble Clearing Procedures
201-580-501	1	No-Such-Number Tone Supply Circuits — Tests

#### 201-6 Alarm Systems and Order Wires, Miscellaneous Fuse Alarms, Emergency Line and Trunk Transfer Circuits, Alerting Systems, and Telemetry

##### 201-601 Emergency Alarm Circuits

201-601-101	3	Description
201-601-501	2	SD-90642-01 — Separate Incoming Alarm From Distant Office — Tests
201-601-502	4	SD-90641-01 or SD-96052-01 Arranged for Automatic Fire Detection — Single Zone — Tests
201-601-503	6	SD-90560-01 or SD-96049-01 Arranged for Zone Indicating Lamps and Automatic Fire Detection — Multi-Zone — Tests
201-601-504	3	SD-90437-01 — Arranged for Code Signaling and Automatic Fire Detection — Tests
201-601-600	4	Alarm Relay Unit (ARU) — User Manual
201-601-605	1	Alarm Alerting Unit — Technical Description

##### 201-603 Fire Drill Alarm

201-603-501	1	Fire Drill Alarm Circuit SD-90086-01 Tests
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Number	Issue	Subject
<b>201-604 Fuse Alarms</b>		
201-604-501	3	Fuse Alarms for Miscellaneous Circuits — Tests
<b>201-605 Major Audible Alarm</b>		
201-605-501	1	Major Audible Alarm Circuit SD-95798-01 Arranged for Coded Signaling — Miscellaneous Tests
<b>201-607 Insulation Alarm Circuits</b>		
201-607-301	2	Cable Insulation Alarm Circuit SD-96348- 01 — Method of Operation and Alarm Procedures
201-607-501	2	Cable Insulation Alarm Circuit SD-96348- 01 — Tests
201-609-501	2	Low Insulation Alarm Circuit SD-62489- 01 — Tests

##### 201-610 Cable Pressure Telemetry

201-610-301	3	Central Control — Description and Operation — Toll Cable Pressure Transducer System
201-610-302	1	Central Control and Cable/Transducers — Trouble Locating Procedures
201-610-311	3	KS-20537, L1 Moduprinter and AP-20 Printer — Description, Operation, and Maintenance
201-610-501	5	Central Control — Test and Trouble Analysis Procedures

##### 201-611 Cable Gas Pressure Alarm Circuits

201-611-501	3	Cable Gas Pressure Alarm Circuit SD-90412- 01 — Cable Protection Alarm Circuit SD-95025-01 and Calling-In Signal — Tests
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Number	Issue	Subject
<b>201-612 CPMS (Cable Pressure Monitoring System)</b>		
201-612-101	3	Remote and Satellite Terminals (SD- 7C000-01, SD-2P035-01) — Description
201-612-301	4	Remote Terminal (SD-7C000-01) — Trouble Locating and Alignment Procedure
201-612-302	3	Remote Terminal SD-7C000-01 — Cross- Connections
201-612-311	4	Satellite Terminal SD-2P035-01 — Trouble Locating Procedures
201-612-312	2	Satellite Terminal SD-2P035-01 — Cross- Connections
201-612-313	1	Remote Terminal Test Set (J1C013AD, L1) — Description and Operations

**201-613 Cable Protection Alarm**

201-613-501	2	Cable Protection Alarm and Calling-In Signal Circuit SD-55211-01 — Tests
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**201-614/629 Alarm, Control and Distribution Circuits**

201-614-501	1	60 I.P.M. Interrupter Alarm and Distribution Circuit SD-63899-01 or SD-63899- 02 for Teletypewriter Equipment — Tests
201-615-301	1	Alarm Receiving Circuit SD-95418-01 — Taking Equipment Out of Service
201-615-501	1	Alarm Receiving Circuit SD-95418-01 — Tests
201-616-101	1	Centralized Status, Alarm and Control System — Description
201-620-301	2	Audible and Visual Maintenance Alarm Equipment NS-01046-01 — Operating Methods, Alarm Procedures, Adjustment Procedures, and Trouble Locating Procedures
201-620-501	2	Central Office Audible and Visual — Maintenance Alarm Equipment NS-01046-01 — Tests
201-625-101	2	Telephone Order Wire Circuit SD-62476- 011 — Selective Signaling — Description
201-626-101	1	Telephone Order Wire Circuit SD-55320- 01 — 600-1500 Cycle Selective Signaling — Description

Number	Issue	Subject
201-626-501	2	Telephone Order Wire Circuit SD-55320- 01 and ES-55572-01 — 600-1500 Cycle Selective Signaling — Tests
201-627-101	1	600-1500 Cycle Selective Signaling Systems — Description
201-628-101	1	Alarm Trunk Circuit SD-64542-01 for Use Between Main and Auxiliary Repeater Stations Description
201-629-501	2	Alarm Trunk Circuit SD-64542-01 — Alarm Trunk Control Circuit SD-55055-01 — Alarm Trunk Switching Circuit SD-55859-01 — Alarm Trunk Station Selecting Circuit SD-55860-01 — Tests

**201-630/634 Alarm and Control System**

201-630-010	2	B1 Alarm Indicator Record Forms — Description
201-630-101	1	B1 — Description
201-630-301	4	B1 — Method of Operation
201-631-010	1	C1 — Forms and Records
201-631-101	4	C1 Order-Wire Circuit — Description
201-631-501	4	C1 — Tests
201-632-010	1	Alarm Indication Log — Form E-3870 — Description
201-633-301	1	D1 Order Wire Circuit — Substation and Main Station Units — Analysis and Clearance of Trouble
201-633-501	1	D1 — Out-of-Service Tests
201-634-501	2	D2 Order Wire Circuit — Out-of-Service Tests

**Distributed Monitoring and Control System (DMACS)**

■ 201-634-601	2	DMACS Engineering Reference Manual (4/94)
■ 201-634-602	2	DMACS Installation, Operation and Maintenance Manual (4/94)
■ 201-634-999	1	DMACS Quick Reference Card

**201-635/637 TD/TH Radio Relay System**

Addendum	1	
201-635-501	3	Sequence Signaling and Order Circuits — Tests

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		201-644-112	3	Manual Alarm Central — Description
201-636-501	2	Remote Control Sending and Receiving Directors and Associated Sequence Signaling Circuits — Tests	201-644-113	1	Status Polling Central — Description
Addendum	1		201-644-114	1	Status Reporting Remote — Description
201-637-501	1	Distribution Fuse, Individual, Audible, and Visual Alarm Circuit SD-56230-01	201-644-142	1	Remote Call-up Test Set — Description, Operation, and Maintenance
<b>201-639 E1 Status Reporting and Control System</b>			201-644-312	4	Manual Alarm Central Operating Procedures
201-639-100	1	General Description	201-644-501	3	Initial Trouble Diagnoses
201-639-300	1	Operation	201-644-503	5	Manual Alarm Central — Troubleshooting Procedures
201-639-501	1	Initial Trouble Diagnoses — Central Station	201-644-504	6	Alarm Reporting Remote — Troubleshooting Procedures
201-639-503	3	Troubleshooting Procedures — Central Station	201-644-510	1	Troubleshooting Procedures — Multidirectional Data Regenerator
201-639-504	4	Troubleshooting Procedures — Remote Station (J92615B1 and J92615B2)	201-644-511	1	Troubleshooting Procedures — Status Reporting Remote
<b>201-640/642 Television, L4, and Local Order Circuits</b>			201-644-513	1	Troubleshooting Procedures — Status Polling Central
201-640-501	2	Television Order Circuits and Associated Equipment — Tests	201-644-550	1	Remote Station Connections and Central Station Display — Overall System — Tests — Interconnection and Display
201-641-101	1	L4 Order Circuit (L40C) and Express Order Circuit (XOC) — Description	<b>201-645 Group Alerting System</b>		
201-642-101	1	Local Order Circuit (LOC) — Calemans Order Circuit (COC) — Description	201-645-501	2	Group Alerting System J95421 SD-95883- 01 and SD-95884-01 — Tests
<b>201-643 Status Assembling System</b>			<b>201-646 Wire Circuits</b>		
201-643-101	2	Description	201-646-101	4	4-Wire — General Purpose SD-1C245-01 — Description
201-643-301	2	Maintenance and Trouble Procedures	201-646-501	4	4-Wire — General Purpose SD-1C245-01 — Tests
201-643-501	1	Tests and Inspection — SD-5G144, SD- 5G143, and SD-5G139	<b>201-647 E3 Alarm System</b>		
<b>201-644 E2 Status Reporting and Control System</b>			Addendum	1	
Addendum	1		201-647-100	1	Description
201-644-100	4	Description — Overall System	201-647-101	2	E3 Alarm Central — Description
201-644-110	2	Multidirectional Data Regenerator — Description	201-647-301	2	E3 Central (J1P030A) Operation
201-644-111	2	Alarm Reporting Remote — Description	201-647-500	3	Initial Trouble Diagnosis
			201-647-501	2	E3 Central — Maintenance

Number	Issue	Subject	Number	Issue	Subject
<b>201-650/652 Emergency Line Circuits</b>			201-653-503	1	Cable Pressure Monitoring System — Telemetry-to-Computer Translator and Remote Maintenance
201-650-501	1	Emergency Line or Trunk Transfer Circuit SD-95690-01 — Tests	201-653-504	3	Status and Command Remote and Telemetry-to-Computer Translator — Tests
201-651-501	1	Lines Arranged for Manual Completion of Emergency Calls — Operation Test	201-653-505	1	SCOTS-C1 Interface Remote and TCT — Maintenance
201-652-501	1	Emergency Line Circuit SD-95336-01 — Tests	201-653-506	1	No. 4ESS Network Management Central and Remote Maintenance
<b>201-653 General Telemetry Processor</b>			201-653-508	1	No. 4ESS — Combined Maintenance Operations Center (CMOC) — Maintenance
201-653-010	1	Telemetry Products — User Manual	201-653-509	2	Digital Alarm Scanner (DAS) — Maintenance
201-653-011	2	General Telemetry Processor (GTP) — System Documentation	201-653-510	2	Advanced Telemetry Processor (ATP) — Maintenance
201-653-012	1	Telemetry Products — User Manual for Support Personnel	201-653-511	1	General Telemetry Processor — Maintenance
<b>E2A Telemetry</b>			201-653-520	1	Telemetry Maintenance — Common Product Line Consideration
201-653-100	2	Electromagnetic Interference Warnings	201-653-522	3	Alarm Processing Remote (APR) — Maintenance
201-653-102	4	Switching Control Center System — Description	201-653-530	1	Telemetry Customer Application Guide — Planning and Remote Selection
201-653-103	1	Cable Pressure Monitoring System (CPMS) — Description	<b>201-7 Operator Training Equipment and Common Switchboard Sections</b>		
201-653-104	3	Status and Command Remote Applications — Description	201-701-501	1	Operator Keypulsing Drill Circuit — Tests
201-653-105	1	SCOTS-C1 Interface Remote — Description	201-702-501	1	Operator Training Circuit — CAMA Training Equipment — Tests
201-653-106	1	No. 4ESS™ Network Management Central and Remote — Description	201-705-501	3	Key Monitoring Circuit SD-96314-01 — MF and DC Keypulsing — DSA, Toll and CAMA Switchboards — Tests
201-653-107	1	CDO Satellite Remote — Description and Maintenance	201-710-301	1	Location of Crosses and Grounds in Switchboard Multiple
201-653-108	1	No. 4ESS — Combined Maintenance Operations — Center Description	201-711-301	1	Removing Foreign Materials From Switchboard Jacks Using Tool Kit Per KS-6527
201-653-109	1	Digital Alarm Scanner (DAS) — Description	201-712-501	3	Idle Trunk Indicating, Group Busy, and Answering Lamp Circuits — Tests
201-653-110	3	Advanced Telemetry Processor — Description and Operations			
201-653-111	1	General Telemetry Processor — Description and Operations			
201-653-122	3	Alarm Processing Remote (APR) — System Description			
201-653-502	5	Switching Control Center — Central and Remote Maintenance			

Number	Issue	Subject	Number	Issue	Subject
201-715-501	3	MF Keyset Circuit No. 13C, 13D, 14C, 15C and 15D Switchboards — Output Level — 0 DBM Per Frequency — Tests	201-828-502	4	Remote Testing Features and Circuits — SD-99309-01 and SD-99310-01 Near- End and SD-97559-01 Near to Far-End Tests and Trouble Locating Procedures — No. 14 Local Test Desk and No. 16 Local Test Desk
201-715-502	1	MF Keyset Circuit No. 13C, 13D, 14C, 15C, and 15D Switchboards — Output Level — 3 DBM Per Frequency — Tests	201-828-503	2	Local Test Desk (LTD) No. 14 — Test and Trouble Locating Procedures
201-715-503	1	MF Keyset Circuit No. 13C, 13D, 14C, 15C, and 15D Switchboards — Output Level — 8 DBM Per Frequency — Tests	201-828-504	1	Local Test Desk (LTD) No. 16 — Tests and Trouble Locating Procedures
201-715-504	1	MF Keyset Circuits No. 13C, 13D, 14C, 15C, and 15D Switchboards — Output Level -6 DBM Per Frequency — Test	201-828-505	2	Local Test Cabinet No. 3 — Tests and Trouble Locating Procedures
201-720-501	1	Coin Zone Operator Trunk Circuit SD- 95851-01 — Tests Using Trunk Test Circuit SD-95875-01	201-829-501	1	U1 Carrier SD-1C151-01 — Central Office Unit — Test
<b>201-8 Common System Features and Circuits</b>			201-830-301	1	Automatic Identified Outward Dialing Equipment — General Maintenance Procedures
<b>201-819/844 Miscellaneous Circuits</b>			201-830-501	3	Alarms — Operation Tests — PBX Automatic Identified Outward Dialing Type A1 Equipment
201-819-501	2	Speed Test Circuit for Touch-Tone Automatic Dialers — SD-1C402-01 — Tests and Adjustments	201-831-501	4	Automatic Identified Outward Dialing, Type A2 — Alarm Tests and Operation Tests Using Station Identification Test Circuit SD-1C235-01
201-820-301	1	Touch-Tone Calling Receiving Circuit (J99266) — Trouble-Location	201-832-501	1	Dial Long Line Circuit SD-96588-01 — Test
201-821-301	2	Touch-Tone Calling-Receiving Circuit J99289 — SD-98148-01 — Trouble Location	201-832-502	5	Dial Long Line Circuits — SD-96589-01 — 96590-01 — 96591-01 — Tests Using Test Position SD-96594-01
201-822-301	2	Use of Compensating Resistance — Revertive and PC1 Pulsing Circuits	Addendum	1	
201-825-501	1	Private Line Conference Circuits With or Without Amplifiers — Tests	201-833-501	7	Coin Station Test Line SD-1C297-01 — Tests and Trouble Locating Procedures
201-825-502	2	Private Line Conference Circuit SD-96391- 01 — Transmission Tests	201-836-501	1	Video Supervisory Signal Supply Circuit SD-27909-01 Associated With Wideband Remote Switch Circuit SD-27900-01 — Tests
201-826-501	4	Auxiliary Line Circuit SD-99439-01 — Arranged for Measured Rate INWATS Service — Operation Tests	201-838-101	2	Remove Office Test Line (ROTL) — Control Panel — Description and Operation — Common Systems
201-828-501	3	Remote Testing Features SD-99308-01, SD-99311-01 — Far-End and Extended Remote Tests From Far-End — Tests and Trouble Locating Procedures — No. 14 and No. 16 Local Test Desk	201-838-701	1	Remote Office Test Line (ROTL) Control Panel — E6 Repeater Adjustment

Number	Issue	Subject
Addendum	1	
201-840-501	2	Apartment Door Answering Service (ADAS) — ST-596038 — Central Office Tests
201-840-502	1	Apartment Door — Answering Service (ADAS) — NS-02506-01 — Central Office Tests
201-841-301	1	Calendar and Clock Circuit SD-68591-01 — Clock Setting
Addendum	1	
201-842-100	1	Common Systems Message Printer SD- 94865-01 — Description, Operating Procedures, and Maintenance
201-843-501	2	Busy Line Verification — Limiting Amplifier SD-97761-01 — Transmission Tests
201-844-100	2	97A Control Unit — Description and Maintenance

**201-850 No. 1 Trunk Concentrator**

201-850-101	3	No. 1 Trunk Concentrator — Description
201-850-501	1	No. 1 Trunk Concentrator Circuit SD-97569- 01 — Tests
201-850-502	2	Outgoing Trunk Circuit to AIC SD-97570- 01 — Transmission Tests — No. 1 Trunk Concentrator
201-850-503	3	Outgoing Trunk Circuit to ACD SD-97578-01 — Direct Trunk or Via No. 1 TSPS — Transmission Tests — No. 1 Trunk Concentrator
201-850-504	1	Trunks Terminating on No. 1 Trunk Concentrator — Incoming Trunk Frame — Trunk Transmission Tests
201-850-505	2	Outgoing Trunk Circuit to No. 23-Desk SD-97578-01 — Direct Trunk or Via No. 1 TSPS — Transmission Tests — No. 1 Trunk Concentrator
201-850-506	1	Outgoing Trunk Circuit SD-97578-01 to No. 1 ESS With CAMA — Transmission Sets — No. 1 Trunk Concentrator
201-850-511	3	Outgoing Trunk Circuit SD-97570-01 — Tests Using Portable Test Set J94747A — No. 1 Trunk Concentrator

Number	Issue	Subject
Addendum	1	
201-850-512	2	Incoming Intercept ANI Trunk Circuit SD- 97571-01 — Tests Using Portable Test Set J94747A — No. 1 Trunk Concentrator
201-850-513	2	Incoming Intercept ONI-1 Trunk Circuit SD-97572-01 — Tests Using Portable Test Set J94747A — No. 1 Trunk Concentrator
201-850-514	4	Incoming Intercept ONI-3 Loop Signaling Trunk Circuit SD-97573-01 — Tests Using Portable Test Set J94747A — No. 1 Trunk Concentrator
201-850-515	4	Incoming Intercept ONI-3 E and M Lead Signaling Trunk Tests Using Portable Test Set J94747A — No. 1 Trunk Concentrator
201-850-521	4	Incoming Trunk Circuit SD-97577-01 for Directory Assistance Traffic — Tests Using Portable Test Set SD-97576-01 (J94747A) — No. 1 Trunk Concentrator
201-850-522	3	Outgoing Trunk SD-97578-01 — Tests Using Portable Test Set SD-97576-01 (J94747A) — No. 1 Trunk Concentrator

**201-9 Billing Systems**

**201-900 AMARC (Automatic Message Accounting Recording Center)**

201-900-010	2	Operation, Maintenance, and Management — No. 1 AMARC
● 201-900-030	2	Introduction to Nongeneric Parameter Data (NPD) and Instructions for Preparation of NPD Forms — No. 1A AMARC, Generics 3 and 4
● 201-900-031	2	Reproducible Nongeneric Parameter Data (NPD) Forms — No. 1 AMARC, Generics 3 and 4
Addendum	1	
● 201-900-032	1	Call Data Accumulator (CDA) Translations — No. 1A AMARC, Generic 3



Number	Issue	Subject	Number	Issue	Subject
① 201-900-033	2	Billing Data Transmitter (BDT) Translations — No. 1A AMARC, Generics 3 and 4	① 201-900-061	2	Nongeneric Parameter Data — No. 1 AMARC Dump Messages
① 201-900-034	2	No. 3 ESS Sensor Translations for No. 1A AMARC, Generics 3 and 4	① 201-900-062	2	Nongeneric Parameter Data (NPD) — Other No. 1 AMARC Administrative Records
① 201-900-035	2	Call Data Transmitter (CDT) Translations — No. 1A AMARC, Generics 3 and 4	① 201-900-063	2	Administrative Considerations for Growth and Rearrangements — No. 1 AMARC
Addendum	2		① 201-900-070	1	Introduction to Nongeneric Parameter Data (NPD) — Required for No. 1A AMARC- Generic 2 — Billing Systems — Supplemental Information — Central Offices
① 201-900-036	1	No. 5 Electronic Tandem Switching and Voice Storage System Translations — No. 1A AMARC, Generics 3 and 4	201-900-071	1	Physical Description — No. 1A AMARC, Generic 2 — Supplemental Information — Central Offices
Addendum	1		① 201-900-072	1	Description of Nongeneric Parameter Data (NPD) Tables — No. 1A AMARC, Generic 2
① 201-900-037	1	No. 2B and No. 5 Electronic Switching Systems — Translations — No. 1A AMARC, Generic 4	① 201-900-073	1	Call Data Accumulator (CDA) Translations — No. 1A AMARC
① 201-900-050	2	Introduction to Nongeneric Parameter Data (NPD) — Required — No. 1 and 1A AMARC	① 201-900-074	1	Billing Data Transmitter (BDT) Translations — No. 1A AMARC
① 201-900-051	2	Physical Description — No. 1 AMARC	① 201-900-075	1	Preparation of Nongeneric Parameter Data (NPD) Forms — No. 1A AMARC — General
① 201-900-052	2	Description of Nongeneric Parameter Data (NPD) Tables — No. 1 AMARC	① 201-900-076	1	Preparation of Nongeneric Parameter Data (NPD) Forms — Common Parameters — Generic 2 — Supplemental Information — Central Offices
① 201-900-053	2	Call Data Accumulator (CDA) Translations — No. 1 AMARC	① 201-900-077	1	Preparation of Nongeneric Parameter Data (NPD) Entity Parameters — No. 1A AMARC — Generic 2
① 201-900-054	2	Billing Data Transmitter (BDT) Translations — No. 1 AMARC	① 201-900-078	1	Preparation of Nongeneric Parameter Data (NPD) Forms — Channel Parameters — No. 1A AMARC
① 201-900-055	2	Preparation of Nongeneric Parameter Data (NPD) Forms — No. 1 AMARC — General	① 201-900-079	1	Preparation of Nongeneric Parameter Data (NPD) Forms — Special Number Parameters — No. 1 AMARC
① 201-900-056	2	Preparation of Nongeneric Parameter Data (NPD) Forms — Common Parameters — No. 1 AMARC	① 201-900-080	1	Reproducible Nongeneric Parameter Data (NPD) Forms — No. 1A AMARC, Generic 2
① 201-900-057	2	Preparation of Nongeneric Parameter Data (NPD) Entity Parameters — No. 1 AMARC	① 201-900-081	1	Nongeneric Parameter Data — No. 1A AMARC Dump Messages
① 201-900-058	2	Preparation of Nongeneric Parameter Data (NPD) Forms — Channel Parameters — No. 1 AMARC	① 201-900-082	1	Nongeneric Parameter Data (NPD) — Other No. 1A AMARC Administrative Records
① 201-900-059	2	Preparation of Nongeneric Parameter Data (NPD) Forms — Special Number Parameters — No. 1 AMARC			
① 201-900-060	2	Reproducible Nongeneric Parameter Data (NPD) Forms — No. 1 AMARC			

Number	Issue	Subject	Number	Issue	Subject
① 201-900-083	1	Administrative Considerations for Growth and Rearrangements	201-900-321	2	Routine Procedures — No. 1A AMARC, Generics 2 and 3
① 201-900-084	1	No. 3 ESS Terminal Translations — No. 1A AMARC	201-900-322	2	Operating Procedures — No. 1A AMARC, Generics 2 and 3
201-900-101	2	No. 1 AMARC — Description	201-900-323	1	Emergency Procedures — No. 1A AMARC, Generics 1, 2, and 3
201-900-102	2	230A Repeater SD-5P001-01 — No. 1 and No. 1A AMARC	201-900-324	1	No. 1A AMARC — Fault Isolation Procedures, Generics 1, 2, and 3
201-900-103	2	Description — No. 1A AMARC, Generics 1, 2, and 3	201-900-325	1	Date and Time Change Procedures — No. 1A AMARC, Generics 1, 2, and 3
201-900-104	1	No. 1A AMARC, Generic 4 Description	201-900-326	1	Data Set Interface and Auxiliary Functions (DSIAF) Diagnostics — Loading Procedure and Interpretation — No. 1A AMARC, Generics 1 and 2
201-900-300	2	Software Growth Procedures — No. 1 AMARC	201-900-327	1	Nongeneric Parameter Data Procedures — No. 1A AMARC, Generics 1, 2, and 3
201-900-301	2	Routine Procedures — No. 1 AMARC	201-900-328	1	Operator Analysis of System Related Trouble Messages — No. 1 AMARC
201-900-302	2	Operating Procedures — No. 1 AMARC, Generic 3, 4, and 5	Addendum	2	
201-900-303	2	Emergency Procedures — No. 1 AMARC	201-900-330	1	RP06 Disk — Description and Operating Procedures — No. 1A AMARC
201-900-304	2	Fault Isolation Procedures — No. 1 AMARC	Addendum	1	
201-900-305	3	Date and Time Change Procedures — No. 1 AMARC	201-900-331	1	Diagnostic Loading Procedure — No. 1A AMARC, Generic 3
201-900-306	3	Data Set Interface and Auxiliary Functions (DSIAF) Diagnostics — Loading Procedure and Interpretation — No. 1 AMARC	201-900-340	1	Acceptance Tests — No. 1 AMARC, Generic 3
201-900-307	3	Nongeneric Parameter Data Procedures — No. 1 AMARC	① 201-900-610	2	Common Systems — Network Switching Engineering — No. 1A AMARC, Generic 2
201-900-308	1	Operator Analysis of System Related Trouble Messages — No. 1 AMARC	① 201-900-611	1	Common Systems — Network Switching Engineering — No. 1A AMARC, Generic 3
201-900-309	2	Operator Analysis of Step-by-Step Channel Troubles — No. 1 and No. 1A AMARC	① 201-900-612	1	Common Systems — Network Switching Engineering — No. 1A AMARC, Generic 4
201-900-310	2	Operator Analysis of BDT Channel Troubles — No. 1 and No. 1A AMARC	201-900-700	1	Prebilling Failure Performance Reporting — Message Billing Failure Processing
201-900-313	1	Operator Analysis of the No. 5 Crossbar Electronic Translator System (ETS) and Local Automatic Message Accounting — Computer (LAMA-C) — Channel Troubles — No. 1 and No. 1A AMARC			
201-900-314	1	Operator Analysis of No. 3 Electronic Switching System (ESS) Channel Troubles — No. 1 and No. 1A AMARC			
201-900-315	1	Call Data Transmitter (CDT) — Operator Analysis of Channel Troubles — No. 1A AMARC			

Number	Issue	Subject	Number	Issue	Subject
<b>201-901 BDT (Billing Data Transmitter)</b>			201-902-306	3	Generic Program Overwrites and Application of Broadcast Warning Change Notices — 4A, 4M Toll and Crossbar Tandem Offices
Addendum	1				
201-901-101	3	Description			
201-901-301	4	Trouble Sectionalizing			
201-901-302	3	Central Office AMA Equipment With Billing Data Transmitter (BDT) — Precautionary Measures — Common Systems	201-902-307	2	Disk Handling Procedures
Addendum	2		201-902-308	2	Remote Teletypewriter — Description, Operation, and Maintenance — 4A, 4M Toll and Crossbar Tandem Offices
201-901-501	2	Recorder and Recorder Connector Circuit SD-25872-01 — Operation Tests for Offices Equipped With Billing Data Transmitters	201-902-309	3	Monitoring Tests — 4A, 4M Toll, and Crossbar Tandem Offices
Addendum	1		Addendum	2	
201-901-502	4	Acceptance Tests	201-902-310	2	Program Loading Procedures — 4A, 4M Toll and Crossbar Tandem Offices
			201-902-501	4	Routine Tests and Operations — 4A, 4M Toll and Crossbar Tandem Offices
<b>201-902 CAMA-C (Centralized Automatic Message Accounting — Computerized)</b>			201-902-502	2	Recorder and Recorder Connection Circuit SD-25872-01 Tests — 4A, 4M Toll and Crossbar Tandem
201-902-010	2	Operation, Maintenance, and Management — No. 4 Crossbar and Crossbar Tandem Offices	201-902-503	2	Equipped With ANIS or MECCA Feature Tests — 4A, 4M Toll and Crossbar Tandem Offices
201-902-101	2	Description Information — 4A, 4M Toll, and Crossbar Tandem Offices			
● 201-902-200	1	Line and Trunk Administration — 4A, 4M, and Crossbar Tandem Offices	<b>201-903 HOBIS/CCRS (Hotel Billing Information System/Centralized Credit Refund System)</b>		
Addendum	1		Addendum	1	
201-902-301	2	Emergency Action Procedures — 4A, 4M Toll, and Crossbar Tandem Offices	201-903-101	2	Description for Generic 1
201-902-302	2	Multiplexor/Scanner Trouble Locating and Test	201-903-102	1	Description for Generic 2
Addendum	1		201-903-301	4	Emergency Action and Restoration Procedures for Generics 1 and 2
201-902-303	2	Recent Change Procedures — 4A, 4M Toll and Crossbar Tandem Offices	201-903-302	4	Routine Operating Procedures for Generics 1 and 2
201-902-304	2	Hourly and Daily Maintenance Reports — Procedures and Message Interpretation — 4A, 4M Toll and Crossbar Tandem Offices	201-903-303	2	Trouble Sectionalizing for Generics 1 and 2
201-902-305	2	Time Change Procedures	201-903-501	1	Maintenance Test Procedures
			201-903-503	2	Acceptance Tests for Generic 2
			<b>201-905 RICS (Recorded Information and Collection System)</b>		
			201-905-100	8/94	AMA (Automatic Message Accounting) Reference Manual

Number	Issue	Subject
Revision 2	4/95	
Revision 1	3/95	
201-905-101	1/95	TOS Reference Manual
■ 201-905-200	12/92	ASURE User Guide
■ 201-905-400	11/93	HIPER-DREAMER User Guide
■ 201-905-500	7/94	OTTER (Outbound Trouble Evaluation of Recording System) User Guide
■ 201-905-800	3/94	CIRTS (Centralized Inbound Recording Tracking System)

**201-906 COBRA® (Customer Order Entry and Billing  
Revenue Administration)**

■ 201-906-100	1	COBRA® On-Line Guide
■ 201-906-101	1	Tabs for COBRA® On-Line Guide

**Division 205**

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**Automatic Data Test Circuits**

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**205-0 Indexes and Equipment Test Lists****205-1 Automatic Data Test Circuits**

Number	Issue	Subject
<b>205-0 Indexes and Equipment Test Lists</b>		
205-000-000	12	Numerical Index — Division 205 — Automatic Data Test Circuits
205-001-011	1	ETL — Automatic Data Test Cir- cuits
<b>205-1 Automatic Data Test Circuits</b>		
205-101-501	3	Automatic Data Test Line Circuit SD-71028-01 — Operation Tests
Addendum	1	
205-102-301	1	Automatic Data Test Line — Trouble Locating Procedures
205-102-501	1	Automatic Data Test Line No. 5A (SD-71076-01) — Transmission and Operation Tests

**Division 210**

**Plant and Traffic Desks Service Observing**

**210-0 Indexes and Equipment Test Lists**

**210-1 Service Observing Desks**

**Number Issue Subject**

**210-0 Indexes and Equipment Test Lists**

210-000-000	59	Numerical Index — Division 210 — Service Observing, and Plant and Traffic Desks
210-001-011	3	ETL — No. 12 and Modified No. 7
210-001-013	2	ETL — Information and Toll Directory Desks

**210-1 Service Observing Desks**

210-102-301	3	No. 4 Portable Service Observing Set — No. 1 or 2 Dial Pulse Recorder Set — Connections and Operations
210-105-501	2	Service Observing Circuit for Observing Speed of Answer — Tests — No. 12 Service Observing Desk
210-106-501	3	Intertoll Service Observing Circuit and Associated Dial Pulse Converter Circuit for Use with No. 12 Service Observing Desk — Tests — No. 4A or 4M Toll Switching System

Number	Issue	Subject
210-110-501	3	Incoming Trunk and Distribution Circuit — Tests — No. 7 or 12 Service Observing Desk
210-111-501	2	Service Observing Circuit for Crossbar Tandem Incoming Intertoll Trunks — Tests Using Test Circuit SD-27050-01 — No. 7 or 12 Service Observing Desk
210-111-502	3	2- or 4-Wire Intertoll Service Observing Trunks and Associated Dial Pulse Converter — Tests Using Service Observing Test Circuit SD-95712-01 — No. 7 or 12 Service Observing Desk
210-115-501	1	Service Observing Circuit for Observing Calls to PBX Attendants and Stations — Crossbar Tandem Offices Arranged for Direct Inward Dialing to PBX — Tests — No. 7 or No. 12 Service Observing Desks
210-116-502	1	Service Observing Circuit for Step-by-Step CAMA Incoming Trunks — Tests Using Test Set SD-32271-01 (J38913A) — No. 7 or 12 Service Observing Desk
210-116-504	1	Service Observing Circuit for Incoming Trunks — No. 4A and 4M Toll Switching Systems — Tests — No. 7 or 12 Service Observing Desk
Addendum	1	
210-118-502	2	AMA, CAMA, and Local Dial Service Observing Circuits for DDD Trunks and Junctors, and Miscellaneous Local Dial Trunks in No. 5 Crossbar Office — Tests — No. 7 or 12 Service Observing Desk

**Division 211****No. 1, 3, 5, and 6 Toll Offices  
No. 1, 3, 5, and 6 Toll  
Switchboards  
No. 6A Teletypewriter Switchboards****211-0 Indexes, Equipment Test Lists, and Administrative  
Practices****211-1 Common to More Than One Toll Office or Toll  
Switchboard****211-2 No. 1 Toll Offices and Toll Switchboards****211-3 No. 3 Toll Offices and Toll Switchboards****211-4 No. 5 Toll Switchboards****211-5 No. 6 Toll Switchboards****211-8 6A Teletypewriter Switchboard**

Number	Issue	Subject
<b>211-0 Indexes, Equipment Test Lists, and Administrative Practices</b>		
211-000-000	29	Numerical Index — Division 211 — No. 1, 3, 5, and 6 Toll Offices — No. 1, 3, 5, and 6 Toll Switchboards and No. 6A Teletypewriter Switchboards
211-001-012	1	ETL — Common to More Than One Toll Office or Toll Switchboard
211-001-013	2	ETL — No. 1 Toll Office and Toll Switchboard
211-001-014	3	ETL — No. 3 Toll Office and Toll Switchboard
211-001-015	2	ETL — No. 5 Toll Switchboards
211-001-016	1	ETL — No. 6 Toll Switchboards
211-001-017	1	ETL — No. 6A Teletypewriter Switchboard
211-020-001	2	Equipment and Cross-Connection Records — Toll Terminal Equipment
211-021-001	1	Trouble Indicator Records — Intertoll Trunk Concentrating Equipment
211-022-001	2	Classifying and Recording Trouble Data — Manual Toll and TWX Offices

Number	Issue	Subject
<b>211-1 Common to More Than One Toll Office or Toll Switchboard</b>		
211-102-501	1	Supervisor Circuits — Tests — No. 1 and 3 Toll Tandem Switchboards
211-103-501	1	Operator Control and Telephone Circuits — Tests — No. 1 and 3 Toll Tandem Switchboards
211-104-501	1	Trouble Operator Cord, Telephone, and Grouping Circuits — Tests — No. 1 and 3 Toll Tandem Switchboards
211-105-501	1	Vacant Position Tone and Night Alarm Circuits — Automatic Listening Positions — Tests — No. 1 and 3 Toll Tandem Switchboards
211-106-501	1	Grouping and Splitting Circuits — Tests — No. 1 and 3 Toll Tandem Switchboards
211-107-501	1	Common Overflow and Reorder Circuits — Tests — No. 1 and 3 Toll Tandem Switchboards
211-110-501	2	Link Allotter — Call Distribution Equipment — Tests — Toll Offices
211-112-501	2	Group and Position Allotters — Call Distribution Equipment — Tests — Toll Offices
211-114-501	1	Group Busy Time Registers SD-63313-01 — Tests — No. 1 and 3 Toll Offices
211-116-501	1	Alarm Circuits for the 30, 60, and 120 I.P.M. Interrupter, Transfer, and Distributing Circuit SD-95078-01 — Tests — Toll Systems
211-117-501	1	Alarm Circuits for the 30, 60, and 120 I.P.M. Interrupter, Transfer, and Distributing Circuit SD-95099-01 — Tests — Toll Systems
211-118-501	1	Alarm Circuits for the 40, 60, and 120 I.P.M. Interrupter Circuit SD-63367-01 — Tests — Toll Systems
211-119-501	1	Alarm Circuits for the 60 I.P.M. Interrupter Relay Circuit SD-70136-01 — Tests — Toll Systems

Number	Issue	Subject	Number	Issue	Subject
211-120-501	4	Transmission Measurement Tests — No. 1 and No. 3-Type Switchboards	211-137-701	2	Hand Receiving Valves (25- and 26-Type Valves) — Ticket Retainers (KS-15536, Lists 1, 2, 3, and 4) — Sending Valves (27-Type Valves) — Pressure Equalizers (No. 29A and A-102556 Valves) — Removable Edge Sections (No. 1A and 2A or 6A Sections) — Pneumatic Ticket Distributing System Requirements and Adjusting Procedures — Toll Offices
211-130-101	2	Pneumatic Tube Type Ticket Distributing System — Description — Toll Offices			
211-130-301	5	Pneumatic Ticket Distributing System — Operating Methods — Toll Offices			
211-130-501	4	Pneumatic Ticket Distributing System — Tests — Toll Offices			
211-132-701	1	50A Detector for Pneumatic Tube System Blockade Alarm — Requirements and Adjusting Procedures — Toll Offices	211-137-801	3	Hand Receiving Valves (25- and 26-Type Valves) — Ticket Retainers (KS-15536, Lists 1, 2, 3, and 4) — Sending Valves (27-Type Valves) — Pressure Equalizers (No. 29A and A-102556 Valves) — Removable Edge Sections (No. 1A and 2A or 6A Sections) — Pneumatic Ticket Distributing System — Piece-Part Data and replacement Procedures — Toll Offices
211-132-801	1	No. 50A Detector — Pneumatic Ticket Distributing System — Piece-Part Data and Replacement Procedures — Toll Offices			
211-134-701	3	No. 28A Roller Receiving Valve — Pneumatic Ticket Distributing System — Requirements and Adjusting Procedures — Toll Offices	211-139-701	2	Hand Receiving Valve, D-79144 Ticket Retainer, KS-15536, List 5 Sending Valves, D-45228, D-80161, D-87492, and A-101150 — Removable Edge Section, D-6491 — Pneumatic Ticket Distributing System — Requirements and Adjusting Procedures — Toll Offices
211-134-801	3	No. 28A Roller Receiving Valve — Pneumatic Ticket Distributing System — Piece-Part Data and Replacement Procedures — Toll Offices			
211-134-802	2	Helical Gear — Pneumatic Ticket Distributing System — Modification of Roller Receiving Valve (28A Valve) — Toll Offices	211-139-801	3	Hand Receiving Valve, D-79144 — Ticket Retainer, KS-15536, List 5 Sending Valves, D-45228, D-80161, D-87492, and A-101159 — Pneumatic Ticket Distributing System — Piece-Part Data and Replacement Procedures — Toll Offices
211-135-701	2	Roller Receiving Valve per D-80134, Roller Receiving Valve per D-80134 Modified per D-98400, and Roller Receiving Valve per D-80134 Modified per ED-61355-01 for Pneumatic Ticket Distributing System — Requirements and Adjusting Procedures — Toll Offices	211-140-101	1	Ticket Distributing System — Track Type for Small Toll Switchboards — Description
211-135-801	1	Roller Receiving Valve per D-80134, Roller Receiving Valve per D-80134 Modified per D-98400, and Roller Receiving Valve per D-80134 Modified per ED-61355-01 — Pneumatic Ticket Distributing System — Piece-Part Data and Replacement Procedures — Toll Offices	211-146-001	1	Classifying and Recording Trouble Data — Intertoll Trunk Concentrating Equipment — Toll Offices
			211-146-101	1	Intertoll Trunk Concentrating Equipment — Description — Toll Systems



Number	Issue	Subject	Number	Issue	Subject
211-146-301	1	Intertoll Trunk Concentrating Equipment — Trouble Indicator Alarm Routine — Operating Methods — Toll Offices	211-165-501	2	DC Key Pulsing Senders — Operation Tests using Automatic Test Circuit SD- 90424-01 — No. 1 and 3 Toll Switchboards
211-146-501	2	Intertoll Trunk Concentrating Equipment — Incoming Trunks — Tests	<b>211-2 No. 1 Toll Offices and Toll Switchboards</b>		
211-148-501	1	Toll Tandem Trunk Circuits — Tests — No. 1 and 3 Toll Tandem Switchboards	211-201-101	1	Semi-Automatic Testing and Adjusting Circuits — Low Shunt Type per SD-62218- 01 and SD-62216-01 — Condenser Type Cord Circuit — Description — No. 1 Toll Offices
211-150-501	4	Announcement Trunks — Toll Offices	211-202-101	3	Semi-Automatic Testing and Adjusting Circuits — Low Shunt Type per SD-62140- 01 or SD-62140-02 and SD-62136-01 — High Impedance Cord Circuits — Description — No. 1 Toll Switchboards
211-152-501	2	Emergency Access Trunks to Intertoll Trunks Associated with No. 4-Type Toll or Crossbar — Tandem Switching Systems From Toll Switchboards No. 1, 3, 3C, and 3CL and No. 4-Type Toll Switching System from Toll Switchboard No. 5	211-203-101	3	Manual Testing and Adjusting Circuits — Low Shunt Type Per SD-62148-01 or SD-62148-02 and SD-62145-01 — High Impedance Cord Circuits — Description — No. 1 Toll Switchboards
211-154-501	2	Outgoing and 2-Way Intertoll Trunks in the Same Building with No. 5 Crossbar Office — Tests — No. 1, 3C, or 3CL Switchboard	211-210-701	1	Cord Circuit DC Supervisory Relays — Requirements and Adjusting Procedures Using 35-Type Test Set — No. 1 Toll Offices
211-155-501	1	Two-Way Trunk Circuits SD-25655-01 and SD-25667-01 to MJ Mobile Radio Telephone System — Tests — No. 1, 3, 3C, or 3CL Toll Switchboards	211-211-701	1	Cord Circuit AC Supervisory Relays — Requirements and Adjusting Procedures Using AC Relay and Signaling Test Set J68602AJ — No. 1 Toll Offices
211-156-501	1	Intertoll Trunks — Miscellaneous Tests — No. 1 and 3 Toll Offices	211-212-501	1	Condenser Type Cord Circuits — Manual Tests — No. 1 Toll Offices
211-160-501	2	DC Key Pulsing Senders Arranged for Revertive Pulses — Tests using Automatic Test Circuit SD-62059-011 — No. 1 and 3 Toll Switchboards	211-212-502	1	Condenser Type Cord Circuits — Semi- Automatic Test Using Test Circuit SD- 62218-01 — No. 1 Toll Offices
211-162-501	1	MF Key Pulsing Senders Arranged to Transmit Revertive Pulses — Tests Using Automatic Test Circuit SD-56097-01 — No. 1, 3, 3C, and 3CL Toll Switchboards	211-212-701	1	Supervisory Relays — Condenser Type Cord Circuits — Requirements and Adjusting Procedures Using Manual Adjusting Circuit — No. 1 Toll Offices
211-163-501	3	MF Key Pulsing Senders Arranged to Transmit Dial Pulses — Operation Tests using Manual Test Circuit SD-95400-01 — No. 1- and 3-Type Toll Switchboards			
211-165-500	3	DC Key Pulsing Senders Arranged to Transmit Dial Pulses — Operation Tests Using Manual Test Circuit SD-90635-01 — No. 1 and 3 Toll Switchboards			

Number	Issue	Subject	Number	Issue	Subject
211-212-702	1	Supervisory Relays — Condenser Type Cord Circuits — Requirements and Adjusting Procedures Using Semi- Automatic Adjusting Circuit — No. 1 Toll Offices	211-222-501	4	MF Keypad Circuit — Output Level 0 DBM Per Frequency — Tests — No. 1 Toll Switchboard
211-214-501	4	High Impedance Cord Circuits — Manual Tests using Test Circuit SD-62148-01 or SD-62148-02 — No. 1 Toll Switchboards	211-222-502	1	MF Keypad Circuit — Output Level — 3 DBM Per Frequency — Tests — No. 1 Toll Switchboard
211-214-502	3	High Impedance Cord Circuits — Semi- Automatic Test Using Test Circuit SD- 62140-01 or SD-62140-02 — No. 1 Toll Switchboards	211-222-503	1	MF Keypad Circuit — Output Level — 8 DBM Per Frequency — Tests — No. 1 Toll Switchboard
211-214-701	2	Supervisory Relays — High Impedance Cord Circuits — Requirements and Adjusting Procedures Using Manual Adjusting Circuit Per SD-62145-01 — No. 1 Toll Switchboards	211-226-501	3	MF Keypad Circuit — Output Level 0 DBM Per Frequency — Tests — No. 1B Toll Switchboard
211-214-702	2	Supervisory Relays — High Impedance Cord Circuits Using Semi-Automatic Adjusting Circuit Per SD-62136-01 — Requirements and Adjusting Procedures — No. 1 Toll Switchboard	211-226-502	1	MF Keypad Circuit — Output Level — 3 DBM Per Frequency — Tests — No. 1B Toll Switchboard
211-214-703	1	DC Supervisory Relays — High Impedance Cord Circuits Using Semi-Automatic Adjusting Circuits Per SD-64467-01 Requirements and Adjusting Procedures — No. 1 Toll Switchboard	211-228-501	3	MF Keypad Circuit — Output Level 0 DBM Per Frequency — Tests — No. 1 Toll Tandem Switchboard
211-216-501	2	High Impedance and Condenser Type Cord Circuits — Manual Tests using Test Sets J68602AJ, 35 Type and Circuit SD-61423-01 — No. 1 Toll Offices	211-228-502	1	MF Keypad Circuit — Output Level — 3 DBM Per Frequency — Tests — No. 1 Toll Tandem Switchboard
211-216-502	3	High Impedance and Condenser Type Cord Circuits — Semi-Automatic Tests Using Test Circuit SD-62140-02 or SD-64468-01 — No. 1 Toll Switchboard	211-230-501	1	Miscellaneous Position Tests — No. 1 Toll Switchboards
211-218-501	1	Permanent Signal Cord Circuits — Manual Tests — No. 1 Toll Switchboard	211-231-501	1	Position Dial Circuits Used With Type A Cords — Tests — No. 1 Toll Offices
211-220-501	1	DC Keypad Circuits — Tests Using Test Circuit SD-56344-01 — No. 1 Toll Switchboard	211-232-501	2	Intertoll Dialing — Cord and Position Dial Circuits — Tests — No. 1 Toll Offices
211-221-501	1	MF Key Pulsing Key Monitoring Circuit — Tests — No. 1 Toll Switchboards	211-233-501	1	Position Coin Control Circuits — Tests — No. 1 Toll Switchboards
			211-234-501	1	Plug, Position, and Trunk Circuits — Operation Tests Using Test Set J64724 — No. 1B Toll Switchboards
			211-234-502	1	Plug and Position Circuits — AC Continuity and Balance Tests — Using Position Test Circuit — No. 1B Toll Switchboards
			211-235-501	1	No. 49 and 92 Switchboard Multiple Jacks — Tests Using Position Test Circuit — No. 1 and 1B Toll Switchboards
			211-236-501	1	Supervisor Circuits — Tests — No. 1 Toll Offices
			211-237-501	1	Operator Telephone Circuits — Tests — No. 1 Toll Offices

Number	Issue	Subject	Number	Issue	Subject
211-238-501	1	Peg Count Circuits — Tests — No. 1 Toll Offices	<b>211-3 No. 3 Toll Offices and Toll Switchboards</b>		
211-239-501	1	No. 1A or 1B Toll Cabinet — Tests — No. 1 Toll Switchboards	211-300-101	1	No. 3CL Switchboards — Switching Trunk Tandem Position — Description — Toll Systems
211-250-501	1	Discriminating Circuits — Tests — Using Test Circuit SD-64759-01 — No. 1B Toll Switchboards	211-303-501	3	Cord Circuits — Tests Using Test Circuit SD-55056-01 — No. 3C and 3CL Toll Switchboards
211-255-701	1	Toll Line AC Relays — Adjusting Circuit Per SD-62259-01 — Requirements and Adjusting Procedures — No. 1 Toll Offices	211-303-502	1	Cord Circuits — Tests Using Position Test Circuit — No. 3CF Toll Switchboards
211-260-501	2	Intertoll Dialing — Intertoll Trunk Circuit Operation Tests From Switchboard Position in No. 1 Toll Offices	211-303-503	4	Cord Circuits — Tests Using Test Circuit SD-61097-01 or SD-61097-02 — No. 3 Toll Offices
211-261-501	3	Ringdown Intertoll Trunks — Tests — No. 1 Toll Offices	211-303-504	3	Cord Circuits — Tests Using Test Circuit SD-63971-01 — No. 3 Toll Office
211-262-501	3	Toll Switching Trunks to Manual Offices — Tests — No. 1 Toll Switchboards	211-307-501	3	MF Keypad Circuits — Output Level 0 DBM Per Frequency — Tests — No. 3, 3C, or 3CL Toll Switchboards
211-263-501	1	Trunks to Community Dial Offices — Operation Tests — No. 1 Toll Switchboards	211-307-502	2	MF Keypad Circuits — Output Level — 3 DBM per Frequency — Tests — No. 3, 3C, and 3CL Toll Switchboards
211-264-501	3	Toll Switching Trunks to Step-by-Step Offices — Operation and Coin Control Tests Using Connector Multiple Test Line SD-31636-01 — No. 1 Toll Switchboards	211-307-503	2	MF Keypad Circuits — Output Level -8 dbm Per Frequency — Tests — No. 3, 3C, and 3CL Toll Switchboards
211-264-502	2	Toll Switching Trunks to Step-by-Step Offices — Operation and Coin Control Tests — Loop Back Method — No. 1 Toll Switchboards	211-307-504	1	MF Keypad Circuits Output Level — 6 DBM Per Frequency Tests No. 3, 3C, and 3CL DSA Switchboards
211-264-503	4	Toll Switching Trunks to Step-by-Step Offices — Operation and Coin Control Tests With Assistant at Local Office — No. 1 Toll Switchboards	211-312-501	1	Plug and Position Circuits — AC Continuity and Balance Tests Using Position Test Circuit — No. 3B Toll Switchboards
211-264-504	3	Toll Switching Trunks to Step-by-Step Offices — Miscellaneous Tests — No. 1 Toll Switchboards	211-313-501	1	Plug, Position, and Trunk Circuits — Operation Tests Using Test Set J64724 — No. 3B Toll Switchboards
211-265-501	3	Toll Switching Trunks to Panel and Crossbar Offices — Tests — No. 1 Toll Switchboards	211-314-501	1	Position and Dial Circuits — Tests Using Position Test Circuit — No. 3CF Toll Switchboards
211-268-501	1	Toll Switching Trunks — Tests Using Combined DC-MF Trunk Test Set SD-56147-01 — No. 1 Toll Switchboards	211-315-501	2	Position, Dial, and DC Keypad Circuits — Tests Using Test Circuit SD-55056-01 — No. 3C and 3CL Toll Switchboards
211-269-501	2	Toll Switching Trunks — Tests Using MF Trunk Test Set SD-55922-01 — No. 1 Toll Switchboards	211-315-502	3	Position, Dial, and DC Keypad Circuits — Tests Using Test Circuit SD-61097-01 or SD-61097-02 — No. 3 Toll Switchboards

Number	Issue	Subject	Number	Issue	Subject
211-315-503	3	Position, Dial, and DC Keypad Circuits — Tests Using Test Circuit SD-63971-01 — No. 3 Toll Switchboards	211-344-501	1	Link Circuit SD-90705-01 — Operation Tests — No. 3, 3C, or 3CL Toll Switchboards
211-316-501	1	Position Circuits — Miscellaneous Tests — No. 3B Toll Switchboards	211-346-501	2	Outgoing Trunk and Link Circuits — Key Pulsing — Tests — No. 3 Toll Offices
211-317-501	1	Multiple Jacks — Tests Using Position Test Circuit — No. 3CF Toll Switchboards	211-360-501	2	Intertoll Dialing Trunks — Operation Tests from Switchboard Position in No. 3 Toll Offices
211-318-501	1	No. 49 and 92 Switchboard Multiple Jacks — Tests Using Position Test Circuit — No. 3B and 3C Toll Switchboards	211-361-501	3	Ringdown Intertoll Trunks — Tests — No. 3 Toll Offices
211-319-101	1	AC Busy and Idle Indicating Lamp Signals — Description — Toll Switchboards	Addendum	1	
211-325-501	1	Supervisors Circuits — Tests — No. 3 Toll Offices	211-362-501	1	Toll Switching Trunks to Manual Offices — Tests — No. 3 Toll Switchboards
211-326-501	3	Operator Telephone Circuits — Tests — No. 3 Toll Offices	211-363-501	1	Trunks to Community Dial Offices — Operation Tests — No. 3, 3C, 3CF, and 3CL Toll Switchboards
211-327-501	1	Operator Telephone Circuits — Tests — No. 3C Toll Switchboards	211-364-501	4	Toll Switching Trunks to Step-by-Step Offices — Operation and Coin Control Tests Using Connector Multiple Test Line SD-31636-01 — No. 3, 3C, 3CF, and 3CL Toll Switchboards
211-328-501	1	Operator Telephone Circuits — Tests — No. 3CF Toll Switchboards	211-364-502	2	Toll Switching Trunks to Step-by-Step Offices — Operation and Coin Control Tests — Loop Back Method — No. 3, 3C, and 3CF Toll Switchboards
211-330-501	1	Peg Count Circuits — Tests — No. 3 Toll Offices	211-364-503	4	Toll Switching Trunks to Step-by-Step Offices — Operation and Coin Control Tests With or Without Assistant at Local Office — No. 3, 3C, and 3CF Toll Switchboards
211-332-501	1	Key-Monitoring Circuits — Tests — No. 3 Toll Offices	Addendum	1	
211-334-101	1	Pad Control Relay Testing Circuit — Description — No. 3 Toll Offices and No. 11 Offices	211-364-504	2	Toll Switching Trunks to Step-by-Step Offices — Tests — No. 3, 3C, and 3CF Toll Switchboards
211-334-701	1	Pad Control Relays — Requirements and Adjusting Procedures Using Testing Circuit Per SD-63958-01 — No. 3 Toll Offices and No. 11 Offices	Addendum	1	
211-336-501	1	No. 1 Toll Cabinet — Tests — No. 3, 3C, or 3CF Toll Switchboards	211-365-501	3	Toll Switching Trunks to Panel and Crossbar Offices — Tests — No. 3, 3C, 3CF, and 3CL Switchboards
211-338-501	1	Incoming Trunk, Position, Telephone, Discriminating, and Dial Circuits — Tests — Emergency Toll Tandem Switchboards	211-368-501	2	MF Toll Trunks — Overall Operation Tests — No. 3, 3C, and 3CL Toll Switchboards
211-340-501	2	Energized Training Circuits — Tests — No. 3CL Switchboards	211-369-501	1	Intertoll Dialing — DC Key Pulsing Intertoll Trunks and Link Circuits — Operation Tests — No. 3 Toll Offices
211-342-501	1	Discriminating Circuits — Tests Using Test Circuit SD-64759-01 — No. 3B Toll Switchboards			

Number	Issue	Subject	Number	Issue	Subject
211-371-501	1	Delayed Call Operator Service Trunk SD- 1B103-01 — Tests — Toll Switchboard Arranged for Wideband	211-501-502	1	High Impedance and Condenser Type Cord Circuits — Tests Using Test Circuit SD- 55124-01 and Semi-Automatic Test Circuit SD-62140-01, SD-62140-02, or SD- 64468-01
<b>211-4 No. 5 Toll Switchboards</b>			211-501-503	1	High Impedance and Condenser Type Cord Circuits — Tests using Test Circuit SD- 55124-01 and Voltage Test Set SD-63674-
211-401-501	2	Position Test Circuit — Tests — No. 5, 5C, or 5D Switchboard	211-501-503	1	
211-402-501	3	Operator Telephone Circuit — Tests Using Position Test Circuit SD-68156-01 — No. 5, 5C, or 5D Switchboard	211-501-503	1	
211-403-501	6	Position and Keypad Circuits — Tests Using Position Test Circuit SD-68156-01 — No. 5, 5C, or 5D Switchboard	211-505-501	1	Cord Circuits — Tests using Test Circuit SD-55124-01
211-405-501	4	Cord Circuits — Tests Using Position Test Circuit SD-68156-01 — No. 5, 5C, or 5D Switchboard	211-505-502	1	Cord Circuits — Tests using Test Circuit SD-61097-01 or SD-61097-02
211-407-501	2	Multiplex Jack — Tests Using Test Circuit SD-68156-01 — No. 5, 5C, or 5D Switchboard	211-505-503	1	Cord Circuits — Tests Using Test Circuits SD-63971-01 or SD-55056-01
211-420-501	2	Interposition Trunk Circuit — Tests — No. 5 Toll Switchboard — No. 4A and 4M Toll Switching Systems	211-507-501	1	Position and Dial Circuits — Tests Using Test Circuit SD-55124-01
211-430-501	2	Outgoing Trunk Circuits — (Not Appearing on Incoming Link Frames and Not Equipped With Test Jacks) — Tests — No. 5, 5C, or 5D Switchboards	211-507-502	1	Position, Dial and Keypad Circuits — Tests Using Test Circuit SD-61097-01 or SD- 61097-02
211-430-502	1	Transmission Tests No. 5 Type Toll Switchboards	211-507-503	1	Position, Dial and keypad Circuits — Tests Using Test Circuit SD-63971-01 or SD- 55056-01
211-435-501	2	Incoming Trunk Circuits — Not Appearing on Incoming Link Frames and Not Equipped With Tests Jacks — Tests — No. 5 Toll Switchboard — No. 4A and 4M Toll Switching Systems	211-509-501	1	Operator Telephone Circuits — Tests Using Test Circuit SD-55124-01
<b>211-5 No. 6 Toll Switchboards</b>			211-509-502	1	Operator Telephone Circuits — Tests Using Test Circuit SD-61097-01, SD-61097-02, SD-63971-01, or SD-55056-01
211-501-501	1	High Impedance Cord Circuits — Tests Using Test Circuit SD-55124-01 and Manual Test Circuit SD-62148-01 or SD-62148-02	<b>211-8 6A Teletypewriter Switchboard</b>		
			211-803-501	4	Conference Circuit — Operation Test
			211-805-501	2	Incoming Trunks — Test
			211-806-501	1	Outgoing Trunks — Operation Test
			211-807-501	1	Position Monitoring Circuit — Tests

**Division 212**

**No. 4A and 4M Toll Switching Systems**

- 212-0 Indexes, Administrative, and General Information
- 212-1 Decoders, Markers, Translators, and Associated Equipment
- 212-2 Senders, Registers, and Associated Equipment
- 212-3 Connectors, Links, Controllers, Alarms, and Plant and Traffic Registers
- 212-4 Dynamic Load Control Equipment
- 212-5 Trunks and Trunk Testing Equipment
- 212-7 CAMA
- 212-8 Electronic Translator

Number Issue Subject

**212-0 Indexes, Administrative, and General Information**

212-000-000 82 Numerical Index — Division 212 — No. 4A and 4M Toll Switching Systems

**212-001 Controlled Maintenance Plan and Equipment Test Lists (ETL)**

212-001-011 4 ETL — Decoders and Card Translators  
 212-001-012 13 ETL — Connectors and Links  
 212-001-013 17 ETL — Link Controllers and Markers  
 212-001-014 16 ETL — Senders and Registers — 4A  
 212-001-015 12 ETL — Senders and Registers — 4M  
 212-001-016 16 ETL — Traffic Administration Circuits  
 212-001-017 16 ETL — Intertoll Trunks  
 212-001-018 16 ETL — Toll Connecting Trunks  
 212-001-019 14 ETL — Transmission Trunks  
 212-001-020 10 ETL — Operator Trunks  
 212-001-021 7 ETL — Other Miscellaneous Trunks

Number Issue Subject  
 212-001-022 5 ETL — Announcement Trunks  
 212-001-023 7 ETL — CAMA Equipment  
 212-001-024 7 ETL — ETS and SPC  
 212-001-025 7 ETL — Test and Miscellaneous Frames  
 212-001-026 4 ETL — Miscellaneous Fuse Alarms

**212-1 Decoders, Markers, Translators, and Associated Equipment**

**212-100 General System Information**

212-100-000 1 General Description  
 212-100-001 1 General Description — Centralized Automatic Message Accounting (CAMA)  
 212-100-003 2 Improved 800 INWATS Service in 4A Toll Switching System Having Common Channel Interoffice Signaling — Description and Method of Operation  
 212-100-004 1 Message Routing Through Stored Program Control — Signal Transfer Point Offices  
 212-100-005 1 Introduction  
 212-100-006 1 Common Channel Interoffice Signaling Pass Along Feature — Description and Operation  
 212-100-015 1 Electromechanical — Card Translator System — Description  
 212-100-020 1 Electronic Translator System — General Description  
 212-100-025 1 Electronic Translator System — Peripheral Bus Computer — Description  
 212-100-030 1 Electronic Translator System — Common Channel Interoffice Signaling  
 212-101-010 2 Taking Equipment Out of Service — Major Units of Equipment  
 212-101-020 4 Trouble Recorder Frame — Description — No. 4A and 4M Toll Switching Systems  
 212-101-501 7 Decoder-Marker Test and Trouble Recorder Circuit — Transverter Group Trouble Recorder Connector Circuit — Tests

Number	Issue	Subject	Number	Issue	Subject
212-103-501	9	Marker — Tests Using the Decoder-Marker Test and Trouble Recorder Circuit — Not Having Common Channel Interoffice Signaling	Addendum	1	
			212-120-502	5	Card Translator — Tests — Using Trouble Recorder Frame
212-103-502	12	Marker — Miscellaneous Test	<b>212-2 Senders, Registers, and Associated Equipment</b>		
212-103-503	3	Marker — Test Using the Decode-Marker Test and Trouble Recorder Circuit — Common Channel Interoffice Signaling	212-201-301	4	Method of Tracing Stuck Sender Connections
212-106-501	5	Frame Identification Frequency Supply Test Set SD-68190-01 — Tests	212-202-301	2	Supplementary Procedure for Detecting Trouble Beyond the Toll Switching Trunk
212-107-501	5	Frame Identification Frequency Supply Circuit, SD-68119-01 — Tests	212-203-501	6	Sender Attachment Delay Recorder — Test
Addendum	1		212-204-501	5	Sender Traffic Control Circuit SD-68455-01 — Tests
212-107-502	2	Frame Identification Frequency Supply Circuit SD-68119-01 — Miscellaneous Tests	212-205-101	4	Sender Make-Busy Frame — Description — No. 4A Toll Switching Offices
212-108-501	3	Frame Identification Detectors of Markers SD-68388-01 — Tests	212-210-101	2	Incoming Sender Test Frame — Description — No. 4A Toll Switching Offices
Addendum	1		212-210-501	5	Incoming Sender Test Frame — SD-68226-01 — Tests
212-109-501	6	Frame Identification Frequency Supply and Control Circuit SD-68963-01 — Miscellaneous Tests	Addendum	2	
212-110-501	1	480-Hz Test Tone	212-212-501	6	Incoming Senders and Multifrequency Receivers — Tests Using Automatic Sender Test Frame SD-68226-01 — No. 4A Toll Switching System
212-112-501	1	Common Channel Interoffice Signaling Transceiver — Trouble-Locating Procedures	212-212-502	6	Incoming Senders and Multifrequency Receivers — Tests Using Automatic Sender Test Frame SD-68226-01 — No. 4M Toll Switching System
Addendum	1		212-214-101	2	Incoming Sender and Register Test Frame — Description
212-115-501	5	Decoder — Tests Using the Decoder Marker Test and Trouble Recorder Circuit	212-214-301	3	Automated Incoming Sender Register Test Frame SD-68491-01 — Method of Operation and Trouble Analysis Procedures in a 4A Toll Switching System
Addendum	1		212-214-501	6	Incoming Sender and Register Test Frame SD-68491-01 — Tests
212-115-502	6	Decoders — Miscellaneous Tests	212-214-502	2	Automated Incoming Sender and Register Test Frame — SD-68491-01 Self-Check Tests in the 4A Toll Switching System
212-120-101	1	1-Type Translator (Card Translator) — Description — No. 4 Type Switching System			
Addendum	2				
212-120-301	5	Translator Card Template — Preparation			
Addendum	2				
212-120-501	4	Card Translator — Tests Using Card Translator Test Set SD-68458-01 (J67453A)			

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		<b>212-3 Connectors, Links, Controllers, Alarms, and Plant and Traffic Registers</b>		
212-216-501	8	Incoming and CAMA Senders Tests Using the Nonautomated Incoming Sender and Register Test Frame SD-68491-01	212-301-300	1	Automatic Trouble Analysis — Trouble Reference Guide — Schematic Drawing Issue Index for 4A Toll Switching System With Common Channel Interoffice Signaling
212-216-502	1	Incoming Senders, Sender Output-pulsers, Output-pulsers, Tests Using the Automated Incoming Sender and Register Test Frame SD-68491-01	212-301-301	2	Automatic Trouble Analysis — Trouble Reference Guide — Application and Use Index for 4A Toll Switching System With Common Channel Interoffice Signaling
212-217-501	6	Incoming Dial Pulse Register — Tests — Using Nonautomated and/or Automated Incoming Sender and Register Test Frame SD-68491-01	212-301-302	1	Automatic Trouble Analysis — Trouble Reference Guide — Decoder Channel Troubles for 4A Toll Switching Systems With Common Channel Interoffice Signaling
212-218-101	2	Outgoing Sender Test Frame — Description — No. 4A Toll Switching Offices	212-301-303	1	Automatic Trouble Analysis — Trouble Reference Guide — Stored Program Control Troubles for 4A Toll Switching System With Common Channel Interoffice Signaling
212-218-501	3	Outgoing Revertive and PCI Sender Test Frame SD-68372-01 — Tests — No. 4A Toll Switching System	212-301-304	1	Automatic Trouble Analysis — Trouble Reference Guide — Decoder Channel Linked to Marker Troubles for 4A Toll Switching System With Common Channel Interoffice Signaling
212-220-501	3	Outgoing Senders — Tests Using Automatic Outgoing Sender Test Frame — No. 4A Toll Switching System	212-301-305	1	Automatic Trouble Analysis — Trouble Reference Guide — Marker Troubles for 4A Toll Switching System With Common Channel Interoffice Signaling
212-222-501	2	Outgoing Sender Test Frame SD-68075-01 — Tests — No. 4M Toll Switching System	212-301-306	1	Automatic Trouble Analysis — Trouble Reference Guide — Sender Link Controller Troubles — 4A Toll Switching Systems With Common Channel Interoffice Signaling
212-224-501	4	Outgoing Senders — Tests Using Sender Test Circuit SD-68075-01 — No. 4M Toll Switching Systems	212-301-307	1	Automatic Trouble Analysis — Trouble Reference Guide — Output-pulser Link Controller Troubles for 4A Toll Switching Systems With Common Channel Interoffice Signaling
Addendum	1				
212-226-501	2	Overseas Sender SD-68551-01 — Tests Using Automatic Sender Test Frame SD- 68226-01			
Addendum	1				
212-226-502	3	Overseas Sender — Tests — Using Automatic Incoming Sender and Register — Test Frame SD-68491-01			
212-228-101	1	Common Channel Interoffice Signaling — Sender Sender/Output-pulser, or Output-pulser, SD-68575-01 — Description — No. 4A Toll Switching System			



Number	Issue	Subject	Number	Issue	Subject
212-301-308	1	Automatic Trouble Analysis — Trouble Reference Guide — Register Link Alarm Troubles for 4A Toll Switching Systems With Common Channel Interoffice Signaling	Addendum	1	
212-301-309	1	Automatic Trouble Analysis — Trouble Reference Guide — Transverter and Transverter Linked to Recorder Troubles for 4A Toll Switching Systems With Common Channel Interoffice Signaling	212-321-501	3	Auxiliary Recording Control Circuit — Tests
212-301-310	1	Automatic Trouble Analysis — Trouble Reference Guide — Recorder Troubles for 4A Toll Switching Systems	212-330-101	2	Software Carrier Group Alarm — Description and Operation — No. 4A Toll Switching System
212-301-501	9	Decoder Connectors — Tests	212-330-301	4	Fuse Alarm Procedure
Addendum	1		212-330-501	10	Fuse Alarms — Tests
212-303-501	8	Marker Connectors — Tests	212-335-501	4	Interrupter Frames — Motor Stop and Low-Voltage Alarms — Tests
212-305-501	3	Transiator Connectors — Tests	212-340-501	7	Traffic Registers — Tests
212-307-501	7	Manual Test of Trunk Block Connector	212-342-501	8	Plant Registers — Tests
212-309-501	9	Controller Connectors — Tests	<b>212-4 Dynamic Load Control Equipment</b>		
212-311-501	9	Link Controller — Tests	212-401-101	1	Noncoincident Busy Hour Routing — Description and Operation
212-311-502	1	Outpulser Link Controller — Miscellaneous Tests Using Outpulser Link Controller — Test Circuit SD-68728-01	212-401-501	6	Traffic Control Circuit — Tests
212-311-503	2	Outpulser Link Controller — Test Frame SD-68728-01 — Tests	212-403-501	5	Queue Indicator — Tests
212-313-501	6	Sender Link and Connector Circuits — Tests	212-409-501	3	Network Control Circuit SD-68604-01 — Tests
212-313-502	1	Outpulser Link Circuit SD-68700-01 — Tests — No. 4A Toll Switching System	<b>212-5 Trunks and Trunk Testing Equipment</b>		
Addendum	1		212-500-010	1	Equipment and Trunk Record Cards
212-315-501	11	Incoming Link and Connector — SD-68393-01 and SD-68020-01 Tests	212-501-101	2	Test and Make-Busy Jack Bay — SD-68203-01 — Description
212-315-502	2	Incoming Link and Connector SD-68643-01 — Tests	212-501-102	2	Busy Line Verification — Description and Operation
212-317-501	10	Outgoing Link and Connector SD-68022-01 and SD-68394-01 — Tests	212-501-301	1	Voltmeter and Outgoing Trunk to CAMA Positions Test and Miscellaneous Circuit SD-68697-01 for Test and Make-Busy Jack Bay — Method of Operation
212-317-502	3	Outgoing Link and Connector SD-68644-01 — Tests	212-501-502	1	Busy Line Verification Network — Trunk Tests — Using Intertoll or Integrated Manual Test Frame SD-99604-01 or Manual Test Frame SD-68587-01 — No. 4A Toll Switching System
212-319-501	4	Incoming Register Link — Miscellaneous Tests	212-502-501	3	Plug-In Toll Switching Trunk Circuits Tests — Using Trunk Test Set SD-68597-01
212-321-301	2	Auxiliary Recording Control — Method of Operation	212-503-101	3	Automatic Transmission Test and Control Circuit (ATTCC) — Description

Number	Issue	Subject	Number	Issue	Subject
212-503-501	6	Automatic Transmission Test and Control Circuit SD-68446-01 and Associated Amplifiers and Amplifier-Rectifier — Tests and Adjustments	212-514-101	3	Automatically Directed Outgoing Intertoll Trunk Test Frame SD-68588-01 — Description
212-505-101	3	Automatic Outgoing Intertoll Trunk — Test Circuit (AOIT) and Associated Teletypewriter — Description	212-514-105	2	Common Control Interoffice Signaling — Intraoffice Trunk Test Frame SD-68744- 01 — Description
212-505-301	2	Automatic Outgoing Intertoll — Trunk Test Frame — Cross Connections	212-514-301	3	Automatically Directed Outgoing Intertoll Trunk Test Frame SD-68588-01 — Compiling Data for Control Card Preparation
212-505-501	4	Automatic Outgoing Intertoll Trunk Test Frame — Tests	212-514-302	3	Automatically Directed Outgoing Intertoll Trunk Test Frame SD-68588-01 — Control Card Preparation
212-507-501	7	Automatic Outgoing Toll — Connecting Trunk Test Circuits — SD-68373-01 and SD-68076-01	212-514-303	2	Automatically Directed Outgoing Intertoll Trunk Test Frame SD-68588-01 — Arrangement of Input Control Card Deck
212-509-301	2	Automatic Outgoing Toll Connecting Trunk Test Frame SD-68076-01 — Cross Connections — No. 4M Toll Switching System	Addendum	1	
212-511-101	3	Automatic Outgoing Toll Connecting Trunk Test and Connector Frames — Description — No. 4A Toll Switching Offices	212-514-501	3	Automatically Directed Outgoing Intertoll Trunk Test Frame SD-68588-01 — Tests
212-511-301	2	Automatic Outgoing Toll Connecting Trunk Test Frame SD-68373-01 — Cross Connections	212-514-502	2	Automatically Directed Outgoing Intertoll Trunk Test Frame SD-68588-01 — Tests of IBM 870 Document Writing System
212-512-101	4	Automatic Outgoing Trunk Test Frame SD- 68580-01 — Description	212-514-504	2	Common Channel Interoffice Signaling — Intraoffice Test Frame SD-68744-01 Tests in a 4A Toll Switching System
212-512-301	3	Automatic Outgoing Trunk Test Frame SD- 68580-01 — Compiling Data for Control Tapes	212-514-505	1	Common Channel Interoffice Signaling Trunk Tests Using CCIS Intraoffice Trunk Test Frame in No. 4A Toll Switching System
212-512-302	3	Automatic Outgoing Trunk Test Frame SD- 68580-01 — Control Tape Preparation	212-514-701	3	Automatically Directed Outgoing Intertoll Trunk Test Circuit SD-68588-01 — Build- Out Resistor Assembly Adjustment
212-512-501	4	Automatic Outgoing Trunk Test Circuit SD-68580-01 — Tests	212-516-501	1	Data Converter Interim Test Circuit — SD-71062-01 — Tests
212-512-502	4	Teletypewriter Test and Control Circuit SD-68584-01 for AOTT or AOOT Test Frames — Tests	212-517-101	4	Manual Test Frame SD-68587-01 Description
212-512-701	1	Automatic Outgoing Trunk Test — Circuit SD-68580-01 — Built-Out Resistor Assembly Adjustment	212-517-501	3	Manual Test Frame — Circuit SD-68587- 01 — Tests
212-513-501	5	CAMA Incoming Trunk Test Circuit — Tests	212-517-701	2	Manual Test Frame SD-68587-01 — Amplifier Adjustment and Compensation for Access Loss
212-513-502	1	Signaling Analysis Connector Frame SD- 68768-01 — Tests	212-518-101	2	Miniature Printed Wiring Board — Plug-In Trunk Frame SD-68755-01 — Description — No. 4A Toll Switching System

Number	Issue	Subject	Number	Issue	Subject
212-522-501	4	Outgoing Trunk Identification Circuit — Tests	212-563-502	2	Outgoing, 2-Way Intertoll and Common Channel Interoffice Signaling Trunks Using ADOIT SD-68588-01 With EM-D2 NCR Card Reader
212-524-501	1	Camp-On Circuit — Miscellaneous Tests	212-564-501	3	Toll Connecting Trunks — Manual Transmission Tests Using Trunk Test Circuit SD-68076-01 or SD-68373-01 and Test Trunk Circuit SD-68547-01
212-528-501	8	Announcement Connecting Trunks — Tests — Using Test Circuit SD-68076-01, SD-68373-01, SD-68580-01 — Manual Test Frame SD-68587-01, and Integrated Manual Test Frame SD-99604-01	212-564-502	2	Toll Connecting Trunks — Manual Transmission Tests Using Trunk Test Circuit SD-68580-01 and Test Trunk Circuit SD-68547-01
212-528-502	1	Group Busy Chain Relay Circuits and Directional Reservation Circuits — Tests	212-564-503	1	Outgoing Toll Connecting Trunks — Manual Transmission Tests Using Automatic Outgoing Toll Connecting Trunk Test Circuit SD-68076-01, SD-68373-01 or SD-68580-01
212-530-501	7	Incoming (One-Way) Intertoll Trunk Circuit — Tests — Using Test Circuit SD-68359-01	212-564-504	2	Message Timing and Register Circuit — Frame for INWATS Trunks — SD-68763-01 — Tests
212-530-502	2	Incoming (One-Way) Intertoll Plug-In Trunk Circuit SD-68626-01 — Tests — Using Test Circuit SD-68359-01 and SD-68755-01	212-565-501	2	Outgoing Toll Tandem Trunks — to Toll Tandem Switchboards — Tests Using Test Circuit SD-68359-01
212-534-501	9	Incoming Toll Tandem Trunk Circuits — Test Using Test Circuit SD-68359-01	212-566-501	7	Toll Switching, TX, and Miscellaneous Outgoing Trunks Arranged for MFP, RP, DP, CI, or CA Operation — Tests Using Test Circuit SD-68076-01 or SD-68373-01
212-534-502	2	Incoming Toll Tandem Plug-In Trunk Circuit — Tests — Using Test Circuit SD-68359-01 and SD-68755-01	Addendum	1	
212-536-501	2	Incoming Trunks to No. 5 Toll Switchboard From Toll Switchboards — Test Using Test Circuit SD-68359-01	212-566-502	5	Toll Switching, TX, and Miscellaneous Outgoing Trunks Arranged for Manual or Straightforward Operation — Tests Using Test Circuit SD-68076-01 or SD-68373-
212-560-501	7	Outgoing (One-Way) Intertoll Trunk Circuit — Tests — Using Test Circuit SD-68359-01	212-566-502	5	
212-560-502	2	Outgoing (One-Way) Intertoll Plug-In Trunk Circuit — Tests — Using Test Circuit SD-68359-01 and SD-68755-01	212-566-503	2	Sequential Non-Tape Controlled — Operational and Transmission — Tests of Outgoing Trunks Using Test Circuit SD-68580-01
212-562-501	3	Automatic Operational and Transmission Tests of Intertoll Trunks Using Automatic Outgoing Intertoll Trunk (AOIT) SD-68404-01 and the Automatic Transmission Test and Control Circuit (ATTC) SD-68446-01	212-566-504	2	Tape — Controlled Transmission and Operational Tests of Outgoing Toll Switching Trunks Using Test Circuit SD-68580-01
212-563-501	2	Outgoing, 2-Way Intertoll and Common Channel Interoffice Signaling Trunks Using ADOIT SD-68588-01			

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		212-570-701	3	Intertoll or Integrated Manual — Test Frame SD-99604-01 Amplifier — Adjustment and Compensation for Access Loss — No. 4A Toll Switching System
212-566-505	1	Miscellaneous Manual — Operational Tests of Outgoing Trunks Using Trunk Test Circuit SD-68580-01	212-571-501	2	Intertoll Trunks — Operational Tests Using Intertoll or Integrated Manual Test Frame SD-99604-01 — No. 4A Toll Switching System
212-566-506	1	Outgoing Toll Switching or Metallic Intertoll Plug-In Trunk Circuit SD-68623-01 — Tests — Using Test Circuit SD-68359-01 and SD-68755-01 — No. 4A Toll Switching System	212-571-502	2	Intertoll Trunks — Transmission Tests Using Intertoll or Integrated Manual Test Frame SD-99604-01
Addendum	1		212-571-503	4	Intertoll Trunks Miscellaneous Tests and Features Using the Intertoll or Integrated MTF SD-99604-01 in the No. 4A Toll Switching System
212-567-501	1	Toll Switching Trunks — Operational Tests — Using Manual Test Frame SD-68587-	212-571-504	3	Toll Switching Trunks — Operational Tests — Using Integrated Manual Test Frame SD-99604-01
212-567-502	2	Toll Switching Trunks — Transmission Tests Using Manual Test Frame SD-68587-01	212-571-505	3	Toll Switching Trunks — Transmission Tests — Using Integrated Manual Test Frame SD-99604-01
212-567-503	2	Toll Switching Trunks — Miscellaneous Tests and Features Using Manual Test Frame SD-68587-01	212-571-506	3	Toll Completing Trunks — Miscellaneous Tests and Features Using the Integrated MTF SD-99604-01
Addendum	1		212-571-507	3	Common Channel Interoffice Signaling Trunk Tests Using the Integrated Manual Test Frame SD-99604-01 in a 4A Toll Switching System
212-568-501	2	Outgoing Trunk From No. 5 Toll Switchboard — Appearing on Incoming Link and Connector Frames — Tests Using Test Circuit SD-68359-01	212-572-101	1	Trunk Status Display System Associated With the Intertoll or Integrated Manual Test Frame — Description and Operation
212-569-501	1	Outgoing Trunks From No. 5 Toll Switchboards (Not Appearing on Incoming Link Frames) — to Toll Tandem and Toll Switchboards — Tests Using Test Circuit SD-68359-01	212-572-501	2	Trunk Status Display System Associated With the Intertoll or Integrated Manual Test Frame — Tests
212-570-101	4	Intertoll or Integrated Manual Test Frame SD-99604-01 — Description — No. 4A Toll Switching System	212-580-501	7	Two-Way Intertoll Trunk Circuit — Tests Using Test Circuit SD-68359-01
212-570-102	1	Outgoing Trunk Test Connector Frame SD-68748-01 — Description	212-580-502	2	Two-Way Intertoll Plug-In Trunk Circuit — Tests — Using Test Circuit SD-68359-01 and SD-68755-01
212-570-103	2	Test Trunk and VF Link Jack Circuit SD-1C600-01 — Used With the Integrated Manual Test Frame — Description and Method of Operation — No. 4A Toll Switching System			
212-570-501	2	Intertoll or Intergrated Manual Test Frame SD-99604-01 — Tests			

Number	Issue	Subject	Number	Issue	Subject
212-582-501	4	2-Way Overseas Trunk, Circuit and Associated Assistance Trunk Circuits — Tests Using Test Set Circuit SD-68359-01	212-712-502	2	CAMA Position Link and Controller — Miscellaneous Tests
212-583-501	1	Overseas Operator Bridged Access Intraoffice Trunk Circuit SD-68706-61 — Tests — Using Trunk Test Set Circuit SD-68359-01	Addendum	1	
212-585-501	3	Data Converter Circuit — SD-71050-01 — Tests Using Interim Test Circuit SD-71062-01	212-712-503	1	CAMA Transfer Trunks — Transmission Tests to a TSPS
212-587-101	2	CCIS Printed Wiring Board — Plug-In Trunk Frame — SD-68759-01 — Description	212-713-502	5	CAMA Calls Waiting Signal Circuit and CAMA 2-Way Signaling Circuit — Manual Tests
212-587-301	3	Procedures for Adding, Removing, or Reassigning Common Channel Interoffice Signaling Trunks — No. 4A Toll Switching System	212-720-301	2	Master Timing Circuit SD-25633-01 — Taking Equipment Out of Service
212-587-302	2	Test Panel in Printed Wiring Board Plug-In Trunk Frame SD-68759-01 — Method of Operation — No. 4A Toll Switching System	212-720-302	4	Master Timing Circuit SD-25633-01 — Methods of Handling Alarms
212-587-303	3	Conversion of Conventional E&M Trunks to Common Channel Interoffice Signaling Trunks In a No. 4A Toll Switching System	212-720-303	2	Master Timing Circuit SD-25633-01 — Daylight Saving Time and Leap Year Changes
212-587-304	2	Common Channel Interoffice Signaling — Trunk Maintenance Procedures — 4A Toll Switching System	212-720-501	7	Master Timing Circuit SD-25633-01 — Test
			Addendum	1	
			212-730-501	4	CAMA Sender Link and Connector Circuit — Tests
			212-735-501	5	Transverter — Tests Using the Nonautomated and/or Automated Incoming Sender and Register Test Frame SD-68491-01
			Addendum	1	
			212-735-502	2	Transverter — Miscellaneous Tests
			212-736-501	2	Trunk Class Translator Circuit — Tests
			Addendum	1	
			212-737-501	2	Transverter Connector
			212-740-501	5	Recorder and Recorder Connector Circuit — Tests
			212-745-501	2	Billing Indexer — Tests Using Automatic Incoming Sender and Register Test Frame SD-68491-01
			212-745-502	4	Billing Indexer — Miscellaneous Tests
			212-750-501	4	Call Identity Indexer Circuit SD-25621-01 — Tests
			212-760-501	5	CAMA Incoming Trunks — Tests Using CAMA Incoming Trunk Test Circuit
<b>212-7 CAMA</b>					
212-700-010	1	Cross-Connection Forms — CAMA Equipment			
212-703-501	1	CAMA Line Observing Number Matching — Miscellaneous Tests			
212-710-501	1	CAMA Switchboard Suspension — Tests			
212-711-501	2	CAMA Position Circuit Tests Using the Nonautomated and/or Automated Incoming Sender and Register Test Frame SD-68491-01			
212-712-501	2	CAMA Position Link Tests Using Nonautomated and/or Automated Incoming Sender and Register Test Frame, SD-68491-01			

Number	Issue	Subject	Number	Issue	Subject
<b>212-8 Electronic Translator</b>			212-806-502	3	Decoder Channel — Tests Using the Decoder-Marker — Test and Trouble Recorder Circuit — Miscellaneous Tests — No. 4A Toll Switching System — Having Common Channel Interoffice Signaling
■ 212-800-100	6	General Maintenance Information — Electronic Translation Office	212-807-102	1	Terminal and Terminal Access Circuit Fault Recognition — Description in the No. 4A Toll Switching System
212-800-101	1	Diagnostic Program Organization and Language In a 4A Toll Switching System — Common Channel Interoffice Signaling Office	212-807-502	4	Voice Frequency Link and Access Circuit Tests in a 4A Toll Switching System Using the Integrated Manual Test Frame
212-801-101	2	Peripheral Scanner — Description	212-808-101	2	Central Pulse Distributor Applique — SD- 68608-01 — Description
212-801-501	4	Peripheral Scanner — Tests	■ 212-810-101	2	Call Processing — Description
212-801-801	1	Ferrod Sensors — Replacement Procedures	212-810-102	3	Common Channel Interoffice Signaling — Call Processing Within the No. 4A Toll Switching System
Addendum	1		■ 212-812-301	1	Traffic Order Translation and Office Change Preparation — 4A/4M Toll Offices Equipped With Electronic Translators
212-802-301	4	Electric Translator System and Store Program Control — Out of Service and Power Removal Procedures	212-812-302	3	Change Message Teletypewriter Tape Preparation
212-803-101	1	Distributor Register — General Description	212-812-303	1	Change Message Magnetic Tape Preparation
212-803-502	5	Distributor Register SD-68605-01 — Tests	212-814-301	3	Data Table — Memory Change Procedures — With PBC for Non-CCIS and CCIS Offices
212-804-101	2	Common Channel Interoffice Signaling — Distributor and Scanner Frame — Description — No. 4A Toll Switching System	212-816-501	2	ETS Data Verification
212-804-102	1	Distribution and Scanner Circuit Fault Recovery — Description in the No. 4A Toll Switching System	212-816-502	2	Common Channel Interoffice Signaling — Routing Data Verification — No. 4A
212-804-501	1	Distributor and Scanner Frame SD-68747- 01 Test — No. 4A Toll Switching System	■ 212-819-301	1	Maintenance Interrupts — Analyzing and Trouble-Locating Procedures
212-804-701	1	Distributor and Scanner Matrix Repair Procedure for Common Channel Interoffice Signaling in the No. 4A Toll Switching System	■ 212-820-301	3	Call Processing Recovery Procedures
212-804-702	1	Distributor and Scanner Controller Recovery and Repair Procedure for Common Channel Interoffice Signaling in the 4A Toll Switching System	■ 212-820-302	3	Recovery From Catastrophic Troubles Using Dead Start Procedures — No. 4A Toll Switching System
212-805-501	8	Alarm and Display Circuit — Tests	212-820-304	2	Emergency Recovery Flowchart — 4A Toll Switching System
212-806-501	4	Decoder Channel — Tests Using the Decoder-Marker — Test and Trouble Recorder Circuit — Miscellaneous Tests	212-822-101	2	Traffic Data Transmitter Circuit — Description

Number	Issue	Subject	Number	Issue	Subject
■ 212-822-301	2	Traffic Measurement	212-830-301	3	Maintenance and Traffic Teletypewriters and DATASPEED® 40 Station — Operating Procedures
212-822-302	2	Point Network Control Point — 800 Service Data Base Measurements, Reports, and Data Base Updating	212-830-302	1	Use of the ETS Channel 10 Teletypewriter for DEC® Diagnostic Programs on the PBC
212-822-501	1	Traffic Data Transmitter — Tests	212-840-101	6	Peripheral Bus Computer — Used in an Office Equipped for Electronic Translator System or Signal Transfer Point Operation — Description
■ 212-824-101	1	Electronic Translator Input Circuits — Description	212-840-102	3	AC Bus Repeater and Bus to Bus Access Circuit Used With the Peripheral Bus Computer — Description
■ 212-825-101	1	Output Circuits — Description	212-840-103	3	Traffic Data Converter and Access Circuit Used With the Peripheral Bus Computer — Description
212-826-301	4	System Evaluation Procedures — With Electronic Translator System	212-840-104	1	Distributor, Scanner, and Bus Converter Access Circuit Used With the Peripheral Bus Computer — Description
212-826-302	4	System Evaluation Procedures — 4A Common Channel Interoffice Signaling — Switching Office	Addendum	1	
212-826-303	4	System Evaluation Procedures — Common Channel Interoffice Signaling — Electronic Translator System/Signal Transfer Point and Stored Program Control/Signal Transfer Point	212-840-105	1	Traffic Usage Facilities Using Peripheral Bus Computer — Description and Method of Operation
212-826-304	1	Common Channel Interoffice Signaling — Network Routing Description and Tests	212-840-106	4	Peripheral Bus Computer — Used in a Common Channel Interoffice Signaling Switching Office — Description
■ 212-827-101	1	General Growth Description	212-840-107	2	Peripheral Bus Computer — System Integrity — No. 4A
■ 212-827-102	2	General Growth Description — 4A Toll Switching Offices Converted to Common Channel Interoffice Signaling	212-840-108	3	Maintenance Reports From Peripheral Bus Computer — No. 4A/4M Toll Switching System — Description
212-827-103	2	Signal Transfer Point and Stand-Alone Signal Transfer Point — Offices With or Without the Network Control Point — Description and Operation	212-840-109	2	Peripheral Bus Computer — Dial-Up Data Port — Description
■ 212-827-301	1	Procedures for Changing Data Tables Via Recent Changes for Electronic and Electromechanical Growth	212-840-301	4	Peripheral Bus Computer System — Method of Operation
212-827-302	2	Procedures for Converting a 4A Electronic Translator Office to a Common Channel Interoffice Signaling Switching Office	212-840-302	5	Peripheral Bus Computer — System Evaluation
212-827-303	2	Procedure for Converting a 4A ETS/STP Office to a CCIS — Stored Program Control/Signal Transfer Point Office	212-840-303	4	The No. 4A/4M Toll Switching System Not Having Common Channel Interoffice Signaling — Memory Change Procedures
212-827-304	1	Signal Transfer Point — Conversion — No. 4A Electronic Translator CCIS Office — To Stored Program Control (SPC) CCIS Office	212-840-304	3	Peripheral Bus Computer — Plant Analysis Support System for ETS and CCIS/STP Offices

Number	Issue	Subject	Number	Issue	Subject
212-840-305	6	Peripheral Bus Computer System — Loading and Tape Dump Procedures	212-840-502	2	Traffic Data Converter Used With the Peripheral Bus Computer — Tests
212-840-306	3	Common Channel Interoffice Signaling — Memory Change Procedures in the 4A Toll Switching System	Addendum	1	
212-840-307	4	Peripheral Bus Computer — Plant Analysis Support System for a Common Channel Interoffice Signaling Switching Office	212-840-504	1	Ineffective Attempt and Sender Retrial Sender Progress — Test Procedures — ETS Peripheral Bus Computer Office
212-840-308	3	Audits and Route Verification of the Common Channel Interoffice Signaling Data Base Resident in the No. 4A and 4M Toll Switching System and Peripheral Bus Computer	212-840-505	2	Distributor and Scanner Used With the Peripheral Bus Computer — Tests
212-840-309	2	Audits and Route Verification of the Non- CCIS Data Base Resident in the No. 4A and 4M Toll Switching System and Peripheral Bus Computer	212-840-506	3	Peripheral Bus Computer Alarm and Status Panel — Tests
212-840-310	2	Peripheral Bus Computer — Error Logging System — Description and Operation	212-840-507	2	Peripheral Bus Computer Input/Output Terminal Transfer Circuit SD-68770-01 — Tests — No. 4A Toll Switching System
212-840-311	2	Automatic Trouble Analysis — Description and Operation in a 4A Toll Switching Office With Common Channel Interoffice Signaling	212-840-509	2	Peripheral Bus Computer — On-Line Disk Diagnostics and Exercises for Trouble Location
212-840-501	3	Peripheral Bus Computer — Trouble Locating Tests	212-840-510	1	Peripheral Bus Computer — On-Line Trouble Locating Core Diagnostics and Exercises
			212-840-511	1	Peripheral Bus Computer — DC11 On- Line Diagnostics and Input/Output Channel Exercisers — Tests
			212-840-512	1	Peripheral Bus Computer — Magnetic Tape and Paper Tape Drive — Tests
			□ 212-841-101	1	Common Channel Interoffice Signaling — Signal Transfer Point — 3B Feature Processor — Description and Operation NOTE: Info now in 256-100-100



**Division 216**

**No. 1 Crossbar Offices**

- 216-0 Indexes and Administrative Practices
  - 020 Network Switched Services (Administration and Maintenance) Methods
  - 060 Network Design
- 216-1 Records, Reports, Emergency and Interdepartmental Routines
- 216-2 Originating Equipment
- 216-3 Terminating Equipment
- 216-4 Method of Taking Equipment Out of Service
- 216-5 Method of Handling Alarms, Trouble Reports, and Other Signals
- 216-6 General troubles — Analyzing, Locating, and Clearing
- 216-7 Distributing Frames and Cross Connections, Switchboards, Miscellaneous Tests and Testing Equipment
- 216-8 Automatic Message Accounting
- 216-9 Automatic number identification

Number	Issue	Subject
<b>216-0 Indexes and administrative practices</b>		
216-000-000	24	Numerical Index — Division 246 — No. 1 Crossbar Offices
<b>216-001 Controlled Maintenance Plan and Equipment Test Lists (ETL)</b>		
216-001-011	6	ETL — Alarms
216-001-012	7	ETL — Fuse Alarms
216-001-013	15	ETL — AMA
216-001-014	8	ETL — ANI
216-001-015	6	ETL — Code Compressor
216-001-016	6	ETL — District Junctor
216-001-017	8	ETL — Links and Connectors
216-001-018	9	ETL — Line Controls and Connectors

Number	Issue	Subject
216-001-019	9	ETL — Markers and Connections
216-001-020	10	ETL — Miscellaneous
216-001-021	8	ETL — Senders Terminating
216-001-022	7	ETL — Senders Originating
216-001-023	11	ETL — Sender Links
216-001-024	4	ETL — Switchboard Circuits
216-001-025	12	ETL — Test Frames
216-001-026	6	ETL — Trunks

<b>216-020 Network Switched Services (Administration and Maintenance) Methods</b>		
❶ 216-020-005	2	Network Switching Performance Measurement Plan — Description
❶ 216-020-020	1	Ineffective Attempt Analysis
❶ 216-020-030	1	Transition Management — Method of Procedure
❶ 216-020-110	1	Load Balancing Procedures — Line and Trunk Administration
❶ 216-020-120	1	Line and Trunk Administration — Office Link Frames
❶ 216-020-125	1	Line and Trunk Administration — Incoming Link Frames
216-020-510	2	Controlled Maintenance Plan — Network Operations Methods
❶ 216-020-511	1	Administrative and Technical Operational Review — Network Maintenance Management Plan (NMMP) — Network — No. 1 Crossbar
216-020-520	1	Portable Maintenance Equipment — Cords, Tools, and Material
216-020-610	1	Line Load Control Operating Methods
216-020-611	1	Originating and Terminating Load Control
216-020-612	1	Procedures in Case of Subscriber Cable Failure
216-020-613	1	Procedures in Case of Subscriber Cable Failure — Arranged for AMA
<b>216-060 Network Design</b>		
❶ 216-060-100	1	General Description
❶ 216-060-110	1	Supplementary Information
❶ 216-060-120	1	Line Link Frames — General Description

Number	Issue	Subject	Number	Issue	Subject
● 216-060-130	1	Line Link Frames — Determination of Requirements	216-207-501	2	Emergency Line Circuit — For Use With Central DSA Switchboard — Per SD-25416-01 and SD-25417-01 — Tests
● 216-060-140	1	District and Office Frames and Associated Circuits	216-208-501	1	Auxiliary Line Circuit for Terminating Service Only or for Originating Service Only Arranged for Number Checking — Tests
● 216-060-150	1	Originating and Auxiliary Senders	216-208-502	1	Auxiliary Line Circuit Arranged for Manual Terminating Service Per SD-25138-01 and SD-25140-01 — Tests
● 216-060-160	1	Originating Markers	216-208-503	1	Auxiliary Line Circuit — 10-Party Code Ringing Lines or 8-Party Semiselective Ringing Lines — Tests
● 216-060-170	1	Incoming Trunks and Frames	216-208-504	1	Auxiliary Line Circuits — Serving More Than One Office in the Same Building — Tests
● 216-060-181	1	Terminating Senders and Markers	Addendum	2	
● 216-060-200	1	Number Groups, Block Relay Frames, and Direct Access Pre-translator Connector	216-209-501	6	Line Link and Controller Tests
● 216-060-210	1	Traffic Measurements	216-210-502	5	Line Choice Connector Circuits — Tests
● 216-060-220	1	Other Features and Arrangements	216-230-501	6	Subscriber District Junctors — Tests Using District Junctor Test Circuit
● 216-060-230	1	Holding Time and Capacity Tables	216-230-503	3	District Junctors — Interrupter Checking Circuit Alarms — Tests
● 216-060-240	1	Automatic Message Accounting	216-231-501	4	District Link and Connector Circuits — Tests
● 216-060-245	1	Auxiliary Senders	216-232-501	1	Permanent Signal Overflow Alarms — Tests
● 216-060-250	1	Automatic Number Identification	216-233-501	5	Coin Supervisory Circuits — Tests Using District Junctor Test Circuit
● 216-060-255	1	Ten High Day Engineering Method — Subscriber Senders and District Junctors	216-233-502	3	Coin Supervisory Circuits — Miscellaneous Tests
			216-233-503	3	Coin Supervisory Link Controller — Tests
			216-235-501	2	Zone Registration Circuits, SD-25320-01 — Tests Using Automatic Test Circuit SD-25311-01
			216-235-502	1	Zone Registration Control Circuits — Tests Using District Junctor Test Circuit, SD-25158-01
			Addendum	1	
			216-240-501	6	Office Link and Connector Circuits — Tests
			216-246-501	4	Number Group Connector — Tests
<b>216-1 Records, Reports, Emergency and Interdepartmental Routines</b>					
216-102-301	4	Trouble Indicator Records			
216-112-501	5	Line Cross-Connections, Class-of-Service, Message Register, ANI Line Verification, and Message Timing Tests			
216-114-501	3	Verification Test of Subscriber Lines — Offices Arranged for AMA			
<b>216-2 Originating Equipment</b>					
216-200-301	6	Method of Denying and Restoring Service on Customer Lines			
216-201-501	5	Subscriber Lines and Outgoing Trunks — Voltmeter Tests Using OGT Test Frame SD-25177-01			
216-204-501	1	Manual Line Circuit — Dial Terminating for Use With Central "A" Switchboard — Tests			
216-205-501	2	Line Circuit — Terminating Service Only — For Use With Dial Selected PBX Trunks — Tests			

Number	Issue	Subject	Number	Issue	Subject
216-251-501	15	Subscriber, Auxiliary, and (A) Switchboard Keypulsing Senders — Tests Using Originating Sender Test Frame SD-25221-01	216-272-504	3	Permanent Signal Holding Trunk SD-95554-01 and Concentrating Circuit SD-25766-01 — Tests
216-252-501	4	Subscriber Sender Link and Controller SD-25004-01 — Tests	216-273-501	5	Vacant Code Trunks — Tests
216-252-502	3	Subscriber Sender Link and Controller SD-25554-01 — Operation Tests	216-274-501	2	Operators' Recording-Completing Trunks — Tests
216-255-501	2	Key Pulsing "A" Operator Sender Link Controller — Tests	216-275-501	6	Outgoing Trunks — Arranged for Dial Coin Zone Service — Tests Using Coin Trunk Test Set SD-96372-01 (J94721A)
216-256-501	7	Auxiliary Sender Link — Miscellaneous Tests	216-276-501	4	Outgoing Trunks — Tests Using Outgoing Trunk Test Frame SD-25177-01
216-258-501	3	Code Compressor SD-96527-01 — Tests Using Code Compressor Trouble Indicator	216-277-501	6	Trunk Circuits — Tests Using Automatic Incoming Test Circuit SD-25161-01
216-258-503	3	Code Compressor Connector SD-96526-01 — Tests	216-278-501	3	Continuity and Polarity Test of Outgoing Trunks at Outgoing Trunk Test Frame Using Test Circuit SD-96370-01
216-258-505	3	Code Compressor Trouble Indicator SD-96528-01 — Tests			
216-258-507	1	Miscellaneous Circuit — Recycle Frame — Tests			
216-261-501	11	Originating Marker — Tests Using Originating Trouble Indicator	<b>216-3 Terminating Equipment</b>		
216-261-502	5	Originating Marker — Miscellaneous Tests	216-301-501	7	Full Selector Terminating Senders — Tests Using Terminating Sender Test Circuit SD-25159-01
216-261-503	1	Originating Marker — Route and Rate Cross-Connections Tests Using Route and Rate Verification Test Circuit SD-27720-01	216-301-502	2	Full Selector Terminating Senders — Tests Using Outgoing Trunk Test Circuit SD-25177-01 and Test Selection Circuit SD-25437-01
216-262-501	2	Dynamic Overload Control Circuit SD-27970-01 — Tests	216-303-501	4	Multifrequency Terminating Sender and Associated Receiver — Tests Using Automatic Terminating Sender Test Circuit SD-25159-01
216-263-501	5	Originating Marker Connectors — Manual Test	216-305-501	5	Dial Pulse Terminating Senders — Tests Using Terminating Sender Test Circuit SD-25159-01
216-265-501	2	3-Digit Translator Connectors — Tests	216-307-501	5	Sender Link and Controller — Tests
216-271-501	4	Subscriber Recording-Completing Trunks and Special Service Trunks — Tests Using Outgoing Trunk Test Frame SD-25177-01	216-331-501	10	Terminating Marker and Terminating Marker Applique — Tests Using Terminating Trouble Indicator SD-25284-01
216-272-501	8	Permanent Signal Holding Trunks SD-25126-01 and SD-25425-01 — Tests Using Outgoing Trunk Test Frame SD-25177-01	216-331-502	6	Terminating Marker SD-25283-01 and Terminating Marker Applique SD-27765-01 — Miscellaneous Tests
216-272-502	4	Permanent Signal Holding Trunk SD-25418-01 — Tests			
216-272-503	3	Permanent Signal Holding Trunk SD-55870-01 — Tests			

Number	Issue	Subject	Number	Issue	Subject
216-340-501	4	Marker Connectors — Tests	216-397-502	2	AIS Line Circuits SD-27963-01 and SD-27964-01 — Control and Connector Circuit SD-27961-01 — Tests Using Outgoing Trunk Test Frame SD-25177-01
216-361-501	4	Incoming Link and Connector Circuits — Tests			
216-365-501	3	Incoming Trunk Frame Alarms — Tests			
216-370-501	2	Incoming Selector and Incoming Trunk Circuits From Toll Switchboards — Coin Control Tests			
216-372-501	4	Incoming Trunks Using Outgoing Trunk Test Frame SD-25177-01			
Addendum	1				
216-381-501	5	Incoming Trunks — Tests Using Test Set SD-25187-01 (J24751A)			
216-385-501	2	Translator Preference Control SD-27756-01 and Translator Connector SD-27755-01 For Use with Direct-In-Dialing — Tests Using Terminating Trouble Indicator SD-25284-01			
216-386-501	1	Translator for Direct-In-Dialing SD-27754-01 — Tests Using TT1 SD-25284-01			
216-387-501	2	Direct Access Pretranslator Connector SD-27822-01 and Preference Control Circuit SD-27821-01 — Tests Using DID Test Circuit SD-27766-01			
216-388-501	1	Direct Inward Dialing — Line Circuits SD-27752-01 and SD-27753-01 — Tests Using DID Test Circuit SD-27766-01			
216-388-502	1	No. 101 ESS™ Central Office Trunk Circuit SD-1H077-01 — Tests Using Dial Test Circuit SD-27766-01			
216-389-501	1	Outgoing Sender Connectors SD-27758-01 and SD-27759-01 — Tests			
216-391-501	1	Dial Pulse Outgoing Sender SD-27762-01 — Tests Using DID Test Circuit SD-27766-01			
216-392-501	1	Outgoing Sender Circuit SD-27962-01 Tests Using Outgoing Sender Test Circuit SD-27965-01			
216-394-501	1	Outgoing Sender Group-Busy Circuit SD-27763-01 — Tests			
216-397-501	2	AIS Line Circuits SD-27750-01 and SD-27751-01 and MF Outgoing Sender SD-27761-01 — Tests Using Outgoing Trunk Test Frame SD-25177-01			
<b>216-4 Method of Taking Equipment Out of Service</b>					
			216-401-301	1	Major Units of Equipment
			216-403-301	2	Subscriber Line Link Frame
			216-405-301	2	District Junctor Frame
			216-407-301	1	District Link Frame
			216-409-301	1	District Coin Control Circuit — Coin Control Link and Control Frame — Key Pulsing "A" Sender Link and Control Frame
			216-410-301	2	Office Link Frame
			216-411-301	1	Zone Registration and Control Circuit SD-25320-01
			216-412-301	5	Alarm Sending and Transfer Circuits
			216-413-301	1	Number Group Connector Circuit
			216-415-301	1	Subscriber and Key Pulsing Senders
			216-417-301	2	Subscriber Sender Link and Controller Circuits
			216-419-301	1	Originating Marker Connector Frame
			216-421-301	2	Terminating Sender Link and Controller Circuit — Terminating, "B", Dial Pulsing and MF Key Pulsing Senders
			216-423-301	1	Terminating Marker and Terminating Marker Connector Frames
			216-425-301	1	Incoming Trunk Frame
			216-427-301	1	Incoming Link Frame
			216-429-301	1	Line Choice Connector Circuit Per SD-25275-01
			216-431-301	1	Number Checking Equipment
			216-433-301	5	Interrupter Frame
			216-435-301	1	Translators — Offices Arranged for AMA
			216-437-301	2	Transverters — Offices Arranged for AMA
			216-439-301	1	Transverter Connectors — Offices Arranged for AMA
			216-441-301	1	Call Identity Indexers — Offices Arranged for AMA

Number	Issue	Subject	Number	Issue	Subject
216-443-301	2	Recorder and Recorder Connector Circuits — Offices Arranged for AMA	216-538-301	1	Terminating Sender Link Frame — Alarm Routine
<b>216-5 Method of Handling Alarms, Trouble Reports, and Other Signals</b>			216-540-301	1	Terminating Marker — Alarm Routine
216-508-301	4	Fuse Alarms Routine	216-542-301	1	Terminating Marker Connector — Alarm Routine
216-509-301	3	Motor Stop Alarm Routine	216-544-301	1	Terminating Trouble Indicator — Alarm Routine
216-510-301	1	Subscriber Line Link Frame — Alarm Routine	216-546-301	2	Transverter — Alarm Routine
216-511-301	3	District Link, Trunk Link and Office Link Frames — Alarm Routine	216-548-301	1	Transverter Connectors — Alarm Routine
216-512-301	3	Interrupter Checking Circuit Alarm Routine — District Junctions and Tandem Trunks	216-550-301	2	Transverter Trouble Indicator — Alarm Procedure — Offices Arranged for AMA
216-513-301	1	Coin Control Circuit — Time Alarm Routine	216-552-301	1	Recorder and Recorder Connector — Alarm Routine
216-514-301	1	Subscribers Sender — Load Alarm Routine	216-554-301	1	Translator — Alarm Routine
216-516-301	1	Subscriber Sender Link Frame — Alarm Routine	216-570-301	3	Originating Sender Supervisory Signals — Method of Handling
216-518-301	1	Subscriber Sender Link and Controller — Trouble Indicator Routine for Handling Alarms and Displays	216-572-301	1	Permanent Signal Holding Trunks — Method of Handling Permanent Signals — Offices Arranged for AMA
216-520-301	1	Key Pulsing "A" Sender Link and Control Frame — Coin Control Link and Control Frame — Alarm Routine	216-572-302	3	Permanent Signal Holding Trunks — Method of Handling Permanent Signals — Offices With or Without Automatic Number Identification
216-522-301	1	Originating Marker — Alarm Routine	216-575-301	1	Coin Supervisory Signals — Method of Handling When Served by a DSA Board in Another Building
216-524-301	1	Originating Marker Connector — Time Alarm Routine	<b>216-6 General Troubles — Analyzing, Locating, and Clearing</b>		
216-528-301	1	Permanent Signal Overflow — Alarm Routine — Offices Arranged for AMA	216-600-301	1	Originating Trouble Indicators — Automatic Trouble Analysis — Trouble Reference Guide
216-530-301	1	Permanent Signal Overflow — Alarm Routine — Offices Not Arranged for AMA	Addendum	1	
216-532-301	2	Incoming Trunk Frame — Alarm Routine	216-600-302	1	Terminating Trouble Indicators — Automatic Trouble Analysis — Trouble Reference Guide
216-534-301	1	Incoming Link and Connector Frame — Line Choice Connector Frame — Number Group Connector Frame — Alarm Routine	216-600-303	1	ANI Trouble Ticketer — Automatic Trouble Analysis — Trouble Reference Guide
216-536-301	2	Terminating Sender — Time Alarm Routine	216-600-304	1	Controller Trouble Indicator — Automatic Trouble Analysis — Trouble Reference Guide

Number	Issue	Subject	Number	Issue	Subject
216-600-305	1	Code Compressor Trouble Indicator — Automatic Trouble Analysis — Trouble Reference Guide	216-631-301	2	Originating Marker Receiving Lead Permanently Closed — Originating Marker Connector
216-600-306	1	Stuck Sender Trunk Identification — Automatic Trouble Analysis — Trouble Reference Guide	216-633-301	1	Open Transmitting Lead Between Originating Marker and Sender
216-601-300	3	Analyzing, Locating and Clearing Trouble Conditions	216-635-301	1	Office Frame ST Lead Crossed With Battery
216-601-301	2	Analyzing, Locating and Clearing Trouble Conditions — Index for Sections Covering Trouble Conditions	216-637-301	1	Crossed Contacts of Office Link Frames SS Relays
216-603-301	1	Crosses or False Grounds on Subscriber Line Link Frame — LR Relay	216-639-301	1	Failure of Office Link and Connector MP Relay
216-605-301	2	Line Link Double Connections or Originating Calls — No Alarm Indications	216-641-301	1	Falsely Grounded Terminating Sender FC Lead
216-607-301	1	Falsely Grounded District Junctor DC Lead	216-643-301	3	Terminating Sender Link Alarms Due to False Ground on the SM Lead
216-609-301	1	Open Subscriber Sender of Relay Shunt Circuit	216-644-301	2	Falsely Grounded Terminating Sender Link FC Lead
216-610-101	1	Stuck Sender Trunk Identification (SSTI) Feature — Description, Operation, and Trouble Locating	216-645-301	1	Falsely Grounded Terminating Sender D Lead
216-611-301	1	Crossed Contacts of Subscriber Sender Link GP Relay	216-647-301	1	Failure of Terminating Marker Short Time Out
216-613-301	1	Falsely Grounded Subscriber Sender Link DC Lead	216-649-301	1	Terminating Marker Continuity Failure — Operating Path of Incoming Link and Connector RS Relay and Terminating Marker MKO Relay
216-615-301	2	Failure of Subscriber Sender Link Controller To Start or Time Out	216-651-301	1	Terminating Marker FCG Trouble in Common Equipment
216-617-301	1	False Operation of Subscriber Sender Link C Relay	216-653-301	1	Terminating Marker Receiving Lead Permanently Closed — Terminating Marker Connector
216-619-301	1	Failure of a Subscriber Sender Link G Relay to Close the OG Lead	216-655-301	1	Falsely Grounded Terminating Marker RL or TRL Lead
216-621-301	1	Stuck Key Pulsing Senders with KR1 and KRA Relays Normal	216-655-302	1	Crossed Contacts on Terminating Marker OH or EH Relay
216-623-301	1	False Trouble Release from Originating Marker — Due to Crossed Contacts on the DT1 Relay	216-657-301	1	Audible Ringing Without Ringing Subscriber — No Incoming Link Cross Point Trouble
216-625-301	2	Crossed Originating Marker Multiple SL Leads	216-659-301	2	Falsely Grounded Incoming Trunk FC Lead
216-627-301	2	Premature Release of Originating Marker	216-661-301	1	Falsely Grounded Incoming Link Primary Hold Magnet Operating Lead in Common Equipment of an Incoming Link Frame
216-629-301	1	False Continuity of Originating Marker Connector DC Lead	216-667-301	1	Falsely Grounded Number Group RF or TF Terminal
			216-667-302	1	Crossed Number Group RF or TF Terminal

Number	Issue	Subject	Number	Issue	Subject
216-667-303	2	Falsely Grounded Number Group Connector JF Lead	216-713-301	3	Translator Frame Cross Connections
216-667-304	2	Falsely Operated Number Group Connector MCB or MCC Relay	216-715-301	4	Terminating Sender Link and Controller SD-25028-01 and SD-25459-01 — Cross Connections
216-667-305	1	Failure of Number Group Connector HB Relay	Addendum	3	
216-667-306	1	Falsely Operated Number Group Connector TB Relay	216-717-301	3	Terminating Marker — Cross-Connections
216-667-307	1	Falsely Grounded Number Group Connector C Lead	216-718-101	1	Number Group and Block Relay Frame and Line Distributing Frame — Cross Connections
216-667-308	1	Crossed Number Group Common NS Lead and Individual NC Lead	216-719-301	7	Block Relay Frame and Line Distributing Frame — Cross-Connections
216-667-309	1	Crossed or Falsely Grounded Number Group Connector NS Leads	216-719-801	3	Line Distributing Frame and Block Relay Frames — Cross Connections
216-667-310	1	Crossed Number Group Connector NF Leads	216-720-101	3	Incoming Trunk Test Frame SD-25161-01 — Description and Operation
216-667-311	1	Number Group Connector Block Relay Frame — Line Link Pulsing Diodes Open or Shorted	216-720-301	9	Incoming Trunk Test and Connector Frames SD-25161-01 — Cross-Connections
216-669-301	1	False PBX Trunk Busy Condition	216-730-501	2	Verification Request and Intercept Trunks — Tests Using Outgoing Trunk Test Frame SD-25177-01
216-671-301	3	False Routing of Calls to Intercept	216-732-501	2	Plugging-Up Line Circuits — Tests
216-673-301	1	Crossed or Falsely Grounded Line Choice Connector TK Lead	216-734-501	1	Number Checking Train — Tests
<b>216-7 Distributing Frames and Cross Connections, Switchboards, Miscellaneous Tests, and Testing Equipment</b>			216-736-501	1	DSA Switchboard — No Test Train — Tests
216-701-301	1	Wire Types	216-738-501	2	Dial Terminating Manual Subscriber Line Circuit SD-25040-01 — Tests
216-703-301	3	Subscriber Line, Line Link and Controller and Subscriber Sender Link and Controller — Cross Connections	216-740-501	2	Recording Completing Cord Circuits — No. 15C Or 15D "A" Switchboard — Tests
216-705-301	1	Subscriber Line Overflow Register — Cross Connections	216-741-501	4	Intercepting Operator's Cord Circuits — "A" Switchboard Equipped with Dials or Keysets — Operation Test using Testing Circuit SD-20444-01 or SD-90501-011
216-705-501	1	Subscriber Line Overflow Register Circuit — Tests	216-742-501	6	Switchboard Cord and Operator Telephone Circuit — Tests — No. 1 Crossbar Offices
216-707-301	1	Key Pulsing Sender Link Controller and Coin Supervisory Link Controller — Cross Connections	216-742-503	4	Cord Circuit Sleeve Relays — "A" Switchboard Equipped with Dials or Keysets — Tests
216-709-301	1	Originating Sender Test Frame — Cross Connections			
216-711-301	9	Originating Marker and 3-Digit Translator — Cross-Connections			
216-712-801	3	Cross-Connection Methods — Markers, Test Frames and Traffic Register Distributing Frames			

Number	Issue	Subject	Number	Issue	Subject
216-742-505	5	A-C Continuity Test of Cord Circuits — Switchboards Nos. 13C, 13D, 15C and 15D	216-781-501	2	District Junctor Test Circuit SD-25158-01 — Tests
216-742-507	5	Special Service Cord Circuits — "A" Switchboard Equipped With Dials or Keysets — Operation Test Using Test Circuit SD-20444-011, SD-25474-011 or SD-90501-011	216-782-501	2	Controller Trouble Indicator — Tests
216-750-501	8	Fuse Alarms — Tests	216-783-501	4	Originating and Auxiliary Sender and Transverter Test Frame — Tests
216-751-501	4	Motor Stop Alarm — Tests	Addendum	1	
216-752-501	2	Line Load Control — Tests	216-784-501	3	Automatic Incoming Trunk Test Circuit SD-25161-01 — Tests
Addendum	1		216-785-501	1	Zone Registration and Timing Test Circuit — Tests
216-753-501	2	Originating and Terminating Sender Load Control — Tests	216-786-501	4	Line Insulation Test Frame — Maintenance and Calibration Tests
216-754-501	6	Revertive Pulse Interrupter — Terminating Senders — Tests	216-787-501	3	Transverter Trouble Indicator
216-755-501	1	Simulated Heavy Traffic Load Tests	216-788-501	4	Terminating Sender — Test Circuit SD-25159-01 — Tests
216-759-501	1	Call-Through Tests	216-789-501	7	Originating Trouble Indicator — Tests
216-761-501	1	Ringling Interrupter and Alarm Circuit — Tests	216-791-501	5	Terminating Trouble Indicator — Tests
216-763-501	7	Plant Registers — Tests	216-793-501	2	Dial Coin Zone Concentrating Circuit — Miscellaneous Tests
216-765-501	11	Traffic Registers Tests	<b>216-8 Automatic Message Accounting</b>		
216-767-501	1	Subscriber Sender Supervisory — Meter Circuit — Tests	216-800-301	3	Method of Handling Complaints and Requests Involving Charge Irregularities
216-769-501	5	Trunk Transmission Tests — Provided with Manual Outgoing Trunk Test Frame SD-25177-01	216-800-302	3	Central Office Equipment — Precautions to Limit Stoppages in No. 1 Accounting Center
216-769-502	1	Test Desk and Repair Service Desk Telephone Circuits — 1000-Cycle Transmission Tests	216-800-303	2	Charge Irregularities on Crossbar Tandem CAMA Calls — Method of Handling Complaints and Requests
216-769-503	1	Trunk Transmission Tests — Circuits Terminated at Commercial ACD — Using OGT Test Frame SD-25177-01	216-801-501	6	Transverter Tests — Using Sender and District Junctor Test Circuits
216-770-501	1	Telecommunications Alarm Surveillance and Control (TASC) — Interconnection Circuit Tests	216-801-502	4	Transverter — Miscellaneous Tests
216-771-501	7	Alarm Sending and Transfer Circuits — Test	216-803-501	4	Transverter Connectors SD-25804-01 — Miscellaneous Tests
216-772-501	1	Voice Alarm Circuit SD-27984-01 — Tests	216-804-501	1	Auxiliary Transverter Link — Miscellaneous Tests
216-773-501	2	Emergency Transfer Circuit Per SD-96425-01 to Provide Emergency Manual Service for Dial Subscribers — Tests	216-805-501	1	Translators — Tests Using Sender Test Frame
▲216-780-000	2	Remote Office Test Line (ROTL)			
216-780-101	2	Remote Office Test Line (ROTL) SD-28607-01 — Descriptive Information			



Number	Issue	Subject	Number	Issue	Subject
216-805-502	1	Translator — Tests — Using Line Verification — Test Circuit SD-27154-01	216-903-501	6	Trouble Ticketer Circuit — Tests Using Outpulser-Identifier Test Circuit SD-95815-01 and Automatic Trunk Test Circuit SD-95889-01
216-807-501	6	Recorder and Recorder Connector Circuits SD-25872-01 — Tests — Arranged for AMA Paper Tape	216-903-502	1	Trouble Ticketer Circuit SD-95816-01 — Offices Equipped With Common Systems Message Printer — Tests
216-809-501	2	Call Identity Indexer Circuit SD-25621-01 — Tests	Addendum	1	
216-811-501	3	Call Count Process Control — Storage and Register Circuit — Tests	216-905-501	3	Outpulser Circuit — Operation Tests
216-813-301	5	Master Timing Circuit SD-25633-01 — With Six-Second Timing Features — Methods of Handling Alarms	216-905-502	4	Outpulser Circuits — Miscellaneous Tests — Arranged for ANI-Type B
216-813-302	2	Master Timing Circuit SD-25633-01 — Taking Equipment Out of Service	216-906-501	4	Outpulser Connector Circuit — Tests
216-813-303	3	Master Timing Circuit SD-25633-01 — Daylight Saving Time and Leap Year Changes	Addendum	1	
216-813-304	1	Master Timing Circuit SD-25633-01 — With One Second Timing Features Method of Handling Alarms	216-907-501	4	Identifier Circuit — Tests
216-813-501	8	Master Timing Circuit SD-25633-01 — Six-Second Timing Features — Tests	216-908-501	2	Oscillator Circuits — Functional Tests
216-813-502	1	Master Timing Circuit SD-25633-01 — One-Second Timing Features — Tests	216-910-501	6	Outgoing Trunks — Tests Using Automatic Trunk Test Circuit SD-95889-01
216-815-501	2	ANI Outgoing Trunks — Tests Using Trunk Test Circuit SD-27587-01	216-910-502	4	Automatic Trunk Test Circuit SD-95889-01 for Testing ANI Trunks — Miscellaneous Tests
			216-911-801	7	Number Network Frame — 313A and 313B Panels — Piece-Part Data and Replacement Procedures — Arranged for ANI-Type B
			216-913-501	2	Outpulser-Identifier Test Circuit — Miscellaneous Tests

### 216-9 Automatic Number Identification

216-901-301	2	Analysis and Clearance of Trouble — Number Network and Primary Bus Circuit — Secondary Network and Bus Connector Circuit
Addendum	1	
216-901-302	3	Analysis of Trouble Tickets
216-901-303	1	Analysis and Clearance of Trouble — Using Common Systems Message Printer SD-94865-01

**Division 218**

**No. 3, No. 5, and No. 5A Crossbar Offices**

**218-0 Indexes and Administrative Practices**

- 001 Controlled Maintenance Plan and Equipment Test Lists — MTF Offices
- 002 Equipment Test Lists — OTF Offices
- 005 Equipment Test Lists — Automatic Call Distribution
- 010 General Information
- 040 Measurements
- 080 Evaluation Test Procedures
- 099 Customer Information Release (CIR)

**218-1 Offices with Master Test Frame**

- 100 General System Information

**218-3 Centrex Offices**

**218-4 Offices with Office Test Frame**

**218-6 Automatic Call Distribution and Wideband**

**218-7 Sections Not Requiring Use of Master Test Frame Or Office Test Frame**

**218-9 4-Wire Circuits, No. 3, and No. 5A Crossbar**

Number	Issue	Subject
218-001-013	16	ETL — Registers — Offices with Master Test Frame
218-001-014	15	ETL — Senders — Offices with Master Test Frame
218-001-015	15	ETL — AMA-ANI — Offices with Master Test Frame
218-001-016	14	ETL — Intraoffice Trunks — Offices with Master Test Frame
218-001-017	16	ETL — Interoffice Trunks — Offices with Master Test Frame
218-001-018	15	ETL — 1-Way Toll Trunks — Offices with Master Test Frame
218-001-019	16	ETL — 2-Way Toll Trunks — Offices with Master Test Frame
218-001-020	16	ETL — Miscellany Trunks — Offices with Master Test Frame
218-001-021	14	ETL — Junctors — Offices with Master Test Frame
218-001-022	11	ETL — Miscellaneous Equipment — Feature Circuits — Offices with Master Test Frame
218-001-023	5	ETL — Miscellaneous Equipment — Common Items — Offices with Master Test Frame
218-001-024	6	ETL — Miscellaneous — Traffic Register and Alarm — Offices with Master Test Frame
218-001-025	6	ETL — Miscellaneous Maintenance & Emergency — Offices with Master Test Frame
218-001-026	4	ETL — Miscellaneous Equipment — Supply — Offices with Master Test Frame
218-001-029	1	ETL — Wideband Circuits — Offices with Master Test Frame
218-001-030	1	ETL — Wideband Trunk — Offices with Master Test Frame

Number Issue Subject

**218-0 Indexes and Administrative Practices**

218-000-000	45	Numerical Index — Division 218 — No. 3, No. 5, and No. 5A Crossbar Offices
218-000-001	5	Alphabetical Index No. 5 Crossbar

**218-001 Controlled Maintenance Plan and Equipment Test Lists — MTF Offices**

218-001-006	1	Private Network — Switching Performance Measurement Plan
218-001-011	5	ETL — Connectors and Links — Offices with Master Test Frame
218-001-012	15	ETL — Markers — Offices with Master Test Frame

**218-002 Equipment Test Lists — OTF Offices**

218-002-017	15	ETL — Interoffice Trunks — Offices with Office Test Frame
218-002-018	3	ETL — 1-Way Toll Trunks — Offices with Office Test Frame
218-002-019	2	ETL — 2-Way Toll Trunks — Offices with Office Test Frame
218-002-020	5	ETL — Miscellaneous Trunks — Offices With Office Test Frame
218-002-024	2	ETL — Miscellaneous Equipment Common Items — Offices with Office Test Frame

Number	Issue	Subject	Number	Issue	Subject
<b>218-005 Equipment Test Lists — Automatic Call Distribution</b>			● 218-100-016	1	Operational Features — Phase III Centrex Service
218-005-014	8	Trunks — No. 5 Crossbar Systems	● 218-100-018	1	General Description — No. 3 Crossbar
<b>218-010 General Information</b>			● 218-100-020	1	General Description — No. 5A Crossbar
Addendum	1		● 218-100-022	1	Local Automatic Message Accounting — Computerized (LAMA-C)
218-012-301	6	Cross-Connection and Record Forms	● 218-100-300	1	General Descriptive Information — Electronic Translation System
218-013-301	3	Wire Types	● 218-100-310	1	General Description — Electronic Translation System
<b>218-040 Measurements</b>			● 218-100-320	1	Operational Features — Automatic Message Accounting — Electronic Translation System
● 218-040-020	1	General Description	● 218-100-322	1	Network Management — Electronic Translation System
Addendum	1		218-100-330	1	Systems Initialization — Electronic Translation System
● 218-040-022	2	Operation and Provisioning — Network Counters — No. 5 Crossbar	218-102-501	14	Line Verification — Tests Using Master Test Frame
● 218-040-024	1	Network Maintenance Register — Operation and Provision	218-102-502	9	Line Verification — Tests Using Line Verification Circuit SD-26181-01
218-040-030	1	Traffic Measurements — General Description — Electronic Translation System	218-103-101	1	Master Test Frame — Description
■ 218-040-031	1	Network Maintenance Register Operation and Provision — Electronic Translation System (ETS)	218-104-501	1	Traffic Sample Monitor and Test Circuit SD-27876-01 — Tests
<b>218-080 Evaluation Test Procedures</b>			218-105-301	3	Trouble Recorder Card Analysis and Trouble Location
218-080-116	1	Automatic Monitor, Register, and Sender Test Circuit — Evaluation Test Procedures — Service Improvement Guide	Addendum	2	
<b>218-099 Customer Information Release (CIR)</b>			218-105-302	3	No. 5 Crossbar — Trouble Reference Guide — Part 1 — Index
□ 218-099-001MG	1	No. 5/5A Crossbar Switch Outgoing Trunk Problem, Switching Systems	218-105-303	3	No. 5 Crossbar — Trouble Reference Guide — Part 2 — Bin Listings — A
<b>218-1/2 Offices with master test frame</b>			218-105-304	1	No. 5 Crossbar — Trouble Reference Guide - Part-3 — Bin Listings — B, C, D, E
<b>218-100 General System Information</b>			Addendum	1	
● 218-100-000	1	General Description — No. 5 Crossbar Offices	218-105-305	2	Trouble Reference Guide — Part 4 — Bin Listings — F
● 218-100-014	1	Operational Features — Automatic Message Accounting — AMA, LAMA, CAMA, and ANI	218-105-306	1	No. 5 Crossbar — Trouble Reference Guide - Part 5 — Bin Listings — G, H, I
			218-105-307	1	No. 5 Crossbar — Trouble Reference Guide - Part 6 — Bin Listings — J, K, L

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		218-105-333	1	No. 5 Crossbar — Trouble Reference Guide — Part 4 — Electronic Translation System Error Messages — Bin Listings — Data, DATSET, EM
218-105-308	1	No. 5 Crossbar — Trouble Reference Guide - Part 7 — Bin Listings — M	218-105-334	1	No. 5 Crossbar — Trouble Reference Guide — Part 5 — Electronic Translation System Error Messages — Bin Listings — IPC
218-105-309	2	No. 5 Crossbar — Trouble Reference Guide — Part 8 — Bin Listings — N, O	Addendum	1	
Addendum	1		218-105-335	1	No. 5 Crossbar — Trouble Reference Guide — Part 6 — Electronic Translation System Error Messages — Bin Listing — PEX-EC
218-105-310	1	No. 5 Crossbar — Trouble Reference Guide - Part 9 — Bin Listings — P, R	218-105-336	1	No. 5 Crossbar — Trouble Reference Guide — Part 7 — Electronic Translation System Error Messages — Bin Listings — SYSCAP, TAPE, TDC, TTY
218-105-311	2	No. 5 Crossbar — Trouble Reference Guide — Part 10 — Bin Listings — S, T	218-106-301	6	Circuit and Priming Information Selection for Master Test Frame
218-105-312	1	No. 5 Crossbar — Trouble Reference Guide — Part 11 — Bin Listings — U, V, W	218-107-501	2	Channel Tests — Using the Master Test Frame
218-105-313	1	No. 5 Crossbar — Trouble Reference Guide — Part 12 — Bin Listings — X, Y, Z	Addendum	1	
218-105-314	1	No. 5 Crossbar — Trouble Reference Guide — Part 2A — Bin Listings — AMA (Paper Tape)	218-111-501	3	Call Waiting Feature — Tests Using Master Test Frame
218-105-315	1	No. 5 Crossbar — Trouble Reference Guide — Part 2B — Bin Listings — AMA- Magnetic Tape	218-112-301	2	Line Link Frame — Nonwire-Spring-Relay Type — Cross Connections
218-105-316	1	No. 5 Crossbar — Trouble Reference Guide — Part 13 — Call Data Transmitter (CDT)	218-112-501	3	Line Link, Auxiliary Line Link, and Line Link Connector Frames — Nonwire- Spring-Relay Type — Tests
218-105-320	2	Trouble Reference Guide — Part 2C — Test Methods — No. 5 Crossbar	Addendum	1	
218-105-330	2	No. 5 Crossbar — Trouble Reference Guide — Part 1 — Electronic Translation System Error Messages — Index	218-112-503	8	Line Link, Auxiliary Line Link, and Transfer Line Link Circuits — Wire-Spring-Relay Type — Tests Using Master Test Frame — No. 5 Crossbar Offices
Addendum	1		218-113-501	8	Line Link Pulsing Line Circuits SD-27617-01, SD-27618-01, SD-27619-01, SD-27620-01, SD-27669-01, and SD-27942-01 — Tests Using Trunk Test Circuit SD-25918-01
218-105-331	1	No. 5 Crossbar — Trouble Reference Guide — Part 2 — Electronic Translation System Error Messages — Bin Listings — AMARC, Audit	218-113-502	5	Line Link Pulsing Line Circuits SD-27729-01 and SD-27730-01 — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices
Addendum	1				
218-105-332	1	No. 5 Crossbar — Trouble Reference Guide — Part 3 — Electronic Translation System Error Messages — Bin Listings — DAS, DAS10			

Number	Issue	Subject	Number	Issue	Subject
218-113-503	4	AIS Line Circuits SD-27892-01 and SD-27893-01 — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices — Not Arranged for Line Link Pulsing	218-122-506	2	Combined and Completing Marker Circuits — Part 6 — Tests Using Master Test Frame
218-114-501	3	Range Extender Unit SD-27806-01 — Tests Using Trunk Test Circuit SD-25918-01 and Test Termination Circuit SD-96540-01	218-122-507	3	Combined and Completing Marker Circuits — Part 7 — Tests Using Master Test Frame
218-114-701	2	Trunk Test Circuit SD-25918-01 — Insertion Loss Pad Adjustment for Manual Transmission Tests on Range Extender Units SD-27806-01	218-122-508	2	Combined and Completing Marker Circuits — Part 8 — Test Using Master Test Frame
218-115-301	3	Trunk Link and Connector Frame — Nonwire-Spring-Relay Type — Cross Connections	218-122-509	2	Combined and Completing Marker Circuits — Part 9 — Tests Using Master Test Frame
218-115-501	4	Trunk Link and Connector Circuits SD-25549-01 — Nonwire-Spring-Relay Type — Tests Using Master Test Frame	218-122-510	2	Combined and Completing Marker Circuits — Part 10 — Tests Using Master Test Frame
218-115-503	6	Trunk Link and Transfer Trunk Link Circuits — SD-26032-01, SD-27674-01, and SD-27879-01 — Wire-Spring-Relay Type — Tests Using Master Test Frame	218-122-511	3	Combined and Completing Marker Circuits — Part 11 — Tests Using Master Test Frame — No. 5 Crossbar Offices
218-120-501	11	Dial Tone Marker Circuits — Tests Using Master Test Frame	218-122-512	2	Combined and Completing Marker Circuits — Part 12 — Tests Using Master Test Frame
218-120-502	2	Dial Tone Circuits — Tests Using Master Test Frame — No. 5 Crossbar Offices — Arranged With ETS	Addendum	1	
218-122-301	1	Marker — Alarm Routine	218-122-513	4	Combined and Completing Marker Circuits — Part 13 — Tests Using Master Test Frame — No. 5 Crossbar Offices
218-122-500	3	Combined and Completing Marker — Index — Using Master Test Frame	218-122-514	3	Combined and Completing Marker Circuits — Part 14 — Tests Using Master Test Frame
218-122-501	12	Combined Marker Circuits — Part 1 — Tests Using Master Test Frame	218-122-515	2	Combined and Completing Marker Circuits — Part 15 — Tests Using Master Test Frame
218-122-502	9	Combined and Completing Marker Circuits — Part 2 — Tests Using Master Test Frame	218-122-516	2	Combined and Completing Marker Circuits — Part 16 — Tests Using Master Test Frame
218-122-503	3	Combined and Completing Marker Circuits — Part 3 — Tests Using Master Test Frame	218-122-517	2	Combined and Completing Marker Circuits — Part 17 — Tests Using Master Test Frame
218-122-504	3	Combined and Completing Marker Circuits — Part 4 — Tests Using Master Test Frame	218-122-518	2	Combined and Completing Marker Circuits — Part 18 — Tests Using Master Test Frame
218-122-505	2	Combined and Completing Marker Circuits — Part 5 — Tests Using Master Test Frame	218-122-519	2	Combined and Completing Marker Circuits — Part 19 — Tests Using Master Test Frame
			218-122-520	3	Combined and Completing Marker Circuits — Part 20 — Tests Using Master Test Frame
			218-122-521	2	Combined and Completing Marker Circuits — Part 21 — Tests Using Master Test Frame

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		Addendum	1	
218-122-522	3	Combined and Completing Marker Circuits — Part 22 — Tests Using Master Test Frame — No. 5 Crossbar Offices	218-122-534	1	Completing Marker Circuits — Part 34 — Tests Using Master Test Frame — No. 5 Crossbar Offices Arranged With Cable Data Transmitter
Addendum	1		Addendum	1	
218-122-523	3	Combined and Completing Marker Circuits — Part 23 — Tests Using Master Test Frame — No. 5 Crossbar Offices	218-122-550	3	Combined and Completing Markers — Miscellaneous Tests
218-122-524	2	Combined and Completing Marker Circuits — Part 24 — Tests Using Master Test Frame — No. 5 Crossbar Offices	218-122-551	2	Completing Marker Circuits SD-28122-01 — Miscellaneous Tests Arranged With Electronic Translation System — No. 5 Crossbar Offices
218-122-525	2	Combined and Completing Marker Circuits — Part 25 — Tests Using Master Test Frame — No. 5 Crossbar Offices	218-124-501	4	Traffic Sampling Circuit SD-27681-01 — Test Using Master Test Frame
218-122-526	2	Combined and Completing Marker Circuits — Part 26 — Tests Using Master Test Frame	218-124-502	1	Trunk Group Traffic Sample Circuit SD-27826-01
218-122-527	2	Combined and Completing Marker Circuits — Part 27 — Tests Using Master Test Frame	Addendum	1	
218-122-528	3	Combined and Completing Marker Circuits — Part 28 — Tests Using Master Test Frame	218-125-501	6	Marker Connectors — Nonwire-Spring- Relay Type — Tests
Addendum	1		218-130-501	5	Regular Pretranslator SD-25568-01 — Tests Using Master Test Frame
218-122-529	3	Combined and Completing Marker Circuits — Part 29 — Tests Using Master Test Frame — No. 5 Crossbar Offices	218-130-502	1	IDDD Pretranslator SD-27849-01 — Tests Using Master Test Frame
218-122-530	2	Combined and Completing Marker Circuits — Part 30 — Tests Using Master Test Frame — No. 5 Crossbar Offices	218-131-501	2	Incoming Register Pretranslator SD-27969-01 — Tests Using Master Test Frame
Addendum	1		218-135-301	1	Automatic Monitor Trouble Recorder Cards Associated With Originating Registers — Analysis
218-122-531	4	Combined and Completing Marker Circuits — Part 31 — Tests Using Master Test Frame — No. 5 Crossbar Offices	Addendum	1	
Addendum	1		218-135-501	11	Originating Registers SD-26040-01 and SD-25551-01 — Dial Pulse or Touch- Tone Calling — Tests — Using Automatic Monitor, Register, and Sender Test Circuit SD-25680-01
218-122-532	3	Combined and Completing Marker Circuits — Part 32 — Tests Using Master Test Frame	Addendum	1	
218-122-533	1	Completing Marker Circuits — Part 33 — Test Using Master Test Frame	218-135-503	12	Originating Registers SD-26040-01 and SD-25551-01 — Dial Pulse or Touch- Tone Calling — Tests Using Test Set SD-25676-01 (J24756B)
			218-137-501	8	Dial Pulse Incoming Registers SD-25729-01 and SD-26041-01 — Tests Using Automatic Monitor, Register, and Sender Test Circuit SD-25680-01

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		218-147-501	2	Incoming Register Link Circuits — Nonwire-Spring-Relay Type — Tests
218-137-503	7	Dial Pulse Incoming Registers SD-25729-01 and SD-26041-01 — Tests Using Test Set SD-25676-01 (J24756B)	218-150-501	9	Dial Pulse Outgoing Senders SD-25579-01 and SD-26050-01 — Tests — Using Automatic Monitor, Register and Sender Test Circuit — No. 5 Crossbar Offices
218-139-501	4	Revertive Pulse Incoming Registers SD-26043-01 and SD-25731-01 — Tests Using Automatic Monitor, Register and Sender Test Circuit	218-150-502	6	Dial Pulse Outgoing Senders for Line Link Pulsing — Tests Using Automatic Monitor, Register, and Sender Test Circuit
218-139-503	3	Revertive Pulse Incoming Register SD-25731-01, SD-26043-01 — Tests Using Test Set SD-25676-01 (J24756B)	218-150-503	7	Dial Pulse Outgoing Senders SD-25579-01 and SD-26050-01 — Tests — Using Sender Test Set SD-25674-01 (J24756A)
218-139-505	3	Revertive Pulse Incoming Register SD-25565-01 — Tandem Operation — Tests Using Test Set SD-25676-01 (J24756B)	218-150-504	5	Dial Pulse Outgoing Senders — For Line Link Pulsing — Tests Using Sender Test Set SD-25674-01 (J24756A) — No. 5 Crossbar Offices
218-139-506	2	Central B Revertive Pulse Incoming Registers — Tests Using Master Test Frame	218-152-501	5	PCI Outgoing Senders SD-25733-01 and SD-26053-01 — Tests Using the Automatic Monitor, Register and Sender Test Circuit SD-25680-01
218-139-507	1	Revertive Pulse Incoming Register for Use With Central B Switchboard — Tests Using Test Set SD-25676-01 (J24756B)	218-152-503	5	PCI Outgoing Senders SD-25733-01 and SD-26053-01 — Tests Using Sender Test Set SD-25674-01 (J24756A)
218-139-508	5	Revertive Pulse Interrupter of Incoming Registers — Tests	218-154-501	6	Revertive Pulse Outgoing Senders SD-25732-01 and SD-26052-01 — Tests Using the Automatic Monitor, Register, and Sender Test Circuit SD-25680-01
218-143-501	9	Multifrequency Incoming Registers SD-25730-01 and SD-26042-01 — Tests Using Automatic Monitor, Register, and Sender Test Circuit SD-25680-01	218-154-503	6	Revertive Pulse Outgoing Senders SD-25732-01 and SD-26052-01 — Tests Using Sender Test Set SD-25674-01 (J24756A)
218-143-503	6	Multifrequency Incoming Registers SD-25730-01 and SD-26042-01 — Tests — Using Test Set SD-25676-01 (J24756B)	218-156-501	13	Multifrequency Outgoing Senders SD-26051-01 and SD-25580-01 — Tests Using the Automatic Monitor, Register, and Sender Test Circuit SD-25680-01 — No. 5 Crossbar Offices
218-145-501	7	Group-Busy Circuits for Originating, Incoming, Transfer Registers and for Senders — Tests Using Master Test Frame	218-156-502	4	AIS Outgoing Sender SD-27882-01 — Tests Using Automatic Monitor, Register, and Sender Test Circuit SD-25680-01 — No. 5 Crossbar Offices Without Line Link Pulsing
218-145-502	1	Traffic Register Circuits — Group-Busy Features for Originating, Incoming, and Transfer Registers and for Senders — Tests			
218-147-301	2	Incoming Register Link — Nonwire-Spring-Relay Type — Cross Connections			
218-147-302	1	Incoming Register Link Frames — Taking Equipment Out of Service			

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		218-165-302	1	Number Group and Connector Frame — Alarm Routine
218-156-503	9	Multifrequency Outgoing Senders SD-26051-01 and SD-25580-01 — Tests — Using Sender Test Set SD-25674-01 (J24756A) — No. 5 Crossbar Offices	218-165-303	2	Number Group and Connector Frame — Taking Equipment Out of Service
218-156-504	4	Automatic Intercept System Outgoing Sender SD-27882-01 — Tests Using Sender Test Set SD-25674-01 (J24756A) — Not Arranged for Line Link Pulsing	218-165-304	4	Number Group Frame — Nonwire-Spring- Relay Type — Cross-Connection Methods
218-158-501	6	Intermarker Group Sender SD-25826-01 — Tests Using Marker Test Frame	Addendum	1	
218-160-501	8	Outgoing Sender Connector SD-26057-01, SD-26059-01, or SD-25587-01 and Outgoing Sender Link Circuit SD-25734-01 or SD-27628-01 — Tests — No. 5 Crossbar Offices	218-165-501	5	Number Group and Connector Circuit — Nonwire-Spring-Relay Type — Tests
218-160-502	2	Outgoing Sender Connector SD-27888-01 and Outgoing Sender Line Connector SD-27889-01 for Automatic Intercept System — Tests Using Master Test Frame — Not Arranged for Line Link Pulsing	Addendum	1	
218-161-301	2	FSP Signaling Transmitting Circuit — (SD- 99300-01) (SD-99718-01) — Locating Trouble	218-165-503	4	Number Group Circuits — Wire-Spring- Relay Type — Tests
218-161-302	3	FSP Signaling Receiving Circuit — (SD- 99301-01, SD-99719-01) — Locating Trouble	218-170-501	6	Translator Circuits SD-25754-01 and SD-26019-01 — Tests Using Master Test Frame — Arranged for LAMA, ANI, or CDT
218-161-305	1	FSP Transmitter-Receiver Test Circuit — SD-99317-01 — Locating Trouble	Addendum	1	
218-161-503	2	Frequency Shift Pulsing Outgoing Senders SD-27624-01 — Tests Using Sender Test Set SD-25674-01 (J24756A)	218-170-502	4	Translator SD-99319-01 — Tests Using Master Test Frame — No. 5 Crossbar Offices — Arranged for AIOD
218-161-603	1	Frequency Shift Pulsing Outgoing Registers — Tests Using Test Set SD-25676-01 (J24756B)	Addendum	1	
218-165-301	8	Number Group Frame — Nonwire-Spring- Relay Type — Cross Connections and Associated Cross Connections at the Main Distributing Frame — No. 5 Crossbar Offices	218-171-501	1	Direct Access Pretranslator Connector Circuit SD-27801-01 — Tests Using Master Test Frame
			Addendum	1	
			218-172-501	13	LAMA Transverter SD-25591-01 — Tests Using Master Test Frame — No. 5 Crossbar Offices
			218-172-503	9	LAMA Transverter SD-25591-01 — Miscellaneous Tests — No. 5 Crossbar Offices
			218-173-501	4	LAMA Transverter SD-27809-01 — Tests Using Master Test Frame — No. 5 Crossbar Offices — Arranged for AMA Magnetic Tape Recording
			218-173-502	2	LAMA Transverter SD-27809-01 — Miscellaneous Tests — No. 5 Crossbar Offices Arranged for AMA Magnetic Tape Recording
			218-174-501	9	Recorder and Recorder Connector Circuits SD-25872-01 — Tests — No. 5 Crossbar Offices — Arranged for LAMA or CAMA Paper Tape



Number	Issue	Subject	Number	Issue	Subject
218-175-501	4	Trunk Control Circuit SD-94810-01 — Tests Using Master Test Frame — Arranged for AMA Magnetic Tape Recording	218-198-502	2	Call Identity Indexer SD-25621-01 — Tests Using Master Test Frame — No. 5 Crossbar Offices — Arranged for AMA Magnetic Tape Recording
218-176-501	4	Call Identity Indexer SD-94809-01 — Tests Using Master Test Frame — No. 5 Crossbar Offices — Arranged for AMA Magnetic Tape Recording	218-201-501	6	Coin Supervisory and Coin Supervisory Concentrating Circuits — Tests Using Trunk Test Circuit SD-25918-01
218-178-501	8	CAMA Transverter SD-26010-01 — Tests Using Master Test Frame — No. 5 Crossbar Offices	218-202-501	4	Coin Supervisory Release Circuit SD-25859-01 — Tests Using Master Test Frame
218-178-503	3	Transverter SD-26010-01 — Miscellaneous Tests	218-203-301	2	Coin Supervisory Link Frame — Cross-Connections
218-179-501	3	CAMA Transverter Connectors SD-26011-01 — Tests	218-203-302	1	Coin Supervisory Link Frames — Taking Equipment Out of Service
218-180-501	6	CAMA Sender SD-26056-01 — Tests Using Test Set SD-25676-01 (J24756B) — No. 5 Crossbar Offices	218-203-501	4	Coin Supervisory Link Circuits — Nonwire-Spring-Relay Type — Tests
218-181-501	5	CAMA Billing Indexer SD-26012-01 — Tests Using Master Test Frame — No. 5 Crossbar Offices	218-209-501	2	Dial Coin Zone Concentrators — Tests
218-182-501	5	CAMA Position Link Circuit SD-26047-01 — Tests	218-216-501	7	Master Test Frame Connector SD-25805-01 — Preference and Lockout Chains — Tests — No. 5 Crossbar Offices
218-183-501	4	CAMA Junctor Circuit SD-26102-01 — Tests Using Trunk Test Circuit SD-25918-01	218-216-502	4	Master Test Frame Connector SD-27718-01 — Preference and Lockout Chains — Tests — No. 5 Crossbar Offices
218-184-501	4	CAMA Incoming Trunk Circuits — Tests Using Trunk Test Circuit SD-25918-01	218-217-301	3	Monitor Amplifiers of the Automatic Monitor, Register and Sender Test Circuit — Operating Methods
218-185-501	2	CAMA Intermarker Group Trunk Circuits — Tests Using Trunk Test Circuit SD-25918-01	218-217-701	3	Touch-Tone Oscillators Used in Automatic Monitor, Register, and Sender Test Circuit SD-25680-01 — Adjustment
218-186-501	3	CAMA Suspension Circuit SD-26017-01 — Tests	218-218-501	1	KS-13834 Perforator and Trouble Recorder Circuit — Tests Using Trouble Recorder Test Circuit SD-25682-01
218-187-501	2	Peg Count Registers for CAMA Initial Entries — Tests Using Master Test Frame	218-218-502	5	KS-13834 Perforator and Trouble Recorder Circuit — Tests
218-188-501	3	CAMA Calls Waiting Signal Circuit — Tests	218-219-301	1	Time of Day — Alarm Routine
218-189-501	1	CAMA Line Observing Number Matching Circuit — Tests	218-219-302	1	Time of Day Circuit — Taking Equipment Out of Service
Addendum	2		218-219-501	1	Time of Day Circuit — Tests
218-192-501	4	ANI Transverter SD-26161-01 — Tests Using Master Test Frame	218-220-301	14	Compiling Data for Control Tapes for Operational Trunk Tests — Using Automatic Progression Trunk Test Frame
218-198-501	3	Call Identity Indexer Circuit SD-25621-01 — Tests Using Master Test Frame			

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		218-232-501	12	Traffic Register Lead Index — No. 5 Crossbar Offices — Equipped With Master Test Frame
218-220-302	11	Preparation of Control Tapes for Operational Trunk Tests — Using Automatic Progression Trunk Test Frame — No. 5 Crossbar Offices	218-232-502	4	Traffic Registers — Part 1 — Tests Using Master Test Frame
218-220-303	7	Compiling Data for Control Tapes — For Transmission Testing of Trunks Using Automatic Progression Trunk Test Frame and Automatic Transmission Measuring System	218-232-503	2	Traffic Registers — Part 2 — Tests Using Master Test Frame
218-220-304	4	Preparation of Control Tapes for Transmission Testing of Outgoing Trunks — Automatic Progression Trunk Test Frame and Automatic Transmission Measuring System	218-232-504	4	Traffic Registers — Part 3 — Tests Using Master Test Frame
Addendum	1		218-232-505	4	Traffic Registers — Part 4 — Tests Using Master Test Frame
218-220-701	4	Automatic Progression Trunk Test Circuit SD-25938-01 — Build-Out Resistor Assembly Adjustment	Addendum	1	
218-224-501	1	Auxiliary Line Circuit SD-99484-01 for Off-Net Access Service — Tests Using Trunk Test Circuit SD-25918-01	218-232-506	4	Traffic Registers — Part 5 — Tests Using Master Test Frame
218-225-501	4	Emergency Line Circuits — Tests	218-232-507	2	Traffic Registers — Part 6 — Tests Using the Master Test Frame
218-226-501	2	Emergency Transfer Circuit — Dial to Manual Service — Tests	218-232-508	3	Traffic Registers — Part 7 — Tests Using Master Test Frame
218-227-501	8	Auxiliary Line and Line Auxiliary Circuits Serving One Office — Tests Using Master Test Frame — No. 5 Crossbar Offices	Addendum	1	
218-227-502	2	Auxiliary Line Circuits Serving More Than One Office in the Same Building — Tests	218-232-509	3	Traffic Registers — Part 8 — Tests Using Master Test Frame
218-228-501	1	Auxiliary Line and Allotter Circuit — Wide Area Data Service — Tests	218-232-510	3	Traffic Registers — Part 9 — Tests Using Master Test Frame
218-229-501	1	Dial Long Line Circuits — Coin — Wire-Spring-Relay Type — Tests	218-232-511	2	Traffic Registers — Part 10 — Tests Using Master Test Frame
218-230-501	2	Dial Long Line Circuits — 2-Party Message Rate — Wire-Spring-Relay Type — Tests Using Master Test Frame	Addendum	1	
218-231-501	3	Station Ringer Test Circuits SD-25861-01, SD-25927-01, and SD-26109-01 — Tests Using Trunk Test Circuit SD-25918-01	218-232-512	2	Traffic Registers — Part 11 — Tests Using Master Test Frame
			Addendum	1	
			218-232-513	3	Traffic Registers — Part 12 — Tests Using Master Test Frame
			218-232-514	4	Traffic Registers — Part 13 — Tests Using Master Test Frame
			218-232-515	4	Traffic Registers — Part 14 — Tests Using Master Test Frame
			218-232-516	6	Traffic Registers — Part 15 — Test Using Master Test Frame — No. 5 Crossbar Offices
			218-232-517	3	Traffic Registers — Part 16 — Tests Using Master Test Frame
			Addendum	1	
			218-232-519	2	Traffic Registers — Part 17 — Tests Using Master Test Frame
			Addendum	1	
			218-232-520	1	Traffic Registers — Part 18 — Tests Using Master Test Frame
			218-232-521	2	Traffic Registers — Part 14 — Tests Using Master Test Frame

Number	Issue	Subject	Number	Issue	Subject
218-232-522	3	Traffic Registers — Part 20 — Tests Using Master Test Frame	218-233-515	2	Plant Registers — Part 15 — Test Using Master Test Frame
Addendum	1		218-233-516	2	Plant Registers — Part 16 — Tests — No. 5 Crossbar Offices
218-232-523	1	Traffic Registers — Part 21 — Tests Using Master Test Frame	Addendum	1	
Addendum	1		218-233-517	1	Plant Registers — Part 17 — Tests Using Master Test Frame
218-232-525	3	Traffic Registers — Part 22 — Tests Using Master Test Frame	218-234-501	1	Message Timing Circuits SD-27542-01 — Tests for Metered Lines and Trunks
Addendum	1		218-235-501	1	Message Register Pulsing Junction Circuit SD-28108-01 — Auxiliary Line Circuit for Remote Message Registration SD-28109-01 — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices
218-232-527	2	Traffic Registers — Part 23 — Tests Using Master Test Frame	218-237-301	1	60 and 120 IPM Interrupter Circuits — Alarm Routine
Addendum	1		218-237-302	1	60 and 120 IPM Interrupter Circuits — Taking Equipment Out of Service
218-232-530	1	Traffic Registers — Part 24 — Tests Using Master Test Frame	218-237-501	4	60- and 120-IPM Interrupter Circuit SD-25742-01 — Tests
218-232-531	1	Traffic Registers — Part 25 — Tests	218-238-501	3	30-IPM Interrupter Circuit SD-27637-01 — Tests
218-233-000	7	Plant Register Index — Tests	218-239-501	1	Interrupter Circuit SD-27510-01 — Tests
Addendum	1		218-240-301	5	Trunk Testing Procedures Using Automatic Recycle Feature of Trunk Test Circuit SD-25918-01
218-233-501	8	Plant Registers — Part 1 — Tests Using Master Test Frame	218-245-501	5	Customer Line and Outgoing Trunk Conductors — Voltmeter Tests Using Master Test Frame
218-233-502	1	Plant Registers — Part 2 — Tests Using Master Test Frame	218-246-501	6	Trunk Transmission Tests — Circuits Terminated on Trunk Link Frame Using Master Test Frame
Addendum	2		218-246-502	3	Trunk Transmission Tests — Circuits Terminated on Line Link Frame Using Master Test Frame — No. 5 Crossbar Offices
218-233-503	1	Plant Registers — Part 3 — Tests Using Master Test Frame	218-246-503	2	Manual Trunk Transmission Tests Using Remote Office Test Line
218-233-504	2	Plant Registers — Part 4 — Tests Using Master Test Frame	218-246-506	1	Trunk Transmission Tests — Circuits Terminated at Commercial ACD — Using Master Test Frame — No. 5 Crossbar Offices
218-233-505	1	Plant Registers — Part 5 — Tests Using Master Test Frame	218-246-701	1	Transmission Test Pads — MTF Trunk Test Circuit SD-25918-01 — Adjustments
218-233-506	2	Plant Registers — Part 6 — Tests Using Master Test Frame			
218-233-507	2	Plant Registers — Part 7 — Tests Using Master Test Frame			
Addendum	1				
218-233-508	1	Plant Register — Part 8 — Tests Using Master Test Frame			
218-233-509	2	Plant Registers — Part 9 — Tests Using Master Test Frame			
218-233-510	2	Plant Registers — Part 10 — Tests Using Master Test Frame			
218-233-511	3	Plant Registers — Part 11 — Tests Using Master Test Frame			
218-233-512	1	Plant Registers — Part 12 — Tests Using Master Test Frame			
218-233-513	1	Plant Registers — Part 13 — Tests Using Master Test Frame			
218-233-514	2	Plant Registers — Part 14 — Tests Using Master Test Frame			

Number	Issue	Subject	Number	Issue	Subject
218-247-501	11	Intraoffice Trunk Circuits — Tests Using Trunk Test Circuit SD-25918-01	218-259-501	3	2-Way Operator Office Trunk Circuit SD-27593-01 — Tests Using Trunk Test Circuit SD-25918-01 and No. 1, 3, 3C, or 3CL Toll Switchboards
218-248-301	1	Trunk Operational Test — Remote Office Test Line	218-260-501	2	No. 101 ESS™ Central Office Trunk Circuit SD-1H077-01 — Tests Using Trunk Test Circuit SD-25918-01
218-249-501	4	Intermarker Group Trunks — Subscriber to Trunk — Tests Using Trunk Test Circuit SD-25918-01	218-262-501	11	Trunk Operational Tests — Using Automatic Progression Trunk Test Circuit SD-25938-01
218-249-502	5	Intermarker Group Trunks — Subscriber to Subscriber — Tests Using Trunk Test Circuit SD-25918-01	218-262-502	5	Transmission Tests — Using Automatic Progression Trunk Test Circuit SD-25938-01 and Automatic Transmission Measuring System
218-249-503	3	Intermarker Group Trunks — Trunk to Subscriber — Tests Using Trunk Test Circuit SD-25918-01	218-262-503	1	Manual Trunk Transmission Tests — Using Automatic Progression Trunk Test Circuit SD-25938-01 — No. 5 Crossbar Offices
Addendum	1		218-263-501	4	Junctor Circuit SD-27713-01 for Use as Off-Net Access Line — Tests Using Trunk Test Circuit SD-25918-01
218-251-501	11	Incoming Trunk Circuit — Non-centrex — Tests Using Master Test Frame (MTF) — No. 5 Crossbar Offices	218-264-501	5	Outgoing Announcement Trunks — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices
218-251-502	1	Incoming Trunk Circuits — Centrex — Tests Using Trunk Test Circuit SD-25918-01	218-265-501	3	Auxiliary Outgoing Trunk — SD-26084-01 — Tests Using Trunk Test Circuit SD-25918-01
218-252-501	5	Incoming Intertoll and Incoming Features of 2 Way Intertoll Trunks — Tests Using Trunk Test Circuit SD-25918-01	218-266-501	3	Auxiliary Outgoing Trunks SD-25851-01 and SD-25852-01 for Use With Ringdown Intertoll Trunks — Tests Using Trunk Test Circuit SD-25918-01
218-253-501	3	Incoming Trunks — Tests Using Manual Outgoing Trunk Test Circuit SD-95476-01	218-267-501	8	Auxiliary Outgoing Trunks and Toll Switching Trunks — Tests Using Master Test Frame
218-254-501	6	Toll Switching Trunks, Operator Completing Trunks, and Operator Junctor Circuits From No. 1, 3, 3C, or 3CL Toll Switchboards in Same Building — Tests	Addendum	1	
218-257-501	5	2-Way Intertoll Trunk Circuits SD-27654-01 — Tests Using Trunk Test Circuits SD-25918-01 — No. 5 Crossbar Offices	218-268-501	9	Outgoing Intertoll Trunks — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices
218-257-502	4	2-Way Intertoll Trunk Circuits SD-27655-01 — Tests Using Trunk Test Circuit SD-25918-01	218-269-501	4	Outgoing Trunks for Intertoll Completion
218-258-501	8	2-Way Trunks to Community Dial Offices — Tests Using Trunk Test Circuit SD-25918-01	218-270-501	4	Combination Outgoing and Toll Switching Trunks — Tests Using Trunk Test Circuit SD-25918-01
218-258-502	1	2-Way Trunk SD-25667-01 — Arranged for Use With 23-Type Desk and 3C or 3CL Switchboard			

Number	Issue	Subject	Number	Issue	Subject
218-271-501	11	Outgoing Trunk and Junctor Circuits — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices	218-279-501	7	Reverting Call Trunks — Tests Using Trunk Test Circuit SD-25918-01
218-271-504	4	Outgoing Trunk Circuit SD-27712-01 to Off-Net Access Line — Tests Using Trunk Test Circuit SD-25918-01	218-280-501	9	Outgoing Information, Outgoing Repair Service, Outgoing Official PBX, Common Overflow, Tone, and Associated Auxiliary Trunks From Trunk Link Frame — Tests Using Trunk Test Circuit SD-25918-01
218-272-501	4	Outgoing Intertoll Trunk Circuits and Outgoing Portion of Intraoffice Arrangements per ES-27601-01 for Data Service — Tests Using Trunk Test Circuit SD-25918-01	218-280-502	2	Outgoing Trunk Circuit for Information Service SD-28080-01 — Tests Using Master Test Frame
218-273-501	5	Outgoing Trunks — Tests Using Manual Outgoing Trunk Test Frame SD-95476-01 — No. 5 Crossbar Offices	218-282-501	8	Recording Completing, Special Service, Intercepting, and Associated Auxiliary Trunks From Trunk Link Frame — Tests Using Master Test Frame
218-274-501	2	Incoming Intertoll Trunks and Incoming Portion of Intraoffice Arrangements per ES-27601-01 — Tests Using Trunk Test Circuit SD-25918-01	218-283-501	10	Verification Request, Intercepting, Official PBX, Information, and Repair Service Trunks and Intercept Junctors From Line Link Frame — Tests Using Master Test Frame
218-275-501	5	Junctor Circuit SD-27725-01 — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices	218-284-501	5	Trunks to Local Test Desk No. 14, Local Test Cabinet No. 3, and Associated Auxiliary Trunks — Tests Using Trunk Test Circuit SD-25918-01
218-277-501	2	Remote Line Circuit SD-27858-01 — Tests Using Trunk Test Circuit SD-25918-01	218-285-501	7	Free Trunks and Associated Auxiliary Trunks — Tests Using Trunk Test Circuit SD-25918-01
218-277-502	4	2-Way Trunk Circuit SD-27836-01 for Off-Net Access Service — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices	218-286-301	2	Permanent Signal Holding Trunk, Concentrating, Timing and Associated Auxiliary Trunk Circuits — Taking Equipment Out of Service
218-277-503	2	Attendant Trunk Circuit SD-27838-01 for Remote Attendant — Test Using Test Circuit SD-25918-01 — No. 5 Crossbar Offices	218-286-501	8	Permanent Signal Holding Trunk, Concentrating, Timing, and Associated Auxiliary Trunk Circuits — Tests Using Trunk Test Circuit SD-25918-01
218-277-504	2	Attendant Access Trunk SD-27851-01 for Use With 608A Switchboard — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices	218-286-502	2	Trunk Appearance Circuit SD-27156-01 and Overflow Links Associated With Overflow Trunk Circuit SD-27155-01 for Use With Permanent Signal Expanded Routing — Tests Using Master Test Frame
218-277-505	3	Attendant Access Trunk Circuit SD-27857-01 for Use With Console (CCSA) — Tests Using Trunk Test Circuit SD-25918-01	218-287-501	1	No-Such-Number Signal Tone Trunks — Tests Using Trunk Test Circuit SD-25918-01
218-277-506	3	Outgoing Intertoll Trunk Circuit SD-27878-01 for Off-Net Access Service — Tests Using Trunk Test Circuit SD-25918-01			

Number	Issue	Subject	Number	Issue	Subject
218-288-501	2	No-Circuit Signal Trunks SD-26158-01 — Tests Using Trunk Test Circuit SD-25918-01	218-325-501	2	Conference Control Circuit and Auxiliary Conference Control Circuit — Tests Using Test Position Circuit SD-27589-01 and Trunk Test Circuit SD-25918-01 — Arranged for Phases II and III Centrex
218-289-501	8	Outgoing Trunks to Traffic Service Position (TSP) or Traffic Service Position System (TSPS) No. 1 — Tests Using Trunk Test Circuit SD-25918-01	218-326-501	1	Calls-Waiting Signal Circuit SD-27653-01 — Tests — Arranged for Phase II or III Centrex
218-290-501	2	Stuck Coin Trunks SD-25763-01 — Tests Using Trunk Test Circuit	Addendum	1	
218-291-501	3	Dial Coin Zone — Outgoing Trunk or Junctor Circuit SD-26078-01 — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices	218-327-501	3	Line Busy Verification Trunk Circuit SD-27812-01 — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase I, II, or III Centrex
<b>218-3 Centrex Offices</b>			218-328-501	2	Access Group Controller Circuit SD-27748-01 — Tests — Arranged for Phases I, II, and III Centrex
218-320-501	3	Attendant Access Trunk SD-27583-01, SD-27937-01 — Tests Using Test Position Circuit SD-27589-01 or SD-27695-01 — Arranged for Phase II or III Centrex	Addendum	1	
218-321-501	4	Attendant Trunk Circuit SD-27582-01 — For Use With Console Operation — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase II Centrex	218-329-501	1	Touch-Tone Calling Signal to Dial Pulse Converter Circuit ES-26505-01 — Tests Using Converter Test Circuit ES-26508-01 Arranged for Phase I, II, and III Centrex
218-322-501	5	Attendant Trunk Circuit SD-27622-01 for Use With 608A Switchboard — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase II Centrex	218-330-701	2	High Impedance Tone Generator SD-27825-01 — Adjustment — Arranged for Phase I, II, or III Centrex
218-322-502	3	Attendant Trunk Circuits SD-27721-01 and SD-27722-01 for Use With 608A Switchboard — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase III Centrex	218-331-501	2	Intraoffice Trunk Circuit SD-27579-01 — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices
218-323-501	5	Position Link Circuit SD-26185-01 — Miscellaneous Tests — Arranged for Phases I, II, and III Centrex	218-332-501	2	Intraoffice Trunk Circuits SD-27685-01 — Tests Using Trunk Test Circuit SD-25918-01
218-324-501	6	Position and Position Loop Circuit SD-27589-01 — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase II Centrex Manual Transfer	218-340-501	4	Attendant Trunk SD-27689-01 for Use With Console Operation — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase III Centrex
			218-341-501	3	2-Way Trunk Circuit SD-27865-01 — Arranged for Console Operation — Tests Using Trunk Test Circuit SD-25918-01
			218-341-502	2	2-Way Trunk Circuit SD-27865-01 Arranged for 608A Switchboard Operation — Tests Using Trunk Test Circuit SD-25918-01

Number	Issue	Subject	Number	Issue	Subject
218-342-501	2	Auxiliary Outgoing Trunk Circuit ES-26289-01 — Tests	Addendum	1	
218-343-501	2	Night Answering Trunk SD-27682-01 — Tests Using Master Test Frame	218-352-501	6	Position and Position Loop Circuit SD-27695-01 — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase III Centrex
218-344-501	4	Transfer Trunk Circuits SD-27688-01 — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase III Centrex	218-353-501	3	Line Circuit SD-27945-01 — Tests Using the Master Test Frame Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices — Arranged for Phase III Centrex — Centralized Attendant Operation
218-346-501	6	Transfer Register SD-27667-01 — Dial Pulse or Touch-Tone Signaling Tests Using Automatic Monitor, Register and Sender Test Circuit SD-25680-01 — Arranged for Phase III Centrex	218-353-502	2	Line Circuit SD-27896-01 — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase III Centrex — Centralized Attendant Operation
Addendum	1		218-353-503	2	Attendant Line Circuit — SD-26378-01 — Tests Using Master Test Frame Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices — Centralized Attendant Operation
218-346-502	4	Transfer Register SD-27667-01 — Dial Pulse or Touch-Tone Signaling Tests Using Test Set SD-25676-01 — Arranged for Phase III Centrex	218-354-501	1	Attendant Outgoing Trunk Circuit — SD-26380-01 — Tests Using Master Test Frame Trunk Test Circuit — SD-25918-01 — Arranged for Phase III Centrex — Centralized Attendant Operation
218-346-503	2	Station Dial Transfer Register SD-27667-01 — Dial Pulse or Touch-Tone Signaling Tests Using Test Set SD-25676-01 — Arranged for Phase I and II Centrex	218-355-502	3	Incoming Trunk Circuit SD-27897-01 — Test Using Master Test Frame Trunk Test Circuit SD-25918-01 — Arranged for Phase III Centrex — Centralized Attendant Operation
218-346-504	2	Transfer Register SD-27667-01 — Dial Pulse or Touch-Tone Signaling Tests Using Automatic Monitor, Register and Sender Test Circuit SD-25680-01 — Arranged for Phase I and II Centrex	218-355-503	1	Attendant Incoming Trunk — SD-26379-01 — Tests Using Master Test Frame Trunk Test Circuit SD-25918-01 — Arranged for Phase II Centrex Centralized Attendant Operation
218-347-501	2	Dial Transfer Trunk Circuits SD-27668-01 — Tests Using Trunk Test Circuit ES-26285-01 or SD-25918-01 — Arranged for Phase I or Phase II Centrex	218-355-504	1	Attendant Incoming Trunk — SD-26381-01 — Tests Using Master Test Frame Trunk Test Circuit — SD-25918-01 — Arranged for Phase III Centrex Centralized Attendant Operation
218-348-501	2	Transfer Register Identifier Connectors — Tests — Arranged for Phase III Centrex	218-357-501	1	2-Way Intertoll Trunk Circuit SD-28126-01 — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices — Arranged for Phase III Centrex
218-349-501	2	Transfer Register Link Circuits — Tests			
218-350-501	3	Transfer Line Identifier and Connector Circuit — SD-27690-01 — and Line Identifier Power Supply Circuit — Tests Using Master Test Frame — Arranged for Phase III Centrex			

Number	Issue	Subject	Number	Issue	Subject
218-357-502	1	2-Way Intertoll Trunk Circuit SD-28126-01 — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices — Arranged for Phase II Centrex	218-399-515	1	Attendant Loop Circuit ES-65843-01 — For Use With Modified 608A Switchboard — Tests — Arranged for Phase I Centrex
218-399-501	4	Incoming Trunk Circuits — Tests Using Trunk Test Circuit ES-26285-01 or SD-25918-01 — Arranged for Phase I Centrex	218-399-519	2	Calls-Waiting Signal Circuit SD-26271-01 — Tests — Arranged For Phase I Centrex
218-399-502	4	Attendant Trunk Circuit SD-26270-01 for Use With Console Operation — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase I Centrex	218-399-520	1	2-Way Intertoll Trunk Circuit SD-28126-01 Tests — Using Trunk Test Circuit SD-25918-01 — Arranged For Phase 1 Centrex
218-399-503	3	Attendant Trunk Circuit SD-26503-01 for Use with Modified 608A Switchboard — Tests Using Trunk Test Circuit ES-26285-01 or SD-25918-01 — Arranged for Phase I Centrex	<b>218-4/5 Offices With Office Test Frame</b>		
218-399-504	4	Auxiliary Outgoing Trunk Circuit ES-26288-01 and 2 Way Tie Trunk Circuit SD-26588-01 — Tests	218-400-501	3	Line Verification — Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)
218-399-505	4	2-Way Intertoll Trunk Circuit SD-27654-01 — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices — Arranged for Phase I Centrex	218-401-501	4	Line Verification — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-399-506	4	Intraoffice Trunk Circuit — SD-26259-01 — Tests Using Trunk Test Circuit ES-26285-01 or SD-25918-01 — No. 5 Crossbar Offices — Arranged for Phase I Centrex	218-402-501	2	Customer Line and Outgoing Trunk Conductors — Voltmeter Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-399-507	3	Auxiliary Outgoing Trunk Circuit ES-26274-01 and 2-Way Tie Trunk Circuit SD-26588-01 — Tests — No. 5 Crossbar Offices Arranged for Phase I Centrex	218-403-301	2	Method of Handling Permanent Signals on Permanent Signal Holding Trunks Using Office Test Frame Test Circuit SD-27633-01 (H-595-950 and J23260)
218-399-508	1	Incoming Register Link Circuits — Wire- Spring-Relay Type — Tests — Arranged for Phase I Centrex	Addendum	1	
218-399-512	1	Timing Circuit ES-26510-01 — Tests — Arranged for Phase I Centrex	218-404-500	1	Trouble Reference Guide — Part 1 — Index
218-399-514	1	Miscellaneous Alarm Circuit ES-65835-01 Modified for Connection to Auxiliary Alarm Circuit — Tests — Arranged for Phase I Centrex	218-404-501	1	No. 5 Crossbar — Trouble Reference Guide — Part 2 — BIN LISTINGS — A
			218-404-502	1	No. 5 Crossbar — Trouble Reference Guide — Part 3 — BIN LISTINGS — B, C, D, E, F
			218-404-503	1	No. 5 Crossbar — Trouble Reference Guide — Part 4 — BIN LISTINGS — G, H, I, J, K, L
			218-404-504	1	Trouble Reference Guide — Part 5 — Office Test Frame — Bin Listing — M
			218-404-505	1	No. 5 Crossbar — Trouble Reference Guide — Part 6 — BIN LISTINGS — N, O, P, Q, R



Number	Issue	Subject	Number	Issue	Subject
218-404-506	1	No. 5 Crossbar — Trouble Reference Guide — Part 6 — BIN LISTINGS — S, T, U, V, W, X, Y, Z	Addendum	1	
218-404-507	1	No. 5 Crossbar — Trouble Reference Guide — Part 8 — For Call Data Transmitter	218-422-501	1	Completing Markers
218-404-510	1	Trouble Reference Guide — Part 11 — Test Methods — No. 5 Crossbar Offices	218-422-502	2	Completing Markers — Miscellaneous Tests
218-410-501	1	Line Link Circuits	218-423-001	1	Alphabetical Index — Completing Marker Tests — Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-410-502	2	Line Link Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-423-501	3	Completing Marker Tests — Part 1 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)
Addendum	3		218-423-502	1	Completing Marker Tests — Part 2 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-411-501	1	Call Waiting Feature — Tests Using Office Test Frame SD-27633-01 (J23260)	218-423-503	1	Completing Marker Tests — Part 3 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-412-501	4	Line Link Pulsing Line Circuits SD-27617-01, SD-27618-01, SD-27619-01, SD-27620-01, and SD-27669-01 and SD-27942-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-423-504	1	Completing Marker Tests — Part 4 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-412-502	2	Automatic Intercept System Line Circuits SD-27892-01 and SD-27893-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices Not Arranged for Line Link Outpulsing	218-423-505	1	Completing Marker Tests — Part 5 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-412-503	2	Line Link Pulsing Circuit SD-27729-01 and SD-27730-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices	218-423-506	1	Completing Marker Tests — Part 6 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-415-501	1	Trunk Link Circuits	218-423-507	1	Completing Marker Tests — Part 7 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-415-502	2	Trunk Link Circuits Tests — Using Office Frame Test Circuits SD-27633-01 (J23260) — No. 5 Crossbar Offices	218-423-508	1	Completing Marker Tests — Part 8 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)
Addendum	1		218-423-509	1	Completing Marker Tests — Part 9 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-420-501	1	Dial Tone Marker Circuits — Tests Using Office Test Frame	218-423-510	1	Completing Marker Tests — Part 10 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-421-501	3	Dial Tone Marker Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)			

Number	Issue	Subject	Number	Issue	Subject
218-423-511	1	Completing Marker Tests — Part 11 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-435-501	3	Group-Busy Circuits — For Originating and Incoming Registers and for Senders — Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)
218-423-512	1	Completing Marker Tests — Part 12 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-435-502	1	Traffic Register Circuits — Group-Busy Features for Originating and Incoming Registers and for Senders — Tests
218-423-513	1	Completing Marker Tests — Part 13 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-436-501	5	Originating Registers — Dial Pulse or Touch-Tone Calling SD-26040-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)
218-423-514	1	Completing Marker Tests — Part 14 — Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices Arranged With Call Data Transmitter	218-437-501	6	Originating Registers — Dial Pulse or Touch-Tone Calling SD-26040-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-431-501	3	Incoming Register Pretranslator SD-27969-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices	Addendum	1	
218-432-502	2	Regular Pretranslator SD-25568-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (H595-950)	218-439-501	2	Dial Pulse Incoming Registers
Addendum	1		Addendum	1	
218-433-501	3	Regular Pretranslator SD-25568-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices	218-440-501	4	Dial Pulse Incoming Registers SD-26041-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-433-502	3	IDDD Pretranslator SD-27849-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-443-501	2	Multifrequency Incoming Registers
218-434-501	4	Group-Busy Circuits — For Originating and Incoming Registers and for Senders — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-444-501	3	Multifrequency Incoming Register SD-26042-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-434-502	2	Traffic Register Circuits — Group-Busy Features for Originating and Incoming Registers and for Senders — Tests Equipped with Office Test Frame Test Circuit SD-27633-01 (J23260)	Addendum	2	
			218-450-501	2	Outgoing Dial Pulse Senders
			Addendum	1	
			218-451-501	3	Outgoing Dial Pulse Sender SD-26050-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
			Addendum	2	
			218-456-501	3	Multifrequency Outgoing Senders — Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)
			Addendum	1	
			218-457-501	5	Multifrequency Outgoing Senders — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)

Number	Issue	Subject	Number	Issue	Subject
218-457-502	3	Automatic Intercept System — Outgoing Sender SD-27882-01 — Tests Using Office Test Frame SD-27633-01 (J23260) — Not Arranged for Line Link Pulsing	218-475-501	3	LAMA Recorder and Recorder Connector Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-460-501	1	Outgoing Sender Connector and Outgoing Sender Link Circuits	218-476-501	3	Call Identity Indexer Circuit SD-25621-01 — Tests Using Office Test Frame (J26230) — No. 5 Crossbar Offices
Addendum	1		Addendum	1	
218-461-501	2	Outgoing Sender Connector and Outgoing Sender Link Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-476-502	1	Call Identifier Indexer Circuit SD-25621-01 — Tests Using Office Test Frame SD-27633-01 (H-595-950)
Addendum	1		218-501-501	2	Coin Supervisory and Coin Supervisory Concentrating Circuits — Tests Using Office Test Frame SD-27633-01 (H-595-950)
218-461-502	1	Outgoing Sender Connector SD-27888-01 and Outgoing Sender Line Connector SD-27889-01 for Automatic Intercept System — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices not Arranged for Line Link Pulsing	218-501-502	3	Coin Supervisory and Coin Supervisory Concentrating Circuits SD-25736-01 and SD-25721-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-465-501	2	Number Group Circuits — Tests Using Office Test Frame	218-502-501	2	Coin Supervisory Release Circuits
218-465-502	1	Number Group Circuits — Tests Using Office Test Frame SD-27633-01 (J23260)	218-502-502	1	Coin Supervisory Release Circuit SD-25859-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-470-501	3	Translators — Offices Arranged for LAMA or ANI	218-515-101	2	Office Test Frame — Description — SD-27633-01 (H-595-950)
Addendum	1		218-516-101	1	Office Test Frame — Description — SD-27633-01 (J23260)
218-471-501	2	Translators — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — Arranged for LAMA or ANI	218-525-501	1	Emergency Line Circuits
218-472-501	5	Transverters SD-25591-01 and SD-26161-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)	218-526-501	1	Emergency Transfer Circuit — Dial to Manual Service
218-472-503	4	Transverter SD-25591-01 — Miscellaneous Tests — Using Trouble Indicator	218-527-501	2	Auxiliary Line Circuit SD-26165-01 — Tests Using Office Test Frame — No. 5 Crossbar Offices
218-473-501	5	Transverters SD-25591-01 and SD-26161-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-527-502	2	Auxiliary Line Circuit SD-26165-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-474-501	4	LAMA Recorder and Recorder Connector Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (H595-950)	218-528-501	3	Outgoing Auxiliary Line Circuit SD-26164-01 for Public Emergency Reporting Service — Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)

Number	Issue	Subject	Number	Issue	Subject
218-528-502	2	Outgoing Auxiliary Line Circuit SD-26164-01 for Public Emergency Reporting Service — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-532-511	1	Traffic Registers — Part 11 — Tests Using Office Test Frame SD-27633-01 (J23260)
218-529-501	1	Dial Long Line Circuits — Coin	218-532-512	1	Traffic Registers — Part 12 — Tests Using Office Test Frame SD-27633-01 (J23260)
218-530-501	2	Dial Long Line Circuits — 2-Party Message Rate — Tests Using Office Test Frame Test Circuit SD-27633-01	218-533-501	4	Plant Registers — Tests Using Office Test Frame — Test Circuit SD-27633-01 (H-595-950)
Addendum	1		218-534-501	5	Plant Registers — Tests Using Office Test Frame — Test Circuit SD-27633-01 (J23260)
218-531-501	1	Station Ringer Test Circuits SD-25861-01, SD-25927-01, and SD-26109-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-535-500	1	Traffic Register Lead Index — Equipped With Office Test Frame SD-27633-01 (H-595-950)
218-532-500	3	Traffic Register Lead Index — Equipped With Office Test Frame (J23260)	218-535-501	1	Traffic Registers — Part 1 — Tests Using Office Test Frame SD-27633-01 (H595- 950)
218-532-501	5	Traffic Registers — Part 1 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-535-502	1	Traffic Registers — Part 2 — Tests Using Office Test Frame SD-27633-01 (H595- 950)
218-532-502	3	Traffic Registers — Part 2 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-535-503	1	Traffic Registers — Part 3 — Tests Using Office Test Frame SD-27633-01 (H595- 950)
218-532-503	2	Traffic Registers — Part 3 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-535-504	1	Traffic Registers — Part 4 — Tests Using Office Test Frame SD-27633-01 (H595- 950)
218-532-504	2	Traffic Registers — Part 4 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-535-505	1	Traffic Registers — Part 5 — Tests Using Office Test Frame SD-27633-01 (H595- 950)
218-532-505	2	Traffic Registers — Part 5 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-535-506	1	Traffic Registers — Part 6 — Tests Using Office Test Frame SD-27633-01 (H595- 950)
218-532-506	2	Traffic Registers — Part 6 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-535-507	1	Traffic Registers — Part 7 — Tests Using Office Test Frame SD-27633-01 (H595- 950)
218-532-507	2	Traffic Registers — Part 7 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-535-508	1	Traffic Registers — Part 8 — Tests Using Office Test Frame SD-27633-01 (H595- 950)
218-532-508	3	Traffic Registers — Part 8 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-540-501	1	Range Extender Unit — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-532-509	1	Traffic Registers — Part 9 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-545-301	1	Trunk Operational Test — Remote Office Test Line
218-532-510	1	Traffic Registers — Part 10 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-546-501	4	Trunk Transmission Tests Using Office Test Frame Test Circuit SD-27633-01 (H595- 950)

Number	Issue	Subject	Number	Issue	Subject
218-546-506	1	Trunk Transmission Tests — Circuits Terminated at Commercial ACD — Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices	218-568-501	5	Outgoing Information, Outgoing Repair Service, Outgoing Official PBX, Common Overflow, Tone, and Associated Auxiliary Trunks From Trunk Link Frame — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-547-501	3	Intraoffice Trunk Circuits Tests Using Office Test Frame	218-568-502	2	Outgoing Trunk Circuit for Information Service SD-28080-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-548-501	4	Intraoffice Trunk Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-569-501	2	Outgoing, Incoming, and 2-Way Intertoll Trunk Circuits Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) No. 5 Crossbar Offices
218-549-501	3	Trunk Transmission Tests Circuits Terminated on Trunk Link Frame Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-571-501	3	Outgoing Trunk and Junctor Circuits
218-549-502	1	Trunk Transmission Tests Circuit Terminated on Line Link Frame Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-572-501	4	Outgoing Trunk or Junctor Circuits — SD-26078-01, SD-26085-01, SD-26086-01, and SD-26087-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-549-503	1	Manual Trunk Transmission Tests Using Remote Office Test Line and Office Test Frame	218-573-501	3	Outgoing Trunks to Traffic Service Position (TSP) or Traffic Service Position System (TSPS) No. 1 Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)
218-551-501	2	Incoming Trunk Circuits	218-574-501	5	Outgoing Trunks to Traffic Service Position (TSP) or Traffic Service Position System (TSPS) No. 1 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-552-501	4	Incoming Trunk Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-579-501	3	Reverting Call Trunks — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-553-501	1	2-Way Operator Office	218-580-501	3	Reverting Call Trunks Tests Using Office Test Frame
218-563-501	2	Outgoing Announcement Trunks — Tests Using Office Test Frame Test Circuit SD-27633-01 — No. 5 Crossbar Offices	218-581-501	3	Recording Completing, Special Service, and Vacant Code Intercepting Trunk Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)
218-564-501	1	Outgoing Announcement Trunks			
218-565-501	2	Auxiliary Outgoing Trunk SD-26084-01 — Tests Using Office Test Frame SD-27633-01 (H595-950)			
218-565-502	1	Auxiliary Outgoing Trunk SD-26084-01 — Tests Using Office Test Frame SD-27633-01 (J23260)			
218-566-501	1	Official PBX Trunks			
Addendum	1				
218-567-501	2	Common Overflow, Tone, Outgoing Information, Outgoing Official PBX, and Repair Service Trunks — Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)			

Number	Issue	Subject	Number	Issue	Subject
218-582-501	1	Recording Completing, Special Service and Vacant Code Intercepting Trunk Circuits	<b>218-6 Automatic Call Distribution and Wideband</b>		
218-582-502	1	Intercept Junctor Circuit SD-27595-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — or No. 3 Local Test Cabinet	Addendum	1	
Addendum	1		● 218-600-501	3	Marker Circuit SD-27840-01 — Tests Using Master Test Frame
218-583-501	2	Verification Request, Intercepting, Official PBX, Information and Repair Service Trunks and Intercept Junctors From Line Link Frame — Tests Using Office Test Frame Test Circuit SD-27633-01 (H595- 950)	Addendum	2	
218-583-503	2	Verification Request, Intercepting, Official PBX, Information, and Repair Service Trunks From Line Link Frame Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) or No. 3 Local Test Cabinet No. 5 Crossbar Offices	218-600-502	4	Marker Circuit SD-27840-01 — Miscellaneous Tests
218-584-501	2	Trunks to Local Test Desk No. 14 and Local Test Cabinet No. 3 — Tests Using Office Test Frame	218-600-503	2	Marker Circuit SD-27840-01 — Tests Using Automatic Call Distributor Test Circuit SD-27997-01
218-585-501	1	Free Trunks	218-602-501	4	Line Circuit SD-27830-01 — Tests Using Master Test Frame
218-586-501	2	Permanent Signal Holding Trunk, Timing and Associated Auxiliary Circuits	218-602-502	2	Line Circuit SD-27981-01 — Tests Using Master Test Frame — For Automatic Call Distribution
218-587-501	1	Trunks to Local Test Desk No. 14 and Local Test Cabinet No. 3 — Tests Using Office Test Frame Test Circuit SD-27633-01	218-602-503	4	Line Circuit SD-28040-01 — Tests Using ACD Test Circuit SD-27997-01
218-588-501	4	Free Trunks and Associated Auxiliary Trunks — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices	218-602-504	1	Line Circuit SD-28048-01 — Tests Using Master Test Frame
218-589-501	4	Permanent Signal Holding Trunk, Timing, and Associated Auxiliary Trunk Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices	Addendum	1	
			218-602-505	2	Line Circuit SD-28048-01 — Tests Using ACD Test Circuit SD-27997-01
			218-602-506	2	Line Circuit SD-28040-01 — Tests Using Master Test Frame
			● 218-603-501	3	Line, Line Link, and Marker — Connector Control Circuit SD-27853-01 — Tests Using Master Test Frame
			218-603-502	1	Line, Line Link, and Marker — Connector Control Circuit SD-27853-01 — Test Using ACD Test Circuit SD-27997-01
			● 218-604-501	2	Line Link Marker Connector SD-27854-01 and Preference Control Circuit SD-26029-01 — Tests Using Master Test Frame
			218-604-502	1	Line Link Marker Connector SD-27854-01 and Preference Control Circuit SD-26029-01 — Tests Using ACD Test Circuit SD-27997-01
			218-605-501	3	Gate Control Circuit SD-27852-01 — Tests Using Master Test Frame — No. 5 Crossbar System — Arranged for Automatic Call Distribution

Number	Issue	Subject	Number	Issue	Subject
Addendum	2		218-615-502	1	Position Trunk Gate and Control Circuit SD-27875-01 — Tests Using ACD Test Circuit SD-27997-01
218-605-502	2	Sequential Gate Control Circuit SD-27972-01 — Tests	218-616-501	1	Level Detector Circuit SD-28031-01 — Tests
● 218-606-501	3	Master Traffic Control Circuit SD-26020-01 — Tests	218-617-501	1	Outgoing Trunk Circuit SD-28045-01 — Tests Using Master Test Frame
218-607-501	5	Traffic Register Circuit SD-25892-01 — Tests Using Master Test Frame	218-617-502	1	Outgoing Trunk Circuit SD-28045-01 — Tests Using ACD Test Circuit SD-27997-01
218-607-502	3	Traffic Register Circuit SD-25892-01 — Tests Using ACD Test Circuit SD-27997-01	218-618-501	1	Digit Register Marker Connector and Control Circuit Tests
218-608-501	2	Plant Register Circuit SD-25793-01 — Tests Using Master Test Frame	218-619-501	1	Digit Register Circuit SD-28009-01 — Tests Using Master Test Frame
218-608-502	2	Plant Register Circuit SD-25793-01 — Tests Using ACD Test Circuit SD-27997-01	218-619-502	2	Digit Register Circuit SD-28009-01 — Tests Using ACD Test Circuit SD-27997-01 — For Automatic Call Distribution
218-609-501	2	Fuse Alarms — Test	218-620-501	1	Junctor Circuit SD-28044-01 — Test Using Master Test Frame
218-611-501	2	Master Test Frame Connector SD-27856-01 — Preference and Lockout Chains — Tests	218-620-502	2	Junctor Circuit SD-28044-01 — Tests Using ACD Tests Circuit SD-27997-01 — No. 5 Crossbar System for Automatic Call Distribution
218-611-502	1	Test Connector Circuit SD-28033-01 — Preference and Lockout Chains — Tests	218-621-501	1	Outgoing Trunk Circuit SD-28043-01 — Tests Using Master Test Frame
218-612-501	4	Position Trunk Circuit SD-27829-01 — Tests Using Master Test Frame — No. 5 Crossbar System	218-621-502	1	Outgoing Trunk Circuit SD-28043-01 — Tests Using ACD Test Circuit SD-27997-01
218-612-503	2	Position Trunk Circuit SD-28041-01 — Tests Using Master Test Frame — No. 5 Crossbar System	218-622-501	1	Service Assistant Position Trunk SD-28042-01 — Tests Using Master Test Frame — No. 5 Crossbar System For Automatic Call Distribution
218-612-504	3	Position Trunk Circuit SD-28041-01 — Tests Using ACD Tests Circuit SD-27997-01 — No. 5 Crossbar System	218-622-502	2	Service Assistant Position Trunk SD-28042-01 — Tests Using ACD Test Circuit SD-27997-01
218-613-501	5	Trunk Transmission Tests — Using Master Test Frame	218-623-501	1	Announcement Control Circuit SD-28046-01 — Tests Using Master Test Frame — No. 5 Crossbar System For Automatic Call Distribution
218-613-502	3	Test Circuit SD-27997-01 — Trunk Transmission Tests — No. 5 Crossbar Offices	218-623-502	2	Announcement Control Circuit SD-28046-01 — Tests Using ACD Test Circuit SD-27997-01
218-614-501	2	Trunk Link Circuits SD-26032-01, SD-28051-01 — Tests Using Master Test Frame	□ 218-652-501	2	Wideband Junction Switch Group Marker Lockout Circuit — Tests
218-614-502	1	Trunk Link Circuit SD-28051-01 — Tests Using ACD Test Circuit SD-27997-01			
218-615-501	1	Position Trunk Gate and Control Circuit SD-27875-01 — Tests Using Master Test Frame			

Number	Issue	Subject	Number	Issue	Subject
<input type="checkbox"/> 218-654-501	1	Video Supervisory Signal Supply Circuit SD-27909-01 Associated with Wideband Link Circuit SD-27901-01 — Tests	218-708-501	1	Plugging-Up Line Circuits SD-25741-01 — Tests
<input checked="" type="checkbox"/> 218-661-501	1	Wideband Intercepting Trunk Circuit SD-26121-01 From Line Link Frame and/or Trunk Line Frame — Test Using Master Test Frame	218-709-301	1	Emergency Line Circuit — Taking Equipment Out of Service
<input type="checkbox"/> 218-663-501	1	Intraoffice Trunk Circuit (Audio) SD-27915-01 and Wideband Intraoffice Trunk Circuit (Video) SD-27923-01 Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Wideband	218-710-301	5	Line Load Control — Application
<input type="checkbox"/> 218-667-501	1	Line Link Pulsing 2-Way Line Circuit SD-27913-01 — Test Using Trunk Test Circuit SD-25918-01 — Arranged for Wideband	218-710-501	5	Line Load Control Equipment — Tests
<input type="checkbox"/> 218-675-501	1	Recording Completing, Inward Operator, or TX Trunk Circuit and Associated Audio Trunk Circuits — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Wideband	218-712-501	9	Line Link and Transfer Line Link Marker Connectors — Wire-Spring-Relay Type — Tests — No. 5 Crossbar Offices
<input type="checkbox"/> 218-677-501	1	Station Video Test Circuit — Tests Using Trunk Test Circuit SD-25918-01	218-713-501	1	2-Part Bridge Lifter Circuit SD-99490-01 — Test
<input type="checkbox"/> 218-681-501	1	Continuity Test Circuit SD-1C292-01 Test Using Master Test Control Circuit SD-25800-01 — Arranged for Wideband	218-718-501	9	Dial Tone Markers — Miscellaneous Tests
			218-719-501	10	Master Traffic Control Circuit SD-26020-01 Associated With Line, Line Link, or Transfer Line Link Marker Connectors — Tests
			218-719-502	2	Master Traffic Control Circuit SD-26020-01 — Associated With Originating, Incoming, and Transfer Register Marker Connectors — Tests — No. 5 Crossbar Offices
			218-719-503	2	Master Traffic Control Circuit SD-26020-01 — Associated With Transverter Connectors — Tests
			Addendum	1	
			218-721-501	7	Pretranslator Connectors SD-25569-01 — Tests — No. 5 Crossbar Offices
			218-721-502	1	Pretranslator Connectors SD-27968-01 — Tests
			218-724-501	2	Foreign Area Translator — Tests
			218-724-502	2	Foreign Area Translators — Verification of Code Cross Connections
			218-725-501	3	Foreign Area Translator Connectors — Tests
			Addendum	1	
			218-726-301	5	Translator SD-26019-01 and SD-25754-01 — Cross-Connections
			218-727-501	4	AMA or ANI Translator Line Verification — Tests Using AMA Translator Line Verification Test Circuit SD-27632-01 (J24759)
			218-729-301	1	Ring Selection Switch Circuit — Taking Equipment Out of Service
<b>218-7/8 Sections Not Requiring Use of Master Test Frame or Office Test Frame</b>					
218-700-301	2	Molded Covers Per ED-26560-01 — Mounting and Removing			
Addendum	1				
218-701-301	5	Methods of Denying and Restoring Service on Customer Lines			
218-702-301	4	Method of Handling Complaints and Requests Involving AMA Charge Irregularities			
Addendum	1				
218-702-302	3	Central Office Automatic Message Accounting Equipment — Precautions to Limit Stoppages in No. 1 Accounting Center			
218-702-303	2	Method of Handling Complaints and Requests Involving Charge Irregularities on Crossbar Tandem CAMA Calls			



Number	Issue	Subject	Number	Issue	Subject
Addendum	1		218-741-501	2	Coin Supervisory Link Circuits — Wire-Spring-Relay Type — Tests
218-730-501	11	Originating, Incoming, and Transfer Register Marker Connectors — Wire-Spring Relay Type Tests	218-742-301	1	Coin Supervisory Release Circuit — Alarm Routine
218-732-501	3	Incoming Register Link Circuits SD-26048-01 — Wire-Spring-Relay Type — Tests	218-742-302	2	Coin Supervisory Release Circuit — Taking Equipment Out of Service
218-733-301	1	Outgoing Sender Link Circuits — Taking Equipment Out of Service	218-742-303	3	Coin Supervisory Circuit and Coin Supervisory Concentrating Circuit — Alarm Routine
218-734-301	2	Procedure for Changing AMA Tape — Arranged for Magnetic Tape Recording	218-742-304	2	Coin Supervisory Circuit and Coin Supervisory Concentrating Circuit — Taking Equipment Out of Service
Addendum	1		▲218-743-000	1	Remote Office Test Line
218-734-501	2	Recorder and Recorder Control Circuit SD-94805-01 — Tests — Arranged for AMA Magnetic Tape Recording	218-743-001	1	Expanded ROTL (Remote Office Test Line) — Operation With 92A Control Unit — Maintenance and Trouble Isolation Procedures — No. 5 Crossbar Offices
218-734-502	4	Transfer and Make-Busy Circuit SD-94806-01 — Tests — Arranged for AMA Magnetic Tape Recording	218-743-101	1	Remote Office Test Line Arrangement — Descriptive Information
218-735-301	4	Recorder and Recorder Connector — Alarm Routine — Arranged for AMA	Addendum	1	
218-735-302	5	Recorder and Recorder Connector Circuits — Taking Equipment Out of Service — Offices Arranged for AMA	218-743-102	3	Expanded Remote Office Test Line — Equipped With Pollable Data Terminal No. 2A — No. 5 Crossbar Offices
218-736-301	1	Transverter — Alarm Routine — Offices Arranged for AMA	218-743-103	3	Mini-ROTL (Mini Remote Office Test Line) — Description
218-736-302	1	Transverters — Taking Equipment Out of Service — Offices Arranged for AMA	218-743-104	2	Pollable Data Terminal No. 2A (PDT-2A) — Operation With Expanded Remote Office Test Line (ROTL) — Description — No. 5 Crossbar Office
218-737-501	5	Automatic Number Identification (ANI) Transverter Connectors SD-26161-01 — Tests — No. 5 Crossbar Offices	218-743-105	3	EOTT/RTMB (Enhanced Operational Trunk Testing/Remote Trunk Make-Busy) Unit — Description
218-738-501	2	ANI Transverter-Connectors — Tests	218-743-301	1	Remote Office Test Frame — Operational Procedures
218-739-301	1	Transverter Connector — Alarm Routine — Offices Arranged for AMA	218-743-303	1	Expanded Remote Office Test Line — System Evaluation Procedures
218-739-302	2	Transverter Connectors — Taking Equipment Out of Service — Offices Arranged for AMA	218-743-304	3	Expanded ROTL (Remote Office Test Line) — Equipped With PDT-2A (Pollable Data Terminal No. 2A) — Acceptance Tests — No. 5 Crossbar Offices
218-739-501	9	LAMA Transverter Connectors — Tests — No. 5 Crossbar Offices			
218-740-501	4	Call Count Progress Control — Storage and Register Circuit — Tests			

Number	Issue	Subject	Number	Issue	Subject
218-743-305	1	EOTT/RTMB (Enhanced Operational Trunk Testing/Remote Trunk Make- Busy) Unit — "Local" Operating Instructions — No. 5 Crossbar Offices	218-743-512	3	Expanded ROTL (Remote Office Test Line) — Equipped With Pollable Data Terminal No. 2A — Priming and Error Information Using 92A Control Unit — No. 5 Crossbar Offices
218-743-310	2	Expanded Remote Office Test Line (ROTL) — Equipped With Pollable Data Terminal No. 2A — Input/Output, Diagnostic, and Error Messages — Description	Addendum	1	
218-743-311	2	Expanded Remote Office Test Line (ROTL) — Equipped With Pollable Data Terminal No. 2A — Diagnostic Test Procedures — No. 5 Crossbar Offices	218-743-513	2	Expanded Remote Office Test Line (ROTL) — Equipped With Pollable Data Terminal No. 2A (PDT-2A) — Distributor and Scanner Lead Verification Procedures
218-743-312	2	Expanded Remote Office Test Line (ROTL) — Equipped With the Pollable Data Terminal No. 2A (PDT-2A) — Initialization and Recovery Procedures	218-743-514	2	Expanded Remote Office Test Line (ROTL) — Equipped With Pollable Data Terminal No. 2A (PDT-2A) — Miscellaneous Test Procedures
218-743-501	1	Remote Office Test Frame — Tests	218-743-701	2	Remote Office Test Control Circuit SD-27727-01 — Build-Out Resistor Assembly Adjustment — No. 5 Crossbar System
218-743-503	4	Mini-Remote Office Test Line Acceptance Tests and Trouble-Clearing Procedures — No. 5 Crossbar Offices	218-743-702	1	Expanded ROTL (Remote Office Test Line) — Access Circuit SD-28035-01 — Build-Out Resistor Assembly Adjustment — No. 5 Crossbar Offices
218-743-504	2	Enhanced Operational Trunk Test/Remote Trunk Make-Busy Unit — (Associated With Mini-Remote Office Test Line) — Acceptance Tests	218-743-703	2	Adjustment of Line Build-Out Network — Mini-Remote Office Test Line (Mini- ROTL) — No. 5 Crossbar Offices
218-743-505	1	Enhanced Operational Trunk Testing/Remote Trunk Make-Busy — Status and Control Unit — Operation — No. 5 Crossbar Offices	218-743-704	1	ATMS-Responder — Adjustment of Drop Build-Out Capacitor — No. 5 Crossbar Offices
218-743-506	2	EOTT/RTMB (Enhanced Operational Trunk Test/Remote Trunk Make-Busy) Unit — Trouble Locating Procedures — No. 5 Crossbar Offices	218-743-705	1	Mini-Remote Office Test Line — Adjustment of Drop Build-Out Capacitor — No. 5 Crossbar Offices
218-743-510	2	Expanded Remote Office Test Line — Using the 92A Control Unit — Trunk Operational Tests — No. 5 Crossbar Offices	218-744-501	2	Incoming Trunk for Message Register Test — Voltage Adjustment Test
218-743-511	1	Expanded Remote Office Test Line — Transmission Tests — Using 92A Control Unit — No. 5 Crossbar Offices	218-745-501	3	Continuity and Polarity Test of Outgoing Trunks at Outgoing Trunk Test Frame Using Test Circuit SD-96370-01
			218-746-501	4	Line Message Registers — Tests Using Incoming Trunk for Message Register Test
			218-748-501	3	Message Register Power Supply and Associated No Voltage Alarm and Cross Detecting Alarm Circuit Tests

Number	Issue	Subject	Number	Issue	Subject
218-749-501	3	Immediate Ring Control Circuit SD-27820-01 — Miscellaneous Tests	Addendum	2	
218-752-501	7	Fuse Alarms — Tests — No. 5 Crossbar Offices	218-764-501	5	Preference Control and Make-Busy Circuits — Wire-Spring-Relay Type — Tests
218-753-501	2	Voice Alarm and Control Circuit SD-27980-01 For Announcement System 7A Tests — No. 5 Crossbar	218-765-301	1	No-Such-Number Tone Signal Circuits — Alarm Routine
218-754-501	2	60- or 120-IPM Interrupter Circuit SD-25814-01 — Tests — Ringing Machine Operated	218-765-302	1	No-Such-Number Tone Signal Circuit SD-25831-01 — Taking Equipment Out of Service
218-756-301	4	Alarm Sending Circuits — Taking Equipment Out of Service	218-765-501	1	No-Such-Number Tone Signal Circuit SD-25831-01 — Tests
218-756-501	6	Alarm Sending Circuit SD-95417-01 — Tests	218-766-301	1	No-Such-Number Tone Signal Circuit SD-25791-01 — Taking Equipment Out of Service
Addendum	1		218-766-501	3	No-Such-Number Tone Signal Circuit SD-25791-01 — Tests
218-756-502	2	Alarm Sending Circuit SD-27594-01 — For Use With Operator Office Trunks and Alarm Checking Facilities — Tests	Addendum	1	
218-758-501	4	Permanent Signal Alarm Circuit — Tests	218-768-501	1	Range Extender Tests Using Automatic Range Extension Test Circuit SD-27831-01
218-759-501	2	Alarm Surveillance and Control System — Interconnection Circuit Tests — No. 5 Crossbar Offices	218-770-501	4	Line Insulation Test Frame — Maintenance and Calibration Tests — No. 5 Crossbar Offices
218-759-502	1	Alarm Surveillance and Control System — Overall Tests of Alarm, Status and Command Functions — No. 5 Crossbar Offices	Addendum	1	
218-760-701	1	Electron Tube Receiver Circuit SD-26118-01 (For Coin Control and Ringing Signal Detection) — Adjusting Procedure Using the No. 72A Frequency Meter SD-59373-01 (J64072A)	218-772-301	6	Master Timing Circuit SD-25633-01 — Methods of Handling Alarms With Six- Second Timing — No. 5 Crossbar Offices
Addendum	1		218-772-302	4	Master Timing Circuit SD-25633-01 — Taking Equipment Out of Service
218-762-501	5	Directional Reservation Circuit SD-26154-01 — Tests — No. 5 Crossbar Offices	218-772-303	3	Master Timing Circuit SD-25633-01 — Daylight Saving Time and Leap Year Changes
218-763-501	2	Dynamic Overload Control Circuit ES-27742-01 — Tests	Addendum	1	
218-763-502	3	Dynamic Overload Control Circuit SD-27866-01	218-772-304	1	Master Timing Circuit SD-25633-01 — Methods of Handling Alarms With One- Second Timing
218-763-503	4	Dynamic Overload Control Circuit SD-27970-01 — Tests	218-772-501	9	Master Timing Circuit SD-25633-01 — Six Second Timing Features — Tests
			Addendum	1	
			218-772-502	2	Master Timing Circuit SD-25633-01 — One Second Timing Features — Tests

Number	Issue	Subject	Number	Issue	Subject
218-773-301	2	Master Timing Circuit SD-94811-01 — Resetting Time, Daylight Saving Time, and Leap Year Changes — No. 5 Crossbar Offices Arranged for Magnetic Tape Recording	Addendum	1	
218-773-501	4	Master Timing Circuit SD-94811-01 — Tests — No. 5 Crossbar Offices Arranged for AMA Magnetic Tape Recording	218-779-304	1	Plant and Traffic Register Lead Verification — No. 5 Crossbar Offices — Arranged With Call Data Transmitter
218-774-301	1	Line Link Pulsing — PBX — Power Failure Make-Busy	Addendum	2	
218-779-000	1	Alphabetical Index — Arranged With Call Data Transmitter	218-779-305	2	Trouble Record Diagnostics Procedures — No. 5 Crossbar Offices Arranged for Call Data Transmitter
218-779-101	1	Diagnostic Test Panel — Functional Description and Use — No. 5 Crossbar Offices Arranged With Call Data Transmitter	Addendum	1	
218-779-102	2	Cutover Procedures — No. 5 Crossbar Offices Arranged with Call Data Transmitter	218-779-306	2	System Cross-Connect Scan and Distribute Verification Procedures — No. 5 Crossbar Offices — Arranged for Call Data Transmitter
Addendum	3		Addendum	1	
218-779-103	1	Call Data Transmitter — Acceptance Test Procedures — No. 5 Crossbar Offices	218-779-307	1	On-Line Wired Data Base Audit — No. 5 Crossbar Offices Arranged With Call Data Transmitter
218-779-104	2	System Initialization and Recovery Procedures — Arranged With Call Data Transmitter	218-779-501	1	Completing Marker Interface Circuit — Test Using Master Test Frame — No. 5 Crossbar Offices — Arranged With Call Data Transmitter
218-779-105	2	Input-Output Messages — Using Diagnostic Test Panel — No. 5 Crossbar Offices Arranged With Call Data Transmitter	218-779-503	3	Translator Access Circuit — Tests Using Master Test Frame — No. 5 Crossbar Offices — Arranged With Call Data Test Transmitter
Addendum	1		218-779-511	1	Completing Marker Interface Circuit — Test Using Office Test Frame — No. 5 Crossbar Offices Arranged With Call Data Transmitter
218-779-106	2	Trouble Record Error Codes — No. 5 Crossbar Offices — Arranged for Call Data Transmitter	218-779-513	2	Translator Access Circuit Tests — Using Office Test Frame Test Circuit SD-27633-01 (J23260) — Arranged With Call Data Transmitter
218-779-107	1	Call Data Transmitter — Analysis of Error Code 18 — No. 5 Crossbar Offices	218-779-701	3	Call Data Transmitter — Taking Equipment Out of Service — Procedures — No. 5 Crossbar Offices
218-779-108	1	Call Data Transmitter Operations Under Failure Conditions — No. 5 Crossbar Offices	218-779-702	1	Handling Call Data Transmitter (CDT) — Alarms — No. 5 Crossbar Offices
Addendum	2		218-780-301	1	Outgoing Announcement Trunks — Taking Equipment Out of Service
218-779-301	1	Diagnostic and Status Request Procedures Using Diagnostic Test Panel — No. 5 Crossbar Offices Arranged for Call Data Transmitter			
218-779-303	2	Trunk Audits — No. 5 Crossbar Offices — Arranged With Call Data Transmitter			

Number	Issue	Subject	Number	Issue	Subject
218-781-301	3	Information, Repair Service, Common Overflow, Tone and Associated Auxiliary Trunks — Taking Equipment Out of Service	Addendum	1	
218-782-301	2	Recording Completing, Special Service, Vacant Code Intercepting and Associated Auxiliary Trunk Circuits — Taking Equipment Out of Service	218-798-101	2	Error Message Number Translations — Arranged for LAMA-C
218-783-301	1	Two Way Trunks — To Community Dial Offices — Taking Equipment Out of Service	218-798-102	1	Trunk Register, Call Record, and Label Formats Arranged for LAMA-C
218-784-301	1	Free Trunks — Taking Equipment Out of Service	218-798-103	1	LAMA-C Acceptance Test — Procedures
218-785-301	2	Verification Request, Intercepting and Information Service Trunks from Line Link Frame — Taking Equipment Out of Service	218-798-301	2	Processor(s) Loading and Start-Up Procedures — Arranged for LAMA-C
218-786-301	2	Incoming Trunk Circuits — Taking Equipment Out of Service	Addendum	1	
218-787-301	2	Outgoing Trunks — Taking Equipment Out of Service	218-798-302	1	Miscellaneous Operational Procedures — Arranged for LAMA-C
218-788-301	1	Incoming Intertoll Trunks — Taking Equipment Out of Service	Addendum	1	
218-789-301	1	Outgoing Intertoll Trunks — Taking Equipment Out of Service	218-798-303	1	Input Message Formats and Procedures — Arranged for LAMA-C
218-790-301	2	Intraoffice Trunk Circuits — Taking Equipment Out of Service	Addendum	1	
218-791-301	1	No-Such-Number Signal Tone Trunk — Taking Equipment Out of Service	218-798-304	1	Acknowledgement and Output Messages — Formats and Procedures — Arranged for LAMA-C
218-792-301	1	Miscellaneous Incoming Trunks from Local Test Desk Toll or DSA Switchboard — Taking Equipment Out of Service	Addendum	3	
218-793-301	1	Toll Switching and Operator Completing Trunk Circuits — Taking Equipment Out of Service	218-798-305	2	Recent Changes and Recent Change Tests — Formats and Procedures — Arranged for LAMA-C
218-794-301	2	Stuck Coin Trunk — Taking Equipment Out of Service	218-798-306	1	Diagnostic Task Programs and Procedures Arranged for LAMA-C
218-795-301	1	Outgoing Toll Switching Trunks — Taking Equipment Out of Service	218-798-307	1	Service Task Programs and Procedures — Arranged for LAMA-C
218-796-301	1	Pulse Conversion Toll Switching Trunk Circuits — Taking Equipment Out of Service	218-798-308	1	Taking LAMA-C Equipment Out of Service — Procedures — Arranged for LAMA-C
218-797-301	2	Reverting Call Trunks — Taking Equipment Out of Service	218-798-309	1	Generating, Storing, and Handling Back-Up Program Cassette Tapes — Arranged for LAMA-C
Addendum	1		218-798-310	1	Call Process Counts — Arranged for LAMA-C
218-798-000	1	Alphabetical Index — Arranged for LAMA-C	218-798-311	1	LAMA-C Cutover Procedures
			218-798-501	1	PBX-AIOD Tests — Arranged for LAMA-C
			Addendum	1	
			218-798-502	1	Program Controlled Transverter SD-28085-01 — Tests Using the Master Test Frame — Arranged for LAMA-C

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		■ 218-799-200	1	Alphabetical and Numerical Index — Software Subsystem Description — No. 5 Crossbar Offices — Arranged With Electronic Translation System
218-798-503	1	Combined Program Controlled Transverter and Multifrequency Outgoing Sender — Tests Using Automatic Monitor, Register, and Sender Test Circuit — SD-25680-01 (ANI) — Arranged for LAMA-C	■ 218-799-211	1	Data Dumps — Software Subsystem Description — No. 5 Crossbar Offices Arranged With Electronic Translation System
Addendum	1		■ 218-799-212	1	Primary Scan and Distribute — Software Subsystem Description — Electronic Translation System — No. 5 Crossbar Offices
218-798-504	1	Combined Program Controlled Transverter and Multifrequency Outgoing Sender — Tests Using Sender Test Set SD-25674-01 (J24756A) (ANI) — Arranged for LAMA-C	■ 218-799-214	1	Tape Handling — Software Subsystem Description — No. 5 Crossbar Offices — Arranged With Electronic Translation System
Addendum	1		■ 218-799-215	1	Error Handling — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System
218-799-000	2	Alphabetical Index — Arranged With Electronic Translation System	■ 218-799-217	1	Terminal Software Subsystem Description — No. 5 Crossbar Offices Arranged With Electronic Translation System
Addendum	1		■ 218-799-220	1	Call Processing Software — Software Subsystem Description — No. 5 Crossbar Offices — Arranged for Electronic Translation System
218-799-102	1	Data Dump Formats — No. 5 Crossbar Offices Arranged With Electronic Translation System	Addendum	1	
218-799-103	1	Trunk Register — Trunk Scanner, Row, and Bit Conversion Table — No. 5 Crossbar Offices Arranged With Electronic Translation System	■ 218-799-221	1	Preroute Call Processing — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System
Addendum	1		■ 218-799-222	1	Type of Line Translation (TOL) — Software Subsystem Description — No. 5 Crossbar Offices Arranged With ETS
218-799-104	1	Cutover Procedures — Arranged With Electronic Translation System (ETS)	Addendum	2	
218-799-105	1	Electronic Translation System — Acceptance Test Procedures — No. 5 Crossbar Offices	■ 218-799-224	1	Routing and Screening — Call Processing — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System
218-799-106	2	Electronic Translation System (ETS) — Acceptance Test Procedures for Telecommunications Alarm Surveillance and Control (TASC) System — No. 5 Crossbar Offices	■ 218-799-225	1	Trunk Supervision — Software Subsystem Description — Electronic Translation System (ETS) — No. 5 Crossbar Offices
218-799-107	2	Office Growth — Procedures and Acceptance Tests — Arranged With Electronic Translation System			
218-799-108	1	New Generic Acceptance Test Procedures — No. 5 Crossbar Offices Arranged With Electronic Translation System			

Number	Issue	Subject	Number	Issue	Subject
■ 218-799-227	1	Trunk Selection — Busy and Overflow Call Processing — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System	■ 218-799-242	1	Traffic and Plant Measurements — Software Subsystem Description — No. 5 Crossbar Offices Arranged With Electronic Translation System
Addendum	1		Addendum	1	
■ 218-799-228	1	Terminal Call — Processing — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System	■ 218-799-243	1	Recent Change Software Structure — General Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System
■ 218-799-229	1	Directory Number Translation — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System	■ 218-799-244	1	Recent Change Software Structures — Part 1 — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System
■ 218-799-230	1	CAMA Call Processing — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System	■ 218-799-245	1	Recent Change Software Structures — Part 2 — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System
Addendum	1		■ 218-799-246	1	Recent Change Software Structures — Part 3 — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System
■ 218-799-231	1	ANI Call Processing — Software Subsystem Description — No. 5 Crossbar Offices — Arranged for Electronic Translation System	■ 218-799-247	1	Recent Change Software Structures — Part 4 — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System
Addendum	2		■ 218-799-248	1	Recent Change Software Structure — Part 5 — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System
■ 218-799-232	1	Automatic Identified Outward Dialing — Software Subsystem Description — No. 5 Crossbar Offices — Arranged With Electronic Translation System	■ 218-799-249	1	Recent Change Software Structure — Part 6 — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System
■ 218-799-233	1	Network Management — Software Subscription — No. 5 Crossbar Offices Arranged with Electronic Translation System	■ 218-799-251	1	Miscellaneous Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System
■ 218-799-234	1	Remote Message Register Processing — Software Subsystem Description — Electronic Translation System — No. 5 Crossbar Offices	■ 218-799-252	1	Reallocation and Patches — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System
■ 218-799-235	1	Automatic Trouble Analysis — Software Subsystem Description — No. 5 Crossbar Office — Arranged With Electronic Translation System			
■ 218-799-241	1	General Purpose Routines — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System			

Number	Issue	Subject	Number	Issue	Subject
■ 218-799-253	1	Call Processing of AMARC Data — Software Subsystem Description — Arranged With Electronic Translation System	■ 218-799-274	1	Marker Distribute Point Diagnostic — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System
Addendum	1		■ 218-799-275	1	Diagnostic System Subroutines — Software Subsystem Description — Arranged for Electronic Translation System
■ 218-799-255	1	Stand Alone Audits — Part 1 — Software Subsystem Description — No. 5 Crossbar Offices Arranged With Electronic Translation System	218-799-302	3	Miscellaneous Operational Procedures — No. 5 Crossbar Offices — Arranged With Electronic Translation System
■ 218-799-256	2	Stand Alone Audits — Part 2 — Software Subsystem Description — No. 5 Crossbar Offices Arranged With Electronic Translation System	218-799-303	3	Tape Cartridges and Tape Data Facilities — General — No. 5 Crossbar Offices — Arranged With Electronic Translation System
Addendum	1		218-799-305	2	Processor Complex Diagnostic Procedures — No. 5 Crossbar Offices — Arranged With Electronic Translation System
■ 218-799-257	1	Stand Alone Audit — Part 3 — Software Subsystem Description — No. 5 Crossbar Offices Arranged With Electronic Translation System	218-799-306	1	Local Data Counts — Arranged With Electronic Translation System
Addendum	1		Addendum	1	
■ 218-799-258	1	Stand Alone Audits — Part 4 — Software Subsystem Description — No. 5 Crossbar Offices Arranged With Electronic Translation System	218-799-309	2	Data Base Simple Reallocation Procedure — Offices Arranged With Electronic Translation System
■ 218-799-270	1	Distributor and Scanner Control Circuits and Address Diagnostic Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System	218-799-310	1	System Initialization Procedures (Generic 2 and Subsequent Generic Issues) — No. 5 Crossbar Offices — Arranged With Electronic Translation System
■ 218-799-271	1	Directed Row Selection — Diagnostic — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System	218-799-311	1	Remote Message Register Tests — Arranged With Electronic Switching System
Addendum	1		Addendum	1	
■ 218-799-272	1	Directed Scan Diagnostic — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System	218-799-312	1	PBX-AIOD Tests — Arranged With Electronic Switching System
■ 218-799-273	1	Directed Distribute Diagnostic — Software Subsystem Description — No. 5 Crossbar Offices Arranged for Electronic Translation System	218-799-314	1	Automatic Trouble Analysis (ATA) — Miscellaneous Central Office Procedures — No. 5 Crossbar Offices Arranged With Electronic Translation System
			218-799-315	1	Distributor and Scanner Diagnostics — Offices With Electronic Translation System
			218-799-316	3	Data Base Audit Procedures — Arranged With Electronic Translation System



Number	Issue	Subject	Number	Issue	Subject
Addendum	1		Addendum	2	
218-799-317	6	Tape Cartridges — Miscellaneous Procedures — No. 5 Crossbar Offices — Arranged With Electronic Translation System	218-799-330	2	Recent Change Procedures — General — No. 5 Crossbar Offices — Arranged With Electronic Translation System
Addendum	1		Addendum	3	
218-799-318	4	Tape Cartridges — Updating and Backup Storage Plan Procedures — No. 5 Crossbar Offices — Arranged for Electronic Translation System	218-799-331	2	Recent Change Procedures — Lines, Trunks on the Line Link Frame, and Telephone Numbers — No. 5 Crossbar Offices Arranged With Electronic Translation Systems
218-799-319	2	Plant and Traffic Registrations — Lead Verification — Offices Arranged With Electronic Translation System	Addendum	1	
218-799-320	1	Line Sleeve Test Procedures — Arranged With Electronic Translation System	218-799-332	1	Recent Change Procedures — Initializing NBRXLT Links, Entry Code Switching, and Link Tests — No. 5 Crossbar Offices Arranged With Electronic Translation System
218-799-321	2	Completing Marker Distribute Point Diagnostics — No. 5 Crossbar Offices Arranged With Electronic Translation System	218-799-333	1	Recent Change Procedures — Trunks on the Trunk Link Frame — Arranged with Electronic Translation System
218-799-322	3	Generic Overwrite Procedures — Offices Arranged With Electronic Translation System	218-799-334	1	Recent Change Procedures — Trunk Group Control — No. 5 Crossbar Offices Arranged With Electronic Translation System
Addendum	1		218-799-335	3	Recent Change, Verification, and Table Printout — Procedures for Individual Data Base Tables — General — No. 5 Crossbar Offices Arranged With Electronic Translation System
218-799-323	1	System Initialization Procedures — No. 5 Crossbar Offices Arranged With Electronic Translation System	Addendum	1	
218-799-324	1	System Recovery Guidelines — No. 5 Crossbar Offices Arranged With Electronic Translating System	218-799-337	2	Recent Change Procedures — Input/Output Terminals — No. 5 Crossbar Offices — Arranged With Electronic Translation System
Addendum	1		Addendum	1	
218-799-325	1	Overwrite Carrier Tape Procedures — Arranged With Electronic Translation System	218-799-338	1	Recent Change Procedures — Measurement Registrations — Arranged With Electronic Translation Systems
218-799-326	2	Data Base Audit Procedures — Part 1 — No. 5 Crossbar Offices — Arranged With Electronic Translation System	218-799-339	1	Recent Change Procedures — Multiple and Mass Data Base Changes — No. 5 Crossbar Offices Arranged With Electronic Translation System
218-799-327	1	Data Base Audit Procedures — Part 2 — Arranged With Electronic Translation System			
218-799-328	1	Data Base Audit Procedures — Part 3 — Arranged With Electronic Translation System			
218-799-329	1	Data Base Audit Procedures — Part 4 — Arranged With Electronic Translation System			

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		Addendum	1	
218-799-340	2	Office Records — Printout Procedures — Offices Arranged With Electronic Translation System	218-799-354	1	Recent Change, Verification, and Table Printout Procedures for Individual Data Base Tables — Part 5 — No. 5 Crossbar Offices Arranged With Electronic Translation System
218-799-341	2	Office Records — Update Printout Procedures — Arranged with Electronic Translation System	Addendum	2	
218-799-345	1	Trunk Group Controls (TGC) — No. 5 Crossbar Offices Arranged With Electronic Translation System	218-799-355	1	Recent Change, Verification, and Table Printout Procedures for Individual Data Base Tables — Part 6 — No. 5 Crossbar Offices Arranged With Electronic Translation System
218-799-346	1	Route Switch (RTSW) — Arranged With Electronic Translation System	218-799-356	1	Recent Change, Verification, and Table Printout Procedures for Individual Data Base Tables — Part 7 — No. 5 Crossbar Offices Arranged With Electronic Translation System
218-799-347	1	Simulated Facilities (SIMFAC) — Arranged With Electronic Translation System	218-799-502	1	Automatic Number Identification — Program Controlled Transverter SD-28085-01 — Tests Using Master Test Frame — Arranged With Electronic Translation System
218-799-348	1	Traffic Sample Control — No. 5 Crossbar Offices Arranged With Electronic Translation System	218-799-503	1	Combined Program Controlled Transverter and Multifrequency Outgoing Sender ANI Tests Using Automatic Monitor, Register, and Sender Test Circuit SD-25680-01 — Offices Arranged With Electronic Translation System
218-799-350	1	Recent Change Verification, and Table Printout Procedures for Individual Data Base Tables — Part 1 — Arranged With Translation System	218-799-504	1	Combined Program Controlled Transverter and Multifrequency Outgoing Sender ANI Tests Using Sender Test Set SD-25674-01 (J24756A) — Offices Arranged With Electronic Translation System
Addendum	1		218-799-505	1	Centralized Automatic Message Accounting Program Controlled Transverter SD-28085-01 — Tests Using Master Test Frame — Offices Arranged With Electronic Translation System
218-799-351	1	Recent Change, Verification, and Table Printout Procedures for Individual Data Base Tables — Part 2 — No. 5 Crossbar Offices Arranged with Electronic Translation System	218-799-508	1	Power and Data Interface Circuit — SD-28114-01 — Tests — No. 5 Crossbar Offices Arranged for Electronic Translation System
Addendum	2				
218-799-352	1	Recent Change, Verification, and Table Printout Procedures for Individual Data Base Tables — Part 3 — No. 5 Crossbar Offices Arranged With Electronic Translation System			
Addendum	2				
218-799-353	1	Recent Change, Verification, and Table Printout Procedures for Individual Data Base Tables — Part 4 — No. 5 Crossbar Offices — Arranged With Electronic Translation System			

Number	Issue	Subject	Number	Issue	Subject
218-799-509	1	Maintenance Control and Display Panels — Tests — Offices Arranged With Electronic Translation System	218-925-501	4	4-Wire Dial Pulse Outgoing Senders — Tests Using Sender Test Set SD-25674-01 (J24756A)
218-799-701	2	Taking Electronic Translation System Equipment Out of Service	218-925-502	2	4-Wire Dial Pulse Outgoing Senders SD-27614-01 — Tests Using Automatic Monitor, Register, and Sender Test Circuit SD-25680-01
218-799-702	1	Handling — Electronic Translation System (ETS) Alarms	Addendum	1	
<b>218-9 4-Wire Circuits, No. 3, and No. 5A Crossbar</b>					
<b>4-Wire</b>					
218-901-501	3	4-Wire Auxiliary Line Circuits SD-27516-01 and SD-27517-01 — Tests Using 19A Testboard	218-926-501	3	4-Wire Multifrequency Incoming Register SD-26045-01 — Tests Using Test Set SD-25676-01 (J24756B or J24756C)
218-902-501	4	4-Wire Auxiliary Line Circuit SD-27738-01 — Tests Using Trunk Test Circuit SD-25918-01	Addendum	2	
218-902-502	1	4-Wire Auxiliary Line Circuit SD-27803-01 — Tests Using Trunk Test Circuit SD-25918-01	218-926-502	1	4-Wire Multifrequency Incoming Registers SD-26045-01 — Tests Using Automatic Monitor, Register and Sender Test Circuit SD-25680-01
218-903-501	1	Operator Originating Line Circuit — Test Using No. 19A Toll Testboard or No. 5D Toll Switchboard	218-932-501	2	4-Wire Station Ringer Test Circuit SD-27508-01 — Tests Using Trunk Test Circuit SD-25918-01
218-905-501	1	Line Link Circuits — Tests Using Master Test Frame	218-940-501	1	Toll Switching Trunk Circuits — Tests Using No. 5D Switchboard in Same Building
218-909-501	2	Trunk Link Circuits — Tests Using Master Test Frame	218-940-505	1	4-Wire Operator Tandem Trunk SD-27732-01 — Tests Using Trunk Test Circuit SD-25918-01
218-920-501	4	4-Wire Originating Register SD-26044-01 — Tests Using Test Set SD-25676-01 (J24756)	218-941-501	3	4-Wire Intercepting Trunk Circuit SD-27512-01 From Line Link Frame — Tests Using Master Test Frame
218-920-502	1	Originating Register Circuit ES-27656-01 — Tests Using the Master Test Frame	218-941-502	1	4-Wire Listed Directory Number and Intercepting Trunk Circuit SD-27747-01 — Tests Using Trunk Test Circuit SD-25918-01
Addendum	1		218-942-501	2	Permanent Signal Holding Trunk and Timing Circuits — Tests Using Trunk Test Circuit SD-25918-01
218-920-503	1	4-Wire Originating Register SD-26044-01 — Tests Using Automatic Monitor, Register and Sender Test Circuit	218-943-501	3	4-Wire, 2-Way Trunk Circuit SD-27744-1 to a PBX — Tests Using Trunk Test Circuit SD-25918-01
218-924-501	3	4-Wire Multifrequency Outgoing Senders — Tests Using Sender Test Set, SD-25674-01 (J24756A)	218-944-501	5	4-Wire Tone, Announcement, and Permanent Signal Overflow Trunk Circuits SD-27504-01 — Tests Using Trunk Test Circuit SD-25918-01
218-924-502	2	4-Wire Multifrequency Outgoing Senders SD-26054-01 — Tests Using the Automatic Monitor, Register, and Sender Test Circuit SD-25680-01	218-945-501	1	Announcement Trunks Assigned to Line Link Frame Location — Tests Using Trunk Test Circuit SD-25918-01

Number	Issue	Subject	Number	Issue	Subject
218-946-501	6	4-Wire 2-Way Intertoll Trunks — Tests Using Trunk Test Circuit SD-25918-01	❶ 218-964-501	1	Trunk Link Circuits SD-26032-05 — Tests — Using Test Circuit SD-26319-05
218-946-503	2	4-Wire Outgoing Intertoll Trunk SD-27842-01 Tests Using Trunk Test Circuit SD-25918-01	❶ 218-965-501	1	Intraoffice Trunk Circuits — Tests Using Test Circuit SD-26319-05
Addendum	1		❶ 218-965-502	1	Reverting Call Trunks — Tests Using Test Circuit SD-26319-05
218-947-501	5	4-Wire, 2-Way Trunks to a PBX SD-27535-01 — Tests Using Trunk Test Circuit SD-25918-01	❶ 218-965-503	1	Incoming Trunk Circuits — Tests Using Test Circuit SD-26319-05
218-948-501	5	4-Wire Intraoffice Trunk Circuits — Tests Using Trunk Test Circuit SD-25918-01	❶ 218-965-504	1	2-Way Operator Office Trunk Circuit SD-27593-05 — Tests — Using Test Circuit SD-26319-05 and No. 1, 3, 3C, or 3CL Toll Switchboards
218-949-501	2	Outgoing Station Trunk Circuit SD-27642-01 — Tests Using Trunk Test Circuit	❶ 218-965-505	1	Intercept Trunks — SD-26121-05 — Tests Using Test Circuit SD-26319-05
218-953-501	2	4-Wire Local and Remote Zero Operator or Vacant Code Intercepting Trunk Circuit SD-27733-01 — Tests Using Trunk Test Circuit SD-25918-01	❶ 218-965-506	1	Outgoing Trunk and Junctor Circuits — Tests Using Test Circuit SD-26319-05
218-954-501	2	Recording Completing or Vacant Code Intercepting Trunk Circuit SD-27503-01 — Tests Using Trunk Test Circuit SD-25918-01	❶ 218-965-507	1	Recording Completing, Special Service — Trunk Circuits — Tests Using Test Circuit SD-26319-05
218-955-501	3	Conference Bridge and Line Circuit, Conference Controller, and Conference Trunk — Tests Using 19A Testboard and Master Test Frame	❶ 218-965-508	1	Outgoing Trunks to Traffic Service Position (TSP) or Traffic Service Position System (TSPS) No. 1 — Tests Using Test Circuit SD-26319-05
218-956-501	2	4-Wire Attendant Trunk Circuit SD-27844-01 — Tests Using Trunk Test Circuit SD-25918-01	❶ 218-965-509	2	911 Emergency Reporting — Service Trunks SD-27996-01 — Tests Using Test Circuit SD-26319-05
218-957-501	2	4-Wire 2-Way Trunk Circuit SD-27843-01 for Off-Net Access Service — Tests Using Trunk Test Circuit SD-25918-01	❶ 218-965-515	2	Trunk Transmission Tests — Circuits Terminated on Trunk Link Frame — Using Test Circuit SD-26319-05
5A Crossbar			❶ 218-965-516	2	Trunk Transmission Tests — Circuits Terminated on Line Link Frame — Using Test Circuit SD-26319-05
❶ 218-960-020	1	General Descriptive Information	❶ 218-965-520	1	Station Ringer Test Circuit SD-26109-01 — Tests Using Test Circuit SD-26319-05
❶ 218-960-501	1	Line Link Circuit SD-26030-05 — Tests Using Test Circuit SD-26319-05	❶ 218-965-521	1	Coin Supervisory and Coin Supervisory Release Circuits — Tests Using Test Circuit SD-26319-05
❶ 218-960-502	1	Line Verification — Tests Using Test Circuit SD-26319-05	❶ 218-967-501	1	Number Group Circuits SD-26034-05 — Miscellaneous Tests — Using Test Circuit SD-26319-05
❶ 218-961-501	1	Emergency Line Circuits — Tests Using Test Circuit SD-26319-05			
❶ 218-961-505	1	Permanent Signal Holding Trunk and Associated Circuits — Tests Using Test Circuit SD-26319-05			

Number	Issue	Subject	Number	Issue	Subject
❶ 218-968-501	1	Incoming Register SD-26323-05 — Multifrequency and Dial Pulse Tests — Using Test Circuit SD-26319-05	❶ 218-974-504	1	Master Traffic Control Circuit SD-26020-05 — for Marker Connectors — Tests
❶ 218-969-501	1	Outgoing Sender SD-26322-05 — Tests	❶ 218-975-501	1	Outgoing Sender Connector SD-26059-05 — Outgoing Sender Link and Stuck Sender Trunk — Identifier SD-26329-05 — Tests Using Test Circuit SD-26319-05
❶ 218-970-501	1	ANI Translator — SD-26019-05 — Tests Using Test Circuit SD-26319-05	❶ 218-975-503	1	Incoming Register Link Circuit SD-26330-05 — Tests
❶ 218-971-501	1	ANI Transverter and Connector Circuit SD-26325-05 — Tests Using Test Circuit SD-26319-05	❶ 218-975-504	1	Coin Supervisory Link Circuit SD-26343-05 — Tests
❶ 218-971-502	1	ANI Translator Line Verification — Tests Using Portable AMA Translator Line — Verification Test Circuit SD-27632-01 and Trouble Recorder SD-26320-05	❶ 218-977-100	2	Local and Remote Trouble Recording and Make-Busy Facilities
❶ 218-972-501	1	Originating Register — Dial Pulse or Touch-Tone Calling SD-26040-05 — Tests Using Test Circuit SD-26319-05	❶ 218-978-501	1	Subscriber Message Registers — Test Using Test Circuit SD-26319-05
❶ 218-972-502	1	Group-Busy Circuit SD-25795-05 — For Originating and Incoming Registers — Tests Using Test Circuit SD-26319-05	❶ 218-979-001	1	Traffic Register Lead Index
❶ 218-973-001	1	Marker Tests — Index — Using Test Circuit SD-26319-05	❶ 218-979-301	1	Method of Adding Plug-In Units
❶ 218-973-501	1	Marker Tests — Part 1 — Using Test Circuit SD-26319-05	❶ 218-979-331	1	Time of Day Circuit SD-26347-05 — Method of Procedure
❶ 218-973-502	1	Marker Tests — Part 2 — Using Test Circuit SD-26319-05	❶ 218-979-501	1	Traffic Registers — Part 1 — Tests Using Test Circuit SD-26319-05
❶ 218-973-503	1	Marker Tests — Part 3 — Using Test Circuit SD-26319-05	❶ 218-979-502	1	Traffic Registers — Part 2 — Tests Using Test Circuit SD-26319-05
❶ 218-973-504	1	Marker Tests — Part 4 — Using Test Circuit SD-26319-05	❶ 218-979-503	1	Traffic Registers — Part 3 — Tests Using Test Circuit SD-26319-05
❶ 218-973-505	1	Marker Tests — Part 5 — Using Test Circuit SD-26319-05	❶ 218-979-504	1	Traffic Registers — Part 4 — Tests Using Test Circuit SD-26319-05
❶ 218-973-506	1	Marker Tests — Part 6 — Using Test Circuit SD-26319-05	❶ 218-979-510	2	Alarm Sending Circuit SD-27594-05 — Tests
❶ 218-973-507	1	Marker Tests — Part 7 — Using Test Circuit SD-26319-05	❶ 218-979-511	2	Alarm Sending Circuit SD-26344-05 — Tests
❶ 218-973-508	1	Marker Tests — Part 8	❶ 218-979-512	1	60- or 120-IPM Interrupter Circuit SD-25814-05 — Tests
❶ 218-973-509	1	Marker Tests — Part 9 — Using Test Circuit SD-26319-05	❶ 218-979-513	1	Audible Alarm KS-21015 — Frequency Adjusting Procedure — No. 5A Crossbar Offices
❶ 218-974-501	1	Line Link Marker Connector and Control Circuit — Tests	❶ 218-979-520	1	Plant Registers SD-25793-05 — Tests Using Test Circuit SD-26319-05
❶ 218-974-502	1	Originating and Incoming Register — Marker Connectors and Control Circuits — Tests	❶ 218-979-530	1	Customer Line and Outgoing Trunk Conductors — Voltmeter Tests Using Test Circuit — SD-26319-05
❶ 218-974-503	1	Preference Control and Make-Busy Circuit for Connectors — Tests			

Number	Issue	Subject	Number	Issue	Subject
<b>3 Crossbar</b>					
① 218-985-501	1	Line, Line Switch, and Connector Circuit — SD-26382-01 — Tests Using Test Circuit SD-26411-01	① 218-986-511	1	Outgoing Trunks to Directory Assistance, Repair Service and Local Test Desk — Tests Using Test Circuit SD-26411-01
① 218-985-502	1	Line Verification — Tests Using Test Circuit SD-26411-01	① 218-986-512	1	2-Way Operator Office Trunk SD-26429-01 — Tests — Using Test Circuit SD-26411-01 and No. 1, 3, 3C, or 3CL Toll Switchboards
① 218-985-503	1	Line Number Translator and Connector Circuit SD-26388-01 — Tests Using Test Circuit SD-26411-01	① 218-987-001	1	Marker Tests — Index — Using Test Circuit SD-26411-01
① 218-985-504	1	Customer Line and Outgoing Trunk Conductors — Voltmeter Tests Using Test Circuit — SD-26411-01	① 218-987-501	1	Marker Tests — Part 1 — Using Test Circuit SD-26411-01
① 218-985-505	1	Emergency Reporting Auxiliary Line Circuit SD-26449-01 — Tests Using Test Circuit SD-26411-01	① 218-987-502	1	Marker Tests — Part 2 — Using Test Circuit SD-26411-01
① 218-985-506	1	Message Register and Auxiliary Coin Line Charging — Tests Using Test Circuit SD-26411-01	① 218-987-503	1	Marker Tests — Part 3 — Using Test Circuit SD-26411-01
① 218-986-501	1	Trunk Switch Circuit SD-26383-01 — Tests Using Test Circuit SD-26411-01	① 218-987-504	1	Marker Tests — Part 4 — Using Test Circuit SD-26411-01
① 218-986-502	1	Permanent Signal Trunks and Trouble Permanent Signal Overflow Counter Circuit — Tests	① 218-987-505	1	Marker Tests — Part 5 — Using Test Circuit SD-26411-01
① 218-986-503	1	Intraoffice Trunk Circuits SD-26397-01 — Tests Using Test Circuit SD-26411-01	① 218-987-506	1	Marker Tests — Part 6 — Using Test Circuit SD-26411-01
① 218-986-504	1	Reverting Call Trunks — Tests Using Test Circuit SD-26411-01	① 218-988-501	1	Originating Register — Dial Pulse or Touch-Tone Calling — SD-26385-01 — Tests Using Test Circuit SD-26411-01
① 218-986-505	1	Incoming Trunk Circuits — Tests Using Test Circuit SD-26411-01	① 218-988-502	1	Incoming Register SD-26386-01 — Multifrequency and Dial Pulse Tests Using Test Circuit SD-26411-01
① 218-986-506	1	Outgoing Trunks — Tests Using Test Circuit SD-26411-01	① 218-989-501	1	Outgoing Sender SD-26387-01 — Tests Using Test Circuit SD-26411-01
① 218-986-507	1	Intercept Trunk Circuits — SD-26403-01, SD-26404-01, and SD-26446-01 — Tests Using Test Circuit SD-26411-01	① 218-990-301	1	Methods of Denying and Restoring Service on Customer Lines
① 218-986-508	1	Recording Completing, Special Service Trunk Circuits — Tests Using Test Circuit SD-26411-01	① 218-990-302	1	Method of Adding Plug-In Units
① 218-986-509	1	Outgoing Trunks to Traffic Service Position (TSP) or Traffic Service Position System (TSPS) No. 1 — Tests Using Test Circuit SD-26411-01	① 218-990-501	1	Marker Connector SD-26389-01 — Tests
① 218-986-510	1	Trunk Transmission Tests — Using Test Circuit SD-26411-01	① 218-990-502	1	Plant Registers — Tests Using Test Circuit SD-26411-01
			① 218-990-503	1	Incoming Register Link Circuit SD-26394-01 — Tests
			① 218-990-504	1	Traffic Registers — Tests Using Test Circuit SD-26411-01
			① 218-990-505	1	Alarm Sending Circuit SD-26442-01 — Tests
			① 218-990-506	1	60-IPM or 120-IPM Interrupter Circuit SD-26407-01 — Tests
			① 218-990-507	1	Auxiliary Line Circuit SD-26431-01 for Call-Waiting Service — Tests

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
① 218-990-508	1	Outgoing Sender Link and Stuck Sender Trunk Identifier SD-26395-01 — Tests Using Test Circuit SD-26411-01
① 218-990-509	1	Message Register Power Supply and Associated No Voltage Alarm Circuit SD-26408-01 — Tests
① 218-990-510	1	Voice Alarm and Control Circuit SD-26390-01 for Announcement System — Tests

**Division 220**

**Crossbar Tandem Offices**

**220-0 Indexes and Administrative Practices**

-020 Network Switched Services (Administration and Maintenance) Methods

-040 Measurements

-060 Network Design

**220-1 Sender, Sender Link and Controller, Incoming Register, Incoming Register Link, Marker and Translator, Marker Connector, Office Links, Trunk Link and Connector and Associated Circuits**

-100 General System Information

**220-4 Miscellaneous Tests and Testing Equipment**

**220-5 Automatic Message Accounting**

**220-6 No. 100A Traffic Service Position**

Number	Issue	Subject
220-000-000	39	Numerical Index — Division 220 — Crossbar Tandem Offices

**220-001 Controlled Maintenance Plan and Equipment Test Lists (ETL)**

220-001-011	4	ETL — Common Equipment
220-001-012	10	ETL — Senders
220-001-013	10	ETL — Incoming Trunks
220-001-014	7	ETL — Test Frames
220-001-015	7	ETL — Miscellaneous
220-001-016	11	ETL — Fuse Alarms
220-001-017	13	ETL — CAMA Equipment
220-001-018	9	ETL — No. 100A Traffic Service Position
220-001-019	4	ETL — Outgoing Trunks

**220-020 Network Switched Services (Administration and Maintenance) Methods**

220-020-005	4	Network Switching Performance Measurement Plan — Network Switched Services
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Number	Issue	Subject
220-020-010	1	Routing Verification — Switching Systems
220-020-030	2	Ineffective Machine Attempt Report — Preparation and Analysis
220-020-040	1	Transition Management — Method of Procedure
220-020-050	1	Traffic Supervisory Cabinet
220-020-055	1	Traffic Control Console
220-020-110	1	Office Link Frame — Line and Trunk Administration
220-020-112	1	Trunk Link Frame — Line and Trunk Administration
220-020-114	1	Marker Assignments — Line and Trunk Administration
220-020-116	1	Service Observing Assignments — Line and Trunk Administration
220-020-118	1	Centralized Automatic Message Accounting — Computerized (CAMA- C) — Line and Trunk Administration
220-020-510	3	Controlled Maintenance Plan — Description
220-020-511	1	Administrative and Technical Operational Review — Network Maintenance Management Plan (NMMP)
220-020-520	1	Portable Maintenance Equipment — Cords, Tools, and Materials
220-020-530	1	Central Office Automatic Message Accounting Equipment — Precautions to Limit Stoppages in No. 1 Accounting Center
220-020-540	1	System Administration — Computerized Maintenance and Administration Support System III (COMAS III) Generic 1
220-020-541	1	System Administration — COMAS III Generic 2 — Machine Operation and Maintenance Administration
<b>220-040 Measurement</b>		
220-040-010	1	Traffic Measurements — General Description
<b>220-060 Network Design</b>		
220-060-100	1	Traffic Data for Engineering



Number	Issue	Subject	Number	Issue	Subject
① 220-060-110	1	Supplemental Information	Addendum	1	
① 220-060-120	2	Trunk Link and Office Link Frames — General Description	220-103-501	9	Dial Pulse Sender SD-25999-01 and 3-Digit Incoming Register SD-25534-01 — Tests Using Sender Test Frame SD-25963-01
① 220-060-130	1	Trunk Link and Office Link Frames — Determination of Quantities	Addendum	2	
① 220-060-140	1	Trunks	220-103-502	1	Multifrequency Sender SD-27024-01 and 10-Digit Dial Pulse Register SD-27101-01 — Test Using Sender Test Frame SD-25963-01
① 220-060-150	1	Sender Link Frames	Addendum	1	
① 220-060-160	1	Senders	220-103-503	1	PCI Sender SD-25961-01 — Tests Using Sender Test Frame SD-25963-01
① 220-060-170	1	Markers — General Description	220-103-504	1	Revertive Pulse Senders SD-25359-01 — Tests Using Sender Test Frame SD-25963-01
① 220-060-180	1	Markers — Determination of Quantities	220-105-501	9	Sender Link and Controller Circuit — Tests
① 220-060-190	1	Incoming Registers	220-107-501	3	Sender Register Connectors — Timing Tests
① 220-060-200	1	Network Management Facilities	220-109-501	4	Intersender Timing Control Circuit — Tests
① 220-060-210	2	Centralized Automatic Message Accounting	220-110-501	6	Sender Attachment Delay Recorder — Tests
① 220-060-220	1	Traffic Registers	220-115-501	5	Incoming Register Circuit SD-25534-01 — Link Alarm Test
① 220-060-230	1	100A Traffic Service Positions Associated With Crossbar Tandem	220-115-503	6	Pulse Interrupter of RP Senders — Tests
			220-118-501	5	Incoming Register Links — Miscellaneous Tests
			220-119-301	6	Markers, Test Frames, and Traffic Register Distributing Frames — Cross-Connection Methods
			220-120-301	1	Cross-Connection and Record Forms
			220-121-301	7	Tandem Marker SD-25361-01 Cross Connections
			220-121-501	9	Markers and Translators — Tests Using Trouble Indicator
			220-121-502	1	Trouble Indicator Records
			220-121-503	9	Markers and Translators — Tests Using Trouble Recorder Frame
			Addendum	1	
			220-121-505	7	Markers and Translators — Miscellaneous Tests
			220-122-501	2	Pretranslator Test Using Pretranslator Test and Trouble Indicator Circuit
<b>220-1 Sender, Sender Link and Controller, Incoming Register, Incoming Register Link, Marker and Translator, Marker Connector, Office Links, Trunk Link and Connector and Associated Circuits</b>					
<b>220-100 General System Information</b>					
220-100-000	2	Crossbar Tandem — General Description Information			
220-100-001	2	Centralized Automatic Message Accounting (CAMA) — General Description Information			
220-100-003	1	General Description — Traffic Service Position (TSP) — Crossbar Tandem Switching System			
① 220-100-004	1	Centralized Automatic Message Accounting and Traffic Service Position Operation			
Addendum	2				
220-101-501	3	Dial Pulse Senders — SD-25866-01 — Tests			
220-101-502	12	Revertive Pulse, Dial Pulse, and Multifrequency Senders — Using Automatic Sender Test Frame SD-25364-01			
220-102-501	1	PCI, DP, MF, and RP Sender — Relay Pulsing Requirement Tests			

Number	Issue	Subject	Number	Issue	Subject
220-123-501	3	Dynamic Overload Control Circuit SD- 27737-01 — Tests	220-160-505	3	Continuity and Polarity Test of Outgoing Trunks at Outgoing Trunk Test Frame — Using Test Circuit SD-96370-01
220-125-501	3	Marker Connectors SD-25360-01 — Tests	220-160-507	4	Outgoing Trunks — Tests Using Outgoing Trunk Test Frame SD-25177-01
Addendum	1		220-161-501	1	Announcement Connecting Trunk Circuit SD-27047-01
220-125-503	4	Marker Connectors SD-25488-01 — Tests	220-177-301	1	Remote Control Zone Registration — Cross-Connections
220-128-301	3	Trunk Link and Office Link Frames — Alarm Routine	Addendum	1	
220-128-302	3	Office Link Frame — Taking Equipment Out of Service	220-179-301	5	Interrupter Frame — Taking Equipment Out of Service
220-128-501	5	Office Link and Connector Circuits — Tests			
220-130-501	4	Trunk Link and Connector Circuits — Manual Tests			
220-132-301	1	Tandem Trunk Frame — Taking Equipment Out of Service			
220-137-501	1	Incoming Trunks Not Arranged for Remote Control Zone Registration — Tests Using Manual Test Set	<b>220-4 Miscellaneous Tests and Testing Equipment</b>		
220-137-502	4	Incoming Trunks — Tests Using Outgoing Trunk Test Frame SD-25177-01	220-401-501	11	Traffic Registers — Tests
220-137-503	10	Incoming Trunks not Arranged for Remote- Control Zone Registration or CAMA — Tests Using Test Set SD-25518-01 or SD-27058-01	220-403-501	10	Plant Registers — Tests
220-137-504	3	Incoming Trunks — Tests Using Manual Outgoing Trunk Test Circuit SD-95476-	220-405-501	1	PBX DOD Trunk Circuit — Message Register Test
220-137-504	3		220-407-501	3	Alarm Sending and Transfer Circuits — Tests
220-138-501	3	Incoming Trunks — Arranged for Remote Control Zone Registration — Tests Using Automatic Test Circuit SD-25368-01	220-408-501	1	Telecommunications Alarm Surveillance and Control (TASC) — Interconnection Circuit Tests
220-139-501	1	Auxiliary Incoming Trunk Circuit — Composite Signaling Type B — Tests Using Auxiliary Trunk Test Set SD-96424-01	220-409-501	10	Outgoing Trunk Transmission Tests Using Manual Outgoing Trunk Test Frame SD- 25177-01 or SD-95476-01
220-141-501	2	Data Transfer Circuit SD-27100-01 — Tests	220-412-301	5	Fuse Alarm Routine
220-160-501	10	Trunks on Office Link Frame — Tests Using Automatic Incoming Trunk Test Circuit SD-25161-01	220-412-501	9	Fuse Alarms — Tests
220-160-503	6	Outgoing Trunks — Tests Using Manual Outgoing Trunk Test Frame SD-95476-01	220-414-301	3	Motor Stop Alarm Routine
			220-414-501	3	Motor Stop Alarm — Tests
			220-420-301	4	Interrupter Checking Circuit Alarm Routine — Tandem Trunks
			220-420-501	5	Interrupter Checking Circuit Alarms — Tandem Trunks
			220-422-101	2	Computerized Maintenance and Administration Support III (COMAS III) — Description
			220-422-301	3	Ineffective Attempt Feature (Generic 1) — Operating Procedures — Computerized Maintenance and Administration Support III (COMAS III)
			220-422-302	2	Marker All Codes Test — Operating Procedures — Computerized Maintenance and Administration Support III (COMAS III)

Number	Issue	Subject	Number	Issue	Subject
220-422-303	2	Computerized Maintenance and Administration Support III (COMAS III) — Trouble Sectionalizing	220-461-301	9	Incoming Trunk Test, Connector, and Supplementary Frames — Cross-Connections
220-422-304	2	Input/Output Message Manual Computerized Maintenance and Administration Support III (COMAS III)	220-461-501	2	Incoming Trunk Automatic Test Circuit SD-25161-01 — Tests
220-422-305	1	Trunk Group Data Base (Generic 2) Generation and Maintenance — Computerized Maintenance and Administration — Support III (COMAS III)	220-461-502	1	Incoming Trunk Test Circuit SD-25161-01 — Compensation for Office Wiring When Using ATTC — Crossbar Tandem Switching Systems
220-422-306	1	System Verification Tests (Generic 2) — Operating Procedures — Computerized Maintenance and Administration Support III (COMAS III)	▲220-462-000	2	Remote Office Test Line (ROTL)
220-422-307	2	Ineffective Attempt Feature — Generic 2 Operating Procedures — Computerized Maintenance and Administration Support III (COMAS III)	220-462-101	2	Remote Office Test Line (ROTL) SD-28067-01 — Descriptive Information
220-425-501	4	Traffic Control Circuit SD-27855-01 — Tests	220-463-501	4	KS-13834 Perforator and Trouble Recorder Circuit — Tests
220-430-101	2	Point-to-Point Data Recorder Frame SD-27948-01 — Description	<b>220-5 Automatic Message Accounting</b>		
220-430-501	2	Point-to-Point Data Recorder Frame SD-27948-01 — Tests	220-501-501	9	Transverters — Tests Using Sender Test Frame SD-25963-01 — Arranged for CAMA
220-450-501	1	Sender Test Frame SD-25364-01 — Tests	220-501-503	8	Transverter — Miscellaneous Tests — Offices Arranged for CAMA
220-451-501	7	Sender Test Frame SD-25963-01 — Tests	220-503-501	4	Transverter Connectors — Tests — Arranged for CAMA
220-455-501	4	Marker Trouble Indicator — Tests	220-505-501	4	Recorder and Recorder Connector Circuit SD-25872-01 — Tests — Arranged for AMA
220-457-501	1	Trunk Automatic Test Circuit — Arranged for Zone Registration — Tests	Addendum	1	
220-459-501	8	Trunk Automatic Test Circuit SD-25960-01 — Tests — Arranged for CAMA	220-506-501	2	Call Identity Indexer Circuit SD-25621-01 — Tests
220-460-101	3	Automatic Transmission Test and Control Circuit (ATTC) — Description	220-507-501	7	Billing Indexer — Tests Using Sender Test Frame SD-25963-01 — Offices With CAMA
220-460-501	5	Automatic Transmission Test and Control Circuit SD-68446-01 and Associated Amplifiers and Amplifier-Rectifier — Tests	220-507-503	6	Billing Indexer — Miscellaneous Tests — Offices With CAMA
220-461-101	4	Incoming Trunk Test Frame SD-25161-01 — Description and Operation	220-513-501	6	CAMA Suspension Circuit — Tests — Arranged for CAMA
			220-515-501	8	CAMA Position Circuits — Operational Test and Transmission Measurement Using Sender Test Frame SD-25963-01
			220-515-502	2	Remote CAMA Position Circuits — Operational and Transmissions Tests Using Manual Outgoing Trunk Test Frame
			220-516-503	5	CAMA Calls Waiting Signal Circuit and CAMA 2-Way Signaling Circuit — Manual Tests

Number	Issue	Subject	Number	Issue	Subject
220-517-301	1	Position Link and Controller Circuit — Analyzing Trouble Conditions — Offices Arranged for CAMA	Addendum	1	
220-517-501	4	Position Link Circuits SD-25964-01 — Tests Using Sender Test Frame SD- 25963-01	220-604-501	1	Timer Link and Control Circuits — Tests
220-517-503	3	CAMA Position Link and Controller — Miscellaneous Tests	220-605-501	2	Traffic Regulator — Tests
220-530-501	2	Line Observing Circuits — Tests Using Sender Test Frame — Offices Arranged for CAMA	Addendum	1	
220-531-501	9	Incoming Trunks — Tests Using Trunk Automatic Test Circuit SD-25960-01 — Arranged for CAMA	220-610-501	3	Position and Position Control Circuits — Tests Using Position Test Circuit SD- 95984-01
220-532-301	2	Verification of CAMA Trunk Decade Cross Connections on Sender Link Frames and Trunk Test Frame Using Trunk Automatic Test Circuit SD-25960-01 — Offices Arranged for CAMA	220-610-502	3	Position and Position Control Circuits SD- 95909-01 and SD- 95910-01 — Miscellaneous Tests
220-535-301	5	Master Timing Circuit SD-25633-01 With Six-Second Timing Features — Methods of Handling Alarms	220-612-501	2	Selecting and Monitoring Circuit — Tests Using Position Test Circuit SD-95984-01
220-535-302	2	Master Timing Circuit SD-25633-01 — Taking Equipment Out of Service	220-614-501	2	Control Signaling Circuits — Miscellaneous Tests
220-535-303	4	Master Timing Circuit SD-25633-01 — Daylight Saving Time and Leap Year Changes	220-616-501	2	Position Signaling Circuit — Miscellaneous Tests
220-535-304	1	Master Timing Circuit SD-25633-01 With One-Second Timing Features — Method of Handling Alarms	220-618-501	3	Operator Identified Trouble Tracing Circuit — Miscellaneous Tests
220-535-501	8	Master Timing Circuit SD-25633-01 Six- Second Timing Features — Tests	220-620-501	2	Chief Operator's Administration Circuit — Tests
220-535-502	1	Master Timing Circuit SD-25633-01 — One-Second Timing Features — Tests	220-624-501	1	Control Pulsing Circuit and MF Receiver Circuit — Tests Using Control Pulsing Test Circuit SD- 95985-01
			220-624-502	1	Control Pulsing Circuits — Miscellaneous Tests
			220-626-501	1	Position Display Circuit and MF Receiver Circuit — Tests Using Position Display Test Circuit SD- 95986-01
			220-626-502	1	Position Display Circuits — Miscellaneous Tests
			220-629-501	1	Transfer Trunks — Tests Using Transfer Trunk Test Circuit SD- 27106-01
			220-630-501	2	Delayed Call Trunk — Test
			220-634-501	2	Allotter and Trouble Indicator — Tests
			220-640-501	2	Coin Charge Computers — Tests Using Coin Charge Computer Test Circuit
			220-642-501	4	Rater Circuit SD-95992-01 — Tests Using Rater Test Circuit SD-95993-01
			220-644-501	5	Rate Calendar Circuit — Tests
<b>220-6 No. 100A Traffic Service Position</b>					
220-601-501	1	TSP Position Link and Connector — Tests			
220-603-501	2	TSP Position Link Controller — Tests			

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Number	Issue	Subject
220-648-501	1	Position Test Circuit — Tests Arranged for 100A Traffic Service Position
220-650-501	3	Control Pulsing Test Circuit — Tests
220-652-501	3	Position Display Test Circuit — Tests
220-658-501	1	10-Digit Dial Pulse Register Circuit SD- 27101-01 — Link Alarm Test
220-660-501	2	Automatic Training Circuits — Tests Using Test Tapes

**Division 225**

**Testing Information Applying to Specific Step-By-Step and Community Dial Offices**

Number	Issue	Subject
225-001-018	4	Equipment Unique to 35-E-97 Office
225-001-019	4	Equipment Unique to 375A/B Office
225-001-020	3	Equipment Unique to North Electric Co. Office

**225-0 Indexes and Administrative Practices**

**225-1 Line Switch and Plunger Type Out Trunk Switch Offices**

**225-2 350A Step-By-Step Offices**

**225-3 355A Community Dial Offices**

**225-4 356A Community Dial Offices**

**225-5 360A Step-By-Step Offices**

**225-6 35-E-97 Community Dial Offices**

**225-7 375A and 375B Community Dial Offices**

**225-8 North Electric Company CX-Type Community Dial Offices**

**225-1 Line Switch and Plunger Type Out Trunk Switch Offices**

**225-100 General System Information**

225-100-500	5	Primary Line Switch Relays — Plunger Type — Operation Tests
225-105-500	5	Primary Line Switch and Master Switch — Plunger Type — Operation Test
225-105-501	2	Traffic Registers Associated With Primary Line and Master Switches — Plunger Type — Operation Tests
225-110-500	3	Secondary Line and Master Switches With Allotter — Operation Tests
225-110-501	3	Secondary Line and Master Switches Without Allotter — Plunger Type — Operation Tests
225-110-502	1	All Trunks Busy Traffic Register Circuit Test — Secondary Line Switch
225-115-500	2	Line Message Registers Associated With Line Switch Equipment — Tests Using Message Register Test Set ES-360006 (X61163)
225-120-500	1	Class of Service Tone — Operation Test — Primary Line Switch Groups
225-125-500	1	Out Trunk Switch Relays — Plunger Type — Operation Test
225-130-500	2	Out Trunk Switch and Master Switch — Tests
225-130-501	1	Traffic Registers Associated With Plunger Type Out Trunk Switches — Operation Test
225-135-500	3	Individual Line Message Rate Trunks — Line Switch Type — Operation Tests Using Test Set ES-30290-01

Number Issue Subject

**225-0 Indexes and Administrative Practices**

225-000-000	22	Numerical Index — Division 225 — Testing Information Applying to Specific — Step-by-Step and Community Dial Offices
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**225-001 Equipment Test Lists (ETL)**

225-001-010	1	Community Dial Switching Systems — Controlled Maintenance Plan
225-001-011	1	Line Switch, Plunger Type
225-001-012	2	Master Switches, Plunger Type
225-001-013	2	Out Trunk Switches
225-001-014	5	Equipment Unique to 350A Office
225-001-015	4	Equipment Unique to 355A Office
225-001-016	3	Equipment Unique to 356A Office
225-001-017	3	Equipment Unique to 360A Office

Number	Issue	Subject	Number	Issue	Subject
<b>225-2 350A Step-By-Step Offices</b>			<b>225-340-500</b>		
225-200-500	4	Local and Combination Connectors — Local Operation Tests — Using Trunk Test Set SD-90469-01 or SD-90469-02	2	2	Switch Trouble, Fuse and Permanent Alarms — Operation Tests
225-205-500	4	Toll and Combination Connectors — Toll Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02	225-345-500	6	Trouble and Fuse Alarms — Miscellaneous Circuits — Operation Tests
225-205-501	3	Toll and Combination Connectors — Toll Operation Tests Using Test Set SD- 90416-01 (J94704A)	225-350-500	1	Traffic Registers — Operation Tests
225-205-502	3	Toll and Combination Connectors — Toll Operation Tests Using Test Set SD- 90416-01 (J94704A) and Test Line SD-32198-01	<b>225-4 356A Community Dial Offices</b>		
<b>225-3 355A Community Dial Offices</b>			225-400-500	4	Local Connectors — Operation Tests Using Test Set SD-31859-01 (J34722B) and Test Line SD-30981-01
<b>225-300 355A Community Dial Offices</b>			225-405-500	1	Distributor Circuits — Operation Tests Using Test Set SD-31859-01 (J34722B)
● 225-300-100	1	General	225-410-500	2	Switch Trouble, Fuse, Permanent and Miscellaneous Alarms — Operation Tests
225-300-500	3	Selector Repeaters — Operation Tests Using Test Set SD-31859-01 (J34722B)	225-415-500	1	Traffic Registers — Operation Tests
225-310-500	3	A-B Transmission Selectors — Operation Tests Using Test Set SD-31858-01 (J34701A)	<b>225-5 360A Step-By-Step Offices</b>		
225-320-500	2	Outgoing Intercepting Trunks and Vacant Code Trunks — Operation Test Using Test Set SD-31858-01 (J34701A)	225-500-500	1	Toll or A-B Toll Transmission Selectors — Operation Test Using Dial Hand Test Set
225-320-501	2	Outgoing Intercepting Trunks and Vacant Code Trunks — Operation Test Using Test Set SD-31859-01 (J34722B)	225-505-500	2	Combination Connectors — Toll Operation — Tests Using Test Set SD-90416- 01 (J94704A)
Addendum	1		225-505-501	2	Combination Connectors — Toll Operation — Tests Using Test Set SD-90416- 01 (J94704A) and Test Line SD-32198-01
225-325-500	2	Outgoing Interoffice Trunks — Operation Tests Using Test Set SD-31858-01 (J34701A)	225-510-500	2	Reverting Call Equipment — Operation Tests Using Dial Hand Test Set
225-330-500	5	Message Rate Trunk Circuits — Operation Tests Using Test Set SD-31858-01 (J34701A)	225-515-500	1	Switch Trouble, Fuse and Permanent Alarms — Operation Tests
225-330-501	5	Message Rate Trunk Circuits — Operation Tests Using Test Set SD-31859-01 (J34722B)	225-520-500	1	Miscellaneous Trouble and Fuse Alarms — Operation Tests
225-335-500	5	Coin Trunks — Postpayment Type — Operation Tests	225-525-500	1	Traffic Registers — Operation Tests

Number	Issue	Subject	Number	Issue	Subject
<b>225-6 35-E-97 Community Dial Offices</b>			<b>225-7 375A and 375B Community Dial Offices</b>		
225-600-500	1	Line Finders With Control Circuit — Operation Tests Using Dial Hand Test Set	225-700-500	1	Line Finders — Operation Tests Using Dial Hand Test Set
225-605-500	2	Selectors — Rotary Test Using 40C Test Set or Dial Hand Test Set	225-705-500	1	Code Ringing Connectors — Operation Tests Using Dial Hand Test Set
225-610-500	2	Local and Incoming Selectors — Operation Tests Using Test Set H-35348 or H-	225-710-500	1	Interoffice Trunks — Operation Tests
225-610-500	2		225-715-500	2	Alarms and Registers — Operation Tests
225-615-500	1	A-B Toll Transmission Selectors — Operation Tests Using Test Set SD-31858-01 (J34701A)	<b>225-8 North Electric Company CX-Type Community Dial Offices</b>		
225-620-500	1	Reverting Call Selectors — Operation Tests Using Test Set H-35348 or H-35690	225-800-500	1	Line Finder and Line Circuit — Call Through Test
225-625-500	3	Local and Combination Connectors — Local Operation Tests Using Test Set H-35348 or H-35690	225-805-500	2	Line Finders — Operation Tests
225-630-500	4	Auxiliary Coin Lines and Coin Trunks — Postpayment Type — Operation Tests	225-810-500	1	Selectors — Operation Tests
225-635-500	2	Outgoing Interoffice Trunks — Operation Tests Using Dial Hand Test Set	225-815-500	2	Connectors — Operation Tests
225-645-500	2	Trunks From Selector Levels — Continuity and Polarity Tests Using Dial Hand Test Set	225-820-500	1	Superimposed Reverting Call Connectors — Operation Tests
225-650-500	3	Switch Trouble, Fuse, and Permanent Alarms — Operation Tests	225-825-500	1	Interoffice Trunks — Operation Tests
225-655-500	1	Miscellaneous Trouble and Fuse Alarms — Operation Tests	225-830-500	2	Call Through Tests
225-660-500	1	Traffic Register Circuits — Operation Tests	225-835-500	2	Alarm, Traffic Register and Ringing Transfer Circuits — Operation Tests — Offices With Non-Standard Alarm Indications
			225-840-500	1	Alarm, Traffic Register and Ringing Transfer Circuits — Operation Tests — Offices With Standard Alarm Indications



**Division 226**

**Equipment Common to More Than One Type Step-By-Step and Community Dial Office**

**226-0 Indexes and Administrative Practices**

- 020 Network Switched Services (Administration and Maintenance) Methods
- 060 Network Design

**226-1 General Information**

- 100 General System Information

**226-2 Line Finders, Trunk Finders, and Associated Circuits**

**226-3 Selectors**

**226-4 Connectors**

**226-5 Trunks and Trunk Circuits**

**226-6 Pulse Repeaters and Out-Trunk Switches**

**226-7 Traffic and Message Registers**

**226-8 Alarms, Switchboards, and Miscellaneous Equipment**

Number	Issue	Subject
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**226-0 Indexes and Administrative Practices**

- |             |    |  |
|-------------|----|--|
| 226-000-000 | 32 | Numerical Index — Division 226 — Equipment Common to More Than One Type Step-by-Step and Community Dial Office |
| 226-000-005 | 2  | Alphabetical Index — Step-by-Step and Community Dial Offices   |

**226-001 Controlled Maintenance Plan and Equipment Test Lists (ETL)**

- |             |    |   |
|-------------|----|---|
| 226-001-013 | 7  | ETL — Toll Selectors                            |
| 226-001-014 | 10 | ETL — Toll Transmission Loop Dial Selectors     |
| 226-001-015 | 7  | ETL — Toll Transmission Repeated Dial Selectors |
| 226-001-018 | 4  | ETL — Pulse Repeaters and Out Trunk Switches    |

Number	Issue	Subject
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**226-020 Network Switched Services (Administration and Maintenance) Methods**

- |             |   |   |
|-------------|---|---|
| 226-020-050 | 2 | Network Administration Center — Center Evaluation — Step-by-Step Switching System |
|-------------|---|---|

**226-1 General Information**

**226-100 General System Description**

- |               |   |   |
|---------------|---|---|
| ☐ 226-100-010 | 1 | System Description — Local and Toll   |
| ● 226-100-012 | 1 | General Description — Common Control  |
| ● 226-100-014 | 1 | System Description — Centrex  |
| ● 226-100-016 | 1 | System Description — Automatic Message Accounting — Local and Centralized   |
| 226-145-300   | 1 | Cable Protective Device Alarm, Cable Insulation Alarm and Permanent Signal Alarm Circuit SD-31912-01 — Procedure in Case of Alarm |
| 226-160-300   | 3 | Method of Taking Equipment Out of Service   |
| 226-165-300   | 7 | Associating Connector Terminals With Intercepting Trunks  |
| 226-170-700   | 4 | Analysis and Correction of Pulsing Failures Using Pulsing Test Set SD-31481-01 (J34717A)  |

**226-2 Line Finders, Trunk Finders, and Associated Circuits**

- |             |   |   |
|-------------|---|---|
| 226-200-500 | 1 | Line Finders — Without Control Circuit — Operation Tests Using Dial Hand Test Set   |
| 226-200-501 | 7 | Line Finders — Without Control Circuit — Operation Tests — Using Trunk Test Set SD-90469-02 (J94710A) and Auxiliary Test Set SD-32173-01 (J34726)                   |
| 226-200-502 | 9 | Line Finders — Without Control Circuit — Operation Tests Using 2-Party Message Rate Type Test Set SD-31456-01 (J34715A) and Auxiliary Test Set SD-32173-01 (J34726) |

Number	Issue	Subject	Number	Issue	Subject
226-200-503	6	Line Finders — Without Control Circuit — Operation Tests Using 2-Party Message- Rate Type Test Set SD-31151-01 (X61404A) or SD-31258-01 (J34702A) and Auxiliary Test Set SD-32173-01 (J34726)	226-220-500	7	Trunk Finders for Concentrating Intercepting and Verification Request Trunks — Operation Tests Using Trunk Test Set SD-90469-01 (J94710A) or SD-90469-02 (J94710A)
226-200-504	4	Line Finders — Without Control Circuit — Operation Tests Using Trunk Test Set SD-90469-01 (J94710A)	226-220-501	7	Trunk Finders for Concentrating Intercepting and Verification Request Trunks — Operation Tests Using Test Set SD- 31456-01 (J34715A) or SD-31524-01 (J34718A)
Addendum	1				
226-200-505	10	Line Finders — Without Control Circuit — Operation Tests Using Individual Message-Rate Type Test Set — ES- 30417-01 (X-61351), SD-31246-01 (J34703A), or SD-31524-01 (J34718A) and Auxiliary Test Set SD-32173-01 (J34726)			
226-200-506	2	Line Finders — Rapid Operation Tests Using Test Set SD-31725-01 (J34721A)			
226-200-507	6	Line Finders — Operation Tests Using Test Set SD-90210-01 (J34704A) or SD-90416- 01 (J94704A)			
226-200-508	4	Line Finders — Line Tests Using Test Set SD-90210-01 (J34704A) or SD-90416-01 (J94704A)			
226-200-509	4	Line Finders — Line Tests Using 2-Party Message Rate Type Test Set — SD- 31151-01 (X-61404A), SD-31258-01 (J34702A) or SD-31456-01 (J34715A)			
226-200-510	4	Line Finders — Line Tests Using Individual Message Rate Type Test Set — ES-30417-01 (X-61351), SD-31246-01 (J34703A), or SD-31524-01 (J34718A)			
226-205-500	4	Line Finders — With Control Circuit — Operation Tests Using Dial Hand Test Set			
226-210-500	2	Line Finders — Serving Two Classes of Lines — Normal Post Spring Operation Tests			
226-215-500	6	Line and Trunk Finder Group and Chain Circuit — Miscellaneous Tests			
			<b>226-3 Selectors</b>		
			226-300-500	5	Pulsing Tests Using Pulsing Test Set SD- 31481-01 (J34717A)
			226-300-501	4	Rotary Test Using Dial Hand Test Set
			226-300-503	4	Rotary Test Using No. 40C Test Set
			226-300-504	4	Rotary Test Using Test Set SD-31616-01 (J34716A)
			226-300-505	2	Rotary Tests Using Test Set ES-30068-01 or SD-31115-01 (J34707A)
			226-300-506	5	Rotary and C Relay Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A)
			226-300-507	6	B and C Relay Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A)
			226-305-500	9	Local and Toll Selectors — Operation Tests Using Dial Hand Test Set or 40C Test Set
			226-305-501	4	Local and Toll — Operation Tests Using Test Set SD-31858-01 (J34701A)
			226-305-502	4	Local and Toll — Operation Tests — Using Test SD-31859-01 (J34722B)
			226-305-503	6	Local and Toll — Operation Test Using Test Set SD-90210-01 (J34704A) or SD- 90416-01 (J94704A)
			226-305-504	2	Incoming and Intermediate — Seizure Test
			226-310-500	3	Toll Transmission — Operation Tests Using Test Set SD-31858-01 (J34701A)

Number	Issue	Subject	Number	Issue	Subject
226-310-501	5	Loop Dialing Toll Transmission — Operation Tests Using Test Set SD-30387-01 (J34713A)	226-320-500	2	Coin Control — Pulsing Tests Using Pulsing Test Set SD-31481-01
226-310-502	5	Loop Dialing Toll Transmission — Operation Tests Using Test Set ES-30007-01 (X-61341)	226-320-501	2	Coin Control — Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A)
226-310-503	5	Loop Dialing Toll Transmission — Associated Jack Method Of Coin Control — Coin Control Tests Using Test Sets SD-30387-01 (J34713A) or ES-30007-01 (X-61341)	226-320-502	4	Loop Dialing Coin Control — Operation Tests Using Test Set SD-30387-01 (J34713A) or ES-30007-01 (X-61341)
Addendum	1		226-325-500	2	Code — Call Through Tests — From Associated Auxiliary Trunk Circuit Using Dial Hand Test Set
226-310-504	3	Loop and Repeated Dialing Toll Transmission — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A)	226-330-501	2	Selector Repeaters — Rotary and C Relay Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A)
226-310-505	5	Repeated Dialing Toll Transmission — Operation Tests Using Toll Train and Coin Box Trunk Test Set ES-241636	226-330-502	3	Selector Repeaters — Operation Tests Using Test Sets SD-31858-01 (J34701A), SD-90469-01 or SD-90469-02 (J94710A)
226-310-506	1	Repeated Dialing Toll Transmission Selectors and Toll Coin Control Switches — Coin Control and Operation Tests Using Toll Train and Coin Box Trunk Test Set ES-241636	226-340-500	3	Reverting Call — Pulsing Tests Using Pulsing Test Set SD-31481-01 (J34717A)
226-310-507	1	Repeated Dialing Toll Transmission — Associated Jack Method of Coin Control — Coin Control Tests Using Toll Train and Coin Box Trunk Test Set ES-241636	226-340-501	3	Reverting Call Selectors — Operation Tests Using Test Set SD-90416-01 (J94704A) and Test Line SD-32198-01
226-315-500	3	Loop and Repeated Dialing A-B Toll Transmission Selectors — Operation Tests Using Test Set SD-90469-01 (J94710A)	226-340-502	3	Reverting Call — Operation Tests Using Test Set SD-90469-02 (J94710A) and Test Line SD-32198-01
226-315-501	3	Loop Dialing A-B Toll Transmission — Operation Tests Using Test Set SD-30387-01 (J34713A) or ES-30007-01 (X-61341)	226-340-503	3	2- and 4-Party Reverting Call — Operation Tests Using Dial Hand Test Set and Test Circuit SD-30998-01
226-315-502	4	Loop Dialing Toll and A-B Toll Transmission and Other Selectors With Loop Compensating Resistances — Pulse Repeating and Pulsing Tests Using Pulse Repeating SD-31667-01 (J34720A) and Pulsing SD-31481-01 (J34717A) Test Sets	226-340-504	2	2- and 4-Party Reverting Call — Operation Tests Using Dial Hand Test Set and Test Circuit SD-31478-01 or SD-31479-01
226-315-503	3	Toll and A-B Toll Transmission — Operation Tests Using Test Set SD-90416-01 (J94704A)	226-340-505	3	Reverting Call — 2-Party Selective and 4-Party Semiselective — Operation Tests Using Test Set SD-31858-01 (J34701A) and Test Line SD-31857-01
			226-340-506	3	Reverting Call — 2-Party Selective and 4-Party Semiselective — Operation Tests Using Test Set SD-31859-01 (J34722B) and Test Line SD-31857-01

Number	Issue	Subject	Number	Issue	Subject
226-340-507	2	8-Party Reverting Call — Operation Tests Using Dial Hand Test Set and Test Circuit SD-30998-01	226-405-500	5	Local — Operation Tests Using Test Set SD-31858-01 (J34701A) and Test Line SD-31857-01
226-340-508	2	8-Party Reverting Call — Operation Tests Using Test Set SD-31858-01 (J34701A) and Test Line SD-31857-01	Addendum	1	
226-340-509	2	8-Party Reverting Call — Operation Tests Using Test Set SD-31859-01 (J34722B) and Test Lines SD-31857-01 and SD-30981-01	226-405-501	6	Local — Operation Tests Using Test Set SD-31859-01 (J34722B) and Test Line SD-31857-01
226-340-510	1	8-Party Reverting Call — Operation Tests Using Dial Hand Test Set and Test Circuit SD-31478-01 or SD-31479-01	226-410-500	7	Local Level Hunting — Operation Tests — Using Connector Test Set SD-31637-01 or SD-31637-02 (J34719A) — Step-by- Step Systems
226-340-511	7	8- and 10-Party Reverting Call — Timing Tests Using Relay Timing Test Set SD- 90418-01 (J94713A)	226-410-501	6	Local Level Hunting — Operation Tests — Using Connector Test Set SD-30502-01 (J34711A)
226-340-512	1	10-Party Terminal Per Line Reverting Call — Operation Tests Using Dial Hand Test Set and Test Circuit SD-31478-01 or SD-31479-01	Addendum	2	
226-340-513	2	10-Party Terminal Per Line Reverting Call — Operation Tests Using Dial Hand Test Set and Test Circuit SD-30998-01	226-415-500	6	Local and Combination — Operation and Pulsing Tests Using Connector Test Set SD-31637-01 or SD-31637-02 (J34719A) and Pulsing Test Set SD-31481-01 (J347171A)
226-340-514	2	Reverting Call — 5-, 10-, and 20-Party Terminal Per Line — Operation Tests Using Test Set SD-31858-01 (J34701A) and Test Line SD-31857-01	226-415-501	6	Local and Combination — Operation and Pulsing Tests Using Connector Test Set SD-30502-01 (J34711A) and Pulsing Test Set SD-31481-01 (J34717A)
226-340-515	2	Reverting Call — 5-, 10-, and 20-Party Terminal Per Line — Operation Tests Using Test Set SD-31859-01 (J34722B) and Test Line SD-31857-01	226-415-502	7	Local and Combination — Rapid Operation Tests — Using Dial Hand Test Set and Test Line SD-31653-01
			226-415-503	5	Local and Combination — Rapid Operation Test — Using Connector Test Set SD-30502-01 (J34711A) and Pulsing Test Set SD-31481-01 (J34717A)
			226-415-504	6	Local and Combination — Rapid Operation Test — Using Connector Test Set SD-31637-01 or SD-31637-02 (J34719A) and Pulsing Test Set SD-31481-01 (J34717A)
			226-415-505	3	Local and Combination — Local Operation Tests Using Test Set SD-90416-01 (J94704A) or SD-90210-01 (J34704A) and Test Line SD-32198-01
<b>226-4 Connectors</b>					
226-400-500	8	Pulsing Tests — Using Pulsing Test Set SD-31481-01 (J34717A)			
226-400-501	7	Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A)			
226-400-502	2	Seizure Test			
226-400-503	2	Operation Tests Using A.E. Co.'s Test Set			

Number	Issue	Subject	Number	Issue	Subject
226-415-506	6	Local and Combination — Local Operation Tests Using Trunk Test Set SD- 90469-01 or SD-90469-02 (J94710A) and Test Line SD-32198-01	226-440-500	1	Coin Connector and Associated Coin Control Trunk Circuit — Coin and Rering Tests
226-415-507	6	Local and Combination — Operation Tests Using Test Set SD-90210-01 (J34704A) or SD-90416-01 (J94704A) and Test Line SD-32198-01, SD-32164-01 or SD- 31261-01	226-440-501	2	Coin Control — Prepayment Coin Service — Operation Test Using Test Set SD- 90469-02 (J94710A)
226-420-500	4	Combination Toll Operation Tests Using Test Set SD-31858-01 (J34701A) and Test Line SD-31857-01 (J33017F)	226-440-502	2	Coin Control — Operation Tests Through Auxiliary Line Circuit Using Test Set SD-31858-01 (J34701A)
226-420-501	3	Combination — Toll Operation Tests Using Test Set SD-31859-01 (J34722B) and Test Line SD-31857-01 (J34017F)	<b>226-5 Trunks and Trunk Circuits</b>		
226-425-500	3	Toll and Combination — Toll Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A) and Test Line SD-32198-01	226-500-500	1	Auxiliary Trunk Circuit SD-32071-01 Arranged for Right of Way on Emergency Calls — Operation Tests Using Dial Hand Test Set
Addendum	1		226-501-500	1	Auxiliary Trunk Circuits SD-32070-01 and SD-32104-01 Arranged for Right of Way on Emergency Calls — Operation Tests Using Dial Hand Test Set
226-430-500	5	Loop Dialing Toll — Operation and Pulsing Tests Using Connector Test Set SD- 31637-01 or SD-31637-02 (J34719A) and Pulsing Test Set SD-31481-01 (J34717A)	226-502-500	3	Auxiliary Trunk Circuit — Prepayment Coin Service — Operation Tests Using Test Set SD-31858-01 (J34701A)
226-430-501	4	Loop Dialing Toll — Operation Tests Using Test Set SD-30387-01 (J34713A) or ES- 30007-01 (X-61341)	226-502-501	2	Auxiliary Trunk Circuit SD-32025-01 — Prepayment Coin Service — Operation Tests Using Trunk Test Set SD-90469-02 (J94710A)
226-430-502	3	Repeated Dialing Toll — Operation Tests Using Toll Train and Coin Box Trunk Test Set ES-241636	226-503-500	1	Auxiliary Trunk Circuit SD-32341-01 — Operation Test Using Dial Hand Test Set
226-435-500	4	Loop Dialing Toll Level Hunting — Operation Tests Using Test Set SD-30387-01 (J34713A) or ES-30007-01 (X-61341)	226-504-500	1	Auxiliary Trunk Circuit for Automatic Timed Release SD-32540-01 — Timing Test
226-435-501	4	Loop Dialing Toll Level Hunting — Operation Tests Using Connector Test Set SD-31637-01 or SD-31637-02 (J34719A)	226-505-500	1	Auxiliary Line Circuit SD-35002-01 — Hotel-Motel Service — Operation Tests
226-437-500	1	Connectors and Toll Transmission Selectors — 1000-Cycle Transmission Tests — Using Portable Transmission Measuring Set — Step-by-Step Systems	226-507-500	2	Permanent Signal Holding Trunk SD- 32370-01 — Miscellaneous Tests
			226-508-500	1	Interoffice Trunks to Step-by-Step Offices — Operation Test Using Trunk Test Set ES-30096-01
			226-508-501	1	Interoffice Trunks — Continuity and Polarity Test Using Test Set SD-31426-

Number	Issue	Subject	Number	Issue	Subject
226-508-501	1		226-521-504	2	Coin Trunk Circuit SD-31592-02 and Auxiliary Coin Trunk Circuit SD-32538-01 — Arranged for Dial-Tone-First Service — Operation Tests — Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A)
226-508-502	1	Interoffice Trunks — Continuity and Polarity Tests Using Test Set SD-31725-01 (J34721A)			
Addendum	1				
226-508-503	2	Interoffice Trunks — Operation Tests Using Test Set SD-31859-01 (J34722B)	226-521-505	2	Coin Trunk Circuit SD-31592-02 and Auxiliary Coin Trunk Circuit Arranged for Dial-Tone-First Service — Operation Tests — Using Test Set SD-31858-01 (J34701A)
226-508-504	2	Interoffice Trunks — Operation Tests Using Test Set SD-90469-01 or SD-90469-02 (J94710A)			
226-508-505	2	Interoffice Trunks Operator Identified to CAMA Office — Operation Tests	Addendum	1	
226-511-500	1	Incoming Trunk Circuits SD-31703-01 — Operation Tests Using Test Sets SD-31858-01 (J34701A), SD-90469-01 or SD-90469-02 (J94710A)	226-521-506	2	Coin Trunk Circuit SD-32539-01 — Arranged for Coin First Service — Operation Tests — Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A)
226-514-500	2	2-Way Operator Office Trunks and Associated Coin Control Trunk — Coin, Noncoin, and Rering Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A)	226-521-507	2	Coin Trunk Circuit SD-32539-01 — Arranged for Coin First Service — Operating Tests — Using Test Set SD-31858-01 (J34701A)
226-517-500	2	Coin Trunks — Pulsing Tests — Per Cent Break Method Using Pulsing Test Set SD-31481-01 (J34717A) and Pulse Repeating Test Set SD-31667-01 (J34720A)	226-521-508	2	Coin Trunk Circuit SD-32539-01 — Arranged for Dial-Tone-First Service — Operation Tests — Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A)
226-517-501	5	Coin Trunks — Operation Tests Using Loop Dialing Toll Train and Coin Trunk Test Set ES-30007-01 (X-61341) or SD-30387-01 (J34713A)	226-521-509	2	Coin Trunk Circuit SD-32539-01 — Arranged for Dial-Tone First Service — Operation Tests — Using Test Set SD-31858-01 (J34701A)
226-517-502	5	Coin Trunks — Operation Tests Using Repeated Dialing Toll Train and Coin Box Trunk Test Set ES-241636 (X-61116)	Addendum	2	
226-521-502	2	Coin Trunk Circuit SD-31592-02 Arranged for Coin First Service — Operation Tests — Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A) — Step-by-Step Systems	226-522-300	1	Local Coin Overtime (LCOT) Charging Circuit SD-35046-01 — Description, Operation, and Trouble Locating — Step-by-Step Systems
226-521-503	2	Coin-Trunk Circuit SD-31592-02 — Arranged for Coin First Service — Operation Tests — Using Test Set SD-31858-01 (J34701A)	226-524-500	2	Loop Dialing Recording-Completing Trunks From Coin Box Trunk Groups — Operation Tests Using Trunk Test Set SD-30387-01 (J34713)
			226-524-501	1	Repeated Dialing Recording-Completing Trunks From Coin Box Trunk Groups — Operation Tests Using Toll Train and Coin Box Trunk Test Set ES-241636

Number	Issue	Subject	Number	Issue	Subject
226-524-502	8	Recording-Completing Trunks — Coin and Noncoin — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A) Step-By-Step Systems	226-535-500	1	Trunks From Selector Levels to No. 12 Local Test Desks — Operation Test Using Trunk Test Set ES-30096-01
226-524-503	5	Recording-Completing Trunks — Operation Test Using Test Set SD-31858-01 (J34701A)	226-536-500	1	Trunks From Selector Levels to 1-C Repair Clerks' Desk — Operation Test Using Trunk Test Set ES-30096-01
226-524-504	2	Outgoing Trunk Circuit SD-35059-01 — 0+, 0- ONI Operation — TSPS/RTA — Operation Tests — Using Trunk Test Set SD-31858-01 (J34701A) or SD-90469-01 or SD-90469-02 (J94710A)	226-539-500	1	Trunk From Levels of Repeated Dialing — Toll Transmission Selectors — Continuity Test Using Test Set SD-90469-01 (J94710A)
226-525-500	1	Operators' Recording-Completing Trunks — Operation Tests — "A" Switchboards	226-540-500	1	Trunks From Levels of Repeated Dialing — A-B Toll Transmission Selectors — Continuity Tests Using Test Set SD-90469-01 (J94710A)
226-527-500	6	Trunks From Local Selector Levels — Continuity Tests Using Dial Hand Test Set	226-541-500	1	Trunk From Levels of Loop Dialing — Toll and A-B Toll Transmission Selectors — Continuity Tests Using Test Set SD-90469-01 (J94710A)
226-527-501	2	Trunks From Local Selector Levels — Continuity Test Using Trunk Test Set ES-30096-01	226-542-500	2	Trunks From Levels of Loop and Repeated Dialing — Toll Intermediate Selectors — Continuity and Polarity Tests Using Test Set SD-90469-01 or SD-90469-02 (J94710A)
226-528-500	1	Trunks From Selector Levels to Information Desks — Operation Tests Using Trunk Test Set ES-30096-01	226-543-500	3	Interswitch Trunks From Levels of Loop Dialing Toll Transmission and Toll Intermediate Selectors — Test of C and S Leads Using Dial Hand Test Set
226-529-500	1	Trunks From Selector Levels to Special Service Positions — Operation Tests Using Trunk Test Set ES-30096-01	226-546-500	1	Trunks From Vacant Connector Terminals — Operation Tests Using Trunk Test Set ES-30096-01
226-531-500	1	Trunks From Selector Levels to Recording Positions — Operation Tests Using Trunk Test Set ES-30096-01	226-550-500	1	Intercepting Trunks From Local Selector Levels — Intercepting Handled at Toll Switchboard or Operating Room Desk — Operation Tests Using Trunk Test Set SD-90469-01 and SD-90469-02 (J94710A)
226-532-500	1	Trunks From Vacant Local Selector Levels to Intercepting Positions — Operation Test Using Trunk Test Set ES-30096-01	226-551-500	2	Intercepting Trunks From Local Selector Levels — Intercepting Handled at DSA Switchboards — Operation Tests Using Trunk Test Set SD-90469-01 and SD-90469-02 (J94710A)
226-533-500	3	Trunks From Local Selector Levels to Desks and Switchboard Positions — Operation Tests Using Dial Hand Test Set			
226-534-500	3	911 Emergency Service Trunk — Operation Tests — Using Trunk Test Set SD-90469-01, SD-90469-02 (J94710A), or SD-31858-01 (J34701A)			

Number	Issue	Subject	Number	Issue	Subject
226-552-500	2	Intercepting Trunks From Toll Selector Levels — Intercepting Handled at DSA Switchboard — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A)	226-557-500	1	Intercepting Trunk — From Connectors and Selectors Using an Announcement Machine — Operation Tests Using Dial Hand Test Set
226-553-500	1	Intercepting Trunks From Toll Selector Levels — Intercepting Handled at Toll Switchboard or Operating Room Desk — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A)	226-559-500	2	Intercepting and Verification Request Trunks From Connectors — Intercepting Handled at DSA Switchboard — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A)
226-554-500	1	Intercepting Trunks From Trunk Finders to a No. 14C, 14D, or 15C Switchboard Arranged to Trip Machine Ringing Before Extending Call to Operator — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A)	226-560-500	1	Intercepting and Verification Request Trunks From Connectors — Intercepting Handled at Toll Switchboard or Operating Room Desk — Operation Tests Using Dial Hand Test Set
226-554-501	2	Intercepting Trunks From Trunk Finders to a No. 14C, 14D or 15C Switchboard Arranged to Trip Machine Ringing After Extending Call to Operator — Operation Tests Using Trunk Test Set SD-90469-01 and SD-90469-02 (J94710A)	226-561-500	3	Intercepting and Verification Request Trunks From Connectors — Intercepting Handled at DSA Switchboard — Operation Tests Using Dial Hand Test Set
226-555-500	1	Intercepting Trunks From Trunk Finders to Toll Switchboard or Operating Room Desk Arranged to Trip Machine Ringing Before Extending Call to Operator — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A)	226-562-500	1	Intercepting and Verification Request Trunks From Connectors — Intercepting Handled at Toll Switchboard or Operating Room Desk — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A)
226-555-501	1	Intercepting Trunks From Trunk Finders to Toll Switchboard or Operating Room Desk Arranged to Trip Machine Ringing After Extending Call to Operator — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A)	226-565-500	7	Individual Line Message-Rate Trunks — Line Finder Type — Operation Tests Using Individual Line Message-Rate Type Test Set SD-31246-01 (J34703A) or SD-31524-01 (J34718A)
226-556-500	2	Outgoing 2-Wire Intercepting Trunks From Trunk Finders Arranged for Regular or Trouble Intercept to Operator or to Machine Announcement — Operation Tests Using Test Set SD-90469-01 or SD-90469-02 (J94710A)	226-565-501	5	Individual Line Message Rate Trunks — Line Finder Type — Operation Tests — Using 2-Party Message Rate Type Test Set SD-31258-01 (J34702A) or SD-31456-01 (J34715A)
			226-566-500	2	2-Party Message Rate Trunks — Pulsing Tests — Per Cent Break Method Using Pulsing Test Set SD-31481-01 (J34717A) and Pulse Repeating Test Set SD-31667-01 (J34720A)
			226-566-501	4	2-Party Message Rate Trunks — Line Finder Type — Operation Tests Using Test Set SD-31151-01 (X-61404A) SD-31258-01 (J34702A) or SD-31456-01 (J34715A)



Number	Issue	Subject	Number	Issue	Subject
226-569-500	5	PBX Trunks from Selector Levels SD- 31757-01 — Operation Tests Using Test Set ES-241798, SD-30502-01 (J34711A), SD-31637-01 or SD-31637-02 (J34719A)	<b>226-6 Pulse Repeaters and Out-Trunk Switches</b>		
226-572-500	1	Toll Diverting Trunks — Operation Tests Using Trunk Test Set SD-90469-02 (J94710A)	Addendum	1	
226-575-500	2	Outgoing Trunks — Test of DC Key Pulsing — 15C Switchboard	226-600-500	5	Outgoing Repeaters — Pulsing and Continuity Test — Using Trunk Test Set SD- 90469-02 (J94710A) or Using Pulsing Test Set SD-31481-01 (J34717A)
226-577-500	2	Outgoing Dialing Trunks — Operation Tests — "A" Switchboards	226-600-501	2	Outgoing Repeaters — Pulsing Tests — Per Cent Break Method Using Pulse Repeating Test Set SD-31667-01 (J34720A) and Pulsing Test Set SD- 31481-01 (J34717A)
226-588-500	6	Trunk Transmission Tests — Step-by-Step Offices Not Provided With Manual Trunk Test Frame	226-600-502	1	Repeaters — C Relay Release Test Using Dial Hand Test Set
226-588-501	1	PBX Trunk Relay Equipment — 1000- Hertz Transmission Test — Using Portable Transmission Measuring Set — Step-by-Step Systems	226-600-503	4	Repeaters — B and C Relay Timing Tests Using Relay Timing Test Set SD-90418- 01 (J94713A)
Addendum	1		226-605-500	3	Rotary Out-Trunk Switch SD-32253-01 — Operation Test Using Dial Hand Test Set
226-590-500	4	Trunk Transmission Tests — Step-by-Step Offices Provided With Manual Outgoing Trunk Test Frame SD-32349-01	226-610-500	6	Rotary Out-Trunk Switches Arranged for Preselection — Operation Tests Using Test Set SD-31426-01 (J34714A)
226-590-501	1	Trunk Transmission Tests — Circuits Terminated at Commercial ACD — Step-by- Step Systems	226-610-501	7	Rotary Out-Trunk Switches Arranged for Preselection — Operation Tests Using Trunk Test Set SD-90469-02 (J94710A)
226-591-101	2	Automatic Outgoing Trunk Test Frame — Description	<b>226-7 Traffic and Message Registers</b>		
226-591-300	2	Compiling Data for Control Tapes — Automatic Outgoing Trunk Test Frame	226-700-500	4	Traffic Registers Associated With Line and Trunk Finders — Operation Tests
226-591-301	2	Preparation of Control Tapes — Automatic Outgoing Trunk Test Frame	226-700-501	2	Traffic Registers Associated With Selectors — Operation Tests
226-591-501	2	Operational and Transmission Tests on Outgoing Dial Trunks Using Automatic Outgoing Trunk Test Frame SD-32504-	226-700-502	3	Traffic Registers Associated With Connectors — Operation Tests
226-591-501	2		226-700-503	1	Traffic Registers Associated With Repeaters — Operation Tests
226-591-510	1	Automatic Outgoing Trunk Test Frame — SD-32504-01 — Tests	226-705-500	3	Line Message Registers Associated With Line Finder Equipment — Cross Connection and Operation Tests Using Test Set SD-30490-01 (J34706A) and Test Line SD-31610-01 or Equivalent
226-591-701	1	Adjustment of Line Build-Out Networks — Automatic Outgoing Trunk Test Frame SD-32504-01			

Number	Issue	Subject
226-705-501	1	Line Message Registers Associated With Line Finder Equipment Arranged for Overtime Charging — Cross Connection and Operation Tests Using Test Set SD-30490-01 (J34706A) and Test Line SD-31610-01 or Equivalent
226-705-502	1	Low Resistance Line Message Registers — Cross Connection and Operation Tests Using Test Set SD-32150-01 (J34725A) and Test Line SD-31610-01 or Equivalent

Number	Issue	Subject
226-814-500	1	Emergency Manual Circuits for Manual Operation and Interception of Subscriber Lines and Trunk Circuits — Operation Tests Using Dial Hand Test Set
226-816-500	2	Line Adapter Circuit SD-32072-01 Arranged for Right of Way on Emergency Calls — Operation Tests Using Dial Hand Test Set
226-818-500	1	Emergency Line circuit SD-32313-01 — Operation Tests Using Dial Hand Test Set
226-819-500	2	Emergency Transfer Circuit Per SD-96425-01 to Provide Emergency Manual Service for Dial Subscribers — Operation Tests
226-820-500	1	Trunk Group Usage Circuit SD-32049-01 — Operation Tests
226-822-500	2	Coin Timing and Coin Collect and Monitor Circuits for Overtime Charging — Operation Tests Using Trunk Test Set SD-90469-01 (J94710A)
226-824-500	2	Timing Intervals for Coin and Message Rate Overtime Charging Using Test Set SD-32031-01 (J34723)
226-826-500	4	Plugging-Up Circuits — Operation Tests
226-828-500	3	Test Distributors — Pulsing Tests Using Pulsing Test Set SD-31481-01 (J34717A)
226-828-501	7	Test Distributors — Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A)
226-829-100	1	Remote Office Test Line (ROTL) — Description
226-829-500	1	Remote Office Test Line (ROTL) SD-32521-01 — Tests
226-829-700	2	Adjustment of Line Build-Out Network — Remote Office Test Line SD-32521-01
226-830-500	1	Line Insulation Test Frame — Maintenance and Calibration Tests
▲226-831-000	1	Remote Office Test Line (ROTL-2)
226-831-100	2	Expanded Remote Office Test Line Arrangements — Descriptive Information

**226-8 Alarms, Switchboards, and Miscellaneous Equipment**

226-800-500	6	Switch Trouble and Fuse Alarms — Operation Tests
226-801-500	8	Trouble and Fuse Alarms — Miscellaneous Circuits — Operation Tests
226-802-500	1	Cable Protective Device Alarm, Cable Insulation Alarm and Permanent Signal Alarm Circuit SD-31912-01 — Operation Tests
226-803-500	3	Permanent Alarms — Selectors, Connectors, P.B.X. Trunks, and Reverting Call Selectors — Operation Tests
226-804-500	1	Pulse Generator and Counting Circuit SD-32310-01 — Alarm and Transfer Test
226-806-500	1	Precise Busy Tone Supply J87353A — Tests
226-807-500	1	Voice Alarm and Control Circuit SD-27980-01 for Announcement System 7A — Tests
226-807-501	1	Interface and Alarm Circuit SD-35067-01 for 13A Announcement System — Tests
226-808-501	1	Telecommunications Alarm Surveillance and Control (TASC) — Interconnection Circuit Tests — Step-by-Step Offices
226-810-500	4	Line Load Control Equipment — Operation Tests
226-813-500	1	Calling Line Identification Circuits for Intra SXS Office Calls — Tests

Number	Issue	Subject	Number	Issue	Subject
226-832-500	1	Call-Through Tests Using Call-Through Test Set SD-90603-01 (J94715) or SD- 21069-01 (J24714)	226-840-500	3	Auxiliary Coin Lines — Postpayment Type — Operation Test
Addendum	1		226-842-500	3	Auxiliary Line Circuit — Prepayment Coin Service — Operation Test Using Test Set SD-31858-01 (J34701A)
226-833-500	3	Call-Thru Tests Using Automatic Call- Thru Test Set SD-32522-01 (J34728) — No. 1 and 350A Step-by-Step, 355A and 35E97 Community Dial Offices	226-842-501	3	Auxiliary Line Circuits — Prepayment Coin Service — Operation Test Using Test Set SD-90469-02 (J94710A)
226-834-100	3	Remote Office Test Line (ROTL-3) — Description — Step-by-Step Offices	226-844-500	3	MF Key Pulsing Senders Arranged to Transmit Dial Pulses — Operation Tests Using Manual Test Circuit SD-95400-01 — No. 1 and No. 3 Type Toll Switchboards and No. 15C Switchboard
226-834-101	2	Portable Remote Office Test Line (ROTL- 3) — Description — Step-by-Step Offices	226-846-500	3	DC Key Pulsing Senders Arranged to Transmit Dial Pulses — Operation Tests Using Manual Test Circuit SD-90635-01 — No. 1 and No. 3 Type Toll Switchboards and No. 15C Switchboard
226-834-300	3	Remote Office Test Line (ROTL-3) — Acceptance Tests	226-846-501	2	DC Key Pulsing Senders — Operation Tests Using Automatic Test Circuit SD- 90424-01 — No. 1 and No. 3 Type Toll Switchboards and 15C Switchboards
226-834-301	2	Portable Remote Office Test Line-3 (ROTL- 3) — Acceptance Tests	226-847-501	1	Automatic Test Circuit — For Key pulsing Senders SD-90424-01 — Operation Tests — Step-by-Step Offices
226-834-310	1	Mini-RTTU (Remote Trunk Test Unit) With RTMB (Remote Trunk Make Busy) Option — Data Base Operating Instructions	226-848-500	3	Cord Circuit Supervisory Relays — Current Flow Tests — Nos. 14C, 14D, and 15C "A" Switchboards
226-834-500	1	Remote Office Test Line (ROTL-3) — Trouble Locating Procedures	226-850-500	3	Cord Circuit Sleeve Relays — Current Flow Tests — Nos. 14C, 14D, and 15C "A" Switchboards
226-834-501	1	Portable Remote Office Test Line (ROTL- 3) — Trouble Locating Procedures	226-852-500	2	Recording Completing Cord Circuits — 15C or 15D "A" Switchboard
226-834-700	3	Adjustment of Line Build-Out Network — Remote Office Test Line (ROTL-3)	226-854-500	3	Intercepting and Special Service Cord Circuits — Operation Test Using Testing Circuit SD-31025-01 or SD-90501-01
226-834-701	2	Portable Remote Office Test Line (ROTL- 3) — Adjustment of Line Build-Out Network	226-856-500	3	Cord Circuits — A-C Continuity Test — DSA Switchboards Nos. 14C, 14D and 15C
226-836-101	1	30A Level Distribution Register — Description	226-858-500	1	DSA Switchboards — 1000-Cycle Transmission Tests — Using Portable Transmission Measuring Set — Step-by-Step Systems
Addendum	1				
226-836-500	3	Contact Noise Measurements Using 30A Level Distribution Register			
226-838-500	1	Auxiliary Line Circuits Arranged for Right of Way on Emergency Calls — Operation Tests Using Dial Hand Test Set			
226-838-501	1	Common Systems — Line Circuit SD95873-01 (or Equivalent) — Public Emergency Reporting — Tests			

Number	Issue	Subject
226-860-300	2	Method of Handling Complaints and Requests for All Offices Involving Charge Irregularities on Crossbar Tandem CAMA Calls

**Division 227**


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**General and Testing Information Applying to Intertoll Dialing, CAMA, AMA, ANI, Touch-Tone Calling and Common Control Equipment Step-By-Step Systems**


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**227-0 Indexes and Administrative Practices****227-1 Intertoll Dialing Equipment****227-2 AMA Equipment****227-3 CAMA Equipment****227-4 Common to AMA and CAMA Equipment****227-5 ANI Equipment****227-6 Touch-Tone Calling Equipment — Not Adaptable for Common Control****227-7 Common Control Equipment — For Touch-Tone Calling and For Controlled Outpulsing****227-8 ITT Tel-Touch Equipment**

Number	Issue	Subject
<b>227-0 Indexes and Administrative Practices</b>		
227-000-000	46	Numerical Index — Division 227 — General and Testing Information Applying to Intertoll Dialing, CAMA, AMA, ANI, Touch-Tone Calling and Common Control Equipment — Step-by-Step Systems
<b>227-001 Equipment Test Lists (ETL)</b>		
227-001-011	3	Intertoll Dial Circuits
227-001-013	12	CAMA Equipment
<b>227-099 Customer Information Release (CIR)</b>		
□ 227-099-001TD	1	Mini-Call Data Accumulator, Operations Systems

Number	Issue	Subject
<b>227-1 Intertoll Dialing Equipment</b>		
Addendum	1	
227-100-500	5	Selectors — Operation Tests Using Dial Hand Test Set
227-100-501	2	Intertoll Selectors — Rotary Test Using 40C Test Set
227-100-502	6	Intertoll Selectors — Rotary Tests Using Dial Hand Test Set With or Without Selector Rotary Action Test Set — SD- 31616-01 (J34716A)
227-100-503	3	Intertoll Selectors — Rotary and C Relay Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A) and Toll Pulse Repeating Test Set SD-64540-01 (J64722A)
227-100-504	4	Intertoll Selectors — B and C Relay Timing Tests Using Relay Timing Test Set SD- 90418-01 (J94713A) and Pulse Repeating Test Set SD-64540-01 (J64722A)
227-100-505	4	Intertoll Selectors — Pulsing Tests Using Pulse Repeating Test Set SD-64540-01 (J64722A) — With or Without Pulsing Test Set SD-31481-01 (J34717A)
227-100-506	3	Intertoll Transmission Selectors — Test of C and S Leads Using Dial Hand Test Set
227-100-507	1	Intertoll Selectors — Permanent Alarms — Operation Test
227-105-500	1	Traffic Registers — Associated With Intertoll Selectors — Tests
227-110-500	1	Intertoll Through Selectors — Group Busy and Overflow Circuit — Operation Tests Using Dial Hand Test Set
227-115-500	2	Rotary Out-Trunk Switch — Operation, Alarm and Register Tests Using Test Circuit SD-56118-01
227-115-501	2	Rotary Out-Trunk Switches — Operation, Alarm and Register Tests Using Test Circuit SD-56342-01

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		227-218-500	3	Identifier-Trunk Connectors — Lockout Feature and Lead Continuity Tests
227-120-500	4	Dial or Automatic Manual Intertoll Trunks Having Selector Multiple Appearances — Operation Tests Using Dial Hand Test Set	227-221-300	4	Identifier Cross Connections
Addendum	1		227-221-500	5	Identifiers — Operation Tests Using Sender, Identifier, and Transverter Test Circuit
227-125-500	4	Trunks to Toll Operator, Information, Intercept and Interswitch Trunks to Auxiliary Intertoll Selectors — Operation Tests Using Dial Hand Test Set	227-221-501	2	Identifiers — Miscellaneous Tests
Addendum	1		227-222-100	1	Automatic Number Identification-Type E — Description
227-130-500	5	Trunks From Levels of Intertoll Selectors — Continuity Test Using Dial Hand Test Set	227-222-300	1	Automatic Number Identification — Type E Trouble Locating Procedures
227-135-500	1	Intertoll Trunks — Miscellaneous Tests	227-223-500	1	Translations — Miscellaneous Tests
227-145-500	2	Intertoll Timing Circuit SD-64587-01 — Timing and Alarm Tests	227-225-500	1	Outgoing Trunk SD-32508-01 Automatic Number Forwarding — Tests Using Trunk and Outpulser Test Frame SD- 32511-01
227-160-500	1	Directional Reservation Circuit (SD-56470- 01) — Operation and Register Test	227-225-501	1	Outgoing Trunk SD-35006-01 — Automatic Intercept System — Tests Using Trunk and Outpulser Test Frame SD- 32511-01 No. 1 Step-by-Step Office Arranged for AMA
227-165-500	2	Controllers — Intertoll Trunk Concentrating Equipment — Operation Tests	227-227-500	2	Outpulser Connector SD-32509-01 — Automatic Number Forwarding and Automatic Intercept System — Operational Tests — No. 1 Step-by-Step Offices Arranged for AMA
227-170-300	3	Method of Taking Equipment Out of Service	227-228-500	2	Outpulser — Automatic Number Forwarding and Automatic Intercept System — Tests Using Trunk and Outpulser Test Frame SD-32511-01 — No. 1 Step-by-Step Offices Arranged for AMA
227-185-500	6	Switch Trouble and Fuse Alarms — Tests	227-229-500	2	Trunk and Outpulser Test Frame — Automatic Number Forwarding and Automatic Intercept System — Tests
227-186-500	7	Trouble and Fuse Alarms — Miscellaneous Circuits	227-230-500	1	Outgoing Trunks — Voltmeter Tests Using Automatic Trunk Test Frame
<b>227-2 AMA Equipment</b>			227-233-500	5	AMA and Coin Zone Dialing Outgoing Trunk Circuits — Operation Tests Using Automatic Trunk Test Circuit SD-32206-01
227-200-300	4	Trouble Recorder Alarm Procedure and Trouble Analysis			
227-203-500	2	KS-13834 Perforator and Trouble Recorder Control and Test Circuit — Operation Tests			
227-205-500	1	Fuse Alarm Tests			
227-206-500	3	Subscriber Lines — Verification Test			
227-209-500	4	Thousands Number Circuit — Miscellaneous Tests			
227-212-500	3	Common Number and Class Circuit — Verification of Crossed Sleeve Test			
227-215-500	3	Code Connectors — Operation Tests			

Number	Issue	Subject	Number	Issue	Subject
227-233-501	1	Outgoing Trunk Circuits — AMA and Coin Zone Dialing — Transmission Tests — Using Manual Outgoing Trunk Test Circuit SD-32349-01 and Automatic Trunk Test Circuit SD-32206-01	<b>227-3 CAMA Equipment</b>		
227-236-500	4	Sender-Trunk Connectors — Miscellaneous Tests	227-300-000	2	Cross-Connection and Record Forms
Addendum	2		227-303-300	3	Trouble Ticketer Alarm Routine and Trouble Analysis
227-239-500	3	Senders — Operation Tests Using Sender, Identifier, and Transverter Test Circuit	227-305-500	7	Trouble and Fuse Alarms — Miscellaneous Circuits
227-239-501	1	Senders — Miscellaneous Tests	227-310-500	5	Dial Pulsing or MF Incoming Trunk Circuits — Operation Tests Using Test Set SD-32271-01 (J38913A) — Step-by-Step Intertoll Dialing Offices Arranged for CAMA
227-245-500	3	Transverter — SD-32203-01 — Operation Tests Using Sender, Identifier, and Transverter Test Circuit	227-311-500	1	CAMA Suspension Feature of Jack Key and Lamp Circuit — Tests — Step-by- Step Intertoll Dialing Offices Arranged for CAMA
227-245-501	3	Transverters — Miscellaneous Tests	227-315-500	2	Incoming Register Links — Miscellaneous Tests
227-251-500	2	Sender-Transverter Connectors — Operation Tests	Addendum	1	
227-252-500	1	Dynamic Overload Control — Operation Tests — Using Sender, Identifier, and Transverter Test Circuit SD-32208-01	227-316-500	4	Incoming Register Circuit — Operation and Miscellaneous Tests Using CAMA Test Set SD-32271-01 (J38913) for Operation Tests
227-254-300	1	Taking Equipment Out of Service — Recorder and Recorder Connector Circuits	227-318-500	3	Pretranslator — Operation and Miscellaneous Tests
227-257-500	2	Rotary Out-Trunk Switches — Miscellaneous Tests Using Trunk Test Set SD- 90469-02 (J94710A)	227-320-500	1	Trunk Finders — Operation Tests Using Test Set
227-258-500	1	Trunk Finders — Operation Test — Using Trunk Test Set SD-90469-02 (J94710A)	227-325-500	5	Senders — Operation Tests Using Test Circuit SD-32270-01 and Test Set SD- 32271-01 (J38913A)
227-260-500	2	Dial Coin Zone Concentrating Circuit — Miscellaneous Tests	227-325-501	5	Senders — Miscellaneous Tests
227-263-500	1	4-IPM Interrupter and Alarm Circuit — Miscellaneous Tests	227-330-500	1	Decoder Connectors — Miscellaneous Tests
227-266-500	3	Call Count Process Control — Storage and Register Circuit — Operation Tests	227-331-500	5	Decoders — Operation Tests Using Sender Circuit and Test Set Circuit SD-32271-01 (J38913A)
227-267-500	2	Traffic Registers — Operating Tests — Step-by-Step Offices Arranged for AMA	227-331-501	4	Decoders — Miscellaneous Tests
227-268-500	2	Plant Registers — Operation Tests — Step- by-Step No. 1 Offices Arranged for AMA	227-335-500	4	Trunk Class Translators — Operation Test Using Test Set SD-32271-01 (J38913A)
			227-340-500	2	Position Link — Operation Tests Using Test Set SD-32271-01 (J38913A)
			227-345-500	1	Transverter Connector — Miscellaneous Tests

Number	Issue	Subject	Number	Issue	Subject
227-346-500	6	Transverters — Tests Using Sender Circuit and Test Set Circuit — SD-32271-01 (J38913A)	<b>227-5 ANI Equipment</b>		
227-346-501	3	Transverters — Miscellaneous Tests	227-500-100	1	Type B (ANI-B) System — Step-by-Step Office — General Description Information
227-355-500	2	Calls-Waiting Signal Circuit — Operation Tests	227-500-300	5	Automatic Number Identification — Analysis of Trouble Tickets — Step-by-Step Offices Arranged for ANI-Type B
227-360-500	2	Trunk Transfer Circuit — Operation Tests	227-502-500	2	Call-Thru Tests for Local Directory Assistance Trunks With Automated Number Identification — Types B, C, and D — Step-by-Step Offices
227-365-500	2	Traffic Registers — Operations Tests	227-504-500	3	Fuse Alarms — Step-by-Step Offices — Arranged for ANI-Type B, C, or D
227-370-500	2	Plant Registers — Operation Tests	227-505-300	3	Analysis and Clearance of Trouble — Number Network and Primary Bus Circuit — Secondary Network and Bus Connector Circuit — Step-by-Step Offices Arranged for ANI Type B
<b>227-4 Common to AMA and CAMA Equipment</b>			227-505-301	2	Method of Making Cross-Connections — Number Network Frame — Step-by- Step Offices — Arranged for ANI-Type B
227-400-300	5	Master Timing Circuit SD-25633-01 — Methods of Handling Alarms With Six- Second Timing	227-505-800	7	Number Network Frame — 313A and 313B Panels — Piece-Part Data and Replacement Procedures — Step-by-Step Offices Arranged for ANI-Type B
227-400-301	2	Master Timing Circuit SD-25633-01 — Taking Equipment Out of Service	Addendum	1	
227-400-302	3	Master Timing Circuit SD-25633-01 — Daylight Saving Time and Leap Year Changes	227-520-500	2	Customer Lines — Verification Tests — Step-by-Step Offices Arranged for ANI- Type B
227-400-303	1	Master Timing Circuit SD-25633-01 With One-Second Timing Features	227-525-500	8	Outgoing Trunk Circuits — Operation Tests Using Automatic Trunk Test Circuit SD-32315-01 and Outpulser Identifier Test Circuit SD-95815-01 — Step-by-Step Offices Arranged for ANI-Type B
227-400-500	8	Master Timing Circuit SD-25633-01 — Six- Second Timing Features — Operation Tests	227-526-500	2	Outgoing Intercept Trunk to AIS — Operation Tests Using Manual Outgoing Trunk — Test Frame SD-32349-01 — Step-by-Step Offices With ANI-B
227-400-501	1	Master Timing Circuit SD-25633-01 — One-Second Timing Features — Operation Tests	227-530-300	3	Identifier SD-1C593-01 — Automatic Number Identification-Type B — Location of Faulty Circuit Packs
227-430-300	3	Recorder and Recorder Connector — Alarm Procedure			
227-430-500	5	Recorder and Recorder-Connector Circuit SD-25872-01 — Operation Tests — Step- by-Step Offices Arranged for AMA or Step-by-Step Intertoll Dialing Offices Arranged for CAMA Paper Tape			
227-450-500	2	Call Identify Indexer Circuit SD-25621-01 — Operation Tests			
227-455-300	3	Central Office Automatic Message Accounting Equipment — Precautions to Limit Stoppages in No. 1 Accounting Center			



Number	Issue	Subject	Number	Issue	Subject
227-530-301	2	Identifier SD-1C593-01 — Arranged for Automatic Number Identification — Type B (ANI-B) — Detailed Trouble Locating Procedures	227-570-800	2	200-Number Network Units — Piece-Part Data and Replacement Procedures — Step-by-Step Offices — Arranged for ANI-Type C
227-530-500	5	Identifier Circuits SD-95810-01 — Tests Using Outputpulser-Identifier Test Circuit SD-95815-01 — Step-by-Step Offices Arranged for ANI-Type B	227-571-500	3	Test and Line Verification Circuit — Tests — Step-by-Step Offices Arranged for ANI-Type C
227-530-501	1	Identifier Circuits SD-1C593-01 — Tests Using Outputpulser-Identifier Test Circuit SD-95815-01 — Step-by-Step Offices Arranged for ANI-Type B	227-572-500	6	Customer Lines — Verification Test — Using Test and Line Verification Test Circuit SD-32379-01 — Step-by-Step Offices Arranged for ANI-C
227-530-502	1	Automatic Number Identification Type-B (ANI-B) Identifier SD-1C593-01/CDA — System — Installation Evaluation Procedures	227-575-500	8	Outgoing Trunk Circuits — Tests — Using Test and Line Verification Test Circuit SD-32379-01 — Step-by-Step Offices Arranged for ANI-C
227-535-500	4	Outputpulser-Identifier Test Circuit — Miscellaneous Tests	227-576-500	3	Outputpulser Connector Circuit — Operation Tests — Step-by-Step Offices Arranged for ANI-Type C
227-540-500	7	Outputpulser Connector Circuit — Operation Tests — Arranged for ANI-Type B	227-577-500	4	Outputpulser Circuit SD-32375-01 — Miscellaneous Tests — Step-by-Step Offices Arranged for ANI-Type C
227-545-500	5	Outputpulser Circuit — Operation Tests — Step-by-Step Offices Arranged for ANI-Type B	227-578-500	1	Trunk Connector Circuit SD-35043-01 for AIS and Directory Assistance Trunks — Operation Tests — Step-by-Step Offices Arranged for ANI-C or ANI-D
227-545-501	6	Outputpulser Circuits — Miscellaneous Tests — Step-by-Step Offices Arranged for ANI-Type B	227-579-500	5	Pulse Generator Circuit SD-32378-01 — Test and Replacement Procedures — Step-by-Step Offices Arranged for ANI-Type C and ANI-Type D
Addendum	1		227-580-500	3	Traffic Registers — Operation Tests — Step-by-Step Offices Arranged for ANI-Type C and D
227-555-500	5	Automatic Number Identification Trouble Ticketer Circuit — Tests Using Outputpulser-Identifier Test Circuit SD-95815-01 and Automatic Trunk Test Circuit SD-32315-01 — Step-by-Step Offices Arranged for ANI-Type B	227-580-501	2	Outgoing Intercept Trunks SD-35037-01 for ANI-C and ANI-D — Operation Tests — Using Test Set SD-35053-01 (J34733A)
227-560-500	7	Automatic Trunk Test Circuit SD-32315-01 — Miscellaneous Tests — Step-by-Step Offices Arranged for ANI-Type B	227-581-500	5	Plant Registers — Operation Tests — Step-by-Step Offices Arranged for ANI-C and ANI-D
227-565-500	3	Oscillator Circuits — Functional Tests — Step-by-Step Offices Arranged for ANI-Type B	227-582-500	3	Customer Lines — Verification Test — Using Test and Line Verification Test Circuit SD-35019-01 — Step-by-Step Offices Arranged for ANI-Type D
227-568-500	2	Traffic Registers — Operation Tests — Step-by-Step Offices Arranged for ANI-Type B			
227-569-500	5	Plant Registers — Operation Tests — Step-by-Step Offices Arranged for ANI-Type B			

Number	Issue	Subject
227-582-501	5	Outgoing Trunk Circuits — Operation Test — Using Test and Line Verification Test Circuit SD-35019-01 and Trunk Test Circuit SD-35038-01 — Step-by-Step Offices Arranged for ANI-Type D
227-582-502	2	Outpulser Circuit SD-35017-01 — Operation and Miscellaneous Tests — Step-by-Step Offices Arranged for ANI-Type D
227-582-503	1	Coin Operator Assist and Special Toll Functions of ANI-D Outgoing Trunks — Operation Tests Using ANI-D Test Trunk Circuit SD-35038-01 — Step-by-Step Offices Arranged for ANI-Type D
227-582-800	3	Number Network Replacement Procedures — Step-by-Step Offices Arranged for ANI-Type D
227-584-100	3	Call Data Accumulator and Mini-Call Data Accumulator — Description
Addendum	1	
227-584-101	1	Call Data Accumulator (CDA) Portable Test Set SD-32560-01 Description, Operation and Maintenance
227-584-300	2	Call Data Accumulator — Trouble Locating
227-584-301	2	Call Data Accumulator — Trouble Locating Procedures Using Line Identification Control — Test Circuit SD-32559-01 — Step-By-Step Offices
227-584-310	1	Mini-Call Data Accumulator — Trouble Locating — Step-By-Step Offices
227-584-350	1	Call Data Accumulator (CDA) — Acceptance Tests

**227-6 Touch-Tone Calling Equipment — Not Adaptable for Common Control**

227-605-500	1	Fuse Alarms
227-615-500	2	Touch-Tone Calling Trunk Finders SD- 31953-01 — Operation Test — Using Test Set
227-620-500	1	Touch-Tone Calling Converter Finder SD- 33028-01 — Operation Tests

Number	Issue	Subject
227-625-500	3	Touch-Tone Calling Signal to Dial Pulse Converters SD-32328-01 — Operation Tests — Using Converter Test Set SD-32330-01 (J33026)
Addendum	1	
227-625-501	2	Touch-Tone Calling Signal to Dial Pulse Converters SD-32328-01 — Miscellaneous Tests
227-630-100	1	Type D — Descriptive Information
227-630-500	2	Type D — Test

**227-7 Common Control Equipment — For Touch-Tone Calling and For Controlled Outpulsing**

227-700-300	4	Trouble Ticket Analysis and Alarm Procedures
227-704-010	4	Cross-Connection and Record Forms
227-705-500	2	Trouble and Fuse Alarms — Tests
227-706-300	1	Method of Tracing Stuck Originating Register Outpulsing Controller Connections — Common Control — Step-by-Step Systems
227-710-300	1	Register Trunk and Link Circuit SD-32353- 01 — Trouble Locating Procedures Using Maintenance Aid Lamp Panel
227-710-500	8	Register Trunk and Link Circuit — Miscellaneous Tests
227-715-300	1	Originating Registers and Outpulsing Controllers Circuit SD-32351-01 — Trouble Locating Procedures
227-715-500	4	Originating Register, Outpulsing Controllers, and Touch-Tone Calling Signal Converters — Operation Tests — Using Manual Test Set SD-32363-01 (J34727)
227-715-501	4	Originating Registers — Outpulsing Controllers and Touch-Tone Calling Signal Converters — Miscellaneous Tests — Step-by-Step Common Control Offices

Number	Issue	Subject	Number	Issue	Subject
227-715-502	4	Originating Registers, Outpulsing Controllers, and Touch-Tone Calling Signal Converters — Operation Tests — Using Automatic Test Circuit SD-32365-01	<b>227-8 ITT Tel-Touch Equipment</b>		
Addendum	1		227-800-100	1	Instruction Manual
227-715-503	4	Originating Registers, Outpulsing Controllers — Pulsing Tests Using Automatic Test Circuit SD-32365-01 or Manual Test Set SD-32363-01 — Step-by-Step Common Control Offices	227-801-100	1	Index and Explanation of ITT TEL-TOUCH Equipment — Step-by-Step Offices Without Common Control
227-720-501	5	Transfer Connectors-Decoder Connectors — Miscellaneous Tests — Step-by-Step Common Control Offices	227-811-100	1	Maintenance Instructions for K-Type Relays
227-725-500	4	Translators and Decoders — Operation Tests — Using Manual Test Set SD- 32363-01 (J34727)	227-812-100	1	Maintenance Instructions for Pentaconta Relays
227-725-501	6	Translators — Miscellaneous Tests	227-813-100	1	Adjusting Procedures for Quintet Relays — Without Common Control
Addendum	1		227-820-100	1	Maintenance Instructions for Pentaconta Multiswitch
227-725-502	2	Decoders — Miscellaneous Tests	227-831-100	1	Station Simulator — Description — Step-by-Step Offices Without Common Control
227-725-503	3	Translators and Decoders — Operation Tests Using Automatic Test Circuit SD- 32365-01 — Step-by-Step Common Control Offices	227-832-100	1	Lorain* Dial Tone Generator and Transfer Circuit — General Description — Without Common Control
227-740-500	1	Trunk Class Connector SD-32366-01 — Tests			
227-760-500	3	Automatic Test Circuit SD-32365-01 (J38929) — Tests			
227-761-500	3	Manual Test Circuit SD-32362-01 (J38927) — Tests			
227-762-500	2	Trouble Ticketer Circuit, SD-32364-01 — Tests			
227-765-500	2	Plant and Traffic Register — Tests			
227-780-500	2	Non-CAMA Outgoing Trunk Circuit Multifrequency Pulsing Reverse Battery Supervision Arranged for Timed Disconnect — Miscellaneous Tests			

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**Division 230**

**Special Networks and Switching Applications**

**230-0 Index**

**230-1 Message Switching Networks**

**-100 Transaction Network**

**230-2 Satellite Communication Networks**

**-210 CLEARLINK®**

Number	Issue	Subject
<b>230-0 Index</b>		
230-000-000	22	Numerical Index — Division 230 — Special Networks — Transaction Network (2-95)

**230-1 Message Switching Networks**

**230-100 Transaction Network**

230-100-001	1	Transaction Network — System Description
230-100-005	1	Transaction Network — Glossary of Abbreviations and Acronyms
230-100-006	1	Transaction Network — Reference and Supplemental Information
230-100-010	1	1A Data Station Selector J70181AA Identification
● 230-100-015	1	Transaction Telephone Service — Service Description — Transaction Network — Data Network System
230-100-041	1	Assignment — Recommendations Line and Trunk Administration — Network Administration — Transaction Network
230-100-042	1	Switching Systems Management Transaction Network — Assignment Administration — New Offices
230-100-043	1	Assignment — Working Offices — Line and Trunk Administration — Network Administration — Transaction Network

Number	Issue	Subject
230-100-074	1	Switching Systems Management Transaction Network — Network Administration and Maintenance Measurements
■ 230-100-200	1	Transaction Network Software — General Description
■ 230-100-210	1	Asynchronous DDD Operations — Software Subsystem Description — Transaction Network
■ 230-100-212	1	Asynchronous Polled Operation — Software Subsystem Description — Transaction Network
■ 230-100-214	1	Synchronous Operation — Software Subsystem Description — Transaction Network
■ 230-100-216	1	Common Buffer Pool — Software Subsystem Description — Transaction Network
■ 230-100-220	1	Billing Functions — Software Subsystem Description — Transaction Network
■ 230-100-222	1	Audits — Software Subsystem Description — Transaction Network
■ 230-100-224	1	Recent Changes and Verification Programs — Software Subsystem Description — Transaction Network
■ 230-100-226	1	Traffic and Maintenance Measurements — Software Subsystem Description — Transaction Network
■ 230-100-228	1	Memory Reallocations — Software Subsystem Description — Transaction Network
■ 230-100-230	1	Audio Response Unit Loading — Software Subsystem Description — Transaction Network
■ 230-100-232	1	Tape Cartridge Backup Programs — Software Subsystem Description — Transaction Network
■ 230-100-240	1	Asynchronous and Synchronous Maintenance — Software Subsystem Description — Transaction Network
230-100-450	1	Transaction Network System — Switch Control and Monitor (SCAM) J70179C — Description
230-100-455	1	Transaction Network — Dial Line Adapter Frame J70179E — Description and Theory

Number	Issue	Subject
230-100-460	1	Transaction Network — Asynchronous Line Adapter Frame J70179A — Description and Theory
230-100-465	1	Transaction Network — Synchronous Line Adapter Frame J70179B — Description and Theory
230-100-470	1	Transaction Network — Audio Response Frame J70179D — Description

## 230-2 Satellite Communication Networks

### 230-210 CLEARLINK®

■ 230-210-010	1	Training — CL100/CL101
■ 230-210-013	1	TRIDOM® Protocol Analyzer
■ 230-210-015	1	Training — UC4113DATAI
■ 230-210-016	1	Training — UC4113DATAII
■ 230-210-101	1	CLEARLINK CNCS Reference
■ 230-210-102	1	CLEARLINK CNCS Administrators
■ 230-210-105	1	VSAT Commissioning and Support Procedures
■ 230-210-106	1	VSAT Field Service Manual
■ 230-210-107	1	C-Band VSAT Field Service
■ 230-210-108	1	Troubleshooting Guide
■ 230-210-109	1	CLEARLINK System 200/400 Field Service Manual
■ 230-210-110	1	CLEARLINK IP Router Technical Reference Manual
■ 230-210-111	1	CLEARLINK Voice Link Module Installation/Operation Manual
■ 230-210-111AC	1	CLEARLINK NSD - SKYNET Voice Network — Installation and Operations Guide (7-94)
■ 230-210-112	1	CLEARLINK HUB Hardware Operation Maintenance
■ 230-210-113	1	Antennas and Mounts, Descriptions and Installation

**Division 231**

**1 and 1A ESS™ Switches**

- 231-0 Indexes, System Documentation (2-Wire 1 and 1A ESS™ Switches), Equipment Test Lists, and Documents Applicable to Both 1 and 1A ESS Switches
  - 000 Indexes and System Documentation
  - 001 Equipment Test Lists and Documents Applicable to Both 1 and 1A ESS Switches
  - 030 Common Equipment — 2-Wire 1 and 1A ESS Switches
  - 045 Common Software — 2-Wire 1 and 1A ESS Switches
  - 050 Task Oriented Practices — Common to 2-Wire 1 and 1A ESS Switches
  - 060 Network Switching Engineering (em 2-Wire 1 and 1A ESS Switches
  - 061 Network Switching Engineering (em 2-Wire 1 ESS Switch
  - 062 Network Switching Engineering (\m 2-Wire and 1A ESS Switches
  - 070 Network Administration — 2-Wire 1 and 1A ESS Switches
  - 080 Network Maintenance — 2-Wire 1 and 1A ESS Switches
  - 099 Customer Information Releases (CIRs)
- 231-1 2-Wire — 1 ESS Switch
  - 100 System Equipment and Operation
  - 160 Task Oriented Practices — 2-Wire 1 ESS Switch
  - 190 Feature Documents and User's Manuals — 2-Wire 1 ESS Switch
- 231-2 MTSO (Mobile Telephone Switching Office) — 1A ESS Switch
  - 200 Overall AUTOPLEX® System 100 Descriptions
  - 210 MTSO Software Descriptions — 1A ESS Switch
  - 250 MTSO Maintenance — 1A ESS Switch
  - 290 MTSO Feature Documents — 1A ESS Switch
- 231-3 2-Wire — 1A Switch
  - 300 Equipment — 1A ESS Switch
  - 310 Software — 1A ESS Switch
  - 360 Detail Maintenance — 1A ESS Switch

**-390 Feature Documents and User's Manuals — 1A ESS Switch**

**231-4 4-Wire — 1 ESS Switch**

**-400 Equipment — 4-Wire 1 ESS Switch**

Number	Issue	Subject
231-0		Indexes, System Documentation (2-Wire 1 and 1A ESS™ Switches), Equipment Test Lists, and Documents Applicable to Both 1 and 1A ESS Switches
<b>231-000 Indexes and System Documentation</b>		
231-000-000	93	Numerical Index — Division 231 — 1 and 1A ESS™ Switches (5-95)
231-000-001	4	Alphabetical Index of 231 Division Section Titles
231-000-010	2	System Documentation — Description and Organization
<b>231-001/029 Equipment Test Lists and Documents Applicable to Both 1 and 1A ESS Switches</b>		
231-001-004	1	Network Switching Performance Measurement Plan — Integrity Review — Network Switched Services — 1/1A ESS Switches
231-001-005	4	Network Switching Performance Measurement Plan — Network Switched Services
231-001-010	2	Controlled Maintenance Plan — 2-Wire
231-001-011	8	2-Wire Switch System — 1 ESS™ Switch
231-001-012	13	4-Wire Switch System — 1 ESS Switch
231-001-013	14	2-Wire Switch Alarms — 1 ESS Switch
231-001-014	10	4-Wire Alarms — 1 ESS Equipment
231-001-017	4	System Evaluation — 1A ESS Switch
231-001-018	3	1A Processor — 1A ESS Switch
231-001-019	4	Switch Network — 1/1A ESS Switches
231-001-020	1	Administrative and Technical Operational Review — Central Office Maintenance
231-001-021	4	Special Application Equipment — 1/1A ESS Switches

Number	Issue	Subject	Number	Issue	Subject
231-001-022	4	Service Circuits — 1/1A ESS Switches	Addendum	1	
231-001-023	4	Trunks — 1/1A ESS Switches	231-009-101	3	Duplication and Bus System — Description
● 231-001-030	1	Portable Maintenance Equipment — Cords, Tools, and Material	231-009-801	2	2598 Bus Transformer Replacement Procedures for the Peripheral Unit Address Bus — 2-Wire
231-001-045	1	Software Maintenance — 1 ESS Switch	Addendum	1	
Addendum	1		231-010-301	9	Procedures for Strapping Ferrod Sensors
231-001-101	1	Central Control — Description	231-010-305	1	Analyzing and Locating Troubles (Shorted Ferrods) in Scanners Using Ferrods Type 1, 2, 3, 4, or 5
■ Addendum	4		231-010-801	2	Ferrod Sensors Replacement Procedures
■ 231-001-102	3	Central Control — Program Instructions	231-011-101	1	Program Organization — Description
Addendum	2		■ 231-011-102	1	Maintenance Program Organization — Description
231-001-301	6	779A Tool 25-Bit Plug-In Matcher — Method of Operation and Tests	231-016-301	9	Checking and Resetting System Clock
Addendum	1		231-017-301	4	Dial Tone Delay Alarm Operation
231-001-305	2	Analyzing and Locating Trouble in the Central Control	231-019-101	5	General Growth Description
231-003-501	6	Teletypewriter Facility — Loop Tests	231-025-101	3	32K Call Store — Description
231-004-101	2	Memory Card Writer — Description	231-025-305	4	Analyzing and Locating Trouble in the 32K Call
231-004-510	1	Memory Card Writer — Tests, Adjustments, and Trouble Clearing	231-026-101	2	Administrative Data Link Facility — Description
Addendum	1				
231-004-801	8	1A Card Writing Unit — Piece-Part Data and Replacement Procedures	<b>231-030/044 Common Equipment — 2-Wire 1 and 1A ESS Switches</b>		
231-004-802	5	1A Card Loader — Piece-Part Data and Replacement Procedures	Addendum	2	
231-005-101	2	Program Store — Description	231-030-000	1	Central Pulse Distributor — Description
Addendum	1		Addendum	1	
231-005-305	2	Analyzing and Locating Trouble in the Program Store	231-030-010	1	Scanners — Description and Theory 1 and 1A ESS Switches
231-005-801	2	Program Store Memory Module Replacement Procedures	Addendum	1	
231-006-101	2	8K Call Store — Description	231-030-030	1	Signal Distributor — Description and Theory
231-006-305	2	Analyzing and Locating Trouble in the 8K Call Store	231-031-000	2	Ferreed Switching Network — Description
Addendum	1		Addendum	2	
231-007-305	2	Analyzing and Locating Trouble in Signal Distributors — 2-Wire and 4-Wire	231-031-004	1	Junctor Frame and Junctor Grouping Frame Description — With HILO 4-Wire Feature
			231-031-010	3	Remreed Switching Network — Description





Number	Issue	Subject	Number	Issue	Subject
■ 231-045-220	1	Peripheral Diagnostic and Exercise	231-048-302	2	Recent Change Message Program Listings, System Acknowledgments, RC18, RC16, RC29, and RC Failure Output Messages — Description (1E6/1AE6 and 1E7/1AE7 Generic Programs)
■ 231-045-225	1	Centrex and AIOD Diagnostic and Exercise Programs	■ Addendum	1	
■ 231-045-230	2	Trunk and Service Circuit Maintenance	■ 231-048-303	6	CCIS, CFTRK, TG, TGBVT, TGMEM, TKCONV, and TRK — Trunk Translation Recent Change Formats (1E6/1AE6 Through 1E8B.05/1AE8A.04 Generic Programs)
■ 231-045-235	2	Trunk and Line Test	■ Addendum	1	
■ 231-045-245	1	System Performance	■ 231-048-304	6	ARS, CCOL, CHRGX, DIGTRN, DITABS, DNHT, IDDD, IWSA, NOCNOG, NOGRAC, RATPAT, RI, RLST, TDXD, and TNDM, Rate and Route Recent Change Formats (1E6/1AE6 Through 1E8A/1AE8A.04 Generic Programs)
■ 231-045-255	1	Growth	■ Addendum	1	
■ 231-045-270	1	Network Maintenance	231-048-304	6	ARS, CCOL, CHRGX, DIGTRN, DITABS, DNHT, IDDD, IWSA, NOCNOG, NOGRAC, RATPAT, RI, RLST, TDXD, and TNDM, Rate and Route Recent Change Formats (1E6/1AE6 Through 1E8A/1AE8A.04 Generic Programs)
■ 231-045-275	1	Ringling, Tones, and Recorded Announcement Maintenance	■ Addendum	1	
■ 231-045-405	3	Common Channel Interoffice Signaling	231-048-305	5	GENT, PSBLK, PSWD, and SUBTRAN — Recent Change Formats (1E6/1AE6 and 1E8A/1AE8A.04 Generic Programs)
■ 231-045-410	1	Digital Carrier Trunk	■ Addendum	1	
■ 231-045-415	1	10A Remote Switching System — Call Processing	231-048-306	4	OBS, TOBS, and PLUG — Recent Change Formats (1E6/1AE6 Through 1E8A/1AE8A Generic Programs)
■ 231-045-420	1	10A Remote Switching System Maintenance — 2-Wire 1/1A ESS Switches	■ Addendum	1	
■ 231-045-425	1	Voice Storage System — Interface Software	231-048-307	4	CTRF, DIGTRN, NUTS, TNCTX, TRFHC, TRFLCU, and TRFSLB Traffic Measurement Recent Change Formats (1E6/1AE6 Through 1E8A/1AE8A Generic Programs)
■ 231-045-430	2	Peripheral Unit Controller	■ Addendum	4	
■ 231-045-435	1	Automatic Call Distributor	■ 231-048-308	4	AC, ACTABL, CUSTCB, DATLNK, DAMBI, DAMSK, DATER, ESCO, ESN, SAC, TCM, and TNESN — Recent Change Formats (1E6/1AE6 and Later Generic Programs) (2-93)
■ 231-045-440	1	Peripheral Unit Controller/Data Link	■ Addendum	2	
■ 231-045-445	1	HILO 4-Wire Operation and Maintenance — 2-Wire 1/1A ESS Switches	■ 231-048-309	4	CTXCB, CTXDI, CXDICH, DITABS, DLG, FLXDG, FLXRD, and FLXRS — Centrex-CO/ESSX-1 Recent Change Formats — (1E6/1AE6 Through 1E8/1AE8 Generic Programs)
■ 231-045-455	1	Electronic Tandem Switching — Software			
■ 231-045-460	1	E911 Programs			
■ 231-045-490	1	ACMOS Operational Software			
<b>Translation Data and Recent Changes</b>					
■ Addendum	1				
231-048-001	3	Translations — Basic Concepts			
231-048-002	1	Line Translation Data — Description			
231-048-003	1	Trunk Translation Data — Description			
231-048-004	2	Routing and Charging Translations — Description			
231-048-010	1	MSN, CPDN, and Link List — Translation Data Description			
Addendum	1				
231-048-301	4	General Recent Change and Verification Information — Description —(1E6/1AE6 Through 1E8A/1AE8A Generic Programs)			

Number	Issue	Subject	Number	Issue	Subject
■ Addendum 231-048-310	3 4	ANIDL, BISI, CAMA, CFG, CLAM, CPD, JUNCT, LRE, MSN, NMTGC, PLM, PUC, PUCMB, RCHAN, ROTL, RSP, RSSCB, SCGA, SIMFAC, and TMBCGA — Recent Change Formats (1E6/1AE6 Through 1E8A/1AE8 Generic Programs)	231-049-301	1	Trunk Cutover Procedures — Utilizing Trunk Cutover Control Program (TCCP) — (1E5, 1AE5 and Later Generic Programs)
Addendum 231-048-311	1 3	Translators Not Having Specific Recent Change Messages — Updating Translations — (1E6/1AE6 Through 1E8A/1AE8A Generic Programs)	231-049-303	1	52A Responder — Drop Build-Out Network Adjustments — Return Loss Measuring Option
■ Addendum ■ 231-048-312	2 6	ACT, CFV, DNR LINE, MLHG, MOVE, MPTY, OB LIST, SIMFAC, TNESN, TWOPTY — Line Recent Change Formats — 1E6/1AE6 Through 1E8B.05/1AE8A.04 Generic Programs	Addendum 231-049-305	2 1	Remote Trunk Test Unit — Growth Procedure
■ 231-048-313	7	ICCB — Recent Change Formats — (1A8A/1AE8A and Later Generic Programs) 1 and 1A ESS Switches (3-95)	231-049-306	2	Remote Trunk Test Unit — Build-Out Procedure
231-048-332	1	Adding a Centrex Console, or Nonconsole Data Link — Recent Change Procedures	231-049-310	2	Remote Terminal Maintenance From Host — Description — No. 10A Remote Switching System
231-048-333	1	Adding or Removing a Centrex-CO/ESS-1 Customer Overall Procedures (All Generic Programs)	231-049-315	2	Juncture Redistribution — Recent Change and Verification
231-048-346	2	Remote Switching System (RSS) — Recent Change Implementation Procedures (1E6/1AE6 and 1E7/1AE7 Generic Programs)	231-049-325	1	Centrex Data Link and Console — Demand Exercise Program — Procedures
231-048-348	2	Electronic Tandem Switching — Recent Change Implementation Procedures (1A6/1AE6 and 1E7/1AE7 Generic Programs)	231-049-326	1	Centrex Data Line and Attendant Telephone Console — Maintenance Procedures
■ Addendum 231-048-350	2 4	Carrier Interconnection — Recent Change Implementation Procedures — (1E8A/1AE8A through 1AE11 Generic Programs)	231-049-327	1	CAMA Operator Position — Exercise (COPE) Procedures
<b>Growth and Maintenance Considerations</b> 231-049-001	3	1 ESS Switch to 1A ESS Conversion — Description	231-049-330	2	Remreed Switches — Line Link Network and Trunk Link Network — Maintenance Considerations
			231-049-331	2	Ferreed Switches, Line Link Network and Trunk Link Network — Maintenance Considerations
			231-049-335	1	Automatic Identified Outward Dialing — Maintenance Considerations
			<b>231-050/059 Task Oriented Practices — Common to 2-Wire 1 and 1A ESS Switches</b>		
			Addendum	1	
			▲231-050-001	1	2-Wire Trunk Transmission Tests Using STTP/TLTP/MTTP — 1/1A ESS Switch
			▲231-050-002	2	Signal Distributor and Scanner Miniaturized Trunk Frames
			▲231-050-006	2	Trunk Test Panels and Test Lines Operational Tests Lines — Operational Tests (Generics 1E6, 1AE6 and Earlier)
			▲231-050-007	2	Manual Trunk Test Position — Operational Tests (Generic 1E7 and 1AE7)

Number	Issue	Subject	Number	Issue	Subject
▲231-050-008	2	Supplementary Trunk Test Panel — Operational Tests (Generics 1E7 and 1AE7)	▲231-055-010	5	Recorded Announcement Frames — (Generic Programs 1E7/1AE7 and Earlier)
Addendum	1		▲231-055-015	2	Miscellaneous Frames
▲231-050-009	2	Trunk and Line Test Panel — Operational Tests (Generic 1E7 and 1AE7)	▲231-055-030	2	Switching Control Center System Interface
▲231-050-010	3	HILO 4-Wire Trunk Transmission Tests Using Manual Trunk Test Position	<b>231-060 Network Switching Engineering — 2-Wire 1 and 1A ESS Switches</b>		
▲231-050-011	3	HILO 4-Wire Trunk and Service Circuit Tests	231-060-100	1	Traffic Order Preparation — General
▲231-050-012	2	HILO Trunk Frames	231-060-110	1	Traffic Order Preparation — Initial Offices
■▲Addendum	3		231-060-210	1	Service Circuits
▲231-050-015	5	Digital Carrier Trunk Frame	231-060-220	1	Trunk Receivers and Transmitters — Network Switching Engineering Service Circuits
▲231-050-021	1	CCIS — Local/Toll Using PUC/DL and 2400 DL	231-060-270	1	Service Circuits — Revision Notes
▲231-050-023	2	Trunk Circuit Tests — (1E5/1AE5 With MTTP Features) — 1E6/1AE6 Generic	231-060-310	2	Line Link Network
■▲231-050-024	3	Service Circuit Tests — (1E5/1AE5 With MTTP Features) — 1E6/1AE6 Generics	Addendum	1	
▲231-050-027	3	Peripheral Unit Controller — Data Link Frame	231-060-320	1	Network Engineering — Trunk Link Networks
■ Addendum	1		Addendum	1	
■▲231-051-001	4	Switching Network Operations and Trouble Clearing Data (TOP document)	231-060-330	1	Junctors and Intraoffice Trunks
▲231-051-002	4	Remreed Frames (Generic 1E6/1AE6 and Earlier)	231-060-340	1	Junctor Assignment Procedure
Addendum	1		231-060-630	1	1 ESS to 1A ESS Conversion Considerations
▲231-051-003	2	Ferreed Frames	231-060-810	2	Poisson Capacity Tables
▲231-051-004	2	Loop Range Extension Frame and LRE Test System (Generic 1E6/1AE6 and Later)	231-060-811	1	Traffic Order Worksheets — Traffic Order Preparation — Initial Offices
▲Addendum	1		231-060-812	1	Engineering Worksheets — Office Characteristics
▲231-051-022	3	Remreed Frames (Generic 1E7/1AE7 and Later)	231-060-820	1	Traffic Order Worksheets — Service Circuits
▲231-052-001	2	Office Alarm Systems	231-060-822	1	Traffic Order Worksheets — Trunk Receivers and Transmitters
Addendum	2		231-060-830	2	Network Engineering — Traffic Order Worksheets — Line Link Network
▲231-053-000	2	Remote Switching System Interface (Maintenance From Host)	231-060-831	1	Network Engineering — Traffic Order Worksheets — Trunk Link Networks
▲231-055-000	2	Lines	231-060-832	1	Traffic Order Worksheets — Junctor and Intraoffice Trunk Determination
▲231-055-004	3	Dynamic Overload Control and Network Management Controls			
Addendum	1				
▲231-055-008	2	Remote Office Test Line			

Number	Issue	Subject	Number	Issue	Subject
<b>231-061 Network Switching Engineering — 2-Wire 1 ESS Switch</b>			231-062-842	2	Traffic Order Worksheets — File Stores
231-061-010	2	General Information — Introduction	231-062-845	1	Traffic Order Worksheets — Call Store/Program Store Hardware
231-061-400	2	Central Control and Signal Processor — Processor Capacity Considerations	<b>231-070 Network Administration — 2-Wire 1 and 1A ESS Switches</b>		
231-061-410	2	Central Control and Signal Processor — Precutover Capacity Determination	231-070-110	1	System Description
Addendum	1		231-070-115	1	Processor Community
231-061-420	3	Central Control and Signal Processor — Post Cutover Capacity Determination	231-070-120	1	Call Processing
231-061-450	1	Program Store	231-070-150	1	Administration Responsibilities
231-061-460	2	Call Stores	231-070-155	1	Capacity Management General
231-061-510	1	Centrex	231-070-160	3	Method of Procedure — Transition Administration
231-061-605	1	Traffic Measurements	231-070-190	3	Operational Review
231-061-840	1	Network Design Worksheets — Program Store	231-070-215	1	Capacity Determination Work Sheets
231-061-850	1	Network Design Worksheets — Centrex	231-070-240	1	Central Office Replacement — Task Overview and Check List
<b>231-062 Network Switching Engineering — 2-Wire 1A ESS Switch</b>			Addendum	2	
<b>Central Processor</b>			231-070-305	1	Service Circuits Description
231-062-010	2	General Information — Introduction	Addendum	1	
231-062-400	2	Processor Capacity Considerations	231-070-320	1	Networks and Junctors — Description
231-062-410	2	Precutover Capacity Determination	231-070-325	2	Network Transition — Considerations
<b>Processor Community Engineering</b>			231-070-326	1	Junctor Transition — Analysis Procedures
231-062-420	2	Postcutover Capacity Determination	231-070-405	1	Memory — General Description
Appendix 1	1	Central Control and Signal Processor — Capfit Formulas	231-070-410	1	Concepts of Translations
231-062-460	2	Program Store Memory	231-070-415	1	Translations/Office Records
231-062-465	1	Call Store Memory — Duplicated Software	231-070-425	3	Translations Spare Word Administration
231-062-470	2	Call Store Memory — Unduplicated Software	231-070-427	1	Memory Administration
231-062-473	1	Call Store/Program Store Hardware	231-070-430	1	Call Store Items
231-062-475	2	File Stores	231-070-435	1	Parameters and Call Store Administration
231-062-480	1	Auxiliary Data System	231-070-505	2	Traffic Measurements — General Description
			Addendum	1	
			231-070-510	3	Quarter-Hour Measurements
			Addendum	1	
			231-070-515	2	Traffic Measurements — Hourly Schedules
			Addendum	2	
			231-070-520	2	Traffic Measurements — Daily Schedules

Number	Issue	Subject	Number	Issue	Subject
Addendum	2		231-070-662	1	HILO and 2-Wire Tandem Traffic Measurements
231-070-525	2	Traffic Measurements — Weekly Schedules	231-070-663	1	HILO and 2-Wire Tandem — Division of Revenue Separation Matrix
231-070-527	1	Special Studies Control and Surveillance Procedures	231-070-664	1	HILO and 2-Wire Tandem — Remote Trunk Arrangement (RTA)
231-070-528	1	Special Studies — Subscriber Line Usage Study (SLUS) Implementation	231-070-710	1	Dial Tone Speed Delay
231-070-555	2	Central Office Equipment Reports (COER) — Administrative Guidelines	Addendum	1	
231-070-556	1	Central Office Equipment Reports (COER) — Office Description File Procedure	231-070-715	2	Matching Loss
231-070-557	1	Central Office Equipment Reports (COER) — Exception and Reliability Report Analysis	231-070-720	1	Service Observing
231-070-558	1	Central Office Equipment Reports (COER) — Busy Hour Determination (BHD)	231-070-725	1	Receiver Attachment Delay
231-070-559	1	Central Office Equipment Reports — CAPFIT Real Time Administration	231-070-730	1	Blocked Dial Tone/No. 2 SCCS Work Station
231-070-560	1	Patrol Remote Batch Data Entry	231-070-740	2	Load Balance — Description
231-070-561	1	Remote Switching System Central Office Equipment Reports — Description	231-070-742	1	Signal Distributor — Administrative Responsibilities
231-070-580	1	Busy Hour Determination	231-070-754	1	Network Switching Performance Measurement Plan — Service Monitoring Procedures
231-070-605	2	Line and Number Administration Considerations	231-070-755	2	Service Surveillance
231-070-606	1	Concentrated Range Extension With Gain (CREG)	231-070-756	1	Dial Tone Speed Service Problems — Analysis Procedures
Addendum	1		231-070-757	1	Matching Loss Problem — Analysis Procedures — Network Administration
231-070-620	2	Determination of Line and Number Requirements	231-070-758	1	Ineffective Attempts Problem — Analysis Procedures — Network Administration
231-070-630	2	Centrex and ESSX-1 — General Description	231-070-760	1	Office Overload Procedures
231-070-635	2	Centrex Planning and Cutover	Addendum	1	
231-070-636	1	50B Customer Premises System Translations	231-070-805	2	Line Load Control
231-070-640	1	Wide Area Telecommunications Service	231-070-806	1	Line Service Overload Strategy — Administrative Considerations
231-070-655	1	Enhanced Private Switched Communications Service (EPSCS) — Administrative Procedures	231-070-830	1	Recorded Announcements
231-070-660	1	HILO and 2-Wire Tandem Administration	231-070-850	1	35ASR Teletypewriter
231-070-661	1	HILO and 2-Wire Tandem Translations	231-070-860	1	Master Control Center
			231-070-875	1	DATASPEED® 40 Terminal
			231-070-880	1	Verification of Stored Information
			<b>231-080 Network Maintenance — 2-Wire 1 and 1A ESS Switches</b>		
			Addendum	1	
			231-080-201	1	Parameter Changes — Administrative Responsibilities
			231-080-301	1	Digital Carrier Trunk Frame — Implementation Guidelines

Number	Issue	Subject	Number	Issue	Subject
<b>231-090/091 Feature Documents — Common to 2-Wire 1 and 1A ESS Switches</b>					
231-090-011	5	Abstracts	■ 231-090-081	6	Call Waiting Feature Document (3-95)
■ Addendum	1		■ 231-090-082	2	Calls Waiting Lamps
■ 231-090-052	2	Automatic Line Insulation Test	■ 231-090-083	3	Calling Line Identification
■ 231-090-053	2	Station Ringer and Touch-Tone Test	231-090-084	3	Carrier Group Alarm and Trunk Make- Busy Key
■ 231-090-054	1	Glare Resolution	■ 231-090-085	4	Common Control Switching Arrangement (2-93)
231-090-055	3	Attendant Call Through Test on Centrex Trunks	■ 231-090-089	2	Call Pickup
■ Addendum	2		■ 231-090-090	2	Centrex-ESS-1 Direct Inward Dialing
■ 231-090-056	2	Attendant Camp-On With Indication of Camp-On	■ 231-090-092	2	Code Calling
■ 231-090-057	2	Attendant Conference	■ 231-090-094	2	Code 103 Test Line
■ 231-090-058	2	Attendant Control of Trunk Group Access	■ Addendum	1	
■ 231-090-059	1	Attendant Direct Station Selection With Busy Lamp Field (50A CPS)	■ 231-090-095	3	Coin
■ 231-090-060	2	51A Customer Premise System Attendant Position	■ 231-090-097	2	Coinless Public Telephone Service
■ Addendum	1		■ 231-090-098	2	Code 100-Type Test Line
■ 231-090-061	1	Prefixed Access Code Translator	■ Addendum	1	
■ Addendum	1		■ 231-090-099	3	Code 105-Type Test Line
■ 231-090-062	2	Peripheral Unit Controller/Data Link	■ 231-090-100	3	Code 101-Type Test Line
■ 231-090-065	3	AUTOVON Interface	■ 231-090-101	2	Code 102-Test Line
■ 231-090-066	2	Auxiliary Line Circuit	■ 231-090-102	1	Code 107-Type Test Line
■ 231-090-067	2	2400 Data Link	■ 231-090-103	1	Synchronous Test Line
■ Addendum	2		■ 231-090-104	1	Tandem Test Line
■ 231-090-070	2	Busy-Verification of Station Lines and Centrex Trunks	■ 231-090-105	2	Combined Touch-Tone and Dial Pulse Calling on Incoming Tie Trunks
■ 231-090-074	6	Call Forwarding Variable Feature (11-94) Mike Auter 708-224-7053	■ 231-090-106	2	Interface With the Recorded Announcement Frame J1A058C
■ 231-090-075	7	Call Forwarding Busy Line and Call Forwarding Don't Answer Feature Document (11-94)	■ Appendix 1	1	Interface With the Recorded Announcement Frame J1A058D
■ 231-090-076	3	Call Hold (CHD)	■ Appendix 2	1	Interface With the Recorded Announcement Frame J1A058E Feature Document (1A and 1A ESS Switches)
■ Addendum	1		■ 231-090-107	1	Interface With the Recorder Announcement Frame (J1A058A)
■ 231-090-079	3	Call Transfer	■ 231-090-108	1	Interface With Desks
■ Addendum	3		■ 231-090-112	1	Interface With Switchboards
■ 231-090-080	2	Three-Way Calling	■ 231-090-114	5	Interface With Traffic Service Position System Feature (12-92)
			■ 231-090-115	1	Interface With the Automatic Intercept System (AIS)
			■ 231-090-116	2	Station Dial Conference

Number	Issue	Subject	Number	Issue	Subject
■ Addendum	2		■ Addendum	1	
■ 231-090-120	6	1 and 1A ESS Switches — Carrier Interconnect Feature — Feature Document	■ 231-090-163	2	Facility Administration and Control — Electronic Tandem Switching
■ 231-090-121	1	Sleeve Lead Control	■ 231-090-165	2	Account Codes — Electric Tandem Switching (2-93)
■ 231-090-122	2	Cut-Through to Operator After Local Intercept Announcement	■ 231-090-166	6	Station Message Detail Recording to Customer Premises — Electronic Tandem Switching (11-93)
■ 231-090-123	2	Delay Announcements	■ 231-090-167	2	Basic Queuing for Trunks and Lines
■ 231-090-125	1	Inactive Line	■ 231-090-168	2	Traffic Data to Customer (Pollable) — Electronic Tandem Switching
231-090-135	4	User Dialed Authorization Codes — Electronic Tandem Switching	■ 231-090-169	1	Selective Customer Control of Facilities
■ 231-090-137	1	Automatic Time-Out of Announcements and Tones	■ 231-090-171	1	Centralized Attendant Service
■ 231-090-138	1	Traveling Class Mark (TCM) — Enhanced Private Switched Communication Service (EPSCS) — Electronic Tandem Switching (ETS)	■ Addendum	1	
■ 231-090-142	2	Flexible Route Selection	■ 231-090-173	3	Manual Line Service (2-93)
■ Addendum	2		■ 231-090-177	1	50B Customer Premises System Attendant Position
■ 231-090-143	2	Party Line Service	■ 231-090-178	1	50A CPS Attendant Position
■ 231-090-144	1	Automatic Callback Calling	■ Addendum	1	
■ Addendum	1		■ 231-090-179	2	Series Completion
■ 231-090-145	1	Full ESSX-1	■ Addendum	2	
■ 231-090-146	5	Routing-Selected Transmission Control Feature Document (7/94)	■ 231-090-180	3	Multiline Groups—Hunting and Nonhunting Capabilities
■ 231-090-147	2	Identified Outward Dialing	■ 231-090-186	2	Night Service
■ 231-090-150	1	Incoming Call Identification (ICI)	Addendum	1	
■ 231-090-152	3	Digital Carrier Trunk (3-95)	■ 231-090-188	2	Service Observing Functions
■ Addendum	2		■ 231-090-191	1	Revertive Pulsing Trunks
■ 231-090-153	2	Operation With Remote Switching System	■ 231-090-192	2	Open Switching Interval Protection
■ Addendum	3		■ Addendum	1	
■ 231-090-154	3	Electronic Tandem Switching (2-93)	■ 231-090-195	1	Line Service Overload Strategy
■ 231-090-155	1	Call Forwarding Variable Via Private Facilities (CFPF) and CFPF/Electronic Tandem Switching Compatibility (2-85)	■ 231-090-196	2	Operator Tandem
Addendum	2		■ 231-090-199	2	Loudspeaker Paging
■ 231-090-158	4	1 and 1A ESS Switches Distinctive Ringing/Distinctive Call Waiting Tone Feature Document (12-92)	■ 231-090-200	2	Radio Paging Access
■ 231-090-159	5	International Direct Distance Dialing Features	■ 231-090-205	5	Permanent Signal and Partial Dial Treatment and Permanent Signal Administration
■ Addendum	1		■ 231-090-210	1	Power Failure Transfer — Attendant
■ 231-090-160	2	Deluxe Queuing — Electronic Tandem Switching	■ 231-090-211	1	Interface With MJ and MK Mobiles Radio Telephone System
			■ 231-090-217	2	Recorded Telephone Dictation

Number	Issue	Subject	Number	Issue	Subject
■ 231-090-219	4	Remote Office Test Line and Processor Controlled Interrogator	■ Addendum	2	
■ 231-090-229	2	Simulated Facilities Feature — 2-Wire	■ 231-090-305	1	Network Management
■ 231-090-234	2	Toll Operator Signaling and Compatibility With TSPS Residual Traffic (TORT)	■ 231-090-308	2	Interface With Pair Gain Systems
■ Addendum	1		■ 231-090-309	1	Receiver Attachment Delay Report (RADR)
■ 231-090-253	3	Through Dialing	■ Addendum	1	
■ Addendum	2		■ 231-090-312	3	Remote Call Forwarding
■ 231-090-254	1	Tandem Tie Trunk Service (Non-senderized)	■ 231-090-316	1	Through Balance Test Facilities — 1 ESS Switch
■ Addendum	1		■ 231-090-321	2	Toll Diversion to Attendant
■ 231-090-256	1	Tie Trunk and Foreign Exchange Service	■ 231-090-334	2	Automatic Call Distribution — Phase 1
■ 231-090-260	2	Trunk Answer From Any Station	■ 231-090-336	1	ACD Multiline Group Hunt — 2-Wire
■ 231-090-262	1	Trunk Group Busy Lamp (TGBL)	■ 231-090-338	3	Tones and Announcements to ACD Agents
■ 231-090-269	1	Basic ACD Service	■ Addendum	1	
■ 231-090-273	2	Outward Wide Area Telecommunications Service	■ 231-090-339	3	ACD Queuing and Call Distribution to Agents (2-93)
■ 231-090-274	1	800 Service — Originating Screening Office	■ Addendum	2	
■ 231-090-275	3	800 Service — Terminating End Office (11-94)	■ 231-090-340	2	Selected Traffic to Customer
■ Addendum	1		■ 231-090-342	2	Code 104-Type Test Line (104 TL)
■ 231-090-276	1	Busy/Idle Status Indicator	■ 231-090-344	2	Directory Assistance Charging
■ Addendum	1		■ 231-090-345	1	Fast Repeat of Answer Supervision
■ 231-090-278	1	Centralized Automatic Message Accounting (CAMA)	■ Addendum	1	
■ Addendum	1		■ 231-090-346	1	Division of Revenue Measurements — (1E8/1AE8 Generic Program and Later)
■ 231-090-280	1	Hotel/Motel Service	■ Addendum	2	
■ 231-090-285	1	Hospital Service	■ 231-090-350	2	Division of Revenue Peg Counts
■ Addendum	1		■ 231-090-351	1	Customer Controlled Station Restriction (CCSR)
■ 231-090-287	2	Universal Emergency Service Number 911 — Basic 911 Service	■ 231-090-356	2	Coin Line Activity Monitoring
■ 231-090-288	5	Universal Emergency Service Number 911 — Enhanced 911 Service Feature Document	■ 231-090-359	1	Semirestricted Centrex Station Class
■ 231-090-291	2	Customer Dialed Account Recording	■ Addendum	1	
■ Addendum	2		■ 231-090-366	3	HILO 4-Wire Switching
■ 231-090-292	2	Call Forwarding Usage Sensitive	■ Addendum	2	
■ 231-090-294	1	Combined Operator Office Trunk	■ 231-090-370	3	Dial Call Waiting
■ 231-090-300	1	Flexible Incoming Call Restriction (FICR)	■ 231-090-371	2	Directed Call Pickup — Nonbarg-In
■ 231-090-304	1	Multiple Position Hunt	■ 231-090-372	1	2-Wire Toll/Tandem Operation
			■ 231-090-399	2	Automatic Call Distribution — Phase 2 Description
			■ 231-090-400	1	Single Digit Dialing



Number	Issue	Subject	Number	Issue	Subject
■ 231-090-401	6	Speed Calling Feature (11-94)	■ 231-090-421	1	Interface With Coordinator Cathode-Ray Tube Terminal Feature — Automatic Call Distribution — Phase II
■ Addendum	1		■ 231-090-422	1	Interface With 60A Customer Premises System — Automatic Call Distribution — Phase 1
■ 231-090-402	1	Station Message Register Service	■ 231-090-423	1	Interface With 60B Customer Premises System — Automatic Call Distribution — Phase 2
■ Addendum	1		■ 231-090-424	1	Interface With 90A Customer Premises System — Automatic Call Distribution — Phase I
■ 231-090-403	1	Directed Call Pickup With Barge-In	■ 231-090-425	7	1/1AESS Feature Handbook (12-93)
■ 231-090-404	3	Echo Suppressor Measuring System (ESMS) — Feature Document (3-94)	<b>231-099 Customer Information Releases (CIRs)</b>		
■ Addendum	1		231-099-001TD	1	Selected Traffic Data to Customer (CTRF) Enrichment Feature, Switching Systems
■ 231-090-408	2	Outgoing Trunk Queueing (Phase 1)	231-099-002TD	1	Centrex Flexible Route Selection (FRS) Improvements, Switching Systems
■ 231-090-409	1	Multifrequency Signaling on Bylink Trunks	231-099-003TD	1	Centrex 2-Digit Individual Speed Calling, Switching Systems
■ Addendum	1		■ 231-099-004TD	1	INWATS AMA On DID Trunks, Switching Systems
■ 231-090-410	1	Incoming Trunk Service Observing	231-099-005TD	1	Attendant Call-Through Test Capability (Remote Test Verification System), Switching Systems
■ 231-090-411	1	Interface With Common Systems — Recorded Announcement Frame	231-099-006TD	1	Simplified Message Desk Interface, Switching Systems
■ Addendum	1		231-099-007TD	1	Electronic Tandem Switch Billing Improvements, Switching Systems
■ 231-090-412	3	Basic Data Link Input/Output Control	231-099-008TD	1	Circuit Switched Digital Capability (CSDC), Switching Systems
■ 231-090-413	2	Interface With ACD-ESS Management — Information System	231-099-009IR	1	1AE8 Issue 8A CCW and Usage Sensitive 3-Way Calling (USTWC) Features Ordering and Billing Classification, Switching Systems
■ 231-090-415	1	ACD Phase 2 Agent Log-In	231-099-010NP	1	Periodic Partial Update Process and Forthcoming Custom Features for 1A ESS Switching Equipment Systems, Switching Systems
■ Addendum	3				
■ 231-090-416	2	Common Channel Interoffice Signaling — Local and Toll			
Appendix 1	1	Associated Common Channel Signaling			
■ Addendum	1				
■ 231-090-417	1	Message Detail Recording on Tie Trunks			
■ 231-090-418	1	ACD Interface With 12A Customer Information System			
■ 231-090-419	1	Interface With Property Management System			

Number	Issue	Subject	Number	Issue	Subject
231-099-011NP	4	1A ESS Switching Equipment Generic Program 1AE9 - New Features and Enrichments, Switching Systems	231-099-027IR	3	Interface Information (Protocol) — Local Area Signaling Services for the 1A ESS Switch, 1AE9 Generic Program, Switching Systems (9-93)
231-099-012PS	1	Updated Keyboard Display for 1A ESS Switches, Switching Systems	231-099-028IR	1	New AMA Capabilities — 1A ESS Switch, Switching Systems
231-099-013IR	2	1E/1A ESS Switch Translation Growth Process, Switching Systems	231-099-029TD	1	1A ESS Input/Output Asynchronous Protocol Specifications, Switching Systems
231-099-014NP	1	Periodic Partial Update for 1AE8 Issue 8A.03 & Forthcoming Custom Features for 1A ESS Switch Systems, Switching Systems	231-099-030NP	1	1A ESS Switch Generic 1AE8 Issue 8A.06 Availability, Switching Systems
231-099-015TD	1	Home Intercom 1A ESS Switch Custom Feature, Switching Systems	231-099-031TD	1	Interface Specification for Long-Haul Modems for Use in Centrex Data Facility Pooling, Switching Systems
231-099-016TD	1	Immediate AMA Dump Capability 1A ESS Switch Custom Feature, Switching Systems	231-099-032IR	2	Interface Information (Protocol) Pay Per View (STAR 85), Switching Systems
231-099-017TD	1	Centrex Improved Recent Change Line Entry (CLE) 1A ESS Switch Custom Feature Offering, Switching Systems	231-099-033IR	1	Signal Reception and Rejection Limitations for ESS Switches, Switching Systems
231-099-018IR	1	Centrex Data Facility Pooling, Switching Systems	231-099-034NP	3	1A ESS Switch 1AE10/CCST Generic Program New Features and Enrichments, Switching Systems
231-099-019NP	1	Network Management Reroutes with 1/1A ESS Carrier Interconnect, Switching Systems	231-099-035ML	1	1A ESS Switch ETS Business Custom Features, Switching Systems
231-099-020IR	1	Generic Program Software Support Policy 1/1A ESS Switching Systems	231-099-036PS	2	E911 Automatic Location Identification/Data Management System, Switching Systems
231-099-021TD	1	Equal Access Considerations for HILO Offices, Switching Systems	231-099-037PS	2	ALI/MUX (Automatic Location Identification/Multiplexer), Switching Systems
231-099-022TD	4	Message Service System Interface Specifications, Switching Systems	231-099-038PS	3	E911 ANI (Automatic Number Identification) Controller and Display Unit, Switching Systems
231-099-023TD	2	Simplex Voiceband Digital Interface Specification, Switching Systems	231-099-039ML	1	1A ESS Switch Home Intercom/Single Line Variety Package Custom Features, Switching Systems
231-099-024TD	1	Centrex Data Facility Pooling Interface Specifications, Switching Systems	231-099-040IR	1	New AMA Formats for the Remote Access and Centrex Station Rearrangements Feature — 1A ESS Switch, Switching Systems
231-099-025TD	1	1A ESS Switch Associated Common Channel Signaling, Switching Systems	231-099-041IR	3	New AMA Structure Codes for LASS — 1A ESS Switch, Switching Systems.
231-099-026NP	1	1A ESS Switch Generic 1AE8 Issue 8A.05 Availability, Switching Systems			

Number	Issue	Subject	Number	Issue	Subject
231-099-042IR	3	New AMA Function Codes for LASS — 1A ESS Switch, Switching Systems.	<b>231-1 2-Wire — 1 ESS™ Switch</b>		
231-099-043ML	1	1A ESS Switch Remote Access to Call Forwarding Feature, Switching Systems.	<b>231-100/159 System Equipment and Operation</b>		
231-099-044MA	1	E911 ANI (Automatic Numbering Identification) Controller Circuit Pack Upgrade, Switching Systems	Addendum	1	
231-099-045IR	1	AMA Formats for the Service Switching Points Feature — 1A ESS Switch, Switching Systems	231-100-101	2	Signal Processor — Description of System Operation
231-099-046NP	1	Periodic Update Process for 1A ESS Switch APS Software, Switching Systems	■ Addendum	1	
231-099-048IR	1	AMA Formatting Change for the 1A Switch, Switching Systems	■ 231-100-102	2	Signal Processor — Program Instructions
231-099-049MG	1	Deterioration of Voice Grade Ferreed Contacts in 242-Type Network Switches, Switching Systems	231-100-311	3	Cutover Procedures (Pident SACT) — (CTX-6 and Later Generic Programs)
231-099-050MG	1	CALL-STALKER® E911 System — Direct Trunking Compatibility Alert, Switching Systems	231-102-101	1	Junctor, Trunk, and Service Circuits — Description
231-099-051IR	1	AMA-LDC (Long Duration Call) — 1A ESS Switch, Switching Systems	231-103-101	2	Call Processing — Description
231-099-052TD	1	Output Specification Document from the APS (Attached Processor System) for the SBVA Feature — 1A Switch, Switching Systems	Addendum	1	
231-099-053NP	1	1A ESS Switch 1AE11 Generic Program — New Features and Enrichments, Switching Systems	231-104-301	7	Updating Program Store Translation Information
231-099-055IR	1	Discontinued Availability of the 1 ESS Switch, Switching Systems	Addendum	1	
■ 231-099-056IR	7	1A ESS Switch Automatic Message Accounting (AMA) Formatting Changes (10-94)	231-104-302	8	Single Card Writing Procedures (Generic Program Overwrites)
231-099-057NP	1	1A ESS Switch 1AE12 Generic Program — New Features	231-104-305	2	Monitoring Recent Change Area — Customer Originated Recent Change (CORC)
■ 231-099-058TD	1	1A ESS Switch Advanced Services Interface (ASI) Proxy Feature Interface Specifications (11-94)	231-105-301	4	General Maintenance Procedures
			231-105-302	4	Procedures for Taking Equipment Out of Service, Removing and Restoring Equipment to Service — 2-Wire
			231-105-305	1	Clock Speedup — Descriptions and Procedures
			231-106-301	3	Method of Handling Complaints and Requests — AMA Charge Irregularities
			231-107-301	3	Trunk Error Analysis Tables and Trunk Error Message
			231-109-101	2	Maintenance Interrupt Description
			■ Addendum	2	
			■ 231-109-302	1	Analyzing Maintenance Interrupts and Trouble Locating Procedures — Generic 1E4 Through 1E6
			■ 231-110-301	6	Call Tracing and Calling Line Identification Procedures
			■ Addendum	2	
			231-111-101	2	786A Tool — Buffer Bus — Data Insert Keys — Description

Number	Issue	Subject	Number	Issue	Subject
231-111-105	1	System Recovery — Description	■ 231-119-324	5	Ferreed and Remreed Trunk Link Network — Growth Procedures
■ Addendum	2		■ 231-119-325	4	Juncture Frame (Home or Mate) — Growth Procedures
■ 231-112-304	2	Analyzing Audit Output Messages	■ 231-119-326	2	Miscellaneous Trunk Frame — Equipped With a Teletypewriter Transmitter- Receiver — Growth Procedures — (CTX-6 Through CTX-8 Issue 3 Generic Programs)
231-114-501	4	Emergency Manual Line Circuit — SD- 1A156-01 and SD- 1A243-01 — Tests	■ 231-119-328	4	Supplementary Trunk Test Frame and Auxiliary Test Frame — Growth Procedures
231-115-501	11	Attendant Interface Frame, Auxiliary Manual Test Circuit, Processor Interface Frame, and Peripheral Data — Storage Processor Frames — Office Alarm Tests	■ Addendum	1	
■ Addendum	2		■ 231-119-329	2	Centrex Data Link Frame and Centrex Data Link Unit — Growth Procedures
■ 231-117-301	3	Off-Line Operations	■ 231-119-330	2	Central Control to Signal Processor — Conversion Procedures (CTX-6 and Later Generic Programs)
231-118-319	1	Locating, Analyzing, and Correcting Link List Troubles — All Generic Programs	■ 231-119-331	2	Miscellaneous Trunk Frame With Step-by- Step Incoming Trunks Growth Procedures (CTX-6 Through CTX-8 Issue 3 Generic Programs)
231-118-339	2	Automatic Call Distribution (ACD) Phase 2 Recent Change Procedures — 1E4 Through 1E6 Generic Programs	■ Addendum	2	
Addendum	1		■ 231-119-332	1	Miscellaneous Trunk Frame Equipped With Automatic Identified Outward Dialing — Interface Circuit and Automatic Number Identification Connecting Unit — Growth Procedure (CTX-6 Through CTX- 8 Issue 3 Generic Programs)
231-118-340	2	Overall Procedures for Implementing Automatic Call Distribution (ACD) Phase 1 — Generic CTX-8, Issue 3, and 1E4	■ 231-119-335	1	Attendant Interface Frame — Growth Procedures (CTX-8 Generic Program)
231-118-342	1	Recent Change Procedures for Expanded 911 (E911) Service — 1E5 Generic Program	■ 231-119-341	4	Master Scanner — Growth Procedures
231-118-343	3	Enhanced Private Switched Communications Service (EPSCS II) — Recent Change Implementation Procedures — (1E6 and 1E7 Generic Programs)	■ Addendum	2	
231-119-320	5	Procedures for Building or Deleting Head Tables, Data Tables, Subtranslators, Auxiliary Blocks, and Unit Type Translators (Through 1E8A Generic Programs)	■ 231-119-342	3	8K Call Store Central Control or Signal Processor Growth Procedures
■ 231-119-321	5	2:1 Ferreed and Remreed Line Link Network — Growth Procedures	■ 231-119-343	3	Program Store — Growth Procedures
■ 231-119-322	4	Universal Trunk, Miniaturized Universal Trunk, and HILO Universal Trunk Frames (Home and Mate) — Growth Procedures	■ 231-119-344	3	Central Pulse Distributor — Growth Procedures — (CTX-6 Through CTX-8 Issue 3 Generic Programs)
■ 231-119-323	5	4:1 Ferreed and Remreed Line Link Network — Growth Procedures			

Number	Issue	Subject	Number	Issue	Subject
■ 231-119-345	4	Miscellaneous Trunk Frame and Miscellaneous Trunk Frame Signal Distributor (MTF/SSD, Combined MTF/SSD, or HILO MTF/SSD) — Growth Procedures	231-144-151	2	Enhanced Private Switched Communications Service — PDSP Software — Description
■ 231-119-346	3	Power Distributing, Recorded Announcement, Common Systems Recorded Announcement, Control and Distribution, Miscellaneous, Miscellaneous Power, Miscellaneous Trunk, Protector, Distributing, and Junctor Grouping Growth Frames (CTX-6 and Later Generic Programs)	231-144-152	2	Peripheral Data Storage Processor — Traffic Measurement Software — Description
Addendum	2		231-144-301	2	System Initialization and Recovery Procedure — Peripheral Data Storage Processor (PDSP)
■ 231-119-347	4	32K Call Store — Growth Procedures	231-144-303	2	Data Base Reallocation Procedure — Peripheral Data Storage Processor
■ 231-119-351	3	Manual Trunk Test Frame and Auxiliary Manual Test Frame Growth Procedures — (1E4 and Later Generic Programs)	231-144-304	2	Updating Generic Program — Peripheral Data Storage Processor (PDSP)
231-120-302	5	Plant Measurement Procedures	231-144-305	1	Tape Data Facility — Operating Procedures — Peripheral Data Storage Processor
231-121-301	4	Dial Tone Speed Test Procedures	231-144-306	1	System Growth Procedure — Enhanced Private Switched Communications Service (EPSCS) and E911 Peripheral Data Storage Processor (PDSP)
231-125-301	8	Master Control Center — Alarm, Display, and Control Panel — Method of Operation	231-144-307	2	Peripheral Data Storage Processor — Processor Interface Unit — Software Description and Maintenance Procedures
231-125-310	2	Displaying Scanner Row on Program Display Lamps of Master Control Center	231-144-308	2	PDSP Universal Data Link Controller and Data Link Interface — Software Description and Diagnostic Procedures
Addendum	2		231-144-310	1	Peripheral Data Storage Processor — Maintenance Procedures
231-130-301	8	Trunk and Line Test Panel, Supplementary Trunk Test Panel, and Auxiliary Test Frame — Method of Operation (Through 1E5 Generic Program)	231-144-311	2	Traffic Measurements for Peripheral Data Storage Processor
231-140-101	3	Teletypewriter Facility — Description	231-144-350	3	Recent Change and Data Base Generation Procedures for Enhanced Private Switched Communication Service — Peripheral Data Storage Processor
231-140-301	6	Teletypewriter Operating Procedures	231-144-360	2	Recent Change Procedure and Data Base Generation for E911 — Peripheral Data Storage Processor (PDSP)
231-144-000	1	Peripheral Data Storage Processor (PDSP) — Description	● 231-144-401	1	3B20D Data Switch — General Description — Enhanced Private Switched Communication Service
231-144-005	2	Processor Interface Frame — Description — Peripheral Data Storage Processor	● 231-144-402	1	3B20D Data Switch — Engineering Parameters — Enhanced Private Switched Communication Service
231-144-150	2	Enhanced Private Switched Communications Service — Peripheral Data Storage Processor — Data Base Description			

Number	Issue	Subject
① 231-144-403	1	3B20D Data Switch — Software Description — Enhanced Private Switched Communication Service
① 231-144-404	1	3B20D Data Switch — Traffic Measurements — Enhanced Private Switched Communication Service
① 231-144-405	1	3B20D Data Switch — Initialization and Recovery — Enhanced Private Switched Communication Service
① 231-144-406	1	3B20D Data Switch — Maintenance Procedures — Enhanced Private Switched Communication Application
① 231-144-407	1	3B20D Computer Data Switch — Data Base and Recent Change Verify Description — Enhanced Private Switched Communication Service
231-147-301	6	Auxiliary Test Programs — Common Procedures
Addendum	1	
231-148-301	4	Bus System Test Procedures
231-148-303	4	Live Office Network Fabric Program — Procedures
Addendum	1	
231-148-304	1	Scanner Test Procedures
231-148-305	2	Universal Controller Test Procedures
231-148-306	1	Junctor Test Program — Procedures
Addendum	2	
231-149-301	3	Administrative Data Link Facility — Transmit and Receive Procedures
231-150-301	4	AMA or AMATPS Data Retrieval and Insertion Procedures
231-151-301	5	Data Mapping Procedures
Addendum	1	
231-151-302	5	Translations Structure Check Program Procedures
Addendum	2	
231-151-303	3	Parameter/Translation Verification Program — Procedures
231-151-304	3	Translations Search Program — Procedures
231-151-305	4	Translation Data Check Program — Procedures

Number	Issue	Subject
Addendum	1	
231-152-301	5	Automatic Board-to-Board Testing Procedures
231-153-301	4	Program Store Copy, Compare, and Dump Procedures and Call Store Dump Procedure
<b>231-160/189 Task Oriented Practices — 2-Wire 1 ESS Switch</b>		
Addendum	1	
▲231-162-000	1	Program Store Frames — (2-Wire and 4- Wire)
▲231-162-001	2	8K Call Store Frames — (Generic 1E4 Through 1E6)
▲231-162-005	1	Central Control (2-Wire and 4-Wire)
▲231-163-000	2	Memory Card Writer/Memory Card Loader — Operational Tests
▲231-163-002	3	Trunk and Service Circuits — Translations (Through Generic 1E8A)
▲231-164-000	2	System Recovery
■ Addendum	1	
▲231-164-005	2	System Evaluation
■▲231-164-010	3	Generic Program, Parameter and Translations System Updates (TOP document)
▲231-165-001	1	Signal Processor
■ Addendum	1	
▲231-165-005	1	32K Call Store Frames — 1 ESS Switch — (Generic 1E6 and Earlier)
▲231-167-001	3	Centrex — CO/ESSX-1-Translations-Basic (Generic 1E4 — 1E7)
▲231-167-002	3	PBX — Translations (Through Generic 1E8A)
▲231-167-003	2	Automatic Call Distribution — Translations (Generic 1E4 Through 1E7)
■ Addendum	1	
▲231-167-004	3	Routing and Charging — Translations (Through Generic 1E8A)
▲231-167-005	3	CTX-CO/ESSX-1 — Translations CFG, CSR, DL, FRS, MLG, SFG — Through Generic 1E8A
▲231-167-015	1	Electronic Tandem Switching (Generic 1E6)

Number	Issue	Subject	Number	Issue	Subject
▲231-167-020	2	Translations — Miscellaneous Procedures and Trouble-Clearing Data	231-190-149	1	Service Network — Shared Enhanced Private Switched Communications
▲231-168-000	1	Master Control Center — 1 ESS Switch	■ Addendum	1	
▲231-171-001	3	Traffic and Plant Measurements (Generic 1E6 and Later)	■ 231-190-190	2	Office Overload Controls
<b>231-190/195 Feature Documents and User's Manuals — 2-Wire 1 ESS Switch</b>			■ 231-190-207	1	Traffic Measurements Feature
<b>Feature Documents</b>			■ Addendum	2	
■ 231-190-063	4	Automatic Message Accounting	■ 231-190-305	3	Network Management
■ 231-190-064	1	Centrex Station Rearrangements	■ 231-190-314	3	Operation With Engineering and Administrative Data Acquisition System
■ 231-190-068	1	Interface With Automatic Message Accounting Transmitter	■ 231-190-365	1	Automatic Broadcast Warning
■ Addendum	2		Addendum	1	
■ 231-190-127	2	Enhanced Private Switched Communications Service	■ 231-190-405	2	Interface With Switching Control Center System
■ 231-190-128	2	Meet-Me Conference Feature — Enhanced Private Switched Communications Service	<b>User's Manuals</b>		
■ 231-190-129	2	Network Trunk Queueing — Enhanced Private Switched Communications Service	231-195-100	1	Centrex Station Rearrangements
■ 231-190-130	2	Network Message Detail Recording — Enhanced Private Switched Communications Service (EPSCS)	<b>231-2 MTSO (Mobile Telephone Switching Office) — 1A ESS Switch</b>		
■ 231-190-132	1	Authorization Code Screening — Enhanced Private Switched Communications Service	<b>231-200/209 Overall AUTOPLEX® System 100 Descriptions</b>		
■ 231-190-133	2	4-Wire Direct Access Line	231-200-005	3	System Description, MTSO, Cell Site, and Subscriber Unit — Cellular Telecommunications System
■ 231-190-134	1	Off-Network Calling Using Touch-Tone and Dial Pulse Outpulsing — Enhanced Private Switched Communications Service (EPSCS)	Addendum	1	
■ 231-190-136	1	Interface With Peripheral Data Storage — Processor	231-200-010	1	System Documentation — Description and Organization
■ 231-190-139	1	Automatic Calling Station Identification — Enhanced Private Switched Communications Service	231-200-020	3	Maintenance Considerations, Cell Site, and MTSO — Cellular Telecommunications System
■ 231-190-140	1	Network Attendant — Enhanced Private Switched Communication Service (EPSCS)	231-201-008	3	Cell Site Generic and Translation Updates — Cellular Telecommunications System
■ 231-190-141	1	Deluxe Network Access	<b>231-210/219 MTSO Software Descriptions — 1A ESS Switch</b>		
■ 231-190-148	1	Alternate Route Selection — Enhanced Private Switched Communications Service	■ Addendum	1	
			■ 231-210-000	1	MTSO and Cell Site Overview
			231-210-510	1	MTSO and Cell Site Recovery — 2-Wire
			Addendum	1	
			231-210-520	1	Cell Site Maintenance

Number	Issue	Subject
231-210-530	1	Cell Site Common Control — 2-Wire
231-218-301	4	Recent Change Formats and Implementation — Description and Procedures — Cellular Telecommunications System

**231-250/259 MTSO Maintenance — 1A ESS Switch**

231-250-010	3	Cell Site Maintenance, Initialization, and Recovery — Cellular Telecommunications System
▲231-251-000	2	Speech Path Maintenance
■ 231-252-000	1	Cellular Networking Implementation, Operation, and Maintenance Procedures

**231-290 MTSO Feature Documents — 1A ESS Switch**

231-290-600	3	2-Wire
■ 231-290-601	1	Maintenance and Administration System Feature
■ Addendum	1	
■ 231-290-603	1	Overload Control Feature
■ Addendum	1	
■ 231-290-604	2	Traffic Measurements
■ 231-290-605	1	Mobile Call Trace and Mobile Calling — Line Identification
■ Addendum	2	
■ 231-290-606	1	Speed Calling
231-290-607	1	Immediate Forwarding
■ 231-290-608	1	Conditional Call Forwarding
■ 231-290-609	1	Three-Way Calling
231-290-610	1	Call Waiting
231-290-611	1	Priority Call
Addendum	2	
231-290-615	1	ROAMER I
231-290-616	2	ROAMER II
231-290-618	1	Cellular Networking — Automatic Message Accounting — AUTOPLEX System
231-290-619	1	Cellular Networking
231-290-620	3	Automatic Message Accounting
231-290-621	1	Privacy/Data Products Interface
231-290-622	2	Message Desk Service
231-290-623	2	Project Accounting Service
■ 231-290-624	2	Limited and Modified Limited Service Areas

Number	Issue	Subject
231-290-626	1	Upward Handoff
231-290-627	1	Multiple Supervisory Audio Tones
231-290-629	1	Routing Service for Emergency Calls
231-290-630	1	Dynamic Channel Allocation — AUTOPLEX System 100 — Cellular Telecommunications System
■ 231-290-631	1	Limited Access for Roamers — AUTOPLEX System 100
231-290-633	1	AMA Dump for Selected Customers — AUTOPLEX System 100
■ 231-290-634	1	Abbreviated Directory Number Access and Enhanced Abbreviated Number Access

**231-3 2-Wire —1A ESS Switch**

**231-300/309 Equipment — 1A ESS Switch**

■ Addendum	4	
■ 231-300-005	3	Line Cutover Procedures (PI-DENT SACT)
231-300-008	4	Generic Overwrite and Recovery Tape Guidelines — Description
231-300-010	2	Acceptance Test Plan — Description
231-300-012	1	File Store to Attached Processor System Conversion
■ 231-300-014	3	Program Store and Call Store Expanded Memory Description
■ Addendum	1	
■ 231-300-015	5	Plant Measurements— Description
231-300-020	1	Customer Originated Recent Changes (CORC)
■ 231-300-021	4	Customer Originated Recent Changes (CORC) — Description — (1AE7 and Later Generic Programs)
■ 231-300-025	2	Audit Output Messages — Analyses
■ Addendum	1	
231-301-000	3	Processor Peripheral Interface Frame and Control and Display Frame — Description — 2-Wire
231-301-001	1	Processor Peripheral Interface Frame and Control and Display Frame — Theory



Number	Issue	Subject	Number	Issue	Subject
231-301-005	2	Attached Processor System — General System Application	<b>Procedures, Translations, and Recent Changes</b>		
231-301-010	2	System Unit Duplication and Bus System — Description	■ 231-311-000	6	Library System — General Description
231-301-020	5	Input/Output System — Description	231-311-002	3	Peripheral Unit Bus Tests — Procedures
231-301-025	1	Circuit Switched Digital Capability — Maintenance Circuit	231-311-003	2	Line Office Fabric Test — Description
231-301-026	1	Digital Office Timing Supply — Description — Circuit Switched Digital Capability	Addendum	1	
231-301-027	1	Circuit Switched Digital Capability (CSDC) — Channel Units — Voice Frequency Loss and Levels	231-311-004	3	Universal Controller Test Program — Procedures
231-301-301	1	Digital Office Timing Supply — Maintenance	231-311-005	2	Automatic Board-to-Board Testing Description
■ Addendum	1		Addendum	1	
■ 231-301-302	3	Common Channel Signaling 7 — Trunk Maintenance (3-94)	■ 231-311-006	5	Translation Structure Check Program — Procedures
■ Addendum	1		Addendum	1	
■ 231-302-301	4	E911 Bulk Recent Change Capability — Implementation and Maintenance Procedures — (1AE8A and Later Generic Programs)	■ 231-311-007	4	Translation Data Check Program — Procedures
■ 231-302-305	5	Enhanced Input/Output Subsystem — Implementation Procedures for Customer Channels (24-95) — (1AE9 and Later Generic Programs)	Addendum	1	
<b>231-310/319 Software — 1A ESS Switch</b>			231-311-008	2	Translation Search Program — Procedures
<b>Software Descriptions</b>			■ 231-311-009	4	Translations Copy — Procedures
■ 231-310-210	1	Fault Recognition	Addendum	1	
■ 231-310-240	1	Data Mapping (Updating)	231-311-010	2	Recent Change Mapping — Description
■ 231-310-250	1	Master Control Center	Addendum	2	
■ 231-310-260	1	Local Utility Program — 2-Wire 1A ESS Switch	231-311-011	1	Juncture Test Program — Description
■ 231-310-265	1	Input/Output Application	■ Addendum	1	
■ 231-310-280	1	Library Control	■ 231-318-316	3	General Recent Change and Verification Information — Description — (1AE8A.05 and Later Generic Programs) (3-95)
■ 231-310-300	1	Interrupt Recovery Software Control Structure	■ Addendum	1	
■ 231-310-310	1	System Reinitialization	■ 231-318-317	2	Recent Change Message Program Listings, System Acknowledgments, RC18, RC16, RC29, and RC Failure Output Messages — Description — (1AE8A.05 and 1AE9 Generic Programs) (11-94)
■ 231-310-320	1	Hardware Recovery	Addendum	1	
■ 231-310-330	1	Software Initialization	231-318-319	2	GENT, PSBLK, PSWD, and SUBTRAN — (1AE8A.05 and Later Generic Programs)— Recent Change Formats
■ 231-310-340	1	Emergency Mode Control	■ 231-318-320	4	Procedures for Adding or Deleting Head Tables, Data Tables, Subtranslators, Auxiliary Blocks, and Unit Type Translators
231-310-405	1	Circuit Switched Digital Capability			

Number	Issue	Subject	Number	Issue	Subject
■ Addendum	1		■ 231-318-350	2	Carrier Identification Code Expansion (CICE) and Intra-LATA Toll Primary Inter-Exchange Carrier (IPIC) — Recent Change Procedures — 1AE12 (3-95)
■ 231-318-321	1	Translators Not Having Specific Recent Change Messages — Updating Translations — (1AE8A.05 Through 1AE9 Generic Programs)	■ 231-318-355	9	CTXCB, CTXDI, CTXEXR, CXDICH, DITABS, Centrex-CO/ESSX-1 Recent Change Formats — (Generic Programs 1AE8A.05 and Later) (3-95)
■ 231-318-325	13	ACT, CFV, DNRNGE, LINE, MLHG, MOVE, MPTY, SCLIST, SLE, TWOPTY, VEND — Line Recent Change Formats — 1AE8A.05 and later Generic Program (3-95)	■ 231-318-356	2	DLG, FLXDG, FLXRD, and FLXRS — Centrex-CO/ESSX-1 Recent Change Formats — 1AE8A.05 and Later Generic Programs (5-94)
231-318-330	1	OBS, TOBS, and Plug — Recent Change Formats — (1AE8A.05 Through 1AE9 Generic Programs)	231-318-360	2	Centrex Data Facility Pooling — Implementation Procedures — (1AE8A and Later Generic Programs)
■ Addendum	3		231-318-362	1	City Wide Centrex (CWC) — Implementation Procedures — (1AE9 Generic Program)
231-318-331	1	ANIDL, BISI, CFG, CLAM, CPD, JUNCT, LRE, MSN, NMTGC, PLM, PUC, PUCMB, RCHAN, ROTL, RSP, RSSCB, and SIM-FAC — Recent Change Formats — (1AE8A.05 Through 1AE9 Generic Programs)	■ Addendum	2	
■ 231-318-334	6	CAMA, CCIS, CFTRK, POINTC, SCGA, TG, TGBVT, TGMEM, TKCNV7, TKCONV, TMBCGA, and TRK — Trunk Translation Recent Change Formats — (1AE8A.05 and Later Generic Programs) (6-94)	■ 231-318-364	4	Message Service System — 1AE9 and Later Generic Programs — Implementation Procedures
■ Addendum	1		231-318-366	1	Centrex Electronic Key — Implementation
■ 231-318-336	10	ANNC, ARS, CCOL, CHRGX, DIGTRN, DITABS, DNHT, DNTRIG, IDDD, IWSA, NOC-NOG, NOGRAC, PACT, RAT-PAT, RI, RLST, TDXD, and TNDM — Rate and Route Recent Change Formats — (1AE8A.05 Through Generic Programs) (3-95)	■ 231-318-372	1	1A ESS Switch — Advanced Services Interface-Proxy Implementation Procedures (1AE12.04 and Later Generic Programs)
■ Addendum	2		■ Addendum	2	
■ 231-318-338	3	CTRF, DIGTRN, NUTS, TNCTX, TRFHC, TRFLCU, and TRFSLB — Traffic Measurement Recent Change Formats — (1AE9 and Later Generic Programs) (11-93)	■ 231-318-375	5	Common Channel Signaling System 7 Recent Change Implementation Procedures and Trunk Conversion (1AE10.01 and later Generic Programs) (7-92)
■ 231-318-340	12	Local Area Signaling Services (LASS) — Recent Change Implementation Procedures — (1AE9 and Later Generic Program) (3-95)	■ Addendum	1	
			■ 231-318-376	3	Common Channel Signaling System 7 — SSP (Service Switching Point) Translation Implementation Procedures — (1AE10.01 and Later Generic Programs)
			231-319-001	3	General Growth — Description
			231-319-002	1	1024 to 2048 Trunk Link Network Merge — Description

Number	Issue	Subject	Number	Issue	Subject
<b>231-360/389 Detail Maintenance — 1A ESS Switch</b>			▲Addendum	1	
■ Addendum	2		▲231-367-004	4	Routing and Charging — Translations — (Through Generic 1AE8)
■▲231-360-002	4	Master Control Center — Processor Peripheral Interface Frame	▲231-367-005	3	CTX-CO/ESSX — Translations CFG, CSR, DL, FRS, MLG, SFG — (Through Generic 1AE8A)
■▲231-361-001	4	Switching Network — System Evaluation	■ Addendum	2	
▲231-361-003	3	Peripheral Growth — (Generic 1AE6 and Later)	▲231-367-010	1	Enhanced 911 — (Generic 1AE6 and Later)
■▲Addendum	2		▲231-367-015	2	Electronic Tandem Switching (Through Generic 1AE8A)
■▲231-361-010	2	I/O, IOP, and TUC — Equipment Growth — (1AE6 and Later Generic Program)	▲231-367-020	2	Translations — Miscellaneous Procedures and Trouble-Clearing Date
■▲Addendum	2		■ Addendum	1	
■▲231-361-015	3	Call Stores and Program Stores — Equipment Growth — (Generic Programs 1AE6 and Later)	■▲231-368-001	9	System Recovery and System Operations — File Store Office (1-93)
■▲Addendum	1		▲Addendum	1	
■▲231-361-020	4	File Store to Attached Processor System (APS) Conversion (6-93)	▲231-368-002	5	Systems Performance Evaluation and Acceptance Tests — Non-APS — Generic 1AE7
■ Addendum	1		■ Addendum	1	
■▲231-361-025	3	Attached Processor System Growth	■▲231-368-011	7	System Operations and Recovery — APS Office (1AE8A and Later Generic Programs)(8-94)
■▲Addendum	1		▲231-368-012	2	System Performance Evaluation and Acceptance Tests — APS — Generic 1AE7
■▲231-361-026	6	Common Channel Signaling 7 — CNI (Common Network Interface) Ring Implementation Guide (AP3C and Later Generic Programs) (2-94)	■▲231-368-015	5	Attached Processor System — Operations, Maintenance and Recovery User's Guide (AP2 and Earlier Generic Programs)
■▲Addendum	1		Addendum	1	
▲231-363-002	4	Trunk and Service Circuits-Translations — (Through 8A Generic 1AE8A) (7-92)	■▲231-368-016	3	Automatic Message Accounting Standard Entries/Multientry Teleprocessing System — Maintenance Procedures
▲231-365-003	3	Circuit Switched Digital Capability Feature, Implementation, Acceptance and Growth	■ 231-368-019	4	Common Channel Signaling 7 — CNI (Common Network Interface) Ring Description (2-94)
■ 231-365-005	6	Intelligent Simplex Peripheral Interface — Implementation Procedures — (1AE9 and Later Generic Programs) (11-94)	■▲Addendum	3	
▲231-366-000	2	Auxiliary Program Library System (APLS) — (Generics 1AE5 and 1AE6)	■▲231-368-020	8	Attached Processor System — Operation, Maintenance, and Recovery User's Guide — (AP3C and Later Generic Programs) — Processor Recovery Messages (2 Vols) (2-94)
▲231-367-001	4	Centrex-CO/ESSX-1-Translations-Basic (Through Generic 1AE8A)			
▲231-367-002	4	PBX-Translations — (Through Generic 1AE8A)			
▲231-367-003	3	Automatic Call Distribution — Translation (Generic 1AE and 1AE6)			

Number	Issue	Subject	Number	Issue	Subject
■▲231-371-001	4	Traffic and Plant Measurements — Generic 1AE7 and Earlier	■ 231-390-220	2	HILO 4-Wire Access Tandem (11-93)
<b>231-390/395 Feature Documents and User's Manuals — 1A ESS Switch</b>			■ 231-390-225	3	No. 2 Service Evaluation System (11-93)
<b>Feature Documents</b>			■ 231-390-236	7	Selective Call Forwarding — Lo- cal Area Signaling Services (11- 94)
■ 231-390-061	3	Prefixed Access Code Translator (3-95)	■ 231-390-237	4	Distinctive Alerting — Local Area Signaling Services (3/94)
231-390-063	4	Automatic Message Accounting	■ 231-390-238	4	Selective Call Rejection — Local Area Signaling Services (3-94)
■ Appendix 1	12	Automatic Message Accounting (3-95)	■ 231-390-239	11	Automatic Recall/Automatic Call- back — Local Area Signaling Services (3-95)
231-390-064	3	Centrex Station Rearrangements	■ 231-390-241	5	Customer Originated Trace — Local Area Signaling Services (3-94)
■ 231-390-069	7	Automatic Message Accounting Standard Entries and Multientry Teleprocessing System (11-94)	■ 231-390-242	2	End-to-End Call Trace — Local Area Signaling Services
■ 231-390-082	1	1A ESS Switch — Call Waiting Deluxe Feature Document (1AE12.04 and Later Generic Programs) (3-95)	231-390-243	1	Bulk Calling Line Identification — Local Area Signaling Services
Addendum	1		■ 231-390-244	7	Individual Calling Line Identifica- tion — Calling Name Delivery and Calling Party Privacy — Lo- cal Area Signaling Services (3- 95)
231-390-086	2	Usage Sensitive Three-Way Cal- ling	231-390-289	1	Service Code Confirmation Tim- ing
231-390-087	1	Voice/Data Protection	Addendum	1	
■ 231-390-088	2	Cancel Call Waiting	231-390-301	1	Centrex Electronic Key
■ 231-390-120	2	Carrier Identification Code Ex- pansion (CICE) and Intra-LATA Toll Primary Inter-Exchange Car- rier (IPIC) — Feature Document (1AE12 and Later Generic Pro- grams) (3-95)	■ Addendum	1	
231-390-156	2	Carrier Trunk Conditioning Recognition	■ 231-390-305	5	Network Management Feature (11-93)
■ 231-390-170	9	Message Service System Feature Document (6-93)	■ 231-390-314	3	Operation With Engineering and Administrative Data Acquisition
Addendum	1		■ 231-390-372	1	1A ESS Switch — Advanced Services Interface — Proxy Feature Document (1AE12.04 and later Generic Programs) (3- 95)
231-390-175	1	City-Wide Centrex	■ 231-390-380	5	Circuit Switched Digital Capabili- ty (11-93)
■ Addendum	1		Addendum	1	
■ 231-390-176	8	Simplified Message Service In- terface Feature Document (6-93)	231-390-381	3	Home Intercom/Single Line Variety Package
Addendum	1		231-390-382	1	Immediate AMA Dump Capability
231-390-184	1	Residential Data Facility Pooling	■ Addendum	1	
231-390-185	2	Centrex Data Facility Pooling	231-390-383	3	Expanded Electronic Tandem Switching Dialing Plan
231-390-190	2	Automatic Overload Controls			
■ Addendum	1				
■ 231-390-207	8	Traffic Measurements Feature Document (3-95)			
■ 231-390-212	2	Cellular Mobile Radio Office			



Number	Issue	Subject	Number	Issue	Subject
■ 231-407-301	2	Trunk Error Analysis Procedures	231-432-301	1	Office Status Display Frame (SD-2A055) Operation and Maintenance — 4-Wire 1 ESS Switch
231-408-301	3	Ferreed Switches — Analyzing and Locating Trouble	231-434-501	2	Multifrequency Test Environment Circuit SD-2A009 — Tests and Adjustments
231-408-801	2	Ferreed Switches — Repair and Replacement Procedures	231-435-501	3	Touch-Tone Transmitter Test Circuit SD- 2A024-01 — Tests and Adjustments
231-409-301	1	Analyzing Maintenance Interrupts and Trouble Locating Procedures	Addendum	1	
231-410-301	3	Calling Line Identification	231-436-501	3	Touch-Tone Detector Test Circuit SD-2A030- 01 — Test and Adjustments
231-411-301	2	Emergency Action Procedure	231-437-501	3	Multifrequency Transmitter SD-2A008 — Tests and Adjustments
231-413-301	3	System Reinitialization	231-438-501	3	Multifrequency Receiver SD-2A012 — Tests and Adjustments
231-415-501	4	Office Alarm Tests	231-439-501	4	2600-Hertz Dial Pulse/Wink Transmitter SD-2A038-01 — Tests and Adjustments
231-416-301	3	Method of Handling Permanent Signals and Partial Dials on Lines Using the 21A Testboard	231-440-101	1	Teletypewriter Facility — Description
■ 231-417-301	1	Off-Line Operations	231-440-301	2	Teletypewriter Operating Procedures
■ 231-418-301	5	Recent Change and Service Order Procedures	■ 231-447-301	1	Auxiliary Test Programs
■ 231-419-301	1	Head Tables, Data Tables, and Subtranslators — Growth Procedures	231-500-002	1	J98732BA-3, L4 Combined Channel Unit — Data Sheet
■ 231-419-302	1	Universal Trunk Frame Growth — Recent Change Procedures			
■ 231-419-305	1	Universal Teletypewriter Circuit Growth Procedures			
231-420-301	3	Traffic Measurement and Recent Change Procedures			
231-422-301	3	Line Load Control and Emergency Manual Transfer			
■ 231-424-301	3	Method of Initiating and Interpreting Snap- Call Messages			
Addendum	1				
231-425-301	3	Master Control Center — Alarm, Display, and Control Panel — Method of Operation			
231-425-302	5	Manual Diagnostic Procedures for the Master Control Center			
Addendum	1				
231-430-301	3	Master Control Center — Dial Test Access — Method of Operation			
231-430-701	3	Master Control Center Dial Test Access — Measurement and Adjustment of Transmission Test Trunks			
■ 231-432-101	2	Office Status Display Frame (SD-2A055) — Description — 4-Wire 1 ESS Switch			

**Division 232**

**2/2B ESS™ Switches**

**232-0 Index and General**

- 001 Equipment Test Lists
- 010 General Information
- 060 Network Switching Engineering
- 070 Network Administration
- 090 Task Oriented Practices
- 099 Customer Information Releases (CIRs)

**232-1 Sections Applicable to 2, 2A, 2B, and 2C ESS™ Switches**

- 100 General System Information
- 190 Feature Documents — 2/2B ESS Switches

**232-2 Sections Applicable to Centrex**

**232-3 Sections Applicable to 2/2B ESS Switches**

Number	Issue	Subject
<b>232-0 Index and General</b>		
<b>232-000 Index</b>		
232-000-000	78	Numerical Index — Division 232 — 2/2B ESS™ Switches
<b>232-001 Equipment Test Lists</b>		
232-001-006	1	Network Switching Performance Measurement Plan — Integrity Review — Network Switched Services
Addendum	1	
232-001-010	1	Controlled Maintenance Plan
232-001-011	12	Electronic Switching Systems
232-001-012	6	2 ESS Switch
232-001-013	6	2B ESS Switch
232-001-014	5	Trunks — 2/2B ESS Switches
232-001-030	1	Portable Maintenance Equipment Cords, Tools, and Spare Material
232-002-101	4	Turnover/Cutover Test Plan — Description — 2B ESS Switch

Number	Issue	Subject
<b>2 ESS Switch Only</b>		
232-003-101	3	Teletypewriter Facilities — Description
232-003-301	2	Teletypewriter Operating Procedures
232-004-101	1	Change in Program Store Word — Description Using the Single Card Writer
Addendum	1	
232-005-101	1	3A Card Writing Unit — Description
232-007-101	1	Tape Operated Memory Update System — Description
232-007-301	1	Tape Operated Memory Update System — Operating Procedures
232-007-302	1	Tape Operated Memory Update System — General Maintenance and Troubleshooting Procedures
232-007-501	1	Tape Operated Memory Update System — Test Procedures

**Common**

Addendum	1	
232-008-101	2	Administrative Data Link — Description
232-008-301	4	Administrative Data Link — Procedures

**232-010 General Information**

232-010-101	3	Scanners — Description
232-019-101	4	General Growth Description
232-019-102	2	2B Processor Retrofit — Description — 2/2A ESS Switches

**232-060 Network Switching Engineering**

232-060-410	4	Control Equipment—Central Processor Precutover Capacity
❶ 232-060-450	4	Control Equipment—Program Store/Main Store
232-060-460	4	Control Equipment—Call Store
232-060-810	4	Traffic Order Worksheets—Capacity Tables
❶ 232-060-840	4	Traffic Order Worksheets—Program Store/Main Store
232-060-842	4	Traffic Order Worksheets—Call Store
232-060-844	4	Traffic Order Worksheets—Central Processor Precutover Capacity

Number	Issue	Subject
232-060-846	3	Network Design Worksheets— Local Automatic Message Ac- counting — Network Design
<b>232-090 Task Oriented Practices — 2/2B ESS Switches</b>		
▲ 232-090-001	1	Office Acceptance Tasks — 2B ESS Switch
▲ 232-090-004	3	Tape Handling and Maintenance Center Tasks — 2B ESS Switch
▲ 232-090-005	1	Evaluation and Processor Tasks — 2B ESS Switch
▲ 232-090-006	1	Evaluation and Processor Tasks — 2 ESS Switch
▲ 232-090-007	1	Maintenance Center Tasks — 2 ESS Switch
▲ 232-090-008	1	Ferreed Network Trouble Clear- ing
▲ 232-090-009	1	Remreed Network Trouble Clear- ing
▲ 232-090-010	1	Office Alarms
▲ 232-090-011	1	Trunk Operational Tasks
▲ 232-090-012	1	Trunk Transmission Tasks
▲ 232-090-013	1	Service Circuit Tasks
▲ 232-090-016	1	Trunk Test Panel
Addendum	1	
▲ 232-090-018	3	2B Processor Retrofit Accep- tance and Cutover Procedures
▲ Addendum	3	
▲ 232-090-022	4	Reassignment, Update, Cutover, and Call Trace Procedures — 2B ESS Switch
▲ 232-090-023	1	Reassignment, Update, and Line Identification Procedures — 2 ESS Switch
▲ 232-090-024	2	Service Frames
Addendum	1	
▲ 232-090-025	3	Traffic and Plant Measurements
▲ 232-090-030	1	Remote Switching System (RSS) Host Maintenance — 2B ESS Switch
▲ 232-090-031	1	Serial Peripheral Unit Controller/Data Link (SPUC/DL)
▲ 232-090-032	1	Remote Trunk Test Unit (RTTU)
<b>232-099 Customer Information Releases (CIRs)</b>		
232-099-001IR	3	2BE4 Generic Planning Letter, Switching Systems

Number	Issue	Subject
232-099-006NP	1	2B ESS Switch Periodic Partial Update (PPU) Issue 1.04 for 2BE4 Generic Program, Switch- ing Systems
232-099-007NP	1	2B ESS Switch Periodic Partial Update (PPU) Issue 1.05 for 2BE4 Generic Program, Switch- ing Systems
232-099-008NP	1	2B ESS Switch PPU Issue 1.06 for 2BE4 Generic Program, Switching Systems
232-099-009NP	1	2B ESS Switch 2BE4 1.07 Periodic Partial Updates, Switch- ing System
232-099-010IR	1	2B ESS Switch 2BE4 1.08 Periodic Partial Updates, Switch- ing System
232-099-011NP	1	2B ESS Switch 2BE5 Generic Program Feature and Enhance- ments
232-099-022NP	1	2B ESS Switch 2BE5 Generic Program — Feature and Enhancements (8-93)

**232-1 Sections Applicable to 2, 2A, 2B, and 2C ESS™  
Switches**

**232-100 General System Information**

232-100-100	2	General Description — 2 ESS Switch
Addendum	1	
232-101-101	2	Switching Network — Description — 2 ESS Switch
Addendum	2	
232-101-102	1	Remreed Switching Network — Description — 2/2B ESS Switches
232-102-101	1	Junctor, Trunk, and Service Cir- cuit — Description — 2 ESS Switch
232-102-102	2	Applique Circuits Description — 2/2B ESS Switches
Addendum	1	
232-102-103	2	Functional Description of T1 Car- rier — Direct Interface With 2/2B ESS Switches
232-103-101	6	Call Processing — Description — 2/2B ESS Switches
232-104-301	1	Analyzing Audit Printouts — 2/2B ESS Switches



Number	Issue	Subject	Number	Issue	Subject
232-105-101	2	General System Maintenance — 2 ESS Switch	Addendum	1	
232-105-103	3	Maintenance Handbook — 2 ESS Switch	232-124-101	1	Office Data Administration Program — Description — 2 ESS Switch
232-105-301	2	System Recovery Guideline Procedures — 2 ESS Switch	232-126-301	1	Module Maintenance Procedure — 2A or 2C ESS Switches
232-105-302	5	Messages and Test Circuits — 2/2B ESS Switches	232-127-101	3	Manual Translation Modification Procedure — General Description — 2/2B ESS Switches
232-105-303	1	Trouble Shooting Procedures for Use With Automatically Detected Errors — 2 ESS Switch	232-127-301	3	Manual Translation Modification Procedure — Allocation of Call Store — 2/2B ESS Switches
232-105-304	2	Taking Equipment Out of Service, Restoring Equipment to Service, Removing and Restoring Power — 2/2B ESS Switches	232-127-302	4	Allocation of Program Store Memory — Manual Translation Modification Procedure — 2/2B ESS Switches
Addendum	2		232-127-303	3	Manual Translation Modification Procedure (LO-1, EF-1, and EF-2) — Formatting Changes in Program Store — 2 ESS Switch
232-106-301	3	Maintenance Center Frame Control and Display Panel — Method of Operation — 2 ESS Switch	232-127-308	2	Allocation of New Expansion Tables — Manual Translation Modification Procedure — EF-2 and 2B-EF-2 — 2/2B ESS Switches
232-109-101	1	Control Complex Description — 2 ESS Switch	232-127-309	2	Allocating New Centrex Group/Changing Size (EF-2) — Manual Translation Modification Procedures — 2/2B ESS Switches
232-113-301	5	System Initialization Procedures — 2 ESS Switch	232-127-310	1	Manual Translation Modification Procedure (EF-1) — Allocating New Centrex Group/Changing Size — 2/2B ESS Switches
232-116-101	4	Permanent Signals and Partial Dials — Description of Handling — 2/2B ESS Switches	232-127-311	3	Flexible Station Hunt (FSH) Group — Manual Translation Modification Procedure — 2/2B ESS Switches
Addendum	1		232-127-312	3	Allocating Multiline Hunt Group (MLHG) Manual Translation Modification Procedure — 2/2B ESS Switches
232-118-101	4	Basic Translation Data Description — EF-2 and Earlier Generic Programs — 2/2B ESS Switches	232-127-313	4	Manual Translation Modification Procedure Multiline Hunt Group (MLHG) Allocating/Changing Size (AIOD) — 2/2B ESS Switches
232-118-105	4	Recent Change Procedures (Central Office Changes) for All Generic Programs — 2/2B ESS Switches (8-93)	Addendum	1	
232-118-301	4	Adding a Centrex-CO Customer — Procedures — 2/2B ESS Switches	232-127-314	2	Adding Trunks/Service Circuits Manual Translation Modification Procedure (LO-1 and EF-1) — 2 ESS Switch
Addendum	1				
232-120-301	7	Traffic and Plant Measurements — 2/2B ESS Switches			
232-121-301	2	Supplementary Central Pulse Distributor — Procedures for Removing and Restoring Power — 2/2B ESS Switches			
Addendum	1				
232-121-302	2	6.7 Volt Converter — Power Removal and Restoration — 2 ESS Switch			
232-122-301	5	Dynamic Service Protection — Application — 2 ESS Switch			

Number	Issue	Subject	Number	Issue	Subject
232-127-315	2	Manual Translation Modification Procedure (LO-1 and EF-1) — Allocation of New Expansion Tables — 2/2B ESS Switches	232-127-326	2	Manual Translation Modification Procedure (LO-1, EF-1 and EF-2) Changing Range Extension Capability — 2/2B ESS Switches
232-127-316	2	Allocating New Carrier Group Table — Manual Translation Modification Procedures — EF-1 and 2B-EF-1 — 2/2B ESS Switches	Addendum	1	
232-127-317	3	Changing the NOCBCD Table — Manual Translation Modification Procedure — 2/2B ESS Switches	232-127-327	3	Adding Trunks/Service Circuits — Manual Translation Modification Procedure (EF-2 and 2B-EF-2) — 2/2B ESS Switches
Addendum	1		Addendum	1	
232-127-318	2	Changing TOTANI Table — Manual Translation Modification Procedures (LO-1, EF-1, and 2B-EF-1) — 2/2B ESS Switches	232-127-330	2	Allocating Additional ACOF Tables (EF-2 and 2B-EF-2) Manual Translation Modification Procedure — 2/2B ESS Switches
Addendum	1		232-127-331	2	Allocating New Carrier Group Table (EF-2 and 2B-EF-2) — Manual Translation Modification Procedure — 2/2B ESS Switches
232-127-319	2	Allocating New Simulated Facilities Group/Changing Size — Manual Translation Modification Procedures — 2/2B ESS Switches	232-130-201	1	Telephone Set 3756A Piece-Part and Connections — Trunk Test Panel — 2/2B ESS Switches
232-127-320	2	Manual Translation Modification Procedure — Adding Noncentrex Speed Calling Translators — (LO-1, EF-1, and EF-2) — 2/2B ESS Switches	232-130-301	5	Trunk Test Panel — Method of Operation — 2/2B ESS Switches
232-127-321	2	Allocating Additional ACOF Tables (EF-1 and 2B-EF-1) Manual Translation Modification Procedure — 2/2B ESS Switches	232-131-101	3	Description of Interoffice Trunk Testing — Permanent Busy, Operational, and Diagnostic Test — 2/2B ESS Switches
232-127-322	2	Manual Translation Modification Procedure Changing Information in the Charge Index Word — 2/2B ESS Switches	232-132-101	2	Remote Office Test Line (ROTL) — Description — 2 ESS Switch
232-127-323	1	Changing Information in the Charge Index Words — Manual Translation Modification Procedure — 2BE3 Generic Program — 2B ESS Switch	232-132-102	1	Remote Trunk Test Unit — 2/2B ESS Switches
232-127-324	1	Changing the OIEXP Table — Manual Translation Modification Procedure — 2/2B ESS Switches	▲ 232-132-301	4	Remote Office Test Line (ROTL) — 2/2B ESS Switches
232-127-325	1	Allocation of New Expansion Tables — Manual Translation Modification Procedure — 2BE3 Generic Program — 2B ESS Switch	■ 232-160-100	2	General Software System Description — 2B ESS Switch
			■ 232-162-105	2	Recent Change Processing — Software Subsystem Description — 2B ESS Switch
			■ 232-162-120	2	Teletypewriter — Software Subsystem Description — 2/2B ESS Switches
			■ 232-162-125	2	System Control — Software Subsystem Description — 2B ESS Switch
			■ 232-162-130	3	Tape Operations — Software Subsystem Description — 2B ESS Switch
			■ 232-163-130	3	Initialization and Processor Fault Recovery — Software Description — 2B ESS Switch

Number	Issue	Subject	Number	Issue	Subject
<b>232-190 Feature Documents — 2/2B ESS Switches</b>					
232-190-003	3	Glossary of Terms	■ 232-190-112	6	Basic Coin Service
■ Addendum	1		■ 232-190-113	2	Dynamic Service Protection
■ 232-190-011	6	Call Routing Feature Document (8-92)	■ 232-190-114	2	Emergency Line Services
Addendum	2		■ 232-190-115	2	Unigauge Range Extension
■ 232-190-012	1	General Description — Centrex-CO — 2 ESS Switch	■ 232-190-116	3	Free Terminating Lines
■ 232-190-013	1	Dial Line Service Observing No. 7B Service Observing Set or No. 12 Service Observing Desk	■ 232-190-118	2	Inward Wide Area Telecommunications Service (INWATS)
232-190-015	5	System Features	■ 232-190-121	3	Make Busy Features
Addendum	1		■ 232-190-123	2	Message Registers
■ 232-190-020	1	Zone 16 Service Features	■ 232-190-124	3	Interface With MJ and MK Mobile Radiotelephone Systems, Subscriber Loop Carrier System, Loop Switching System, and 1A Line Concentrator System
■ 232-190-022	2	Intercept Treatments — Centrex and Noncentrex	■ 232-190-125	2	Multiline Hunt Group
232-190-023	3	Announcement Arrangements	■ 232-190-129	5	Permanent Signal and Partial Dial Treatment
■ Addendum	1		■ 232-190-131	3	Dial-Tone-First Coin Service
232-190-024	4	Trunking Arrangements	232-190-132	4	Two-Party and Multiparty Service
■ 232-190-025	2	Remreed Network	■ 232-190-133	3	Series Completion — Noncentrex
■ 232-190-027	2	Direct Interface with T Carrier	■ 232-190-134	3	Sleeve Lead Function
■ 232-190-029	2	Autovon Interface	■ Addendum	1	
■ 232-190-030	3	Carrier Group Alarm and Trunk Make- Busy Key	232-190-136	4	Speed Calling (Noncentrex) (9-92)
■ 232-190-032	1	3A CC Data Link Feature	■ 232-190-138	2	Threeway Calling — Noncentrex
■ 232-190-034	1	Loop Range Extension	232-190-139	2	Toll Restriction and Toll Diversion
■ Addendum	1		232-190-142	3	OUTWATS (Outward Wide Area Telecommunications Service)
■ 232-190-035	3	Automatic Message Accounting Collection System (AMACS) — 2B ESS Switch	■ 232-190-146	2	Ringng Features
■ 232-190-036	1	Interface With No. 10A Remote Switching System (RSS)	232-190-149	5	Traffic Service Position System Interface
232-190-037	2	EADAS (Engineering and Administrative Data Acquisition System) Interface — 2B ESS Switch	232-190-152	2	Charge-A-Call Service
■ 232-190-040	1	Serial Peripheral Unit Controller/Data Link (SPUC/DL)	■ 232-190-153	3	Remote Call Forwarding Feature — 2B ESS Switch (12-94)
232-190-101	4	Charging Arrangements	232-190-154	1	Data Base Query — 2B ESS Switch
■ 232-190-102	2	Auxiliary Line Circuits	■ 232-190-156	3	Carrier Interconnect — 2B ESS Switch
Addendum	1		■ 232-190-201	2	Coin Station Test Line
232-190-105	5	Call Forwarding (Noncentrex) (8-92)	232-190-202	2	Directory Assistance Charging
■ 232-190-106	3	Call Tracing	232-190-203	3	Universal Emergency Service Number 911
■ 232-190-107	4	Call Waiting and Cancel (Noncentrex)	■ Addendum	1	
■ 232-190-109	3	Centralized Automatic Message — Accounting and Special Toll Billing	232-190-204	5	LAMA (Local Automatic Message Accounting)

Number	Issue	Subject	Number	Issue	Subject
232-190-205	3	Remote Office Test Line — Near-End and Far-End Applications	232-190-338	3	Tandem Tie Trunk Dialing (Centrex)
■ 232-190-206	2	Open Switching Interval Protection (OSIP) and Noise Suppression	232-190-339	4	Most Economical Routing (MER)
232-190-207	3	Direct Connect Service — Non-centrex	232-190-342	3	Call Waiting (Centrex)
232-190-209	3	Automatic Message Accounting — Recording for 800 Service	232-190-343	1	Release Link Attendant Main/Satellite Operation
■ 232-190-301	5	Centrex Call Transfer Service, Add-On, and Consultation Hold	■ 232-190-344	2	Simplified Console Attendant (50A or 50B CPS) and Centrex Station Controlled 6-Port Conference Calling
■ 232-190-302	3	Attendant Camp-On and Indication of Camp-On	Addendum	1	
■ 232-190-303	3	Universal Console Attendant 6-Port Conference (Centrex)	■ 232-190-345	1	Simplified Console Attendant (50A CPS, CALL DIRECTOR® Sets and Keysets)
Addendum	1		■ 232-190-346	2	Centrex Controlled Restriction (Do Not Disturb, Controlled Restriction — Outgoing and Total)
■ 232-190-305	1	Universal Console Attendant — (51A CPS)	■ 232-190-349	1	Operational and Busy Verification of Centrex Trunks
■ 232-190-307	1	Busy Verification of Station Lines — (Centrex-CO)	■ 232-190-351	2	Customer Dialed Account Recording (CDAR)
Addendum	1		■ 232-190-352	1	Source Billing of Attendant Handled Calls
■ 232-190-308	1	Call Forwarding — Variable (Noncentrex) (8-92)	■ 232-190-353	1	Single Digit Dialing
■ 232-190-309	3	Call Forwarding — Busy Line, Call Forwarding — Don't Answer, and Station Hunting (Centrex)	232-190-354	4	Direct Outward Dialing (DOD)
■ 232-190-311	3	Call Hold — Centrex	232-190-355	3	Centrex Billing Arrangements
■ 232-190-312	2	Call Pickup (Centrex)	■ 232-190-356	2	Centrex Flexible Station Hunting (FSH)
■ 232-190-313	2	Centrex Group Trunk Facilities	■ 232-190-357	1	Main-Satellite Service (EF-1 Generic Program)
■ 232-190-314	1	Code Call, Loudspeaker Paging, and Recorded Telephone Dictation	■ 232-190-358	1	Satellite Attendant Transfer via Tie Trunk
■ 232-190-316	1	Direct Inward Dialing (Centrex-CO)	■ 232-190-359	1	Trunk Dial Transfer — EF-2 Generic Program
■ 232-190-318	2	Directed Call Pickup	■ 232-190-360	1	Call Transfer — Intercentrex — EF-2 and 2B-EF-2 Generic Programs
■ 232-190-320	2	Centrex Calling Restrictions (Denied Originating, Denied Terminating, and Fully Restricted Terminating)	■ 232-190-361	1	Centrex Terminating Feature — Treatment Interactions
■ 232-190-324	2	Centrex Manual Line Service	■ 232-190-364	1	50B Customer Premises System (CPS)
■ 232-190-326	2	Night Service for Centrex-CO (Night Service, Trunk Answer Any Station)	Addendum	1	
■ 232-190-331	6	Centrex Speed Calling (12-94)	■ 232-190-501	1	Switchboard Trunk Interface Using DC Signaling
232-190-332	1	Multiline Variety Package Service — 2B ESS Switch	■ 232-190-502	3	Automatic Identified Outward Dialing (AIOD)
232-190-333	1	Single Line Variety Package — 2B ESS Switch	■ 232-190-503	3	IDDD (International Direct Distance Dialing) (12-94)
			232-190-505	1	Home Intercom — 2B ESS Switch

Number	Issue	Subject	Number	Issue	Subject
232-190-506	1	Multiple Directory Numbers	232-309-106	1	Processor Tape Handling — Conventions and Precautions — 2B ESS Switch
232-190-507	1	2B ESS Switch — Flexible	232-309-108	1	2B Processor — Functional Description of Input/Output Control Circuit — 2B ESS Switch
<b>232-2 Sections Applicable to Centrex</b>					
232-202-101	1	Centrex Data Loop and Console Control — Description — 2 ESS Switch	232-309-111	1	2B Hardware and Supporting Documentation
232-202-301	1	Centrex Data Link and Attendant Console Maintenance Procedure Using Maintenance Teletypewriter — 2 ESS Switch	232-313-301	3	System Initialization Procedures — 2B ESS Switch
232-202-302	1	Centrex Console — Demand Exercise Program — Procedures — 2 ESS Switch	232-313-302	2	Remote Switching System Initialization — Procedures — 2B ESS Switch
232-203-101	2	Automatic Identified Outward Dialing (AIOD) — Description	232-317-301	3	Dial Tone Delay Alarm Operation — 2/2B ESS Switches
Addendum	1		232-318-101	2	Basic Translation — Description — 2BE3 Generic Program — ESS Switch
232-203-301	1	Automatic Identified Outward Dialing Maintenance Procedures Using Maintenance Teletypewriter	232-318-102	1	Basic Translation Description — 2BE4 Generic Program — 2B ESS Switch
232-208-301	1	Impedance Balancing Procedures on SD- 2H182 (CENTREX Attendant Trunk Circuit) Arranged for 4-Wire to 2-Wire Conversion	Addendum	1	
			232-324-101	1	Office Data Administration Program —Description — 2B ESS Switch
			232-327-303	3	Formatting Changes in Program Store — Manual Translation Modification Procedure — 2B ESS Switch
<b>232-3 Sections Applicable to 2/2B ESS™ Switches</b>					
232-300-100	4	General Description — 2B ESS Switch	Addendum	1	
232-303-301	4	Teletypewriter — Operating Procedures — 2B ESS Switch	232-327-314	2	Adding Trunks/Service Circuits — Manual Translation Modification Procedure (2B- EF-1) — 2B ESS Switch
232-304-101	1	Change In Program Store Word — Description — 2B ESS Switch			
232-305-101	3	General System Maintenance — Description — 2B ESS Switch			
232-305-103	2	Maintenance Handbook — 2B ESS Switch			
232-305-301	2	System Recovery — Procedures — 2B ESS Switch			
232-305-302	2	Analysis of Main Store Problems — 2B ESS Switch			
Addendum	1				
232-306-301	2	Control and Display Procedures — 2B ESS Switch			
232-309-101	3	2B Processor Description — 2B ESS Switch			

**Division 233**

**3 ESS™ Switch**

**233-0 3 ESS™ Switch — General Description**

-010 General Information

-099 Customer Information Release (CIR)

**233-1 3 ESS Switch (Peripheral Equipment)**

-100 General System Information

-140 Maintenance

-150 Software Description

-170 Growth Description

-190 Feature Documents

Number	Issue	Subject
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**233-000 3 ESS™ Switch — General Description**

233-000-000	62	Numerical Index — Division 233 — 3 ESS Switch
233-000-003	2	General Description
233-000-010	3	Interdivisional Numerical Index — Excluding Division 233

**233-001 Equipment Test Lists**

233-001-011	4	3 ESS Switch
233-001-012	1	3 ESS Switch — Trunks

**233-010 General Information**

233-010-010	2	Organization and Description of Bell System Practices
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**233-099 Customer Information Release (CIR)**

233-099-001 IR	2	Discontinued Availability for 3 ESS Switches, Switching Systems
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**233-1 3 ESS Switch (Peripheral Equipment)**

**233-100 General System Information**

233-100-010	2	Emergency Action Procedures — Description
233-100-100	1	Processor Tape-Handling Procedures

Number	Issue	Subject
233-101-115	2	Office Records — Description
233-110-000	2	Control Complex — Description
233-110-200	2	Control Complex — Interfaces and Theory of Operation
233-120-100	2	Switching Network — Description and Theory of Operation
233-121-100	1	Scanner Description and Theory of Operation
233-121-105	1	Peripheral Pulse Distributor and Peripheral Decoder — Description and Theory of Operation
233-121-110	1	Frame Input/Output Controller — Description and Theory of Operation
Addendum	1	
233-121-115	4	Trunk, Line, and Service Circuits — Description
233-121-116	1	Test Circuits — Description
233-121-120	2	Low Profile Combined Distributing Frame — Description
233-121-125	3	Spare Equipment Storage and Handling Procedures
233-122-100	2	Automatic Message Accounting Recording Center Data Link — Description of Theory and Operation
Addendum	1	
233-122-110	1	Dial Tone Delay Alarm Operation
233-130-100	2	Power Equipment — Description
Addendum	1	
233-135-100	1	Test Equipment — Description
233-135-105	4	Trunk and Line Test Panel and Associated Equipment — Description and Theory of Operation
233-135-110	2	ROTL (Remote Office Test Line) — Description and Theory of Operation
<b>233-140 Maintenance</b>		
233-140-100	2	Office Maintenance — Description
233-141-100	1	Centralized Office Maintenance — Description and Theory of Operation
▲233-142-100	3	No. 3 Electronic Switching System — Office Equipment
▲233-142-110	2	Remote Office Test Line (ROTL)

Number	Issue	Subject	Number	Issue	Subject
▲233-143-100	2	System Trouble Clearing	■ 233-152-145	1	Cutover
▲233-144-100	2	151A Power Plant	■ 233-152-150	1	Office Records
<b>233-150 Software Description</b>			■ 233-153-105	2	Programmed Maintenance Aids — Software Subsystem Description
■ 233-150-100	2	General Description — Software Subsystem — Description	Addendum	1	
■ 233-151-105	2	Call Processing — Software Subsystem Description	■ 233-153-106	1	Network Fabric Exercise Function — Software System Description
Addendum	1		■ 233-153-115	1	Trunk, Test, and Service Circuit Diagnostic Software Subsystem — Description
■ 233-151-110	1	Call Trace (SO-2 Issue 4) Software Subsystem — Description	233-153-120	1	Peripheral Unit Diagnostics — Software Subsystem Description
Addendum	1		■ 233-153-125	2	Alarm and Status Reporting Software Subsystem Description
■ 233-151-111	1	Call Trace (3E3) — Software Subsystem Description	■ 233-153-130	1	Initialization and Processor Fault Recovery — Software Subsystem Description
■ 233-151-115	2	Operator Functions — Software Subsystem Description	■ 233-153-135	1	Error Analysis and Fault Detection
■ 233-151-120	2	Call Charging — Software Subsystem Description	Addendum	1	
■ 233-151-125	2	Input Processing and Scanning	■ 233-153-140	1	Peripheral Unit Fault Recovery Software Subsystem — Description
■ 233-151-130	2	Basic Call Processing	■ 233-153-145	1	Remreed Network Fault Isolation Utilities — Software Subsystem Description
Addendum	1		Addendum	1	
■ 233-151-135	1	Custom Calling (SO-2)	■ 233-154-130	1	Recent Change — Users Guide — Issue 4 and Earlier Generics
■ 233-151-136	3	Custom Calling (Generic 3E3) — Software Subsystem Description	233-154-135	1	Recent Change Users Guide — Issue 3E3 Generic
■ 233-151-140	1	Network Path Hunt — Software Subsystem — Description	■ 233-154-145	1	Pudal Diagnostic Language Software — Description
■ 233-151-145	3	Digit Processing — Software Subsystem Description	<b>233-160 Growth Description</b>		
■ 233-151-150	1	Translations — Software Subsystem Description	Addendum	1	
■ 233-151-155	2	Peripheral Input-Output Control — Software Subsystem Description	233-160-100	2	General Growth — Description
■ 233-151-160	1	911 Emergency Service	<b>233-170 Acceptance</b>		
233-152-105	2	Recent Change Processing	233-170-100	1	Precutover — General Description
■ 233-152-120	2	Teletypewriter			
■ 233-152-125	2	System Control SO-2 Generic — Software Subsystem Description			
■ 233-152-126	1	System Control 3E3 Generic			
■ 233-152-130	2	Tape Operations — Software Subsystem Description			
■ 233-152-135	2	Traffic and Plant Measurements — Software Subsystem Description			
■ 233-152-140	2	Audit Programs — Software Subsystem Description			

Number	Issue	Subject	Number	Issue	Subject
<b>233-190 Feature Documents</b>			■ 233-190-146	1	Ringling Features
■ 233-190-010	1	System Features	Addendum	1	
■ 233-190-022	1	Intercept Arrangements	■ 233-190-149	1	Traffic Service Position — System Interface
■ 233-190-023	2	Announcement Arrangements	■ 233-190-151	1	Local Coin Overtime Charging — 3E3 Generic Program
Addendum	1		■ 233-190-154	1	Direct Inward Dialing (DID)
■ 233-190-024	1	Trunking Arrangements	■ 233-190-203	2	Universal Emergency Service Number 911
■ 233-190-027	1	Direct Interface with T Carrier	■ 233-190-204	1	Automatic Message Accounting Recording System (AMARS) — Feature
■ 233-190-028	1	No-Test Access	■ 233-190-205	1	Remote Office Test Line — Near-End and Far-End Applications
Addendum	1		■ 233-190-503	1	International Direct Distance Dialing (IDDD)
■ 233-190-030	1	Carrier Group Alarms			
■ 233-190-031	1	Local Test Desk Arrangements			
■ 233-190-033	1	Autoconnect Arrangements			
■ 233-190-101	2	Charging Arrangements			
Addendum	1				
■ 233-190-102	1	Noise Immunity Line Circuit			
■ 233-190-105	2	Call Forwarding			
■ 233-190-106	1	Call Tracing			
■ 233-190-107	2	Call Waiting			
■ 233-190-109	2	Centralized Automatic Message — Accounting Interface and Special Toll Billing			
■ 233-190-112	3	Feature Document — Coin First Coin Service			
■ 233-190-113	1	Overload Controls — Dynamic Service Protection			
■ 233-190-114	1	Emergency Line Services			
■ 233-190-115	1	Extended Range			
Addendum	1				
■ 233-190-123	1	Feature Document — Message Registers			
■ 233-190-125	2	Multiline Hunt Group			
■ 233-190-126	2	Feature Document — Multiparty Service			
■ 233-190-129	2	Feature Document — Permanent Signal and Partial Dial Treatment			
■ 233-190-131	2	Feature Document — Dial-Tone-First Coin			
■ 233-190-133	2	Series Completion			
233-190-136	2	Speed Calling			
Addendum	1				
■ 233-190-138	1	Threeway Calling			
233-190-139	1	Toll Restriction and Toll Diversion			
■ 233-190-142	1	Outward Wide Area Telecommunications Service (OUTWATS)			



**Division 234****4ESS™ Switch**

<b>234-0 Indexes, Equipment Test List, and General System Information</b>	
-000	Indexes and Equipment Test List
-010	General
-020	System Operational Procedures
-040	Measurements
-090	Feature Documents
-092	StarterLine® Installation
-097	All CIRs (Customer Information Releases) Except AT&T-C
-098	AT&T-C only CIRs
-099	General Distribution CIRs
<b>234-1 System Description, Operation, Maintenance, Retrofit, and Growth</b>	
-100	General System Information
-101	Network Administration
-103	Network Maintenance
-108	CMS (Circuit Maintenance System)
-121	RMS- (Remote Measurement System)
-150	Terminal Equipment Maintenance
-151	Peripheral Equipment Maintenance
-152	Machine Administration Center (MAC)
-153	Growth
-154	Circuit Maintenance System Center
-155	System Evaluation and Acceptance Tests
-160	Generic Retrofit/Update
-180	Software Description
-181	Growth
-182	System Evaluation and Acceptance Requirements
-183	Precutover Trunk Testing
-185	Generic Retrofit and ODA Update — Planning and Scheduling Guide
<b>234-3 1B Processor</b>	
-351	Maintenance
-355	Testing
-380	Software Description
-382	System Evaluation and Acceptance Requirements

Number	Issue	Subject
<b>234-0 Indexes, Equipment Test List, and General System Information</b>		
<b>234-000/001 Indexes and Equipment Test List</b>		
234-000-000	53	Numerical Index — Division 234 — 4ESS™ Switch (5-95)
234-000-005	33	Interdivisional Numerical Index (10-93)
234-000-010	7	Generic Retrofit Index (11-94)
234-000-015	2	Recommended Documentation for New 4ESS Switch Offices (Composite List)
234-001-011	7	Equipment Test List
■ 234-001-011AC	2	Equipment Test Switch
<b>234-010 General</b>		
234-010-100	--	4 ESS Switch Translations Guide TG4 (7 Vols.)
■ 234-010-100AC	--	Proprietary Translations Guide 4 ESS Switch PTG4 (7 Vols.)
234-010-107	9	Maintenance Reference Handbook — 4E17 Generic (9-92)
234-010-120	2	Digital Synchronization — Reference Guide (5-92)
234-010-130	11	4ESS Switch — Input Reference Manual
234-010-131	8.2	4ESS/APS Input Reference Manual (11-94)
234-010-132	1.1	1B Input Reference Manual (11-94)
234-010-200	1	4ESS Switch Circuit Pack Compatibility Guide (1-95)
■ 234-010-205	1	Program Address Interpretation Guide — Description
234-010-210	6	Audit System Application Description (11-94)
234-010-215	3	Trouble Locating Procedure (LTP) Process — Description (6/94)
■ 234-010-315	9	4E18 Generic Domestic Call-Irregularity — Maintenance Reference Handbook (2 Volumes) (10-94)
■ 234-010-316	10	4E17 International Switching Center — Call-Irregularity Maintenance — Reference Handbook (11-94)

Number	Issue	Subject	Number	Issue	Subject
<b>234-015 Electronic Media</b>			■ 234-090-006AC	1	Positive Call Processing/Subaccount Billing
Ⓢ234-015-100	--	Subscription for Networked Services Access To 4ESS Switch Documentation	■ 234-090-007	1	Architecture and Capacity Enhancements
<b>234-020 System Operational Procedures</b>			■ 234-090-008AC	1	Network Routing Feature (NRF)
234-020-001	1	Operational Review — Network Administration	■ 234-090-009	1	Integrated Services Digital Network (ISDN) Phase 4
■ 234-020-006AC	2	International Network Switching Performance Measurement Plan — Description — Network Switched Services	234-090-010	1	Billing Improvements
234-020-007	4	Domestic Network Switching Performance Measurement Plant (NSPMP) — Reference Guide (9-92)	■ 234-090-011	1	Local Exchange Carrier (LEC) Feature Document
Addendum	1		234-090-012	1	Common Channel Signaling Number 7 (CCS7) Enhancements
234-020-010	2	Controlled Maintenance Plan	■ 234-090-115	2	LEC Switch Privates Services and Implementation Manual
234-020-030	2	Recent Change System — Roll-back, Rollforward, and Reinitialization Network Operations — Common Methods	234-090-153	1	Product Release Document — 4E15 Release 3 Generic
<b>234-040 Measurements</b>			■ 234-090-153AC	1	Product Release Document — 4E15 Release 3 Generic
■ 234-040-030AC	1	International Machine Service Report-2 — Description — Network Switched Services	234-090-154	1	Product Release Document — 4E15 Release 4 Generic
■ 234-040-031AC	1	International Machine Report-2 Description — Network Switched Services	■ 234-090-154AC	1	Product Release Document — 4E15 Release 4 Generic
<b>234-090 Feature Documents</b>			234-090-161	1	Product Release Document — 4E16 Release 1 Generic
<b>Feature Documents</b>			■ 234-090-161AC	1	Product Release Document — 4E16 Release 1 Generic
■ 234-090-001	1	Network Interconnect Phase 1 — Common Channeling Signaling Number 7	234-090-163	1	Product Release Document — 4E16 Release 3 Generic (6-92)
■ 234-090-002	1	Service Switching Point — 800	■ 234-090-163AC	1	Product Release Document — 4E16 Release 3 Generic (6-92)
■ 234-090-003AC	1	Direct Service Dialing Enhancements	234-090-164	1	Product Release Document — 4E16 Release 4 Generic (8-92)
■ 234-090-004AC	1	International Services and Capabilities	■ 234-090-164AC	1	Product Release Document — 4E16 Release 4 Generic (8-92)
234-090-005	1	Network Interconnect Phase 2 — Common Channel Signaling Number 7 — Integrated Services Digital Network — User Part	234-090-171	1	Product Release Document — 4E17 Release 1 Generic (9-92)
■ 234-090-005AC	1	Network Interconnect Phase 2 — Common Channel Signaling Number 7 — Integrated Services Digital Network — User Part	■ 234-090-171AC	1	Product Release Document — 4E17 Release 1 Generic (9-92)
			234-090-172	1	Product Release Document — 4E17 Release 2 Generic (4-93)
			■ 234-090-172AC	1	Product Release Document — 4E17 Release 2 Generic (4-93)
			234-090-173	1	Product Release Document 4E17 Release 3 Generic (7-93)
			■ Revision 2	9-93	
			■ Revision 1	7-93	
			■ 234-090-173AC	1	Product Release Document 4E17 Release 3 Generic (6-93)

Number	Issue	Subject	Number	Issue	Subject
234-090-174	1	Product Release Document 4E17 Release 4 Generic (10-93)	<b>234-097 CIRs (Customer Information Releases) RBOC/ITOC Independent Telephone Operating Company</b>		
■ 234-090-174AC	1	Product Release Document 4E17 Release 4 Generic (10-93)	■ 234-097-004 TD	1	4E11 Generic Features — Switching Systems
234-090-181	1	Product Release Document 4E18/4E19 Release 1 Generic (12-93)	■ 234-097-005 TD	1	Bell Operating Companies and Independent Telephone Com- panies Common Network Inter- face (CNI) Ring Engineering In- formation for 4ESS™ 4E11 Gen- eric Applications
■ 234-090-181AC	1	Product Release Document 4E18/4E19 Release 1 Generic (12-93)	■ 234-097-006 NP	1	4E12 Generic Feature Descrip- tions, — Switching Systems
234-090-182	1	Product Release Document 4E18/4E19 Release 2 Generic (4-94)	■ 234-097-007 TD	1	4E12 Generic Features, Switch- ing Systems
■ 234-090-182AC	1	Product Release Document 4E18/4E19 Release 2 Generic (4-94)	■ 234-097-008 NP	1	4E13 Generic Features for BOC/IOC (Bell Operating Company/Independent Operat- ing Company), Switching Sys- tems
234-090-183	1	Product Release Document 4E18/4E19 Release 3 Generic (7-94)	■ 234-097-009 TD	1	Generic Features for BOC/IOC (Bell Operating Company/Independent Operat- ing Company), Switching Sys- tems
■ 234-090-183AC	1	Product Release Document 4E18/4E19 Release 3 Generic (7-94)	■ 234-097-010 NP	1	4E14 Generic Features for Local Exchange Companies (LECs)
234-090-184	1	Product Release Document 4E18/4E19 Release 4 Generic (10-94)	■ 234-097-011NP	1	4ESS Switch 4E15 Generic Features for BOC/IOC (Bell Operating Company/Independent Operat- ing Company)
■ 234-090-184AC	1	Product Release Document 4E18/4E19 Release 4 Generic (10-94)	■ 234-097-012TD	1	4ESS Switch 4E14 Generic Features for Local Exchange Companies
234-090-201	1	Product Release Document 4E20 Release 1 Generic (12-94)	■ 234-097-013 NP	2	4E16 Generic Feature for Local Exchange Companies (LECs)
■ 234-090-201AC	1	Product Release Document 4E20 Release 1 Generic (12-94)	■ 234-097-014TD	1	4ESS Switch 4E15 Generic Features for Local Exchange Companies (LECs)
234-090-202	1	Product Release Document 4E20 Release 2 Generic (4-95)	■ 234-097-015NP	1	4ESS Switch 4E17 Generic Features for Local Exchange Companies (LECs), Switching Systems
■ 234-090-202AC	1	Product Release Document 4E20 Release 2 Generic (4-95)	■ 234-097-016NP	1	4ESS Switch 1B Processor Description
234-090-500	5	LEC Feature Handbook	■ 234-097-017NP	1	4ESS Switch 4E18 Generic Features for Local Exchange Companies (LECs) (7-93)
<b>234-092 StarterLine® Service</b>			234-097-018NP	1	4ESS Switch 4E20 Generic Features for Local Exchange Companies (LECs) (6-94)
234-092-100	1	AT&T StarterLine Service Instal- lation Manual			
234-092-105	1	AT&T RCS Programmability for 800 StarterLine Service			
234-092-106	1	RCS Programmability Application UNIX* System Commands			

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\* UNIX is a registered trademark of Novell, Inc.

Number	Issue	Subject
<b>234-098 AT&amp;T-C only CIRs</b>		
■ 234-098-001NP	1	4E10 Generic Feature Descriptions — Network Planning
■ 234-098-002TD	1	4E10 Generic Features — Technical Description
■ 234-098-003 NP	1	4E10 Generic Feature Descriptions — Network Planning

<b>234-099 General Distribution CIRs</b>		
■ 234-099-013MG	1	Installation Trouble Shooting Procedures for Time Slot Interface-B Diagnostic Failures — Phases 20 and 23
■ 234-099-014TD	1	4ESS Switch: Engineering Information for the Direct Link Node Enhanced (DLNE), Switching Systems
■ 234-099-018IR	1	SPARES Exchange Service for Network and Signaling Products (9-93)
■ 234-099-020NP	1	4ESS Switch Warranty Support Plan Policy (6-93)

**234-1 System Description, Operation, Maintenance, Retrofit, and Growth**

<b>234-100 General System Information</b>		
234-100-000	15	General Description (11-94)
234-100-015	4	Office Communication Facilities — Description
234-100-021	7	Input/Output System — Description
234-100-040	5	Office Alarm System — Description and Theory — General System Information (6-94)
234-100-060	4	Power Distribution System — Description
234-100-100	3	Mass Announcement System — Description and Theory
234-100-120	6	Common Channel Signaling System — Common Network Interface (CNI) — System Description Manual (11-94)
■ 234-100-120AC	6	Common Channel Signaling System — Common Network Interface (CNI) — System Description Manual (11-94)

Number	Issue	Subject
234-100-130	2	Service Circuit System (SCS) Description (10-94)
■ 234-100-130AC	1	Service Circuit System (SCS) Description (12-94)
234-100-200	4	AT&T 3B20D Model 1 Computer — Attached Processor System — General System Information — Application
234-100-201	3	3B20D Model 2 and Model 3 Computer — Attached Processor System — Application
234-100-205	5	Network Services Complex (NSCX) — Application (5-93)
234-100-210	2	Service Circuit System (SCS) Application (10-94)
■ 234-100-210AC	1	Service Circuit System (SCS) Application (12-94)

**234-101/102 Network Administration**

**NMC (Network Management Center)**

■ 234-101-015	7	4ESS Switch Network Management Center Operating Guidelines Network Administration (4-95)
234-101-020	1	Network Management Display System User Reference Manual (4E15)

**MAC (Machine Administration Center)**

234-102-000	1	System Interface Devices
234-102-010	10	CMS (Circuit Maintenance System) 1C Displays — Description
■ 234-102-010 AC	2	Circuit Maintenance System — Displays
234-102-015	2	Operating Guidelines
234-102-016	2	Assignment Practices
234-102-019	2	Magnetic Tape Administration
234-102-020	1	Transition Management
234-102-025	2	Recent Change System — Recent Changes

**234-103/106 Network Maintenance**

**TOC (Trunk Operations Center)**

234-103-000	6	System Interface Devices
234-103-010	11	CMS (Circuit Maintenance System) 1C Displays — Description

Number	Issue	Subject	Number	Issue	Subject
■ Addendum AC	1		234-108-041	7	CMSMC — Operating Philosophies — 1C
■ 234-103-010AC	2	TOC (Trunk Operations Center) — Displays CMS and Reports (Vols. 1 and 2)	234-108-042	2	CMS — System Interface Devices — Description — 1C
234-103-015	2	Operation Guidelines	234-108-043	1	Office Forms and Labels — Description
234-103-016	6	Trunk Error Analysis, Trunk Operations Center (11-93)	234-108-044	5	MIC (Multiple Input Command) Program — 1C
234-103-017	1	Digital Facility Trunk Trouble Reporting Description	234-108-045	1	Transaction Activity Measurement Program — 1B/C
234-103-018	5	Call Irregularity Raw Data Trap	234-108-047	6	Interfacing 4ESS Switch Data Base With CMS 1C — Procedures
234-103-019	1	Ineffective Attempts — Definition Network Maintenance	■ Addendum AC	1	
■ 234-103-020AC	1	User Guide	■ 234-108-100AC	2	Description, Administration, and Operation Philosophy
234-103-100	1	System Interface Devices — Centralized Arrangement	■ Addendum AC	1	
			■ 234-108-102AC	2	Programming Package — MIC and GRG
<b>TEC (Terminal Equipment Center)</b>			234-108-105	2	1C Displays — Description — Frame Provisioning — Toll Terminal Equipment
234-104-000	3	System Interface Devices	234-108-110	2	1C Displays — Description — Facility Order Processing — Toll Terminal Equipment
Addendum	1		234-108-111	1	1C — Facility Order Interface Specifications — Toll Terminal Equipment
234-104-010	9	CMS 1C — Description			
<b>MOC (Maintenance Operations Center)</b>			<b>234-110/120 Peripheral Equipment</b>		
234-105-000	2	System Interface Devices	234-110-000	4	Processor Peripheral Interface Frame and Master Control Console — Description
234-105-100	1	Centralized Arrangement — System Interface Devices Description — Network Maintenance	234-110-001	4	Processor Peripheral Interface Frame and Master Control Console — Theory
234-105-105	2	Centralized Arrangement — Remote Work Station Operation — Network Maintenance	234-110-002	2	683ABMS1-58 and 2683ABMS1-58 Telephone Sets — Description and Service
<b>Switching Management Control Center</b>			234-110-010	4	Peripheral Unit Bus System — Description (3-93)
234-106-000	1	System Interface Devices	234-110-011	2	Peripheral Unit Bus System — Theory
234-106-015	1	Operating Guidelines	234-110-020	5	Network Clock Frame — Description
<b>234-108 CMS (Circuit Maintenance System)</b>			234-110-030	1	Time Slot Interchange Frame — J4A001A-1 and J4A001A-2 — Description
234-108-002	6	1C — Circuit Order Interfaces Specification	234-110-031	1	Time Slot Interchange Frame — J4A001A-1 and J4A001A-2 — Theory
■ Addendum AC	1				
■ 234-108-002AC	2	1C — Circuit Order Interface Specification Manual			
234-108-010	10	1C Displays — Description — CMSMC			
234-108-030	2	CMS 1B — General Description			
234-108-031	2	1B — CMSMC — Operating Philosophies			
234-108-040	4	CMSMC — General Description — 1C			

Number	Issue	Subject	Number	Issue	Subject
234-110-032	2	Time Slot Interchange Frame — J4A001B-1 — Description	234-110-086	1	4ESS Call Detail Recording Platform Software Release Description
234-110-033	2	Time Slot Interchange Frame J4A001B-1 — Theory	234-110-094	3	Operational and Transmission Test Lines — Description
Addendum	1		234-110-100	3	Multifrequency Signaling Frame J99353A-1 — Description
234-110-040	1	Time Multiplexed Switching Frame — J4A002A-1 and J4A002A-2 Description	234-110-101	3	Multifrequency Signaling Frame J99353A-1 — Theory
Addendum	1		234-110-102	2	Multifrequency Signaling Test Unit — Description
234-110-041	1	Time Multiplexed Switching Frame — J4A002A-1 and J4A002A-2 Theory	234-110-103	2	Multifrequency Signaling Test Unit — Theory
234-110-042	1	Time Multiplexed Switching Frame J4A002B-1 — Description	234-110-104	2	Common Channel Interoffice Signaling Continuity Check Transceiver Unit — J4A010AC-1 — Description and Theory
234-110-043	1	Time Multiplexed Switching Frame J4A002B-1 — Theory	234-110-105	2	Common Channel Interoffice Signaling Continuity Check Transceiver and Loop-Around Test Unit — J4A010AE-1 — Description and Theory
234-110-050	1	Signal Processor 1 — Description	234-110-110	2	Network Management Display Control Frame, Telemetry Frame, and Panels — Description
234-110-051	2	Signal Processor 1 — Theory	234-110-130	3	Miscellaneous Frames A, B, and C — Description and Theory
Addendum	1		234-110-140	3	Miscellaneous Trunk Test and Support Equipment — Description
234-110-052	1	Signal Processor 1 — With Combined Distributor and Scanner Matrix Frame — Description	234-110-150	2	Input/Output Frame — Description and Theory
234-110-053	3	Signal Processor 1 — With Combined Distributor and Scanner Matrix Frame — J4A003G-1, J4A003F-1 — Theory	234-110-152	1	Input/Output Processor Frame J5A006C-1 — Description and Theory
Addendum	1		Addendum	1	
234-110-060	1	Signal Processor 2 — J4A008A-1 — Description	234-110-154	1	Input/Output Processor Frame — J5A006D-1 — Description and Theory
234-110-061	3	Signal Processor 2 — J4A008A-1 — Theory	234-110-160	1	Phased Announcement System — Description
234-110-070	3	Common Channel Interoffice Signaling (CCIS) Terminal Group — J4A009A-1, J4A009B-1 — Description	■ 234-110-160AC	1	Phased Announcement System — Theory
234-110-071	3	Common Channel Interoffice Signaling (CCIS) Terminal Group — J4A009A-1, J4A009B-1 — Theory	234-110-161	1	Phased Announcement System — Theory
234-110-080	4	Remote Office Test Line Frame — Description	234-110-200	1	Peripheral Unit Control Frame J4A015A-1 — Description
234-110-081	3	Remote Office Test Line Frame — Theory	234-110-201	1	Peripheral Unit Control Frame J4A015A-1 — Theory
■ 234-110-082AC	1	Individual Per Call Control (IPCC) — Gateway System Description (11-94)	234-110-210	3	Mass Announcement System Frame J4A015B-1 — Description and Theory
■ 234-110-083AC	1	Individual Per Call Control (IPCC) — Connectivity and Maintenance Guidelines (4-95)			

Number	Issue	Subject	Number	Issue	Subject
234-110-211	2	Mass Announcement System Frame J4A015B-1 — Theory	234-121-107	1	SMARTS User's Reference Manual
234-111-000	1	Voiceband Interface Frame — Description	234-121-111	3	RMS-G1 — User Manual
234-111-010	2	Echo Suppressor Terminal — (J69215) — Description	234-121-112	1	Remote Measurement System — Gateway 1 (RMS-G1) — Operation, Administration and Maintenance (OA&M) Manual (11-93)
234-111-011	1	Echo Suppressor Terminal — Theory	234-121-120	2	RMS-G2 — User's Manual (10-93)
234-111-020	2	Metallic Terminal Frame, Test Extender, and Auxiliary Metallic Trunk Circuits — Description	234-121-122	1	RMS-G2 — Administration Manual (08-93)
Addendum	1		234-121-130AI	1	Sentry ATTS User Manual for RMS-G1 (International) (1-94)
234-111-030	1	International Operator Bridged — Access Interoffice Trunk (OBAT) — Description	<b>234-150 Terminal Equipment Maintenance</b>		
234-111-031	1	International Operator Bridged — Access Interoffice Trunk (OBAT) — Theory	▲234-150-001	6	Domestic Trunk Operations Center
234-112-000	2	Digroup Terminal — J68952B-1 and J68952A-1 — Description	▲234-150-002	6	Domestic 51A Test Position
234-112-010	5	Digital Interface (J-68960) — Description	▲234-150-003	1	Domestic Trunk Operations Center — RMS-D2
234-112-015	3	DIF-E1 (Digital Interface) Frame — (J5X059B-2) — Description	▲234-150-005	4	Service Circuit and Trunk Test Facilities — Remote Office Test Line Frame
234-113-000	1	A6 Channel Bank Unitized Terminal Equipment — Application	▲234-150-006	4	Metallic Terminal Frame
234-113-010	4	Analog Multiplex Terminal Equipment — LT-1 Connector — Description	▲234-150-010	2	Unitized Terminal Equipment — A6 Channel Bank
234-113-012	1	LT-2 Digital Transmultiplexer — Description	▲234-150-025	1	A5 Channel — Unitized Terminal Equipment
234-113-020	4	D4 Channel Bank — Application	▲234-150-030	4	LT-1 Connector
234-120-000	8	51A Test Position J1P000A and Control Area Common Equipment Frame J1P000B — Description	▲234-150-040	2	A6B and DFSG Channel Banks — Unitized Terminal Equipment — J68957A and B Frames
234-120-001	7	51A Test Position Operation — Description	▲234-150-041	2	A6B and DFSG Channel Banks — Unitized Terminal Equipment — J98629K and N Frames
234-120-010	1	53A Test Position and Position Console Interface Cabinet J1P047A — Description	▲234-150-042	2	A6B and DFSG Channel Banks — Unitized Terminal Equipment — J98629T and U Frames
234-120-011	1	53A Test Position — Operation	▲234-150-043	2	A6B and DFSG Channel Banks — Unitized Terminal Equipment — J98629W and Y Frames
<b>234-121 RMS (Remote Measurement System)</b>			▲234-150-044	1	D4 Blank UTE (J68965A and B Frames)
■ 234-121-105	4	RMS-D2 — User Manual (AT&T-NSD Version) (5-92)	▲Addendum	1	
234-121-106	2	RMS-D2 — User Manual (Local Exchange Carriers Version) (5-93)	▲234-150-101	6	International Trunk Operations Center
			▲234-150-102	6	International 51A Test Position
			▲234-150-110	3	Operator Bridged Access Trunk Frame

Number	Issue	Subject	Number	Issue	Subject
<b>234-151 Peripheral Equipment Maintenance</b>			<b>234-152 Machine Administration Center (MAC)</b>		
▲Addendum	1		▲234-151-060	2	Phased Announcement System — Operating and Trouble Clearing Procedures (12-93)
▲234-151-002	7	Maintenance Operations Center	▲234-151-070	2	Mass Announcement System Frame
▲Addendum	1		234-151-077	2	Service Circuit System Maintenance (10-94)
▲234-151-003	9	TTY Message Analysis (Audits, Interjects, and Interrupts) (12-92)	■ 234-151-077AC	1	Service Circuit System Maintenance (12-94)
▲234-151-006	5	Master Control Console and Processor Peripheral Interface Frame	■▲234-151-082AC	1	Individual Per Call Control (iPCC) — Maintenance
Addendum	1		▲234-151-102	2	Switching Management Control Center
▲234-151-011	5	Time Multiplexed Switching Frame — Switching Network	▲234-151-106	1	Switching Management Control Center Interfaces
▲Addendum	1		■▲234-151-107AC	1	Method of Procedure (MOP) Evaluating Network Clock Sync
▲234-151-012	5	Switching Network — Time Slot Interchange Frame	▲Addendum	1	
▲234-151-013	7	Network Clock Frame (Network Clock and System Clock) — 4E9 Generic — Switching Network	▲234-151-120	5	Common Network Interface (11-93)
■▲Addendum	1		234-151-160	2	4ESS Switch Operation/Trouble Procedures (12-93)
▲234-151-015	4	Peripheral Unit Bus System			
▲234-151-017	2	Peripheral Unit Controller — Switching Network			
▲234-151-020	4	Network Management Display Panels and Frames			
▲234-151-022	3	Office Procedures After Loss of AC Power (1-95)			
▲234-151-025	5	Voiceband Interface — Terminal Interface Equipment			
▲234-151-031	6	Signal Processor 1 — Terminal Interface Equipment (5-95)			
▲234-151-032	3	Signal Processor 2 — Terminal Interface Equipment (5-95)			
▲234-151-033	4	Terminal Interface Equipment — Common Channel Interoffice Signaling Terminal Group			
▲234-151-041	4	Service Circuits and Trunk Test Facilities — Multifrequency Signaling Frame			
▲234-151-043	4	Miscellaneous Frames A, B, and C — Service Circuits and Trunk Test Facilities (5-93)			
▲234-151-045	5	Digroup Terminal — Terminal Interface Equipment			
▲234-151-048	4	Terminal Interface Equipment — D4 Channel Bank			
▲234-151-050	5	Echo Suppressor Terminal			
▲234-151-055	6	Digital Interface (DIF and DIF-EF) — Terminal Interface Equipment (9-93)			
			▲234-152-132	1	Routing Changes — 4E13 Generic
			▲234-152-134	1	Traffic and Plant Measurements — 4E13
			▲234-152-135	1	Mass Announcement Service Recent Changes 4E13 Generic
			▲234-152-137	1	CCIS Circuit Order — Recent Changes — 4E12 and 4E13 Generic Programs
			▲234-152-138	1	Recent Change Update Library Process — 4E13 Generic
			▲234-152-139	1	Non-CCIS Circuit Order — Recent Changes — 4E12 and 4E13 Generic Programs Machine Administration Center
			▲234-152-142	1	Routing Changes — 4E14 Generic
			▲234-152-144	1	Traffic and Plant Measurements — 4E14
			▲234-152-145	1	Mass Announcement Service (MAS) — Recent Changes 4E14 Generic
			▲234-152-148	1	Recent Change Update Library Process — 4E14 Generic



Number	Issue	Subject	Number	Issue	Subject
▲234-152-149	1	Non-CCIS Circuit Order — Recent Changes — 4E14 Generic Program	▲234-152-204	1	Traffic and Plant Measurements 4E20 Generic (11-94)
▲234-152-152	1	Routing Changes — 4E15 Generic	■▲234-152-207	1	CCS Circuit Order — Recent Change — 4E20 Generic Program Machine Administration Center (1-95)
■▲234-152-152AC	1	Routing Changes — 4E15 Generic	234-152-208	1	4ESS Switch - Recent Change Update Library Process - 4E20 Generic - Machine Administration Center (9-94)
▲234-152-154	1	Traffic and Plant Measurements 4E15 Generic — Machine Administration Center	▲234-152-209	1	Non-CCS Circuit Order — Recent Change — 4E20 Generic Program Machine Administration Center (1-95)
■▲234-152-157	1	CCS Circuit Order — Recent Changes — 4E15 Generic			
▲234-152-159	1	Non-CCS Circuit Order — Recent Changes — 4E15 Generic Program — Machine Administration Center	<b>234-153 Growth</b>		
▲234-152-162	1	Routing Recent Changes — Machine Administration Center	Addendum	2	
▲234-152-164	1	Traffic and Plant Measurements — 4E16 Generic — Machine Administration Center	▲234-153-010	4	I/O, IOP, TUC, CS, and PS — Growth/Degrowth (4-92)
▲234-152-167	1	CCS Circuit Order Recent Changes — 4E16 Generic Program — Machine Administration Center (MAC)	■▲234-153-011AC	1	4ESS Switch Alternate Signaling Transport Network (4-94)
▲234-152-169	1	Non-CCS Circuit Order - Recent Changes — 4E16 Generic Program — Machine Administration Center	▲234-153-020	6	Signal Processor 1 and Signal Processor 2 — Growth/Degrowth
▲234-152-172	1	Routing Changes 4E17 Generic — Machine Administration Center (9-92)	▲Addendum	1	
▲234-152-174	1	Traffic and Plant Measure - 4E17 Generic (1-93)	▲234-153-025	7	Attached Processor System — Growth (1-94)
▲234-152-178	1	Recent Change Update Library Process -4E17 Generic — Machine Administration Center (10-92)	▲Addendum	1	
■▲234-152-182	1	Routing Changes 4E18 (9-93)	▲234-153-030	10	Growth/Degrowth — DIF, VIF, DT, EST, and CCIS TGR
■▲234-152-184	1	Traffic & Plant Measurements 4E18/4E19 (6-94)	▲Addendum	1	
■▲234-152-187	1	CCS Circuit Order-Recent Change 4E18/4E19 Generic Programs — Machine Administration Center (3/94)	▲234-153-040	8	MAS, PUC, TMS, and TSI — Growth/Degrowth (12-92)
■▲234-152-188	1	RC Update Procedures	▲234-153-045	5	Peripheral Unit Bus System Growth/Degrowth (6/94)
▲234-152-189	1	NON-CCS Circuit Order-Recent Change 4E18/4E19 Generic Programs — Machine Administration Center (3/94)	▲Addendum	1	
			▲234-153-050	6	NM, MF, ROTL, Alarms, ABC, Power Plants, CCT, 51A TPOS and RMS-D2 — Growth/Degrowth
			▲234-153-051	1	Equipment Growth — Remote Access Interface Circuit
			▲234-153-055	4	Common Network Interface Growth
			■▲234-153-055AC	5	Common Network Interface Growth/Degrowth (12-94)
			■▲234-153-060AC	1	Service Circuit System (SCS) Growth/Degrowth 4ESS Switch (4-95)

Number	Issue	Subject	Number	Issue	Subject
<b>234-154 Circuit Maintenance System Center</b>			234-180-002	3	System Software Overview
▲234-154-002	1	Circuit Maintenance System 1B — Generic 4	234-180-010	1	Macros
▲234-154-003	9	Circuit Maintenance System 1C — Generic 10	234-180-020	4	Diagnostic Language — Dial
<b>234-155 System Evaluation and Acceptance Tests</b>			Addendum	2	
▲234-155-001	9	Final Verification Tests (10-92)	234-180-100	1	Operational Software Control Structure
▲234-155-005	9	Operational Readiness Tests — System Evaluation and Accep- tance Tests (10-92)	234-180-111	1	International Call Processing Programs
▲234-155-010	7	Maintenance Function Verifica- tion	234-180-112	1	Domestic Call Processing
<b>234-160 Generic Retrofit/Update</b>			234-180-120	5	Translation Data Structures, Lay- outs, and Associated Routines
▲234-160-013	1	4E12 to 4E13 Generic Retrofit and 4E13 ODA Update	Addendum	1	
▲234-160-016	1	4E15 to 4E16 Generic Retrofit and 4E16 ODA Update	234-180-121	2	Network Program
▲Addendum	2		234-180-131	2	Overload Control Program
▲234-160-017	1	4E16 to 4E17 Generic Retrofit and 4E15 ODA Update (10-92)	234-180-140	3	Traffic and Plant Measurements Programs
▲234-160-018	1	4E17 to 4E18 Generic Retrofit and 4E18 ODA Update (11-93)	Addendum	2	
▲234-160-019	1	4E18 to 4E19 Generic Retrofit (6-94)	234-180-150	1	Recent Changes and Data Verifi- cation Programs
▲234-160-020	1	4E19 to 4E20 Generic Retrofit and 4E20 ODA Update	234-180-200	3	Maintenance Software Control Structure
234-160-307	2	4AP7 to 4AP8 Retrofit — AT&T 3B Computer	234-180-210	2	Software Integrity — Monitor and Control Programs
234-160-308	1	4AP8 to 4AP8 Update — AT&T 3B Computer	Addendum	1	
234-160-309	1	4AP8 to 4AP9 Retrofit — AT&T 3B Computer	234-180-220	2	Audit Programs
234-160-310	1	4AP9 to 4AP10 Retrofit — AT&T 3B Computer	234-180-240	3	Trunk Maintenance Administra- tion Program
234-160-311	2	4AP10 to 4AP11 Retrofit — AT&T 3B Computer (12-92)	Addendum	1	
234-160-312	3	4AP11 to 4AP12 Retrofit — AT&T 3B Computer	234-180-241	2	Trunk Error Analysis Program
234-160-313	5	4AP12 to 4AP13 Retrofit — AT&T 3B Computer (5-95)	Addendum	1	
<b>234-180 Software Description</b>			234-180-242	2	Service Circuit Test Program (SVCT)
234-180-000	3	Introduction	Addendum	1	
234-180-001	2	Guide to Software Documenta- tion	234-180-243	2	51A Test Access Trunk Control Program
			234-180-245	3	Carrier Group Alarm Program
			234-180-246	2	Trunk Testing Programs
			Addendum	2	
			234-180-247	1	Vacant Code Analysis Program
			Addendum	1	
			234-180-249	1	International Trunk Maintenance Programs
			Addendum	1	
			234-180-250	2	Maintenance Control Program
			Addendum	2	
			234-180-251	1	Automatic Routine Maintenance Exercise Program

Number	Issue	Subject	Number	Issue	Subject
234-180-252	2	Alarm Program (ALRM01)	234-185-014	1	Generic Retrofit and ODA Update — Planning and Scheduling Guide 4E13 to 4E14
234-180-253	3	Master Control Console Toll Application Program	234-185-015	1	Generic Retrofit and ODA Update — Planning and Scheduling Guide 4E14 to 4E15
234-180-254	3	Library Programs	234-185-016	1	Generic Retrofit and ODA Update — Planning and Scheduling Guide 4E15 to 4E16
Addendum	1		234-185-017	1	Generic Retrofit and ODA Update — Planning and Scheduling Guide 4E16 to 4E17 (8-92)
234-180-260	2	Diagnostic Programs	234-185-018	1	Generic Retrofit and ODA Update — Planning and Scheduling Guide 4E17 to 4E18 (11-93)
Addendum	1		234-185-019	1	Generic Retrofit and ODA Update — Planning and Scheduling Guide 4E18 to 4E19 (6-94)
234-180-270	2	Diagnostic Results Post-Processing Program	234-185-020	1	Generic Retrofit and ODA Update — Planning and Scheduling Guide — 4E19 to 4E20 (11-94)
Addendum	1				
234-180-280	2	Peripheral Utility Program (PULP)			
Addendum	1				
234-180-300	2	Interrupt Software Control Structure			
234-180-310	2	Peripheral Units Fault Recovery Programs			
Addendum	2				
234-180-320	1	Error Analysis Program			
234-180-330	3	System Recovery, Initialization, and Reinitialization			
<b>234-181 Growth</b>			<b>234-2 Documentation Common to 1A and 1B Processor Systems</b>		
234-181-000	10	Growth and Degrowth — General Description (11-94)	<b>234-200 Attached Processor System (APS)</b>		
234-181-001	7	Growth System Performance Prerequisites and Verification Tests (11-94)	234-200-100	1	Attached Processor System (APS) 4ESS Switch Application 4AP<13>Generic Maintenance Reference Handbook (11-94)
<b>234-182 System Evaluation and Acceptance Requirements</b>			<b>234-3 1B Processor</b>		
■ 234-182-000	7	Frame and Subsystem Prerequisite Testing	<b>234-301 General Information</b>		
234-182-001	8	Final Verification Tests	234-301-001	1	General Description (4-94)
234-182-005	8	Operational Readiness Tests	234-301-002	2	Diagnostic Program Application Description (2-95)
■ 234-182-010	7	Office Data and Maintenance Function Verification	234-301-003	1	Generic Utility Program Application — Description (4-94)
<b>234-183 Precutover Trunk Testing</b>			234-301-004	2	4ESS Switch With 1B Processor — Master Control Complex (MCC) Description and User's Guide (12-94)
234-183-000	5	Domestic	<b>234-310 Administration Information</b>		
<b>234-185 Generic Retrofit and ODA Update — Planning and Scheduling Guide</b>			■ 234-310-001	2	Utility System User's Guide (3-95)
234-185-013	1	Generic Retrofit and ODA Update — Planning and Scheduling Guide 4E12 to 4E13			

Number	Issue	Subject	Number	Issue	Subject
■ 234-310-002	1	4ESS 1B Processor Utility System Workstation Configuration Instructions (3-95)	<b>234-355 System Evaluation and Acceptance Tests</b>		
234-310-107	2	1B Processor — 4E19 Generic — Maintenance Reference Handbook (10-94)	▲234-355-001	2	4ESS Switch With 1B Processor — Final Verification Test — System Evaluation and Acceptance Tests (3-95)
234-310-205	2	1B Processor — Program Address Interpretation Guide Description (1-95)	▲234-355-005	2	4ESS Switch Operational Readiness Tests System Evaluation and Acceptance Tests (3-95)
<b>234-351 Peripheral Equipment Maintenance</b>			▲234-355-010	1	4ESS Switch with 1B Processor Maintenance Function Verification System Evaluation and Acceptance Tests
▲234-351-002	2	4ESS Switch With 1B Processor System Maintenance — Maintenance Operations Center (1/95)	▲234-355-015	1	1B Processor — Stand-Alone and Limited Access Tests Description (6-94)
▲234-351-003	2	4ESS Switch With 1B Processor — Output Message Analysis (Audits, Interjects, and Interrupts) (11-94)	<b>234-380 Software Description</b>		
234-351-004	2	1B Processor Cabinet Trouble Clearing Procedures (CC, PS, PSB, CD, CSB, IFB, AUI, MUP, SSD, FNS And XPWR) (1-95)	■ 234-380-020	1	1B Processor Assembly Language Software Description 4E19 Generic Program (6-94)
▲Addendum	1		■ 234-380-030	1	1B Processor Software Description Program Listing (6-94)
▲234-351-006	1	1B Processor Conversion Switch Unit (PUB, AUB, GCP, SSD) Trouble Clearing — Task Oriented Practice (TOP) (2-94)	234-380-230	1	Diagnostic Results Post-Processing Program Software Description 1B Processor (6-94)
▲234-351-010	1	4ESS Auxiliary Data System 1B Processor	<b>234-381 Growth and Degrowth</b>		
▲234-351-016	1	4ESS Attached Processor Interface Frame 1B Processor	234-381-000	1	4ESS Switch Growth and Degrowth General Description and Acceptance Requirements (11-94)
234-351-020	1	J5A006A-1 Input/Output Frame — 1B Processor (11-93)	234-381-001	1	4ESS Switch Growth System Performance Prerequisites and Verification Tests (11-94)
▲Addendum	1		<b>234-382 System Evaluation and Acceptance Requirements</b>		
▲234-351-021	1	J5A006C-1 Input/Output Processor Frame — 1B Processor (2-94)	234-382-001	2	4ESS Switch with 1B Processor — Final Verification Tests — System Evaluation and Acceptance Requirements (3-95)
▲Addendum	1		234-382-005	2	4ESS Switch with 1B Processor — Operational Readiness Tests — System Evaluation and Acceptance Tests (3-95)
▲234-351-022	1	J5A006D-1 Input/Output Processor Frame — 1B Processor (2-94)			
<b>234-353 Growth</b>					
▲234-353-001	1	4ESS Switch - 1B Processor - Initial Installation (6/94)			
▲234-353-010	1	1B Processor Growth/Degrowth (3-95)			

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
234-382-010	2	4ESS Switch with 1B Processor — Office Data and Maintenance Function Verification System Evaluation and Acceptance Re- quirements (9-94)
234-382-015	1	1B Processor - Stand-Alone Lim- ited Access Tests Description (6-94)

**Division 235**

**5ESS® SwitchDigital Switching System**

**235-0 Index and General**

- 000 Index
- 040 Planning
- 060 Engineering
- 070 Administrative
- 080 Translations
- 099 Customer Information Releases (CIRs)

**235-1 Descriptive, Procedural, Recent Change, and Feature Manuals**

- 100 Descriptive
- 105 Maintenance Manuals
- 118 Recent Change Manuals
- 120 Small Capacity Exchange Applications
- 145 Call Processing Manuals
- 190 Feature Manuals

**235-2 Application**

**235-3 Application/Sales/Marketing**

- 300 The Premier Solution
- 310 Reliability
- 350 Hardware Kits
- 390 Feature Handbooks

**235-4 Electronic Media**

**235-6 Software Reference Manuals**

**235-7 Supplementary Reference Manuals**

**235-9 Specifications — Drawings and Program Documents**

- 990 Order Codes for Functional Groups of Drawings
- 995 Program Documents

Number	Issue	Subject
<b>235-0 Index and General</b>		
<b>235-000 Index</b>		
Ⓢ235-000-000	55	Numerical Index — Division 235 — 5ESS® Switch — Digital Switching System (5-95)
■Ⓢ235-000-005	6.00	Master Subject Index

Number	Issue	Subject
■Ⓢ235-001-001	12.00	Documentation Description and Ordering Guide (5-95)

**235-040 Planning**

■Ⓢ235-040-100	8.01	Operations, Administration, and Maintenance (OA&M) Planning Guide (4-95)
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**235-060 Engineering**

■Ⓢ235-060-100	7.00	5 DOPS User's Guide
■ⓈAppendix 1	6.00	5 DOPS Quick Reference Guide
■Ⓢ235-060-110	7.01	5 DOPS Engineering Procedures (8 Vols)
■Ⓢ235-060-120	6.01	5 DOPS Engineering Procedures - Operator Services
■Ⓢ235-060-130	4.01	5 DOPS Engineering Procedures - Applications Processor

**235-070 Administrative**

■Ⓢ235-070-100	9.00	Administration and Engineering Guidelines (8-94)
■ⓈAppendix 1	6.00	Traffic & Plant Measurements 5E2 through 5E9(2) (9-94)
■ 235-070-101D	3.00	Current Capacity Projection Tool
■ 235-070-200	2.00	Feature Activation Counting Reconciliation (FACR) Personal Computer User's Guide

**235-080 Translations**

■Ⓢ235-080-100	--	TG5-Translations Guide (monthly updates)
■ 235-080-101	--	Mini TG5-Translations Guide (monthly updates)

**235-099 Customer Information Releases (CIRs)**

■Ⓢ235-099-227NP	4	5ESS Switch Software Support Product Policy, Switching Systems (6-94)
■Ⓢ235-099-235IR	8	Special and Transparency Feature Quarterly Report, Switching Systems (12-93)
■Ⓢ235-099-241NP	2	5ESS Switch ASAP Growth Program Description, Switching System (3-95)

Number	Issue	Subject	Number	Issue	Subject
■④235-099-242NP	1	5ESS Switch Feature Group D Carrier Identification Code Expansion Deployment Planning Guide	■④235-105-231	8.01	Hardware Change Procedures-Growth — 5E6 through 5E9(1) Software Releases — Volumes 1, 2, 3, and 4 (4-95)
■④235-099-243NP	8/94	5ESS Switch Warranty Support Plan Policy	▣■ 235-105-242	1.07	Generic Retrofit 5E2(2) to 5E3
■ 235-099-244NP	1	5ESS Switch Technical Support Services (10-93)	▣■ Appendix 1	1.00	Reference Documents and Required Materials
■ 235-099-245IR	12/93	AT&T 3B20D Processor Discontinued Availability	▣■ 235-105-243	1.07	Software Release Retrofit Procedures 5E3 to 5E4
④235-099-247MA	1	Addition to Procedure for 5ESS-2000 Switch Fan Replacement (5-94)	▣■ Appendix 1	1.01	Reference Documents and Required Materials
			▣■ 235-105-244	1.04	Software Release Retrofit Procedures 5E4 to 5E5
			▣■ Appendix 1	1.00	Reference Documents and Required Materials
			▣■ 235-105-245	2	Software Release Retrofit Procedures 5E5 to 5E6 (2-93)
			■ Addendum	1	Software Release Retrofit Procedures 5E6 to 5E7
			■④235-105-246	3.00	Software Release Retrofit Procedures 5E6 to 5E7 (10-92)
			■④235-105-247	2.00	Software Release Retrofit Procedures 5E6 or 5E7 to 5E8 Software Releases (9-93)
			■④235-105-248	1.00	Software Release Retrofit Procedures — 5E8 to 5E9(1) Software Release (11-93)
			■④235-105-249	1.00	Software Release Retrofit Procedures — 5E9(1) to 5E9(2) (11-94)
			■④235-105-250	9.00	System Recovery (9-94)
			■④235-105-300	4.00	MLT Interface Test and Maintenance Guide (1-95)
			■④235-105-331	8.01	Hardware Change Procedures — Degrowth — 5E6 and Later Software Releases (Volumes 1 and 2) (4-95)
			▣■ 235-105-340	1.02	Generic Update Procedures [5E2(2)]
			▣■ 235-105-341	1.03	Generic Update Procedures (5E3)
			▣■ 235-105-342	1.02	Generic Update Procedures (5E4)
			▣■ Addendum	1	Generic Update Procedures (5E5)
			▣■ 235-105-343	1.01	Generic Update Procedures (5E5)
			▣■ 235-105-344	1.01	Software Release Update Procedures (5E6)
<b>235-1 Descriptive, Procedural, Recent Change, and Feature Manuals</b>					
<b>235-100 Descriptive</b>					
■④235-100-125	7.00	System Description (9-94)			
<b>235-105 Maintenance Manuals</b>					
■④235-105-110	8.00	System Maintenance Requirements and Tools (2 Vols.) (9-94)			
■④235-105-119	8.00	Maintenance Guide Utilizing OMS5-SCC (10-93)			
■④235-105-120	7.00	OMS5-SCC Magnetic Tape			
■④235-105-130	2.00	Maintenance Guide — Utilizing OMS5-TNM (10-93)			
■④235-105-131	2.00	OMS5-TNM Magnetic Tape			
■④235-105-200	9.00	Precutover and Cutover Procedures (9-94)			
■④235-105-210	10.01	Routine Operations and Maintenance Procedures (2 Vols.) (4-95)			
Appendix 1	1.02	O&M Checklist Job Aid			
■④235-105-220	9.00	Corrective Maintenance Procedures (9-94)			
▣ Appendix 1	1.01	TLWS Job Aid (5E2)			
▣ Appendix 2	1.01	TLWS Job Aid (5E3)			
▣■ Appendix 3	1.01	TLWS Job Aid (5E4)			
▣■ Appendix 4	1.01	TLWS Job Aid (5E5)			
■ 235-105-220J7	2.00	Job Aid TLWS Poke Commands (5E8) (9-92)			
■ 235-105-220J8	1.00	Job Aid TLWS Poke Commands [5E9(1)] (9-93)			
■ 235-105-220J9	1.00	Job Aid TLWS Poke Commands - 5E9(2) Software Release (9-94)			

Number	Issue	Subject
■④235-105-345	1.00	Software Release Update Procedures (5E7)
■④235-105-346	1.00	Software Release Update Procedures (5E8)
■④235-105-347	1.00	Software Release Update Procedures [5E9(1)] (11-93)
■④235-105-348	1.00	5ESS-2000 Switch Software Release Update Procedures 5E9(2) Software Release (12-94)
▢■ 235-105-443	1.02	Large Terminal Growth Procedures (5E4)
▢■ 235-105-444	1.00	Large Terminal Growth Procedures (5E5)
▢■ 235-105-445	1.00	Large Terminal Growth Procedures (5E6)
■④235-105-446	1.00	Large Terminal Growth Procedures (5E7)
■④Addendum	1	Large Terminal Growth Procedures (5E8)(12-92)
■④235-105-447	1.00	Large Terminal Growth Procedures (5E8)(12-92)
■④235-105-448	1.00	Large Terminal Growth Procedures 5E9(1) Software Release (1-95)
■④235-105-449	2.00	5ESS-2000 Switch Large Terminal Growth Procedures 5E9(2) Software Release (6-95)
■④235-105-500	5.00	Maintenance Reference Handbook (11-94)
■④Addendum	1.00	
■④235-105-510	1.00	3B21D Computer Maintenance Reference Handbook (9-93)

**235-118 Recent Change Procedural Manuals**

▢■ 235-118-200	1.02	Menu Mode [5E2(1) and 5E2(2)] (3 Vols)
▢■ 235-118-201	1.00	Batch Release [5E2(1) and 5E2(2)]
▢■ 235-118-202	2.00	Text Interface [5E2(1) and 5E2(2)] (2 Vols)
▢■ 235-118-210	1.02	Menu Mode (5E3) (2 Vols)
▢■ 235-118-211	1.02	Batch Release (5E3)
▢■ 235-118-212	1.01	Text Interface (5E3) (2 Vols)
▢■ 235-118-213	1.02	Menu Mode (5E4) (2 Vols)
▢■ Appendix 1	1.00	Translation Guide Job Aid
▢■ 235-118-214	1.01	Recent Change Batch Release

Number	Issue	Subject
▢■ Addendum	1	Recent Change Text Interface (5E4)
▢■ 235-118-215	1.01	Recent Change Text Interface (5E4) (2 Vols)
▢■ Addendum	1	Recent Change Menu Mode/Text Interface (5E5)
▢■ 235-118-216	2.01	Recent Change Menu Mode/Text Interface (5E5) (4 Vols)
▢■ Appendix 1	2.00	Translation Guide Job Aid
▢■ 235-118-217	1.00	Recent Change Batch Release (5E5)
▢■ 235-118-218	1.00	Recent Change Attribute Definitions (5E5)
▢■ 235-118-224	1.00	Recent Change Procedural Manual — Attribute Definition (5E6)
▢■ 235-118-225	1.00	Recent Change Reference (5E6)
■④235-118-240	1.00	Recent Change Procedures (5E7)
■④235-118-241	1.00	Recent Change Reference (5E7)
■④235-118-242	1.01	Recent Change Procedures (5E8) (7-92)
■④235-118-243	1.01	Recent Change Reference (5E8) (7-92)
■④235-118-244	1.00	Recent Change Procedures [5E9(1)] (8-93)
■④235-118-245	1.00	Recent Change Reference [5E9(1)] (8-93)
■④235-118-246	1.00	Recent Change Office Record Forms [5E9(1)] (8-93)
■④235-118-247	1.00	5ESS-2000 Switch Recent Change Procedures 5E9(2) Software Release (8-94)
■④235-118-248	1.00	5ESS-2000 Switch Recent Change Reference 5E9(2) Software Release (8-94)
▢■ 235-118-311	1.01	Recent Change Procedures Using RMAS (5E4) (2 Vols)
▢■ 235-118-400	1.00	Office Records and Data Base Query (5E4)
▢■ 235-118-401	1.00	Office Records and Data Base Query (5E5)

**235-120 Small Capacity Exchange Applications**

**Compact Digital Exchange (CDX)**

■ 235-120-010	2	5ESS-2000 Switch Compact Digital Exchange (CDX) Reference Guide (5-94)
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Number	Issue	Subject	Number	Issue	Subject
■ 235-120-020	2	5ESS-2000 Switch Compact Digital Exchange (CDX) User's Guide (3-95)	235-190-135	1.00	OVATION® Voice Messaging System — Site Preparation Guide for the AT&T 5ESS Switch — Central Office Installation (6-93)
<b>Very Compact Digital Exchange (VCDX)</b>			235-190-136	1.00	OVATION Voice Messaging System — Translation Guide for the AT&T 5ESS Switch — Central Office Installation (6-93)
■ 235-120-110	1	Very Compact Digital Exchange (VCDX) Reference Guide	■ 235-190-300	7.00	Billing Features and Specifications 5E7-5E9(2) Software Releases (10-94)
■ 235-120-120	1	Very Compact Digital Exchange (VCDX) User's Guide	■ 235-190-300AC	2.00	Billing Features and Specifications Network Services Division (10-91)
■ 235-120-150	1.00	5ESS-2000 Switch Very Compact Digital Exchange (VCDX) Software Release Update Procedures 5E9(2) Software Release	■ 235-190-305	1.03	AMA Test Tape Descriptions and User Guide (5E5)
<b>235-145 Call Processing Manuals</b>			■ 235-190-305MT	1.00	AMA Magnetic Test Tape (5E5)
■ 235-145-100	5.00	Call Processing Description	■ 235-190-306	1.00	AMA Test Tape Description and User Guide (5E6)
<b>235-190 Feature Manuals</b>			■ 235-190-306MT	1.00	AMA Magnetic Test Tape (5E6)
■ 235-190-101	6.00	Business and Residence Modular Features (4 Vols)(10-94)	■ 235-190-307	1.01	AMA Test Tape Description and User Guide (5E7)(3-92)
■ 235-190-102	7.00	Business and Residence Non-Modular Features 5E7-5E9(2) Software Releases (10-94)	■ 235-190-307MT	1.00	AMA Magnetic Test Tape (5E7)
■ 235-190-105	5.00	Custom ISDN Feature Descriptions	■ 235-190-308	1.00	AMA Test Tape Description and User Guide (5E8)(7-92)
Addendum	1	ISDN Capabilities and Applications (9-93)	■ 235-190-308MT	1.00	AMA Magnetic Test Tape (5E8)
235-190-106	2.00	ISDN Capabilities and Applications	■ 235-190-309	1.00	AMA Test Tape Description and User Guide [(5E9(1))](9-93)
■ 235-190-110	2.00	National ISDN Feature Descriptions (2 Vols) (9-93)	■ 235-190-309MT	1.00	AMA Magnetic Test Tape [(5E9(1))]
■ Addendum	2.00	Local and Toll System Features (4-94)	■ 235-190-310	1.00	AMA Test Tape Description and User Guide 5E9(2) Software Release (9-94)
■ 235-190-115	5.01	Local and Toll System Features (9-93)	■ 235-190-310MT	1.00	AMA Magnetic Test Tape [5E9(2)]
■ 235-190-120	7.00	Common Channel Signaling Service Features 5E7 Through 5E9(2) Software Release (10-94)	<b>235-2 Application</b>		
■ 235-190-125	4.00	Advance Services Platform, Release 0 and 0.1A (10-94)	■ 235-200-300	2.00	Defense Switched Network Applications
■ 235-190-126	2.00	Advance Services Platform, Release 0.1B (7-94)	<b>235-3 Application/Sales/Marketing</b>		
■ 235-190-130	4.00	Local Area Signaling Services — 5E5 Through 5E9(1) Software Releases (5-93)	<b>235-300 The Premier Solution</b>		
			① 235-300-010	5	5ESS Switch Information Guide
			① 235-300-015	2	OSPS Information Guide
			235-300-025	2	Value of ISDN Support Services (1988)

Number	Issue	Subject	Number	Issue	Subject
235-300-026	2	Digital Centrex Documentation and Training Guide (1989)	■Ⓞ235-400-110	--	5ESS Switch Engineering Drawings — CD-ROM NOTE: This item is updated bi-monthly.
235-300-027	1	Value of ISDN OA&M (1988)	■Ⓞ235-410-100	--	OA&M Documents (UNIX Based Tape) NOTE: This item is updated monthly.
● 235-300-050	2	Metro-Digital Transition — Application Guide (1989)	■Ⓞ235-410-200	--	Usage Sensitive Subscription for Networked Services Access to 5ESS Switch Documentation NOTE: This item is updated monthly.
235-300-070	2	ACD/MIS Telemarketing Services Applications Guide	■Ⓞ235-410-210	--	Flat Rate Subscription for Networked Services Access to 5ESS Switch Documentation NOTE: This item is updated monthly.
<b>235-310 Reliability</b>			■Ⓞ235-410-220	--	Electronic Media Networked Service (EMNS) Access to On-Line Program Listing NOTE: This item is updated monthly.
■ 235-310-100	1	5ESS Switch Ultra Reliable Network Solution (10-93)	<b>Electronic Media Hardware</b>		
<b>235-350 Hardware Kits</b>			235-410-510	11/92	TOSHIBA* Microchannel CD ROM — Hardware System 2
■ 235-350-100	3	Optical Remote Module (ORM) Clock Synchronization Circuit (CSC) Conversion Manual (CC107179855) (5-94)	235-410-520	11/92	ASAP System With Expansion — Hardware System 4
<b>235-390 Feature Handbooks</b>			235-410-525	11/92	ASAP Software Upgrade-A — Hardware System 5
■ 235-390-100	5	Global Switch Technical Description (International) (12-94)	235-410-535	--	Globalyst 515 Standard Desktop — 33 MHz 486SX with AT&T MultiGraphics Terminal Emulator (MGTE)
■ Addendum	1	5E7 Product Release Document (for NSD only)	235-410-540	--	Globalyst 515 Super Desktop — 50 MHz 486SX with AT&T MGTE
■ 235-390-200AC	1	5E7 Product Release Document (for NSD only)	235-410-545	--	Globalyst 515 Standard Desktop — 33 MHz 486SX with CD-ROM
■ 235-390-202AC	1	5E8 Product Release Document (for NSD only)	235-410-550	--	Globalyst 515 Super Desktop — 50 MHz 486SX with CD-ROM
235-390-505	1.00	Basic Switch Features	235-410-555	--	Globalyst 515 Standard Desktop — 33 MHz 486SX with AT&T MGTE and CD-ROM
235-390-510	3.00	Basic Voice Features (5-94)	235-410-560	--	Globalyst 515 Super Desktop — 50 MHz 486SX with AT&T MGTE and CD-ROM
235-390-514	1.00	Custom Integrated Services Digital Network (ISDN) Features			
235-390-515	1.00	National Integrated Services Digital Network (ISDN) Features (12-92)			
235-390-520	7.00	5ESS-2000 Switch Two Year Feature Planning Guide			
<b>235-4 Electronic Media</b>					
■Ⓞ235-400-100	--	5ESS Switch Documentation — CD-ROM NOTE: This item is updated monthly.			
■Ⓞ235-400-102	--	UNIX* Based CD-ROM NOTE: This item is updated monthly.			

\* UNIX is a registered trademark of Novell, Inc

\* TOSHIBA is a registered trademark of Kabushiki Kaisha Toshiba.

Number	Issue	Subject
235-410-561	--	Globalyst 200 Notebook — 50 MHz 486SX with AT&T MGTE
235-410-562	--	Globalyst 200 Notebook — 50 MHz 486SX with CD-ROM
235-410-563	--	Globalyst 200 Notebook — 50 MHz 486SX with AT&T MGTE and CD-ROM
235-410-565	--	HP* Laserjet IV
235-410-566	--	NCR 6427 Dot-Matrix Printer or OKIDATA† MICROLINE‡ 590 24-pin Printer
235-410-570	--	TOSHIBA External CD-ROM Drive
235-410-575	--	Telebit TRAILBLAZER‡ 19.2 Kbps Internal Modem
235-410-580	--	Telebit TRAILBLAZER 19.2 Kbps External Modem
235-410-585	--	Graphics Terminal Emulator
235-410-586	--	Multi Graphics Terminal Emulator
235-410-587	--	Multi Graphics Terminal Emulator With MICROSOFT WINDOWS§
235-410-596	3/92	AT&T Portable V .32 External Modem System 28
235-410-597	--	AT&T Laptop External, Portable CD-ROM
235-410-598	8/91	XIRCOM Network Interface Hardware System 30
235-410-599	1	Desktop Disk/Graphics Card Upgrade — Hardware System 99

### 235-6 Software Reference Manuals

#### Translations Data Manuals

▣■ 235-600-100	2.00	Translations Data [5E2(1) and 5E2(2)] (5 Vols)
▣■ 235-600-101	1.01	Translations Data (5E3) (4 Vols)
▣■ 235-600-102	1.05	Translation Data (5E4) (5 Vols)
▣■ 235-600-103	1.01	Translation Data (5E5) (6 Vols)

Number	Issue	Subject
▣■ 235-600-104	1.00	Translations Data (5E6)
▣■ 235-600-105	1.00	Translations Data (5E7)
▣■ 235-600-106	1.00	Translations Data (5E8) (12 Vols)
▣■ 235-600-107	1.00	Translations Data Manual (5E9) (8-93)
▣■ 235-600-108	1.00	Translations Data Manual 5E9(2) (8-94)
▣■ 235-600-115	13	Input Reference Guide

#### Population Rules Language Data Manuals

▣■ 235-600-130	1.00	Common Network Interface Translation Data Manual (8-93)
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#### Dynamic Data Manuals

▣■ 235-600-200	1.00	Dynamic Data [5E2(1) and 5E2(2)] (2 Vols)
▣■ 235-600-201	1.01	Dynamic Data (5E3) (2 Vols)
▣■ 235-600-203	1.00	Dynamic Data (5E4) (2 Vols)
▣■ 235-600-204	1.00	Dynamic Data (5E5) (2 Vols)
▣■ 235-600-205	1.00	Dynamic Data (5E6)
▣■ 235-600-206	1.00	Dynamic Data (5E7)
▣■ 235-600-207	1.00	Dynamic Data Manual (5E8) (2 Vols)
▣■ 235-600-208	1.00	Dynamic Data Manual [5E9(1)] (8-93)
▣■ 235-600-209	1.00	Dynamic Data Manual [5E9(2)] (9-94)

#### Domain Descriptions

▣■ 235-600-210	1.00	Translations and Dynamic Data Domain Description (5E5) (2 Vols)
▣■ 235-600-211	1.00	Translations and Dynamic Data Domain Description (5E6)
▣■ 235-600-212	1.01	Translations and Dynamic Data Domain Description Manual (5E7)
▣■ 235-600-213	1.00	Translations and Dynamic Data Domain Description Manual (5E8)
▣■ 235-600-214	1.00	Translations and Dynamic Data Domain Description Manual [5E9(1)] (8-93)

#### Reference

▣■ 235-600-215	1.00	Translations and Dynamic Data Reference (5E5)
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† Registered trademarks of Oki Electric Industry Co., Ltd. (Japan Company)

‡ Registered trademark of Telebit Corporation

§ MICROSOFT WINDOWS is a trademark of MICROSOFT Corporation.

Number	Issue	Subject
▣ 235-600-216	1.01	5ESS SW Translations and Dynamic Data Reference Manual (5E6)
■ 235-600-217	1.01	Translations and Dynamic Data Reference Manual (5E7)
■ 235-600-218	1.00	Translations and Dynamic Data Reference Manual (5E8)
■ 235-600-219	1.00	Translations and Dynamic Data Reference Manual [5E9(1)] (8-93)
■ 235-600-220	1.00	Translations and Dynamic Data Reference Manual [5E9(2)] (9-94)
■ 235-600-240	1.00	Translations and Dynamic Data Domain Description Manual (8-94)
▣ 235-600-300	12/85	ECD/SG (Equipment Configuration Data/System Generation) Data Base [5E2(1)]
▣ 235-600-301	1/86	ECD/SG Data Base [5E2(2)](2 Vols)
▣ 235-600-302	1.01	ECD/SG Data Base (5E3) (2 Vols)
▣ 235-600-304	1.00	ECD/SG Data Base (5E4) (3 Vols)
▣ 235-600-305	1.02	ECD/SG Data Base (5E5) (3 Vols)
▣ 235-600-306	1.00	ECD/SG Data Base Manual (5E6)
■ 235-600-307	1.01	ECD/SG Data Base Manual (5E7)
■ 235-600-308	1.01	ECD/SG Data Base Manual (5E8)
■ 235-600-309	1.01	ECD/SG Data Base Manual [5E9(1)] and [5E9(2)] (10-94)
■ 235-600-350	1.01	Population Patterns of ECD (5E8)
■ 235-600-400	7.03	Audits Manual (10-94)
■ 235-600-400J1	7.01	Audits Reference Guide Job Aid
■ 235-600-500	9.00	Asserts Manual 5E9(2) (2 Vols) (9-94)
■ 235-600-510	3.03	Software Analysis Guide (10-94)
■ 235-600-601	4.02	Processor Recovery Messages (9-93)
■ 235-600-700	13.00	Input Messages Manual
■ 235-600-750	13.00	Output Messages Manual
■ 235-600-755	1.00	Protocol Error Record Description (8-94)

Number	Issue	Subject
<b>235-7 Supplementary Reference Manuals</b>		
⊕ Addendum	2	Interface/Compatibility Guide
⊕ 235-700-100	5.00	Interface/Compatibility Guide (6-92)
⊕ 235-700-125	6.00	Circuit Pack Compatibility Guide (5-95)
■ 235-700-200	5.00	UNIX System Reference Manual
■ 235-700-300	2.00	Peripheral Diagnostic Language Reference Manual

**235-9 Specifications — Drawings and Program Documents**

**Product Specifications**

▣ 235-900-101	1.01	Technical Specification [5E2(1) and 5E2(2)] (2 Vols)
▣ 235-900-103	1.02	System Description and Product Specification (5E3) (2 Vols)
▣ Addendum	1.00	Product Specification (5E4) (8-90)
▣ 235-900-104	2.01	Product Specification (5E4)
▣ 235-900-105	2.01	Product Specification (5E5)
▣ Addendum	1.01	Product Specification (5E6) (7-90)
▣ 235-900-106	1.02	Product Specification (5E6)
⊕ 235-900-107	1.00	Product Specification (5E7)
⊕ 235-900-108	1.00	Product Specification (5E8)
⊕ 235-900-109	1.00	Product Specification [5E9(1)]
■ 235-900-110	1.00	5ESS-2000 Product Specification [5E9(2)] (9-94)

**Interface Specifications**

▣ 235-900-301	1.05	Integrated Services Digital Network (ISDN) Basic Rate Interface (5E4)
▣ 235-900-302	12/86	ISDN Primary Rate Interface (5E4)
⊕ 235-900-303	8.00	ISDN Applications Processor Interface Specification 5E7 and Later Software Releases (12-94)
⊕ Addendum	3.00	Recent Change Operations System Interface (6-94)
■ 235-900-304	6.00	Recent Change Operations System Interface
▣ 235-900-305	2.00	Public Packed Switched Network (X.75') (5E5)
⊕ 235-900-306	5.00	Transmission Loss Plan 5E7 Through 5E9(2) Software Releases (9-94)

Number	Issue	Subject	Number	Issue	Subject
⊕Addendum	1	Interface Specification to a Packet Switched Public Data Network (X.75)	Addendum	1	Custom ISDN Basic Rate Interface Specification [5E8 and 5E9(1)] (8-93)
⊕235-900-307	2.00	Interface Specification to a Packet Switched Public Data Network (X.75) (5E6 & 5E7)	235-900-343	2.00	Custom ISDN Basic Rate Interface Specification [5E8 and 5E9(1)] (2-93)
⊕Addendum	2	IDCU TR-TSY-000303 Interface Specification	<b>235-990 Order Codes for Functional Groups of Drawings. See 235-001-001 for a Detailed List of Drawings Included in Each Code.</b>		
⊕235-900-308	3.01	IDCU TR-TSY-000303 Interface Specification [5E8 & 5E9(1)] (10-93)	<b>Schematic Diagrams (SDs)</b>		
⊕235-900-309	1.00	ISDN Remote Protocol Access Interface (5E7)	■ 235-990-100	--	Administrative Module (AM) Miscellaneous Equipment
⊕ Addendum	1	ISDN Basic Rate Interface (5E5)	■ 235-990-100A	--	3B21D AM Equipment
⊕ 235-900-311	1.01	ISDN Basic Rate Interface (5E5)	■ 235-990-100B	--	3B20D AM Equipment
⊕ 235-900-312	1.00	ISDN Primary Rate Interface (5E5)	■ 235-990-101	--	Miscellaneous Equipment for AM or Remote Switch Module (RSM)
⊕Addendum	1	Interface Specification to a Public Packet Switched Network (X.75) (5E6 and 5E7)	■ 235-990-102	--	RSM Application Schematic
⊕235-900-315	2.00	Interface Specification to a Public Packet Switched Network (X.75) (5E6 and 5E7)	■ 235-990-103	--	Miscellaneous Equipment for Optically Remote Module (ORM)
⊕235-900-317	3.00	Interface Specification To a Packet-Switched Public Data Network (X.75) 5E8 and Later Software Releases (12-94)	■ 235-990-104	--	Communication Module 2 (CM2)
⊕ Addendum	3	ISDN Basic Rate Interface (5E6) (8-93)	■ 235-990-105	--	Communication Module 1 (CM1)
⊕ 235-900-321	1.02	ISDN Basic Rate Interface (5E6)	■ 235-990-106	--	Common Switch Module (SM) and Service Equipment
⊕ 235-900-322	1.01	ISDN Primary Rate Interface (5E6)	■ 235-990-107	--	Common SM Equipment (for RSM)
⊕235-900-325	3.00	X.75 <sup>1</sup> Intranetwork Interface Specification 5E8 and Later Software Releases (12-94)	■ 235-990-108	--	Line Peripheral Equipment
Addendum	1	ISDN Basic Rate Interface (5E7) (8-93)	■ 235-990-109	--	Line Peripheral Equipment for Office Equipped for Integrated SLC <sup>®</sup> Carrier
235-900-331	1.00	ISDN Basic Rate Interface (5E7)	■ 235-990-110	--	Trunk Peripheral Equipment
Addendum	1	ISDN Primary Rate Interface (5E7 and 5E8)	■ 235-990-111	--	Integrated Services Line Unit (ISLU) for Host OSPS, Host ISDN, & RSM-ISDN
⊕235-900-332	2.00	ISDN Primary Rate Interface (5E7 and 5E8)	■ 235-990-112	--	Remote ISLU (RISLU)
⊕235-900-341	3.00	National ISDN Basic Rate Interface Specification 5E8 and Later Software Releases	■ 235-990-113	--	Maintenance Equipment
⊕235-900-342	2.00	ISDN Primary Rate Interface Specification	■ 235-990-114	--	Power Distribution
			■ 235-990-115	--	Power Distribution for RSM
			■ 235-990-116	--	5ESS Switch Equipped With 151C Power Plant
			■ 235-990-117	--	5ESS Switch Equipped With 2000 Power Plant 6400 Amps
			■ 235-990-118	--	5ESS Switch Equipped With 2000 Power Plant 400 Amps
			■ 235-990-119	--	LINEAGE <sup>®</sup> 2000 System 25 Amp Power Rectifier
			■ 235-990-120	--	LINEAGE 2000 System 50 Amp Power Rectifier

Number	Issue	Subject
■ 235-990-121	--	LINEAGE 2000 System 125 Amp Power Rectifier
■ 235-990-122	--	LINEAGE 2000 System 100 Amp Power Rectifier
■ 235-990-123	--	LINEAGE 2000 System 200 Amp Power Rectifier
■ 235-990-124	--	LINEAGE 2000 System 400 Amp Power Rectifier
■ 235-990-125	--	Floor Plan
■ 235-990-126	--	Communication Module 2 Compact (CM2C) Equipment
■ 235-990-127	--	Integrated Digital Carrier Unit (IDCU) Equipment
■ 235-990-135	--	Global Power Distribution Frame (GPDF)

**Circuit Descriptions (CDs)**

■ 235-990-200	--	Administrative Module (AM) Miscellaneous Equipment
■ 235-990-200A	--	3B21D AM Equipment
■ 235-990-200B	--	3B20D AM Equipment
■ 235-990-201	--	Miscellaneous Equipment Required for AM or RSM
■ 235-990-202	--	RMS Application Schematic
■ 235-990-203	--	Miscellaneous Equipment for Optically Remote Module (ORM)
■ 235-990-204	--	Communication Module 2 (CM2)
■ 235-990-205	--	Communication Module 1 (CM1)
■ 235-990-206	--	Common SM and Service Equipment
■ 235-990-207	--	Common SM Equipment (for RSM)
□■ 235-990-208	--	Line Peripheral Equipment
■ 235-990-209	--	Line Peripheral Equipment for Office With Integrated SLC® Carrier
■ 235-990-210	--	Trunk Peripheral Equipment
■ 235-990-211	--	Integrated Services Line Unit (ISLU) for Host OSPS, Host ISDN, & RSM-ISDN
■ 235-990-212	--	Remote ISLU (RISLU)
■ 235-990-213	--	Maintenance Equipment
■ 235-990-214	--	Power Distribution
■ 235-990-216	--	5ESS Switch Equipped With 151C Power Plant
■ 235-990-217	--	5ESS Switch Equipped With 2000 Power Plant 6400 Amps
■ 235-990-218	--	5ESS Switch Equipped With 2000 Power Plant 400 Amps

Number	Issue	Subject
■ 235-990-219	--	LINEAGE 2000 System 25 Amp Power Rectifier
■ 235-990-220	--	LINEAGE 2000 System 50 Amp Power Rectifier
■ 235-990-221	--	LINEAGE 2000 System 125 Amp Power Rectifier
■ 235-990-222	--	LINEAGE 2000 System 100 Amp Power Rectifier
■ 235-990-223	--	LINEAGE 2000 System 200 Amp Power Rectifier
■ 235-990-224	--	LINEAGE 2000 System 400 Amp Power Rectifier
■ 235-990-225	--	Floor Plan
■ 235-990-226	--	Communication Module 2 Compact (CM2C) Equipment
■ 235-990-227	--	Integrated Digital Carrier Unit (IDCU) Equipment

**Circuit Pack Schematics (CPSs)**

□■ 235-990-300	--	ORM
□■ 235-990-300M	--	ORM
□■ 235-990-301	--	AM and Miscellaneous Equipment
□■ 235-990-301M	--	AM and Miscellaneous Equipment
□■ 235-990-302	--	ISLU
□■ 235-990-302M	--	ISLU
□■ 235-990-303	--	CM2
□■ 235-990-303M	--	CM2
□■ 235-990-304	--	CM1
□■ 235-990-304M	--	CM1
□■ 235-990-305	--	Common SM and Service Equipment
□■ 235-990-305M	--	Common SM and Service Equipment
□■ 235-990-306	--	Common SM for RSM
□■ 235-990-306M	--	Common SM for RSM
□■ 235-990-307	--	Line Peripheral Equipment
□■ 235-990-307M	--	Line Peripheral Equipment
□■ 235-990-308	--	Line Peripheral Equipment if Office is Equipped With Integrated SLC Carrier
□■ 235-990-308M	--	Line Peripheral Equipment if Office is Equipped With Integrated SLC Carrier
□■ 235-990-309	--	Trunk Peripheral Equipment
□■ 235-990-309M	--	Trunk Peripheral Equipment

Number	Issue	Subject	Number	Issue	Subject
□■ 235-990-310	--	Trunk Peripheral Equipment for RSM Umbilicals	■ 235-990-510	--	Maintenance Equipment
□■ 235-990-310M	--	Trunk Peripheral Equipment for RSM Umbilicals	■ 235-990-511	--	151C Power Plant
□■ 235-990-311	--	Maintenance Equipment	■ 235-990-512	--	LINEAGE 2000 System Power 6400 Amps
□■ 235-990-311M	--	Maintenance Equipment	■ 235-990-513	--	LINEAGE 2000 System Power 400 Amps
□■ 235-990-312M	--	IDCU [CPSM (Manufacturing CPS)]	■ 235-990-514	--	LINEAGE 2000 System 25 amp Power Rectifier
<b>Equipment Drawings (EDs)</b>			■ 235-990-515	--	LINEAGE 2000 System 50 amp Power Rectifier
■ 235-990-400	--	Administration Module (AM) Miscellaneous Equipment	■ 235-990-516	--	LINEAGE 2000 System 125 amp Power Rectifier
■ 235-990-400A	--	3B21D AM Equipment	■ 235-990-517	--	LINEAGE 2000 System 100 amp Power Rectifier
■ 235-990-400B	--	3B20D AM Equipment	■ 235-990-518	--	LINEAGE 2000 System 200 amp Power Rectifier
■ 235-990-401	--	Maintenance Equipment	■ 235-990-519	--	LINEAGE 2000 System 400 amp Power Rectifier
■ 235-990-402	--	Power Distribution	□■ 235-990-520	--	5ESS Switch Software
■ 235-990-403	--	Miscellaneous Equipment for RSM	■ 235-990-521	--	Communication Module 2 Compact (CM2C) Equipment
■ 235-990-404	--	5ES Switch Cabling	■ 235-990-522	--	Integrated Digital Carrier Unit (IDCU) Equipment
■ 235-990-405	--	ISLU Cabling Drawings	■ 235-990-535	--	Global Power Distribution Frame (GPDF)
■ 235-990-406	--	Circuit Pack Compatibility Report	<b>T-Drawings</b>		
■ 235-990-407	--	Integrated Digital Carrier Unit (IDCU) Cabling Drawings	■ 235-990-600	--	151C Power Plant
■ 235-990-408	--	Line Peripheral Equipment	■ 235-990-601	--	LINEAGE 2000 System Power 2400 Amps
■ 235-990-435	--	Global Power Distribution Frame (GPDF)	■ 235-990-602	--	LINEAGE 2000 System Power Plt 400 Amps
<b>J-Drawings</b>			■ 235-990-603	--	LINEAGE 2000 System 25 amp Power Rectifier
■ 235-990-500	--	Equipment for ORM	■ 235-990-604	--	LINEAGE 2000 System 50 amp Power Rectifier
■ 235-990-501	--	Administrative Module (AM) Miscellaneous Equipment	■ 235-990-605	--	LINEAGE 2000 System 125 amp Power Rectifier
■ 235-990-501A	--	3B21D AM Equipment	■ 235-990-606	--	LINEAGE 2000 System 100 amp Power Rectifier
■ 235-990-501B	--	3B20D AM Equipment	■ 235-990-607	--	LINEAGE 2000 System 200 amp Power Rectifier
■ 235-990-502	--	Integrated Services Line Unit (ISLU) Equipment	■ 235-990-608	--	LINEAGE 2000 System 400 amp Power Rectifier
■ 235-990-503	--	Communication Module 2 (CM2) Equipment			
■ 235-990-504	--	Communication Module 1 (CM1) Equipment			
■ 235-990-505	--	Common SM and Service Equipment			
■ 235-990-506	--	Common SM for RSM Office			
■ 235-990-507	--	Line Peripheral Equipment			
■ 235-990-508	--	Line Peripheral Equipment for Office With Integrated SLC Carrier			
■ 235-990-509	--	Trunk Peripheral Equipment			

Number	Issue	Subject	Number	Issue	Subject
<b>235-995 Program Documents</b>			<b>5E5 Software Release</b>		
NOTE: See AT&T 235-410-220 for program listings for 5E8 and later software releases.			☐	235-995-050	-- Program Guide, PG-5D010
<b>5E2 Software Release</b>			☐	235-995-051	-- Program Record, PR-5DXXXXX-YY
☐	235-995-020	-- Program Guide, PG-5D006	☐	235-995-052	-- Program Change, PC-5DXXXXX-YY
☐	235-995-021	-- Program Record, PR-5DXXXXX-YY	☐	235-995-053	-- Supplemental Program Info., PK-5DXXXXX-YY
☐	235-995-022	-- Program Change, PC-5DXXXXX-YY	☐	235-995-054	-- Program Guide, PG-3T008, 6B.00
☐	235-995-023	-- Supplemental Program Info., PK-5DXXXXX-YY	☐	235-995-055	-- Program Record, PR-2T008, 6B.00
☐	235-995-024	-- Program Guide PG-3T007, 1B.09	☐	235-995-056	-- Supplemental Program Info., PK-3T008, 6B.00
☐	235-995-025	-- Program Record, PR-3T007, 1B.09	<b>5E6 Software Release</b>		
☐	235-995-026	-- Supplemental Program Info., PK-3T007, 1B.09	☐	235-995-060	-- Program Guide
<b>5E3 Software Release</b>			☐	235-995-061	-- Program Record, PR-5DXXXXX-YY
☐	235-995-030	-- Program Guide, PG-5D007	☐	235-995-062	-- Program Changes
☐	235-995-031	-- Program Record, PR-5DXXXXX-YY	☐	235-995-063	-- Supplemental Program Info., PK-5DXXXXX-YY
☐	235-995-032	-- Program Change, PC-5DXXXXX-YY	☐	235-995-064	-- Program Guide, PG-3T009, 6C.00 5E6
☐	235-995-033	-- Supplemental Program Info., PK-5DXXXXX-YY	☐	235-995-065	-- Program Record, PR-3T009, 6C.00
☐	235-995-034	-- Program Guide, PG-3T007, 1B.20	☐	235-995-066	-- Supplemental Program Info., PK-3T009, 6C.00
☐	235-995-035	-- Program Record, PR-3T007, 1B.20	<b>5E7 Software Release</b>		
☐	235-995-036	-- Supplemental Program Info., PK-3T007, 1B.20	■	235-995-070	-- Program Guide PG5D013
<b>5E4 Software Release</b>			■	235-995-071	-- Program List PR5D013
☐	235-995-040	-- Program Guide, PG-5D009	■	235-995-073	-- Supplemental Program PK5D013
☐	235-995-041	-- Program Record, PR-5DXXXXX-YY	■	235-995-074	-- Program Guide PG3T008
☐	235-995-042	-- Program Change, PC-5DXXXXX-YY	■	235-995-075	-- Program Record PG3T008
☐	235-995-043	-- Supplemental Program Info., PK-5DXXXXX-YY	■	235-995-076	-- Supplemental Program
☐	235-995-044	-- Program Guide, PG-3T007, 1B.27	<b>5E8 Software Release</b>		
☐	235-995-045	-- Program Record, PR-3T007, 1B.27	■	235-995-080	-- 5ESS Program Guide PG5D014
☐	235-995-046	-- Supplemental Program Info., PK-3T007, 1B.27	■	235-995-081	-- 5ESS Program List PR5D014
			■	235-995-083	-- 5ESS Supplement Program PK5D014
			■	235-995-084	-- Program Guide PG3T008





Number	Issue	Subject	Number	Issue	Subject
<b>240-2 101 Switch Units</b>					
● 240-200-001	1	Business Services Engineering	240-229-501	2	J1H011A — Clock Circuit — Tests Using 124A Test Set SD-1H070-01
Addendum	1		240-230-501	2	J1H011A — Switch Store Circuit — Tests Using 124A Test Set SD-1H070-01
240-200-301	1	Attendant and Station Equipment — Switched-Loop Method of Operation	240-231-501	2	J1H011A — Ring-Ringback Logic Circuit — Tests Using 124A Test Set SD-1H070-01
240-200-501	2	Switch Unit Periodic Maintenance Routine	240-232-501	2	J1H011A — Line Number Translator Circuit — Tests Using 124A Test Set SD-1H070-01
240-200-502	2	Switch Unit Maintenance — Retry Printout Analysis	240-233-501	2	J1H011A — Attendant Number Translator Circuit — Tests Using 124A Test Set SD-1H070-01
240-200-503	1	Trouble Locating Procedures Required When Circuit Pack Replacement Fails To Restore 2A and 3A Switch Units To Proper Operation Using 131A Test Set	240-234-501	2	J1H011A — Attendant Circuit — Tests Using 124A Test Set SD-1H070-01
<b>240-201 1A Switch Unit</b>					
240-201-201	2	J1H011A — Identification and Installation	240-235-501	2	J1H011A — Transfer and Alarms Circuit — Tests Using 124A Test Set SD-1H070-01
240-202-201	2	J1H011A — Connections	240-236-501	2	J1H011A — Test Line Circuit — Tests Using 124A Test Set SD-1H070-01
240-204-201	2	J1H011A — Attendant Equipment 1-Type Telephone Console — Connections	240-237-501	2	J1H011A — Bus Clamp and Interbus Switch Circuit — Tests Using 124A Test Set SD-1H070-01
240-204-202	1	J1H011A — Attendant Equipment Attendant Direct Station Selection — Installation and Connection	240-238-501	2	J1H011A — Tone Generators Circuit — Tests Using 124A Test Set SD-1H070-01
240-207-201	2	Miscellaneous Equipment (4-Wire Trunk Circuit, Attendant Conference or Conference Calling Circuit, 3A Code Call Unit Trunk, Paging Trunk, Recorded Telephone Dictation Trunk, DID Answering Machine Circuit, Transmission Test Line Circuit, and Additional Power Failure Station Circuits) Identification, Installation, and Connections	240-239-501	2	J1H011A — Scanner Circuit — Tests Using 124A Test Set SD-1H070-01
240-208-201	1	Service Options — Method of Providing	240-240-501	2	J1H011A — Data Transmitter Circuit — Tests Using 124A Test Set SD-1H070-01
240-209-201	1	J1H011A — Tests and Inspections at Time of Installation	<b>240-245 2A Switch Unit</b>		
240-226-501	3	J1H011A — Manual Tests	Addendum	2	
240-226-502	1	Leakage Test of 443A (PNPN) Diodes	240-245-201	5	Identification, Installation, Connections, and Service Options
240-227-501	2	J1H011A — Data Receiver Circuit — Tests Using 124A Test Set SD-1H070-01	240-245-203	4	Connections From Switch Unit Frames to Locally Provided Distributing Frame
240-228-501	2	J1H011A — Data Distributor Circuit — Tests Using 124A Test Set SD-1H070-01	240-246-202	3	Attendant Equipment — Attendant Direct Station Selection — Installation and Connection
			240-248-201	3	2A — Miscellaneous Equipment — Identification, Installation, and Connections

Number	Issue	Subject	Number	Issue	Subject
240-249-201	5	Tests and Inspections at Time of Installation	<b>240-255 3A Switch Unit</b>		
240-250-301	4	General Guide to Trouble Analysis	Addendum	1	
240-250-302	2	131A Test Set	240-255-201	5	Identification, Installation, Connections, and Service Options
240-251-501	2	Manual Tests	240-255-202	2	Connections From Switch Unit Frames to Locally Provided Distributing Frame and for Attendant Telephone Consoles
240-252-501	1	Attendant Equipment — Attendant Direct Station Selection — Operation Test	240-255-204	1	Installation and Connection of J1H013E Frame to an Operating Switch Unit
240-253-501	4	Trouble Locating Procedure for Failure Cured by Grand Slam Using 131A Test Set	240-256-202	3	Attendant Equipment — Attendant Direct Station Selection — Installation and Connection
240-253-502	3	Trouble Locating Procedure for Failures Resulting in a Scanner Switch Using 131A Test Set	240-258-201	3	Miscellaneous Equipment — Identification, Installation, and Connections
240-253-503	4	Trouble Locating Procedure for Failure Detected by Time Division Control Disable Using 131A Test Set	240-259-201	4	Tests and Inspections at Time of Installation
240-253-504	3	Trouble Locating Procedure for Failure Detected by a Bounce Test	240-260-301	5	General Guide to Trouble Analysis
240-253-505	3	Trouble Locating Procedure for Failure Detected by a Force Off-Hook Test	240-260-302	2	131A Test Set — Application for 3A Switch Unit Testing
240-253-506	3	Trouble Locating Procedure for Failure Detected by a Group Translator Test Using 131A Test Set	Addendum	1	
240-253-507	3	Trouble Location Procedures for Failure Detected by an Immediate or Interrupted Ring Test	240-261-501	3	Manual Tests
240-253-508	3	2A — Trouble Locating Procedure for Failure Detected by a Transmission Test	240-262-501	1	Attendant Equipment — Attendant Direct Station Selection — Operation Test
240-253-509	3	Trouble Locating Procedure for Failure of Attendant Circuit — Using 131A Test Set	240-263-501	4	3A and 4A — Trouble Locating Procedure for Failure Cured by Grand Slam Using 131A Test Set
240-253-510	2	Trouble Locating Procedure for Failures Detected During 24-Hour Maintenance Using 131A Test Set	240-263-502	4	3A and 4A — Trouble-Locating Procedure for Failure Resulting in Scanner Switch Using 131A Test Set SD-1H119-01
240-253-511	3	Trouble Locating Procedure for Failure Detected by an Inter-group Switch Test Using 131A Test Set	240-263-504	3	3A or 4A — Trouble Locating Procedure for Failure Detected by a Bounce Test
240-253-512	3	Trouble Locating Procedure for Failure Detected by a Digit Trunk Test Using 131A Test Set	240-263-505	3	3A and 4A — Trouble Locating Procedure for Failure Detected by Force Off-Hook Test
			240-263-506	3	3A or 4A — Trouble Locating Procedure for Failure Detected by a Group Translator Test
			240-263-507	4	3A and 4A — Trouble-Locating Procedure for Failure Detected by an Immediate or Interrupted Ring Test Using 131A Test Set
			240-263-508	4	3A or 4A — Trouble Locating Procedure for Failure Detected by Transmission Test

Number	Issue	Subject	Number	Issue	Subject
240-263-509	4	3A or 4A — Trouble-Locating Procedure for Failure of Attendant Circuit Using 131A Test Set	240-315-801	1	2A Card Writing Unit SD-1H063 — Piece- Part Data and Replacement Procedures
240-263-510	4	3A and 4A — Trouble-Locating Procedure for Failures Detected During 24-Hour Maintenance Using 131A Test Set	240-320-501	1	Manual Maintenance Routine
240-263-511	3	Trouble Locating Procedure for Failure Detected by an Inter-group Switch Test Using 131A Test Set	240-321-501	5	Maintenance Center On-Line Timers — Test of Redundant Circuits
Addendum	1		240-323-501	6	Maintenance Center Lockout Relays — Test of Redundant Circuits
240-263-512	4	3A and 4A — Trouble Locating Procedure for Failure Detected by Digit Trunk Test — Using 131A Test Set	240-325-501	4	Maintenance Center Alarm Circuit — Test of Redundant Circuits
240-263-513	3	3A and 4A — Trouble-Locating Procedure for Failures Detected by the Synch Test Using 131A Test Set SD-1H119-01	240-327-501	3	Maintenance Center Data Control Transfer Circuit — Test of Power Diodes
<b>240-265 4A Switch Unit</b>			240-341-501	3	Twistor Store — Conditioning Procedure
240-265-201	3	Identification, Installation, Connections and Service Options	240-342-501	1	Twistor Store Failures — Test of Readout Loop
240-269-201	1	Tests and Inspections at Time of Installation	240-343-501	2	Control Unit Clock — Manual Test
240-270-101	2	Audit Procedure	240-345-501	3	Call Store — Marginal Test
240-270-301	3	General Guide to Trouble Analysis	Addendum	1	
240-271-501	1	Manual Tests	240-347-501	5	Program Store — Marginal Test
<b>240-3 101 Control Unit</b>			240-349-501	5	Line Information Store — Marginal Test
● 240-300-001	1	Business Services Engineering	240-351-301	2	Control Unit — Power Failure — Alarms and Procedures
240-300-301	5	Emergency Action Procedures	240-351-501	3	Control Unit Data Link Transfer Circuit — Test of Power Diodes
240-300-302	3	Night Coverage Procedure	240-353-501	3	Control Unit Data Transmitter — Test of the Power Diodes
240-313-301	1	Trunk Control Frame Cross Connections	240-355-301	2	Test Point Comparator Circuit SD-1H059 — Method of Operation
240-314-010	1	Procedure for Preparing Form E-5130-9 — Program Store Administrative Data	240-355-501	3	Test Point Comparator Circuit SD-1H059-01 — Tests
240-315-301	3	Twistor Store Cards — Method of Encoding and Procedure for Verification			
240-315-701	2	2-Type Card Writing Unit — Requirements and Adjusting Procedures — Piece-Part Data and Replacement Procedures			

**Division 241****General Trade Switching System****241-0 Indexes and Administrative Practices****241-1 DMS-10 Exchange Switching System**

Number	Issue	Subject
<b>241-0 Indexes and Administrative Practices</b>		
241-000-000	5	Numerical Index — Division 241 — General Trade Switching System
<b>241-1 DMS-10 Exchange Switching System</b>		
241-120-010	1	Manual Office Records — Completion Procedures — Network Administration — Digital Multiplex System-10*
241-120-011	1	Line and Number Administration — Overview — Network Administration — Digital Multiplex System-10
241-120-020	1	Translations — Network Administration Center Responsibilities — Network Administration — Digital Multiplex System-10

Number	Issue	Subject
241-120-030	1	Data Modification Operations — Methods, Procedures, and Interfaces — Network Administration — Digital Multiplex System-10
241-120-040	1	Data Management — Network Administration — Digital Multiplex System-10
241-120-050	1	Service Analysis — Guidelines and Procedures — Network Administration — Digital Multiplex System-10
241-120-060	1	Machine Capacity Management — General Description — Network Administration — Digital Multiplex System-10
241-140-005	1	Network Switching Performance Measurement Plan — Description — Network Switched Services
241-140-100	1	Routine Procedures — Digital Multiplex System-10

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## Division 250

## Operator and Traffic Service Position Systems

250-0 Indexes, Equipment Test Lists, and Documents  
Common to Traffic Service Systems

## -000 Indexes

## -001 Equipment Test Lists

## -020/030 Documents Common to Traffic Service Systems

## 250-1 Traffic Service Position System No. 1

## -100/127 Miscellaneous Features

## -131 Station Signaling and Announcement Subsystem

## -132 Common Channel Interoffice Signaling

## -142 Remote Trunk Arrangement and Position Subsystem No. 2 Features

## -145 Remote Trunk Arrangement Feature

## -146 Position Subsystem No. 2 Feature — 100C Traffic Service Position Section and Associated Equipment

## -190 Miscellaneous Features

## 250-2 Traffic Service Position System No. 1B

## 250-4 Automatic Intercept System

## 250-5 OSPS (Operator Services Position System)

## -500 General and Administrative

## -505 Installation, Growth/Degrowth, and Maintenance Procedures

## -518 Recent Change (from the OAP)

## -520 Operator's Guides

## -570 Administration

## -590 Features

## 250-6 OSPS Automated Operator Services

## -600 Automated Position

## 250-8 OSPS Training Documents

## -800 Training Documents

## 250-9 Interface Specifications and Tests

## -900 OSPS Interface Specifications

## -901/922 Miscellaneous Equipment Tests

Number	Issue	Subject
<b>250-0 Indexes, Equipment Test Lists, and Documents Common to Traffic Service Systems</b>		
<b>250-000 Indexes</b>		
250-000-000	86	Numerical Index — Division 250 — Traffic Service Systems (5-95)
250-000-005	1	Interdivisional Numeric Index — No. 1/1B
<b>250-001 Equipment Test Lists</b>		
250-001-015	6	Automatic Intercept System — Operator Services
<b>250-020/030 Documents Common to Traffic Service Systems</b>		
250-020-005	4	Network Performance Measurement Plan — Network Switched Services — Description
250-020-006	1	Network Performance Measurement Plan — Network Switched Services — Integrity Review
250-020-515	1	Software Reliability and Administration Magnetic Tapes — Network Switched Services
250-020-520	1	Portable Maintenance Equipment — Cords, Tools, and Material
250-020-521	1	Portable Maintenance Equipment — Cords, Tools, and Material — Automatic Intercept System
250-030-101	1	File Access Subsystem-1 (SD-1B264-01) — Description
250-030-102	1	File Access Subsystem — Administrative Data Link and Interface — Description
250-030-103	3	No. 2 Data Base Administration System (SD-1B307-01) (DBAS-2) — Description
Addendum	1	
250-030-301	1	Automatic Intercept Center (AIC) Data Link — No. 1 Data Base Administration System (SD-1B264-01) (DBAS-1) — Description, Diagnostic and Trouble Locating

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		<b>250-1</b>		<b>Traffic Service Position System No. 1</b>
250-030-302	1	Automatic Intercept Center (AIC) Data Link — DBAS-2 — Description, Diagnostics and Trouble Locating	<b>250-4</b>		<b>Automatic Intercept System</b>
250-030-303	1	DBAS-2 Generic 2F1 — Emergency Action Procedures	250-400-005	1	Network Performance Measurement Plan — Description
250-030-304	1	File Access Subsystem-2 (SD-1B307-01) (FAS-2) Generic 2F1 — System Initialization and Acceptance Procedures	250-400-101	3	Automatic Intercept Center No. 1A — Description
250-030-305	1	FAS-2 Generic 2F1 — Operating Procedures	Addendum	1	
250-030-306	1	DBAS-2 Generic 2F1 — Operating Procedures — RT02 Clerk Work Station	250-401-101	4	Centralized Intercept Bureau No. 1A — Description
250-030-307	1	DBAS-2 Generic 2F1 — Cathode-Ray Tube (CRT) Terminal — Operating Procedures	250-402-501	1	Trunk Transmission Tests From an Automatic Intercept Center No. 1A
250-030-313	1	DBAS-2 Generic 2DB3.1 — Emergency Action Procedures	250-402-502	3	Trunk and Position Transmission Tests — Auxiliary Service Positions 3A, 3B Centralized Intercept Bureau
250-030-314	1	DBAS-2 Generic 2DB3.1 — System Initializations and Acceptance Procedures	250-402-503	1	Trunk and Position Transmission Tests — Auxiliary Service Positions 3A, 3B Centralized Intercept Bureau Arranged With Unified Telephone Circuit
250-030-315	1	DBAS-2 Generic 2DB3.1 — Control Programs — Operating Procedures	250-403-101	1	Trunk Test Circuit — Description
250-030-316	1	DBAS-2 Generic 2DB3.1 — Clerk Input Programs — Operating Procedures	250-404-101	2	File Subsystem-1 (SD-1B171) — Automatic Intercept Center No. 1A — Description
250-030-317	1	DBAS-2 Generic 2DB3.1 — Administrative Programs — Operating Procedures	■ 250-404-102	1	File Subsystem No. 2 — Automatic Intercept Center No. 1A — Description
250-030-318	1	DBAS-2 — Peripheral Equipment — Operating Procedures	250-404-301	2	Procedures for Administering the Number Storage Files From Facilities Provided at an Automatic Intercept Center No. 1A
250-030-319	1	DBAS-2 Generic 2DB3.1 — Automatic Intercept System Update Program — Operating Procedures	Addendum	3	
250-030-320	1	DBAS-2 Generic 2DB3.1 — System Control (ROOT) Programs — Operating Procedures	250-404-303	1	File Subsystem No. 2 — Automatic Intercept Center No. 1A — Diagnostic and Maintenance Procedures
250-030-323	1	DBAS-2 Generic 2DB3.2 — Emergency Action Procedures	250-405-301	4	Automatic Intercept Center No. 1A — General Maintenance Procedures
250-030-324	1	DBAS-2 Generic 2DB3.2 — System Initialization and Acceptance Procedures	250-406-301	3	Automatic Intercept Center No. 1A — Procedures for Administering the Nongeneric Parameters
			250-407-301	3	Maintenance and Administration Center — Control and Display Panels SD-2H009- 01 — Automatic Intercept Center No. 1A — Method of Operation
			250-408-101	3	Teletypewriter Facility — Automatic Intercept Center No. 1A — Description

Number	Issue	Subject	Number	Issue	Subject
250-408-301	2	Automatic Intercept Center No. 1A — Teletypewriter Operating Procedures	250-418-502	1	Trunk and Position Transmission Tests — Auxiliary Service Position 4A Operator Number Identification Arranged With Unified Telephone Circuit
250-409-101	3	Control Complex Description — Automatic Intercept Center No. 1A	250-419-501	1	Data Link Circuit and Lamp Signal Cabinet — Test Procedures
250-410-101	1	KS-19725 Announcement System (SD- 1B174-01) — Automatic Intercept Center No. 1A — Description	250-420-101	3	Call Processing — Description
250-410-501	3	KS-19725 Announcement System —Transmission Test and Adjustment — Automatic Intercept Center No. 1A	250-421-501	3	Acceptance Tests and Periodic Evaluation Procedures — Automatic Intercept Center No. 1/Centralized Intercept Bureau
250-410-701	3	KS-19728 Reproducer — Requirements and Adjusting Procedures	Addendum	1	
250-410-801	2	KS-19728 Reproducer — Piece-Part Data and Replacement Procedures	250-422-301	3	Automatic Intercept Center No. 1A — Broadcast Warning Message Updates to Program Store Using the 2-Type Card Writer
250-411-301	1	Procedure for Recording on the Special Announcement Circuit SD-95283	250-422-501	1	Program Store Margin Tests
Addendum	2		250-422-801	1	Program Store Memory Module Removal and Replacement Procedure
250-412-301	2	Emergency Action Procedures — Automatic Intercept Center No. 1A	250-423-501	2	Call Store SD-2H005 Margin Tests — No. 1A
Addendum	1		250-423-801	1	Call Store Module Removal and Replacement Procedure
250-413-701	1	KS-20512 Disc File — Requirements and Adjusting Procedures	250-425-501	1	Procedures for Conversion of Home Automatic Intercept Center to Remote Automatic Intercept Center
250-413-801	1	KS-20512 Disc File — Piece-Part Data and Replacement Procedures	250-426-501	1	Auxiliary Service Position — 3A, 3B Operational Tests — Centralized Intercept Bureau
250-413-802	2	KS-20512 Disc File — Removal and Installation Procedures	250-427-501	1	Auxiliary Service Position 4A — Operator Number Identification — Position Diagnostic and Maintenance Procedures
Addendum	1		250-429-701	1	2-Type Card Writing Unit — Requirements and Adjusting Procedures — Automatic Intercept Center No. 1A — Piece-Part Data and Replacement Procedures
250-414-301	4	Procedures for Removal and Restoral of Equipment	250-430-501	3	Common Systems Recorded Announcement Frame — Transmission Output Level Adjustment — Automatic Intercept Center No. 1A
Addendum	2				
250-415-501	3	Office Alarm Tests			
250-416-101	2	Trunk Switching Network — Description — Automatic Intercept Center — No. 1A			
250-417-101	2	Master Scanner — Description — Automatic Intercept Center No. 1A			
250-418-501	2	Trunk and Position Transmission Tests — Auxiliary Service Position 4A Without Unified Telephone Circuit Operator Number Identification			



Number	Issue	Subject	Number	Issue	Subject
<b>250-5 OSPS (Operator Services Position System)</b>					
<b>250-500 General And Administrative</b>					
<b>Description</b>					
Ⓞ250-500-100	6.01	General Description — 5E8 Software Release IV	■ 250-506-010	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation RTRS Growth Procedures (4-95)
<b>250-505 Growth/Degrowth, and Maintenance Procedures</b>			■ 250-506-011	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation HOBIS Growth Procedures (4-95)
250-505-100	2.01	Description and Procedures 5E4 (2 Vols)	■ 250-506-012	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation HOBICV Printer Growth Procedures (4-95)
Ⓞ250-505-110	1.01	Maintenance and Growth 5E5	■ 250-506-013	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation Autoquote Datalinks and Printers Growth Procedures (4-95)
Ⓞ250-505-111	2.00	Maintenance and Growth 5E6	■ 250-506-014	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation Automated Multi-Leaf Bulletin (AMLB) Growth Procedures (4-95)
250-505-112	2.00	Operator Maintenance and Growth 5E7 Software Release	■ 250-506-015	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation BST Growth Procedures (4-95)
<b>250-506 Installation Procedures</b>			■ 250-506-016	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation VDT Growth Procedures (4-95)
<b>Growth</b>			■ 250-506-017	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation OAP Growth Procedures (4-95)
■ 250-506-001	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation OAP-2 Growth Procedures (3-95)	■ 250-506-018	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation AP Cluster Growth Procedures (4-95)
■ 250-506-002	1	5ESS Switch and 5ESS-2000 Switch OSPS Installation AABS-AP / VRCP Cluster Growth Procedures for CSG (3-95)	<b>Degrowth</b>		
■ 250-506-003	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation APS Unit Growth Procedures for CSG (3-95)	■ 250-506-101	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation OAP-2 Degrowth Procedures (4-95)
■ 250-506-004	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation APS Unit Growth Procedures (3-95)	■ 250-506-103	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation APS Unit Degrowth Procedures (4-95)
■ 250-506-005	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation Cluster Growth Procedures (3-95)	■ 250-506-104	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation MDCS Degrowth Procedures (VRCP Only) (4-95)
■ 250-506-006	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation DASC Growth Procedures (4-95)	■ 250-506-105	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation CST Degrowth Procedures (4-95)
■ 250-506-007	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation OTR Processor Interface Growth Procedures (4-95)	■ 250-506-106	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation DASC Degrowth Procedures (4-95)
■ 250-506-008	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation OTR Growth Procedures (4-95)			
■ 250-506-009	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation Security Terminal and Printer Growth (4-95)			

Number	Issue	Subject
■ 250-506-107	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation OTR Processor Interface Degrowth Procedures (4-95)
■ 250-506-108	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation OTR Printer Degrowth Procedures (4-95)
■ 250-506-109	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation Security Terminal and Printer Degrowth Procedures (4-95)
■ 250-506-110	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation RTRS Degrowth Procedures (4-95)
■ 250-506-111	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation HOBIS Degrowth Procedures (4-95)
■ 250-506-112	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation HOBIC Degrowth Procedures (4-95)
■ 250-506-113	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation Autoquote Degrowth Procedures (4-95)
■ 250-506-114	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation Automated Multi-Leaf Bulletin Degrowth Procedures (4-95)
■ 250-506-115	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation BST Degrowth Procedures (4-95)
■ 250-506-116	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation VDT Degrowth Procedures (4-95)
■ 250-506-117	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation OAP Degrowth Procedures (4-95)
<b>Tests</b>		
■ 250-506-200	1.00	5ESS Switch and 5ESS-2000 Switch OSPS Installation OAP Test Procedures (4-95)
<b>Troubleshooting</b>		
■ 250-506-300	8-94	5ESS Switch and 5ESS-2000 Switch OSPS Installation Data Link Troubleshooting Procedures (4-95)

Number	Issue	Subject
<b>250-518 Recent Change (from the OAP)</b>		
Ⓞ250-518-100	1.01	Recent Change 5E5
Ⓞ250-518-111	2.00	Recent Change 5E6
Ⓞ250-518-112	2.01	OSPS 5E7 Software Release (6-92)
Ⓞ250-518-113	2.00	OSPS Recent Change 5E8 Software Release (7-92)
<b>250-520 Operator's Guides</b>		
Ⓞ250-520-100	4.00	Directory Assistance Operator's Guide (4-92)
■Ⓞ250-520-105	6.00	Toll and Assistance Video Display Terminal Description and Operation (6-94)
Ⓞ250-520-110	4.00	Combined Services Terminal Description and Operation (6-94)
Ⓞ250-520-112	1.01	Operator Services Position System
<b>250-570 Administration</b>		
Ⓞ250-570-100	1.02	Administrative Guidelines 5E5
Ⓞ250-570-111	1.03	Administrative Guidelines 5E6
■ 250-570-112	1.00	OSPS 5E7 Release — Administrative Guidelines
250-570-113	1.00	OSPS 5E8 Software Release Administrative Guide (7-92)
250-570-113J1	1.00	OSPS 5E8 Software Release Administrative Processor Error Messages — Job Aid (7-92)
250-570-114	2.00	5ESS Switch OSPS 5E9 Software Release Administrative Guidelines (8-94)
250-570-114J1	2.00	5ESS-2000 Switch OSPS Administrative Processor 5E9(2) Software Release Error Messages
250-570-114J2	2.00	5ESS Switch OSPS Administrative Processor 5E9 Software Release Maintenance and Growth Procedures (8-94)
<b>250-590 Special Features</b>		
250-590-000	1.00	Operator Services Position System Features (5-92)
■ 250-590-027	1.00	OSPS Originating Line Screening Expansion

Number	Issue	Subject	Number	Issue	Subject
■ 250-590-030	1.00	OSPS Inclusion 10+4 Cards in Card Recognition Tables— Special Feature 98-5E-0425	250-590-224	1.00	Operator Services Position System — Terminating Code Screening, Release 3 (98-5E-0405) — Feature Description (5-92)
250-590-031	1.00	Automated Sequence Dialing Following Operator Release Special Feature 98-5E-0427 (4-92) OSPS Improved Automated Position Call Selection — Special Feature 98-5E-0430 (4-92)	250-590-225	1.00	OSPS 900 Services (98-5E-0397) Feature Description (5-92)
■ 250-590-034	1.00	OSPS Mechanical Usage Data OAP	250-590-226	1.00	OSPS Differentiation of Card Service Charges (98-5E-0399) Feature Description (5-92)
■ 250-590-035	1.00	OSPS Mechanical Usage Data OAP	250-590-227	1.00	OSPS Enhanced Cut-Through for Cards Not Honored (98-5E-0406) Feature Description(5-92)
250-590-036	1.00	Operator Services Position System — Interworking with SSP 800 (98-5E-0446) — Feature Description (8-93)	250-590-228	1.00	OSPS Purchase Limit (98-5E-0403) Feature Description (5-92)
250-590-048	1.00	More Efficiency Call Handling Zip Tone Special Feature 98-5E-2034 (7-92)	250-590-229	1.00	VMS Interface Release 4 (98-5E-0401) Feature Description (5-92)
250-590-049	1.00	Origination Line Screening Customized Market Announcements (98-5E-2036) Feature Description (5-92)	250-590-230	1.00	DIOR Rate Quotation (98-5E-0411) Feature Description (5-92)
250-590-050	1.00	Independent Company Announcement Branding Special Feature 98-5E-2-037 (7-92)	250-590-234	1.00	Operator Services Position System — Calling and Enhanced Called Number Card Geographic Restriction Description (4-93)
250-590-107	1.00	Operator Services Position System — 5E7 Software Release — Features (1-92)	250-590-242	1.00	Operator Services Position System — Recognition of Customer Provided Terminal (98-5E-0393) — Feature Description (8-93)
Appendix 1	1.00	5ESS® SW Appendix's A, B, and C OPSP 5E7 Software Release Features	250-590-243	1.00	Operator Services Position System — Directory Assistance Call Completion Enhancements — Feature Description (8-93)
250-590-108	1.00	Operator Services Position System — 5E8 Software Release — Features (7-92)	250-590-244	1.00	Operator Services Position System — Feature Group D Carrier Expansion (98-5E-0380) — Feature Description (8-93)
⊕250-590-111	2.00	Features 5E6	250-590-245	1.00	Operator Services Position System — Feature Group D Carrier Expansion (98-5E-0380) — Feature Description (8-93)
250-590-220	1.00	Operator Services Position System — Feature Group B Carrier Expansion (98-5E-0379)— Feature Description (5-92)	250-590-246	1.00	Operator Services Position System — AMA Recording of Calls from Wireless Service Providers (8-93)
250-590-221	1.00	OSPS Inward Validation Identification (98-5E0404) Feature Description (5-92)	250-590-249	1.00	Operator Services Position System — DA Custom Branding (98-5E-2056) — Feature Description (8-93)
250-590-222	1.00	OSPS Customer Defined Bill Segmentation Sequence Dialing (98-5E-0407) Feature Description (5-92)			
250-590-223	1.00	OSPS ICCV-Customer Defined Bill Segmentation (98-5E-0402) Feature Description (5-92)			

Number	Issue	Subject
■⊕250-590-300	2.00	5ESS Switch and 5ESS-2000 Switch Operator Services Position System Enhancements to DA and DACC for Wireline and Non-Wireline Users (98-5E-2057) — Feature Description (5-94)
■⊕250-590-301	1.00	5ESS Switch and 5ESS-2000 Switch Operator Services Position System — Enhanced AMA for Listing Services (98-5E-2209) — Feature Description (5-94)
⊕250-590-302	1.00	5ESS Switch and 5ESS-2000 Switch Operator Services Position System — Calling Card Screening (98-5E-2507) — Feature Description (6-94)
■⊕250-590-303	1.00	5ESS Switch and 5ESS-2000 Switch Operator Services Position System — Prepaid Overtime Coin Service (98-5E-2368) — Feature Description (5-94)
■⊕250-590-304	1.00	5ESS Switch and 5ESS-2000 Switch Operator Services Position System — Locality by ANI/Double Announcement (98-5E-2068) Feature Description (8-94)
■⊕250-590-305	1.00	5ESS Switch and 5ESS-2000 Switch Operator Services Position System — LIDB Recognition of PSDI (98-5E-2090) Feature Description (8-94)
⊕250-590-306	1	5ESS Switch and 5ESS-2000 Switch Carrier Specific Branding on Seizure for ACCS and ACTS (98-5E-2497) (9-94)
⊕250-590-307	1	5ESS Switch and 5ESS-2000 Switch OSPS FGD Direct Connect Incoming Signaling (98-5E-2480) Feature Description (9-94)
■⊕250-590-308	1	5ESS Switch and 5ESS-2000 Switch OSPS Customer-Controlled Reconnect to LS/DA (98-5E-2554) Feature Description (11-94)
250-590-309	1	5ESS Switch and 5ESS-2000 Switch OSPS BMS Query Message Enhancements (98-5E-2644) Feature Description (5-95)
250-590-310	1	5ESS Switch and 5ESS-2000 Switch OSPS 15 Digit International Numbering Plan (98-5E-2522) Feature Description (5-95)

Number	Issue	Subject
250-590-311	1	5ESS Switch and 5ESS-2000 Switch OSPS 1-Time and Charges (98-5E-2484) Feature Description (5-95)

**250-6 OSPS Automated Operator Services**

**250-600 Automated Position**

■ 250-600-200	1.02	Operator Services Position System — Automated Position — Description and Application (11/94)
■ 250-600-201	1.01	Operator Services Position System — Automated Position — Administration, Reporting, Recent Change, and Software Maintenance (11-94)
250-600-202	1.00	Operator Services Position System — Automated Position — Installation, Testing, and Equipment Maintenance(3-93)
■ 250-600-202J1	1.00	Operator Services Position System — Automated Position — Equipment Maintenance Job Aid (11-94)
250-600-203	1.02	Operator Services Position System — Automated Position — Error Messages (11-94)
■ 250-600-500	4.00	5ESS Switch and 5ESS-2000 Switch Operator Services Position System — System Description for CSG (4-95)
■ 250-600-501	4.00	5ESS Switch and 5ESS-2000 Switch Operator Services Position System — Automated Position — Administration, Reporting, Recent Change, and Software Maintenance for CSG (4-95)
■ 250-600-502	4.00	5ESS Switch and 5ESS-2000 Switch Operator Services Position System — Automated Position — Configuration and Equipment Maintenance for CSG (4-95)
■ 250-600-502J1	3.00	5ESS Switch and 5ESS-2000 Switch Operator Services Position System — Automated Position — Equipment Maintenance Job Aid for CSG (4-95)

Number	Issue	Subject
■ 250-600-503	4.00	5ESS Switch and 5ESS-2000 Switch Operator Services Position System — Automated Position — System Messages for CSG (4-95)
■ 250-600-504	2.00	5ESS Switch and 5ESS-2000 Switch Operator Services Position System — VRCP Application for CSG (4-95)
■ 250-600-505	1.00	5ESS Switch and 5ESS-2000 Switch Operator Services Position System — Automated Position — SDAP Application for CSG (4-95)
■ 250-600-506	1.00	5ESS Switch and 5ESS-2000 Switch Operator Services Position System — Automated Position — Base and Utilities Application for CSG (4-95)
■ 250-600-507	1.00	5ESS Switch and 5ESS-2000 Switch Operator Services Position System — Automated Position — Fault Isolation and Command Reference for CSG (4-95)

**250-8 OSPS Training Documents**

**250-800 OSPS Training Documents**

250-800-510	1.00	Administrative Processor User Training
250-800-560	1.00	Basic Services Terminal Operator/Attendant Job Aid (Spiral)
250-800-570	2.00	Monitoring Procedures Job Aid (6-92)

**250-9 Interface Specifications and Tests**

**250-900 OSPS Interface Specifications**

250-900-500	3.00	Operator Services Position System — Automated Charge Quotation Service — Interface Specification (8-93)
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Number	Issue	Subject
■ 250-900-505	5.00	OSPS Real-Time Rating System Interface Specification (6-94)
250-900-510	1.00	OSPS Directory Assistance System Computer
250-900-515	2.00	OSPS Automated Multileaf Bulletin
250-900-520	3.00	OSPS Force Management System Interface Specification (6-94)
250-900-525	3.00	OSPS External Operator Trouble Report Analysis System Interface Specification (6-94)
250-900-530	1.00	OSPS BST-OPC Message Format
250-900-535	3.00	OSPS Listing Services Application Call Processing Data Link Interface Specification (7-92)

**250-901/922 Miscellaneous Equipment Tests**

250-901-504	6	Trunk and Position Transmission Tests — Using Test Set SD-99382-01 — Auxiliary Service Positions (ASP) — No. 1A, 2A, 2B, 2C, 5B1, or 5C1
250-902-501	1	Operator Position Control Circuit SD- 27988-01 — Operator Telephone Set and Jack Circuit — SD-1B131-01 (5B2 or 5C2 Auxiliary Service Positions) — Tests Using Test Circuit SD-28039-01 — No. 5 Crossbar System for Automatic Call Distribution
250-902-502	1	Service Assistant Console Control SD-27989- 01 and Service Assistant Console Circuit — SD-1B132-01 for No. 5 Crossbar — Automatic Call Distribution — Tests
Addendum	1	
250-902-503	1	No. 5 Crossbar Automatic Call Distribution Phase II — Auxiliary Service Position No. 5B2 or 5C2 — Transmission Tests
250-903-100	1	5ESS Intelligent Personal Computer Interface Board (IPIB) Installation Manual
250-903-101	2	Enhanced Intelligent Personal Computer Interface Board (EPIB) Installation Manual (12-94)

Number	Issue	Subject
250-913-505	1	Trunk Concentrator Arrangement for AIC — 23-Type Operating Room Desk — Tests Using In- coming Trunk Test Set J1B037
250-920-501	4	Centralized Supervisory Console SD-95979- 01 — Operation and Transmission Test

**Division 252**

**Traffic Management Systems**

**252-0 Indexes and Sections Common to Traffic Management Systems**

-001 Equipment Test Lists (ETL)

-060 Network Design

**252-1 Traffic Data Recording and Measuring**

-100 General System Information

-178 Traffic Data Management System (TDMS)

**252-2 Service Observing**

Number	Issue	Subject
<b>252-0 Indexes and Sections Common to Traffic Management Systems</b>		
252-000-000	23	Numerical Index — Division 252 — Traffic Management Systems (5-95)

**252-001 Equipment Test Lists (ETL)**

252-001-011	16	Traffic Data Recording Equipment
252-001-012	4	Service Observing
252-001-013	4	Service Evaluation System (SES) No. 1A — Operations Support and Processors

**252-060 Network Design**

① 252-060-150	1	4A Traffic Usage Recorder — No. 1 Crossbar
① 252-060-160	1	4A Traffic Usage Recorder — Panel
① 252-060-200	1	No. 1 Portable Traffic Usage Recorder
① 252-060-210	1	No. 1 Portable Traffic Usage Recorder — Application to Switching Equipment
① 252-060-230	1	Milliammeters for Step-by-Step Office Trunk Usage
① 252-060-240	1	Automatic Dial Tone Speed Measuring Equipment

	Number	Issue	Subject
①	252-060-242	1	Electronic Dial Tone Speed Register
①	252-060-250	1	Sender Attachment Delay Recorder
①	252-060-260	1	Intertoll Group Busy Timing Registers
①	252-060-270	1	Traffic Register Camera
①	252-060-280	1	Traffic Usage Feature of Line Insulation Test Frame
①	252-060-300	1	3A/3B Traffic Usage Recorder

**252-1 Traffic Data Recording and Measuring**

**252-100 General System Information**

	252-100-101	3	Electronic Dial Tone Speed Register (EDTSR) SD-3B504-01 — Description
①	252-100-111	1	Electronic Dial Tone Speed Register Unit — General Description
	252-100-301	4	Electronic Dial Tone Speed Register (EDTSR) — Tests and Trouble Locating Procedures
	Addendum	1	
	252-101-501	4	Dial Tone Speed Register and Dial Tone Speed Indicating Circuits — Tests
	252-102-501	2	Administration Cabinet Circuit SD-99400-01 — Tests
	Addendum	1	
	252-112-301	2	Traffic Data Converter SD-95968-01 — Method of Locating Trouble — No. 1A
	252-112-501	5	Traffic Data Converter SD-95968-01 — Tests — Using Traffic Data Converter Test Set SD-99313-01 (J94734) — Traffic Data Recording System No. 1A

**Traffic Data Recording and Measuring**

	252-120-301	2	No. 3B Traffic Usage Recorder Circuit — Method of Locating Trouble
	252-120-501	3	3B Traffic Usage Recorder SD-99359-01 — Miscellaneous Tests
	252-120-502	2	3B Traffic Usage Recorder (TUR) SD-99359-01 — Tests — Using TUR Connection Verifier Test Set H-400-430

Number	Issue	Subject	Number	Issue	Subject
252-121-301	1	Measurement of Traffic Usage — Using No. 1 Portable Traffic Usage Recorder — SD-96494-01	252-129-301	1	Traffic Measurement System No. 1A — Trouble Sectionalizing
252-121-501	1	No. 1 Portable Traffic Usage Recorder — SD-96494-01 — Miscellaneous Tests	252-129-302	1	Traffic Measurement System No. 1A — KS-20191 Central Control Unit — Trouble Locating
● 252-122-105	1	4A Traffic Usage Recorder — General Description	252-129-501	3	Central Control Unit KS-20191 — Tests — Traffic Measurement System No. 1A
252-122-301	2	Traffic Usage Recorder SD-95738-01 — Cross-Connection and Assignment Data Forms	252-129-502	1	Remote Scanner and Encoder (Portable) SD-3B200-01 — Tests — Traffic Measurement System No. 1A
252-122-302	1	4A Traffic Usage Recorder Circuit — Method of Locating Trouble	252-129-503	1	Remote Scanner, Encoder, and Transmitter (Frame Mounted) SD-3B201-01 — Tests — Traffic Measurement System No. 1A
Addendum	1		252-131-501	4	Answering Time Recorder (ATR) — Permanent Type SD-96235-01 Equipped With Traffic Weighting Applique (TWA) — Tests
252-122-501	5	Traffic Usage Recorder (TUR) SD-95738-01 and Optional Auxiliary Scanner Unit (Fast Scan Unit) — Tests	252-131-502	2	Answering Time Recorder — Relay Rack Type — SD-96001-01, SD-96100-01, and SD-96235-01 — Test
252-122-502	4	No. 4A Traffic Usage Recorder (TUR) SD-95738-01 and Auxiliary Scanner Unit (Fast Scan Unit) — Continuity Checks, Verification of Assignments, and Checks of Cross-Connections	252-131-503	2	Answering Time Recorder — SD-96235-01, SD-96192-01, or SD-96001-01 — Portable or Relay Rack Type — Tests
252-122-503	5	No. 4A Traffic Usage Recorder (TUR) SD-95738-01 — Performance Tests	252-131-504	2	Answering Time Recorder — SD-96176-01 or SD-96011-01 Used with Multi-Line Service Observing Circuits — Tests
252-123-501	1	Traffic Registers — Traffic Usage Recorders 2A, 3A, and 3B — Tests	252-131-505	4	Answering Time Recorder — Portable Type, SD-96275-01 Equipped With Traffic Weighting Applique SD-96497-01 — Tests
252-124-301	2	TUR Connection Verifier Test Set H-400-430 — Method of Operation	252-131-506	2	Answering Time Recorder — SD-96275-01, SD-96175-01, or SD-96070-01 — Portable Type — Tests
252-124-302	1	TUR Connection Verifier Test Set H-400-430 — Performance of Assigned Functions and Circuit Pack Replacement and Adjustment Procedures	252-131-507	2	Answering Time Recorder SD-96532-01 Equipped with Traffic Weighting Applique Portable Type Modified for Relay Rack Mounting — Tests
252-125-501	2	2A Concentrator Traffic Usage Recorder (CTUR) — 3A Small Traffic Usage Recorder (STUR) — Miscellaneous Tests	252-132-301	2	No. 1B SD-90264-01 and No. 1C SD-96114-01 — Holding Time Recorders — Operating Methods
252-126-301	1	Measurement of Trunk Usage Using Traffic Measuring Set, Type "A" — RS-14719	252-132-501	3	No. 1B SD-90264-01 and No. 1C SD-96114-01 — Holding Time Recorders — Tests
252-127-301	1	Measurement of Trunk Usage Using Traffic Measuring Set, Type "B" — RS-14723			
252-129-100	2	Traffic Measurement System No. 1A — Description			



Number	Issue	Subject	Number	Issue	Subject
252-133-501	1	Traffic Information Gathering Circuit for Use with No. 5 Crossbar Office — Arranged for Automatic Call Distribution — Tests	252-177-101	1	Force Administration Data System (FADS) — When Used With Cord Switchboards — General Description
252-135-301	2	KS-15947 Totalizer Circuit — Method of Locating Trouble	252-177-501	3	Force Administration Data System (FADS) — When Used With Cord Switchboards — Tests
252-135-501	7	KS-15947 Totalizer Circuit SD-95965-01 — Tests Using KS-15946 Test Set SD-96568-01	<b>252-178 Traffic Data Management System (TDMS)</b>		
252-136-501	1	Auxiliary Summing Circuit — Tests	<b>TDMS for Domestic</b>		
252-137-301	3	Switchboard Totalizer Interface Circuit SD-3B209-01 — Method of Setting Timers	■ 252-178-010	1.1	TDMS Network Administrator's Guide
252-138-501	2	Totalizer Peg Count and Optional Individual Position Peg Count Circuits — Tests From No. 1-, 3-, and 5-Type Cord Switchboards	<b>TDMS for Teleway - Japan</b>		
252-139-101	1	Current to Peg Count Converter Unit — Description and Installation	■ 252-178-201	1	TDMS Network Administrator's Guide
252-140-101	2	Common Systems for 405-Type Data Set — SD-1C451-01 — Description	■ 252-178-202	1	TDMS Designer Guide
252-140-501	1	Interface Circuit for Use Between 405-Type Data Sets and Message Registers in Remote Register Operation SD-1C451-01 — Verification Procedures	■ 252-178-203	1	TDMS Administration
252-174-101	1	Remotely Accessible Data (READ) Terminal — No. 1A SD-3B214-01 — Description	■ 252-178-204	1	TDMS Error Help Messages
252-174-501	2	Remotely Accessible Data Terminal (READ) SD-3B214-01 — Local Tests and Trouble Locating Procedures	<b>TDMS for Taiwan</b>		
252-175-101	1	Force Administration Data System (FADS) When Used With No. 23-Type Operating Room Desk — General Description	■ 252-178-211	1	TDMS Network Administrator's Guide (Taiwan)
252-175-501	2	Force Administration Data System (FADS) When Used With the No. 23-Type Operating Room Desks — Tests	■ 252-178-212	1	TDMS Designer Guide (Taiwan)
252-176-101	2	Force Administration Data System (FADS) Used With No. 5 Crossbar Office — Arranged for Automatic Call Distribution (ACD) — Description	■ 252-178-213	1	TDMS Administration (Taiwan)
252-176-501	1	Force Administration Data System (FADS) — Used With No. 5 Crossbar — Automatic Call Distributor — Tests	■ 252-178-214	1	TDMS Error Help Messages (Taiwan)
			<b>252-2 Service Observing</b>		
			Addendum	1	
			252-200-301	2	Method of Connecting Circuits for Observation
			252-201-502	3	Service Observing Circuit for Observing on AMA DDD Outgoing Traffic in No. 1 ESS™ Office — Tests — No. 12 or Modified No. 7 Service Observing Desk
			252-202-501	3	Service Observing Circuit for Observing on Traffic in No. 5 Crossbar Office Arranged for Automatic Call Distribution — Tests — No. 12 or Modified No. 7 Service Observing Desk
			252-202-502	1	Circuit SD-26186-01 Used in No. 5 Crossbar Offices — Tests — No. 7 Modified or No. 12 Service Observing Desk

Number	Issue	Subject	Number	Issue	Subject
252-202-503	1	AMA and CAMA Service Observing Circuits for No. 5 Crossbar Offices — Transmission Tests — No. 12 or Modified No. 7 Service Observing Desk	252-221-501	2	Position, Telephone, and Receiving Circuits — Tests — No. 12 or Modified No. 7 Service Observing Desk
Addendum	1		252-221-502	3	Position Circuit — Transmission Tests — No. 12 and Modified No. 7 Observing Desks
252-203-503	1	CAMA Service Observing Circuits in Crossbar Tandem Offices — Transmission Tests — No. 12 and Modified No. 7 Service Observing Desks	Addendum	1	
252-203-504	1	Service Observing Circuit for Crossbar Tandem CAMA Incoming Trunks and Associated Pulse Monitor and Converter Circuits — Tests — No. 7 or 12 Service Observing Desks	252-224-501	1	Cord Service Observing Circuit and Associated DC-MF Pulse Converter and DC Signal Monitoring Circuits for Positions Arranged for Key pulsing Tests — No. 12 or Modified No. 7 Service Observing Desks
252-203-505	1	Service Observing Circuit for Incoming Trunks to Traffic Service Position No. 100A and Associated Pulse Converter Circuit — Tests — Crossbar Tandem Offices — No. 12 or Modified No. 7 Service Observing Desks	252-224-502	1	Cord Service Observing Circuits and Associated Dial to MF Pulse Converters — Dial Pulse Monitoring — and DC Signal Monitoring Circuits for Positions Arranged for Dialing — Tests — No. 12 or Modified No. 7 Service Observing Desks
252-203-506	1	Service Observing Circuit for Incoming Trunks to Traffic Service Position No. 100A — Crossbar Tandem Offices — Transmission Tests — No. 7 Modified or No. 12 Observing Desks	252-224-503	1	Cord Service Observing Circuits — No. 1 and 3 Toll Switchboards and No. 13, 14, and 15 DSA Switchboards — Transmission Tests — No. 12 and Modified No. 7 Service Observing Desks
Addendum	1		252-224-504	1	Service Observing Circuit for Cord Circuits of No. 6A Teletypewriter Switchboard — Tests — No. 12 or Modified No. 7 Service Observing Desk
252-205-502	1	CAMA Service Observing Circuits for Step-by-Step Offices — Transmission Tests — No. 12 or Modified No. 7 Service Observing Desk	252-225-501	3	Distribution and Signal Receiving Circuit and Position Signal Translation Circuit — Tests — No. 7 Modified or No. 12 Service Observing Desk
252-206-501	1	Service Observing Circuit SD-26186-01 for Observing on Line Link Pulsing Line Circuits — No. 1 Crossbar Offices — Tests — No. 7 Modified or No. 12 Service Observing Desk	Addendum	1	
252-210-501	4	Traffic Service Position System No. 1 — Tests — No. 12 or Modified No. 7 Service Observing Desks	252-226-501	1	KS-19717 Tape Printer and Printer and Control Circuit — Tests — No. 7 Modified or No. 12 Service Observing Desk
252-211-501	2	Service Observing Circuit Tests for Automatic Intercept Center No. 1A — Automatic Intercept System — No. 12 or Modified No. 7 Service Observing Desk	252-230-301	4	Service Observing Sets No. 7A and 7B — Connections and Operation
			252-231-501	1	Position Circuit — Teletypewriter Auxiliary Desk Tests
			252-232-301	2	Special Studies Set No. 1A — Connection and Operation

Number	Issue	Subject	Number	Issue	Subject
▲252-240-500	1	Service Evaluation System No. 1A — Overall System	252-245-502	2	Circuit SD-68401-01 Used for Incoming Intertoll Observing in No. 4A and 4M Switching Systems — Signal Converter/Allotter Interface — Tests — Service Evaluation System No. 1A
252-241-101	4	Service Evaluation Center — Description — Service Evaluation System No. 1A	252-245-503	1	Service Observing Circuit SD-95604-01 Used for Incoming Intertoll Observing in No. 5 Crossbar Office — Signal Converter/Allotter Interface — Tests — Service Evaluation System No. 1A
252-241-102	2	Service Evaluation Center — Call Distributor Circuit — Description — Service Evaluation System No. 1A	252-245-504	1	Service Observing Circuit SD-95604-01 Used for Incoming Intertoll Observing in Step-by-Step Office — Signal Converter/Allotter Interface — Tests — Service Evaluation System No. 1A
252-241-103	2	Service Evaluation Center — Data and Maintenance Circuit — Description — Service Evaluation System No. 1A	252-245-511	2	Circuit SD-95563-01 for Observing Speed-of-Answer on Incoming Calls to Toll Switchboards, DSA Switchboards, Operating Room Desks, and Information Desks — Signal Converter/Allotter Interface Tests — Service Evaluation System No. 1A
252-241-105	2	Trouble Identification Guide — Service Evaluation System No. 1A	252-245-521	2	Cord Service Observing Circuits SD-56225- 01 and SD-56316-01 for No. 3, 3C, and 3CL Toll Switchboards with Positions Arranged for Key pulsing — Signal Converter/Allotter Interface — Tests — Service Evaluation System No. 1A
▲252-241-500	2	Service Evaluation Center/Bureau — Service Evaluation System No. 1A — (Generic 1ASE4 and Earlier)	252-245-522	1	Cord Service Observing Circuits SD-56254- 01 and SD-56298-01 for No. 1 Toll Switchboards With Positions Arranged for Key pulsing — Signal Converter/Allotter Interface — Tests — Service Evaluation System No. 1A
252-242-101	2	Signal Converter and Allotter — Description — Service Evaluation System No. 1A	252-245-523	1	Cord Service Observing Circuit SD-95564- 01 for No. 13 and No. 15 DSA Switchboards With Positions Arranged for Key pulsing — Signal Converter/Allotter Interface — Tests — Service Evaluation System No. 1A
252-242-102	1	Signal Converter/Allotter — Test Set — Description — Service Evaluation System No. 1A			
▲252-242-500	2	Signal Converter/Allotter (SC/A) — Service Evaluation System No. 1A			
▲252-242-550	1	Service Evaluation System No. 1A — Signal Converter/Allotter (SC/A) to Service Evaluation Center Interface			
▲252-243-500	1	Service Evaluation System No. 1A — Traffic Service Position System to Service — Evaluation Center Interface			
▲252-243-550	1	Service Evaluation System No. 1A — Automatic Intercept System to Service — Evaluation Center Interface			
▲252-244-500	1	Service Evaluation System No. 1A — No. 4 Electronic Switching System to Service Evaluation Center Interface			
252-245-501	1	Service Observing Circuit SD-27012-01 Used for Incoming Intertoll Observing in Crossbar Tandem Office — Signal Converter/Allotter Interface — Tests — Service Evaluation System No. 1A			

Number	Issue	Subject	Number	Issue	Subject
252-245-524	1	Cord Service Observing Circuit SD-56296- 01 for No. 1 Toll Switchboards With Positions Arranged for Dialing — Signal Converter/Allotter Interface — Tests — Service Evaluation System No. 1A	252-245-541	1	Service Observing Circuit SD-3B008-01 Used in No. 5 Crossbar Offices — Arranged for Automatic Call Distribution — Signal Converter/Allotter Interface — Tests — Service Evaluation System No. 1A
252-245-525	1	Cord Service Observing Circuit SD-56295- 01 for No. 3, 3C, and 3CL Toll Switchboards With Positions Arranged for Dialing — Signal Converter/Allotter Interface — Tests — Service Evaluation System No. 1A	252-245-551	2	Circuit — Service Evaluation Control and Interface Circuit SD-3B025-01 and Service Observing Gate and Signal Transmitter Circuit SD-3B003-01 — Traffic Service Position System No. 1 — Tests — Service Evaluation System No. 1A
252-245-526	1	Cord Service Observing Circuit SD-95605- 01 for No. 13 and No. 15 DSA Switchboards With Positions Arranged for Dial Pulsing — Signal Converter/Allotter Interface — Tests — Service Evaluation System No. 1A	252-245-552	2	Circuit — Service Evaluation Control and Interface Circuit SD-3B025-01 and Service Observing Gate and Signal Transmitter Circuit SD-3B003-01 — Automatic Intercept System No. 1A — Tests — Service Evaluation System No. 1A
252-245-531	1	Circuit SD-90647-01 Used in No. 5 Crossbar Offices — Signal Converter/Allotter Interface — Tests — Service Evaluation System No. 1A	252-246-501	1	Service Observing Circuit SD-90647-01 — Used in No. 5 Crossbar Offices — Test and Alignment Procedures
252-245-532	1	Service Observing Circuit SD-90647-01 Used in Step-by-Step Offices — Signal Converter/Allotter Interface — Tests — Service Evaluation System No. 1A	252-246-502	1	Service Observing Circuit SD-90647-01 — Used in Step-by-Step Offices — Test and Alignment Procedures
252-245-534	1	Circuit SD-90647-01 Used in No. 1 Crossbar Offices — Signal Converter/Allotter Interface — Tests — Service Evaluation System No. 1A	252-246-503	1	Service Observing Circuit SD-90647-01 — Used in No. 1 Crossbar Offices — Test and Alignment Procedures
252-245-536	1	Circuit SD-96553-01 Used in No. 2 Electronic Switching System Offices — Signal Converter/Allotter Interface — Tests — Service Evaluation System No. 1A	Addendum	1	
252-245-537	1	Circuit SD-1A142-01 Used in No. 1 Electronic Switching System Offices — Signal Converter/Allotter Interface — Tests — Service Evaluation System No. 1A	252-246-504	1	Service Observing Circuit SD-1A142-01 — Used in No. 1 Electronic Switching System Offices — Test and Alignment Procedures
			252-246-505	2	Service Observing Circuit SD-96553-01 Used in No. 2 Electronic Switching System Offices — Tests and Alignment Procedures
			252-246-506	1	Service Observing Circuit SD-56316-01 — Used in Cord Switchboard Offices — Test and Alignment Procedures

Number	Issue	Subject
252-246-507	1	Service Observing Circuit SD-68401-01 — Used for Incoming Intertoll Observing in No. 4A and 4M Toll Switching System Offices — Test and Assignment Procedures
252-246-508	1	Service Observing Circuit SD-95604-01 — Used for Incoming Intertoll Observing in No. 5 Crossbar Intertoll Switching System Offices — Test and Alignment Procedures
252-246-509	1	Service Observing Circuit SD-95563-01 — Used for Observing Speed-of-Answer on Incoming Calls to Toll Switchboards, DSA Switchboards, Operating Room Desks, and Information Desks — Test and Alignment Procedures
252-246-510	1	Service Observing Circuit SD-3B008-01 — Used for Observing Incoming Calls to No. 5 Crossbar ACD Offices — Test and Alignment Procedures
252-246-511	1	Service Observing Circuit SD-27012-01 — Used for Incoming Intertoll Observing in Crossbar Tandem Offices — Test and Alignment Procedures
▲252-247-500	1	Service Evaluation System No. 1A — Mecca Terminal to Service — Evaluation Center Interface
▲252-248-500	1	Service Evaluation Center Interface — Service Evaluation System No. 1A (Generic 1ASE4)

**Division 254**

**Stored Program Control**

**254-0 Index and Equipment Test Lists**

-099 Customer Information Releases (CIRs)

**254-1 Stored Program Control No. 1A (ETS and TSPS No. 1)**

**254-2 1A Processor (1A ESS™ and 4ESS™ Switches)**

-200 Description, Reference Handbook, and Program Applications

-201 1A Processor (Equipment)

-251 Task Oriented Practices

-280 Software Description

**254-3 3A Processor and 3B20D Computers**

-300 3A Processor (Common Systems)

-301 3B20D Computer (Model 1)

-302 3B20D Computer (Models 2 and 3)

-340 3A Processor Software Documentation

-341 3B20D Computer Software Documentation

**254-4 PC Image Director**

Number Issue Subject

**254-0 Index and Equipment Test Lists**

254-000-000	80	Numerical Index — Division 254 — Stored Program Control (2-95)
254-001-011	2	1A Processor
■ 254-001-011AC	2	1A Processor
254-001-012	4	AT&T 3B20D Model 1 Computer
■ 254-001-012AC	2	AT&T 3B20D Model 1 Computer
254-001-013	3	AT&T 3B20D Model 2 Computer
■ 254-001-013AC	2	AT&T 3B20D Model 2 Computer
254-001-014	2	AT&T 3B20D Model 3 Computer
■ 254-001-014AC	1	AT&T 3B20D Model 3 Computer

**254-099 Customer Information Releases (CIRs)**

254-099-003MG	1	TOP (Task Oriented Practice) Instruction for "Powering Down" the AT&T Computer (Processor) — Switching Systems
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Number	Issue	Subject
<b>254-1 Stored Program Control No. 1A (ETS and TSPS No. 1)</b>		
254-100-101	4	Processor — Description
254-101-101	3	Piggyback Twistor Store — Description
254-101-102	2	Piggyback Twistor Memory — Description
254-101-103	2	Semiconductor IGFET Store — Description
Addendum	2	
254-101-301	4	PBT Store Trouble-Locating Procedure
Addendum	3	
254-101-302	2	Semiconductor IGFET Store Analysis and Trouble Locating Procedure
254-101-501	3	PBT Store Circuit — Test Using Store Test Set SD-1C281-01
254-101-801	1	Activation of Store Unit Spare Bit Wire Pairs
254-102-101	2	Central Pulse Distributor — Description
254-103-101	3	Master Scanner — Description
254-104-101	3	Signal Distributor — Description
254-105-101	2	Maintenance Teletypewriter — Description
254-105-301	3	Maintenance Teletypewriter Operating Procedures
■ 254-106-301	7	Central and Display Panel — Method of Operation
254-107-101	3	Program Tape Unit SD-1C108-01 — Description
254-107-102	2	Program Tape Unit SD-1C396-01 — Description
254-107-301	5	Program Tape Unit SD-1C108-01 — Operations
254-107-302	3	Procedures for Analysis of Program Tape Unit SD-1C108-01
254-107-303	2	Program Tape Unit SD-1C396-01 — Operations
■ 254-107-304	2	Procedures for Analysis of Program Tape Unit SD-1C396-01
254-107-501	3	Program Tape Unit SD-1C108-01 — Equipped With KS-19829 Recorder — Test Using Recorder Control Test Set SD-1C277-01
■ 254-108-101	2	Program Organization Description

Number	Issue	Subject	Number	Issue	Subject
■ 254-109-101	2	Processor Program Instructions	254-201-014	3	Call Store/Program Store — (256K Semiconductor Store) J5A010A — Description
Addendum	1				
■ 254-110-301	4	Off-Line Operation	254-201-015	1	Call Store/Program Store (256K Semiconductor Store) J5A010A — Theory
Addendum	1				
254-112-101	4	Communication Bus Circuit — Description	254-201-020	2	File Store Frame (J5A004) and Stand Alone Disk Cart — Description
Addendum	1				
■ 254-113-301	3	Standby Store Bus-Freeze Feature — Method of Operation and Procedures	▲254-201-021	2	File Store Frame (J5A004) and Stand Alone Disk Cart — Theory
■ 254-114-301	2	Processor Emergency Recovery Circuit — Method of Operation Including Self-Test and G-Level Matcher Procedures	▲254-201-022	3	J5A006D-1 Input/Output Processor Frame — 1A Processor
			254-201-030	5	Central Control Frame J5A005A/B — Description
			254-201-031	3	Central Control Frame J5A005A/B — Theory
			254-201-034	2	Portable Recovery Test Set J5A011 — Description
			254-201-035	2	Portable Recovery Test Set J5A011 — Theory
			254-201-036	2	Portable Recovery Test Set J5A011 — Operation
			254-201-040	2	Input/Output Frame — Description
			254-201-041	2	Input/Output Frame — Theory
			254-201-042	2	Input/Output Processor Frame — Description
			254-201-043	1	IO Processor Frame — J5A006C-1 — Theory
			■ Addendum	1	
			254-201-044	3	Input/Output Processor Frame J5A006D-1 — Description
			■ Addendum	1	
			254-201-045	3	Input/Output Processor Frame J5A006D-1 — Theory 1A Processor
			254-201-060	4	Processor Peripheral Interface Frame and Control and Display Panels — Description
			254-201-070	2	Power Conversion and Distribution Frame — J5A007B-1
			254-201-071	2	Power Conversion and Distribution Frame — J5A007B-1
			254-201-072	2	Power Conversion and Distribution Frame J5A007C-1 — Description
			254-201-073	1	Cost Reduced Power Conversion and Distribution Frame — Theory

**254-2 1A Processor (1A ESS™ and 4ESS™ Switches)**

**254-200 Description, Reference Handbook, and Program Applications**

254-200-001	9	General Description
■ 254-200-100	9	4AP<12> — Maintenance Reference Handbook — Attached Processor System (APS) — 4ESS Switch Application (3 Vols.) (1-94)
254-200-205	3	Diagnostic Program Applications — Description
254-200-210	4	Generic Utility Program Applications — Description
Addendum	1	
254-200-215	1	Error Analysis Program and Error Analysis Library Program Applications — Description

**254-201 1A Processor (Equipment)**

254-201-000	3	Auxiliary Data System — Description
254-201-001	2	Auxiliary Data System — Theory
254-201-002	4	Attached Processor Interface Frame J5A012A-1 — Description
254-201-003	1	Attach Processor Interface Frame J5A012A-1 — Theory
254-201-012	1	Call Store/Program Store (1400 NSEC Semiconductor Store) J5A008A — Description
254-201-013	1	Call Store/Program Store (1400 NSEC Semiconductor Store) J5A008A — Theory

Number	Issue	Subject
<b>254-251/253 Task Oriented Practices</b>		
▲254-251-001	6	Central Control Frame — 1A Processor (12-91)
▲254-251-003	2	1A Processor — TTY Message Analysis
▲254-251-005	7	1A Processor Call Store/Program Store (9-93)
▲Addendum	1	
▲254-251-010	6	Auxiliary Data System 1A Processor
▲Addendum	3	
▲254-251-015	5	1A Processor File Store
▲254-251-016	3	Attached Processor Interface Frame — 1A Processor
▲254-251-020	6	Input/Output Frame — 1A Processor — J5A006A-1
▲▲254-251-021	2	Input/Output Processor Frame — 1A Processor — J5A006C-1
▲254-251-022	3	Input/Output Processor Frame — J5A006D-1
▲254-251-025	4	Power Conversion and Distribution Frame — J5A007B-1
▲254-251-026	1	Power Conversion and Distribution Frame — 1A Processor — J5A007C
▲254-251-100	1	Portable Recovery Test Set — 1A Processor

**254-280 Software Description**

Addendum	1	
■ 254-280-010	2	Datapool Documents
■ 254-280-020	2	Assembly Language
■ 254-280-030	3	Program Listing
■ 254-280-040	4	Diagnostic Language — DL-1 — Software Description
■ 254-280-102	1	Write Protect Programs
Addendum	3	
■ 254-280-110	1	File Store Administration Program
■ 254-280-111	5	Input/Output Programs
Addendum	3	
■ 254-280-112	1	Auxiliary Data System Operational Programs
■ 254-280-114	1	Attached Processor Interface Programs — 1A Processor

Number	Issue	Subject
Addendum	2	
■ 254-280-210	2	Maintenance Control Program
Addendum	3	
■ 254-280-211	1	Paging Program
Addendum	3	
■ 254-280-212	1	Master Control Console Common Control and Monitor Program
Addendum	3	
■ 254-280-213	1	Library Control Program
Addendum	1	
■ 254-280-214	3	Library Programs
Addendum	1	
■ 254-280-220	3	Diagnostic Programs
Addendum	3	
■ 254-280-230	1	Diagnostic Results Post-Processing Program
Addendum	1	
■ 254-280-250	2	Generic Utility Program (GULP)
Addendum	3	
■ 254-280-260	1	Audit Programs
■ 254-280-270	4	System Update Program
■ 254-280-310	5	Fault Recovery Programs
Addendum	2	
■ 254-280-320	1	Error Analysis Program

**254-3 3A Processor and 3B20D Computers**

**254-300 3A Processor (Common Systems)**

254-300-100	1	Description
254-300-110	1	3A Central Control — Description
254-300-120	1	Central Control (3A CC) — Theory of Operation
254-300-130	1	Input/Output Interfaces — Description and Theory of Operation
254-300-140	1	Power System — Description and Theory of Operation
254-300-150	1	Main and Supplemental Stores — Description and Theory of Operation
254-300-160	1	Maintenance Frame — Description and Theory of Operation
254-300-170	1	Tape Data Controller — Description and Theory



Number	Issue	Subject	Number	Issue	Subject
254-300-180	2	System Status Panel, System Status Panel Controller, and System Status Panel Relay Unit — Description and Theory of Operation	254-301-811	5	Common Systems — (DMERT Generic 1 and 2) (UNIX®* RTR System Release 1) (12-93)
254-300-190	1	Teletypewriter and Teletypewriter Controller — Description and Theory of Operation	▲254-301-812	2	Control Unit Trouble Clearing
254-300-200	1	Programmed Magnetic Tape System — Description and Theory of Operation	254-301-813	1	Peripheral Equipment — Trouble Clearing
Addendum	1		254-301-816	3	Common Systems — Growth and Retrofit
254-300-301	1	Maintenance Data	254-301-821	1	300-Megabyte Moving Head Disk Drive — KS-22072, L1 — Preventive Maintenance
<b>254-301 3B20D Computer (Model 1)</b>			■ 254-301-821AC	1	CDC 300-Megabyte Moving Head Disk Drive — KS-22072, L1 — Preventive Maintenance
254-301-005	4	General Description	254-301-822	1	300-Megabyte Moving Head Disk Drive — KS-22072, L2 — Preventive Maintenance
254-301-010	3	Central Control — Description and Theory of Operation	■ 254-301-822AC	1	CDS 300-Megabyte Moving Head Disk Drive — KS-22072, L2 — Preventive Maintenance
254-301-020	5	Power Systems — Description and Theory of Operation	254-301-825	1	DMERT Generic 2 to UNIX
254-301-100	4	Input/Output Interfaces — Description and Theory of Operation	<b>254-302 3B20D Computers (Models 2 and 3)</b>		
254-301-105	2	Input/Output Processor — Description and Theory of Operation	254-302-005	6	General Description
254-301-110	5	AT&T 3B20D Model 1 Computer — Input/Output Processor Peripheral Controllers — Description and Theory of Operation of Operation	254-302-010	2	Central Control — Description and Theory of Operation
254-301-115	4	Teletypewriter/Printer System — Description	254-302-020	5	Power Systems — Description and Theory of Operation
254-301-200	4	Main Store — Description and Theory of Operation	254-302-100	3	Input/Output Interfaces — Description and Theory of Operation
254-301-210	3	Moving Head Disk Drive — General Description	Addendum	1	
254-301-215	4	Disk File Controller — Description and Theory of Operation	■ 254-302-105	1	Input-Output Processor — Description and Theory of Operation
254-301-220	2	Magnetic Tape System — General Description	Addendum	1	
254-301-800	3	Emergency Action Facilities — Description	254-302-110	2	Input/Output Processor Peripheral Controllers — Description and Theory of Operation
254-301-809	1	Acceptance Test Plan — Description	254-302-115	5	Teletypewriter/Printer System — Description
254-301-810	2	Test Equipment	254-302-200	4	Main Store — Description and Theory of Operation
			254-302-210	1	300-Megabyte Moving Head Disk Drives — General Description — Model 2

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Number	Issue	Subject	Number	Issue	Subject
Addendum	1		■ 254-302-824AC	1	300-Megabyte Moving Head Disk Drive — KS-22707, L2 — Preventive Maintenance — 3B20D Model 2 Processor
254-302-211	1	160-Megabyte Disk Drive — General Description — Model 2	254-302-825	1	DMERT Generic 2 to UNIX RTR Release 1 — Retrofit Procedures
254-302-212	2	340-Megabyte Disk Drive — General Description	254-302-826	1	Retrofitting UNIX RTR Rel. 1 to Rel. 6.4
254-302-213	3	General Description — Small Computer System Interface Disk Unit Package	▲Addendum	3	
■ 254-302-215	4	Disk File Controller — Description and Theory of Operation	▲254-302-830	4	Common Systems — Acceptance Tasks (PDS Formats)
254-302-216	2	Description and Theory of Operation — Small Computer System Interface — Disk File Controller	▲254-302-831	7	AT&T 3B20D Model 2 and Model 3 Computer — Common Systems — Routine Tasks (PDS Formats) (1-94)
254-302-220	1	Magnetic Tape System — General Description	▲Revision 4	6/94	
254-302-221	1	Magnetic Tape System KS-23113 — General Description	▲254-302-832	1	AT&T 3B20 Model 2 and Model 3 Computer — Common Systems — Trouble Clearing — (PDS Formats) (4ESS)
254-302-800	2	Emergency Action Facilities — Description	254-302-837	5	Common Systems — Growth and Retrofit
254-302-809	1	Acceptance Test Plan — Description	▲Addendum	2	
254-302-810	1	Test Equipment — Description	▲254-302-840	4	Common Systems — Acceptance Tasks (MML Formats)
Addendum	1		▲ 254-302-841	7	AT&T 3B20D Model 2 and Model 3 Computer — Common Systems — Routine Tasks (MML Formats) (4-93)
254-302-821	1	300-Megabyte Moving Head Disk Drive — KS-22072, L1 — Preventive Maintenance — Model 2	▲Revision 4	6/94	
■ 254-302-821AC	1	300-Megabyte Moving Head Disk Drive — KS-22072, L1 — Preventive Maintenance — 3B20D Model 2 Processor	▲254-302-842	1	AT&T 3B20D Model 2 and Model 3 Computer — Common Systems — Trouble Clearing (MML Formats) (5ESS)
254-302-822	1	300-Megabyte Moving Head Disk Drive — KS-22072, L2 — Preventive Maintenance — Model 2	<b>254-340 3A Processor Software Documentation</b>		
■ 254-302-822AC	1	300-Megabyte Moving Head Disk Drive — KS-22072, L2 — Preventive Maintenance — 3B20D Model 2 Processor	■ 254-340-001	1	Extended Operating System (EOS) — Overview — Description — Extended Operating System Memory Protection and Organization — Description — Extended Operating System
254-302-823	1	300-Megabyte Moving Head Disk Drive — KS-22707, L1 — Preventive Maintenance — Model 2	■ 254-340-030	2	Processor/Process Management — Creation, Event, and Communication Control, Description — Extended Operating System
■ 254-302-823AC	1	300-Megabyte Moving Head Disk Drive — KS-22707, L1 — Preventive Maintenance — 3B20D Model 2 Processor	■ 254-340-031	2	Processor/Process Management — Interrupt Handling and Timer Management — Description — Extended Operating System
254-302-824	1	300-Megabyte Moving Head Disk Drive — KS-22707, L2 — Preventive Maintenance — Model 2			

Number	Issue	Subject	Number	Issue	Subject
■ 254-340-040	2	Data Administration — Extended Operating System	■ 254-341-115	3	Generic Access Package (GRASP) — Description
■ 254-340-052	1	Device Handlers — Description — Extended Operating System	■ 254-341-116	1	Plant Measurement System — Description
■ 254-340-054	1	Terminal Administration — Description — Extended Operating System	Addendum	1	
■ 254-340-062	1	File System — Description — Extended Operating System Data Base Organization — Description — Extended Operating System	254-341-120	3	Interface and Integrity Facility — DMERT/UNIX RTR Operating System
■ 254-340-080	1	Maintenance Overview — Description — Extended Operating System	254-341-200	6	Maintenance and Fault Recovery — Software Subsystem Description
■ 254-340-082	2	System Utilities — Description — Extended Operating System	254-341-210	3	Data Base Management System — Software Subsystem Description
■ 254-340-084	1	Resident Maintenance — Description — Extended Operating System	Addendum	1	
■ 254-340-086	3	Initialization and Recovery — Extended Operating System	■ 254-341-211	1	Low Level Access/Software Demand Paging Systems — Description
■ 254-340-088	2	Processor Diagnostics — Extended Operating System	■ 254-341-220	3	System Diagnostic — Description
■ 254-340-090	2	Peripheral Diagnostics — Description — Extended Operating System	254-341-230	4	Craft Interface — Description
■ 254-340-100	1	Introduction to 3A Language	■ 254-341-235	1	Audit Facilities — Description — DMERT Operating System
Addendum	1		254-341-236	2	Audit Facilities — Description — UNIX RTR Operating System
■ 254-340-102	2	Basic and Extended Instruction Set	■ 254-341-240	2	DMERT Operating System Field Update Facilities — Description
■ 254-340-104	1	Program Listing Organization and Usage — Common Systems Description	Addendum	1	
■ 254-340-106	1	Extended Operating System — Macros and Glossary	■ 254-341-241	1	UNIX RTR Operating System Field Update Facilities — Description
			254-341-245	2	DMERT Operation System Generic Update Facilities — Software Subsystem Description

**254-4 PC Image Director****254-341 3B20D Computer Software Documentation**

■ 254-341-000	5	Operating System — Description
■ 254-341-100	3	File System — Description
Addendum	1	
■ 254-341-105	3	Input/Output Software Structures — Software Subsystem Description
■ 254-341-110	3	Kernel and Basic Services — Description
254-341-114	4	Field Operations Tools — Description

254-450-110	1	Integrated Graphics Package — Service Manual
254-475-105	2	AT&T Personal Computer 6300 — Service Manual

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**Division 255**


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**Processor Controlled and Ancillary Systems DATAKIT® 10A Remote Switching, Packet Switching, And Database Systems**


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**255-0 Indexes, Equipment Test List, No. 10A RSS (NO. 10A Remote Switching System), and 1PSS (AT&T WESTERN ELECTRIC® 1 Packet Switching System)**
**-000 Indexes**
**-001 Equipment Test List — 1PSS**
**-063 1PSS — Administration and Engineering**
**-090 Feature Documents**
**-099 Customer Information Releases (CIRs)**
**255-1 Packet Switches**
**-100 General Support**
**-102 Common Equipment Network Access Control System**
**-110 DATAKIT® II, Release 1**
**-111 DATAKIT II, Release 2**
**-112 StarKeeperPg**
**-113 DATAKIT II VCS Release 3**
**-114 StarKeeper® II NMS**
**-115 DATAKIT II VCS Release 4**
**-170 LCS 200**
**-179 GlobeView™-2000**
**-180 BNS-1000**
**-181 BNS-2000 Release 1.0**
**-182 BNS-2000 Release 1.1**
**-183 BNS-2000 Release 1.2**
**-184 BNS-2000 Release 2.0**
**-190 BNS-1000 Release 2.0**
**255-2 No. 10A RSS**
**255-3 1PSS (1 Packet Switching System) — Engineering, Operation, Maintenance, and Features**
**-301 Workstations**
**255-5 Data Base Systems**
**255-6 Network Management Systems**
**-605 NETPARTNER®**

Number	Issue	Subject
<b>255-0</b>		<b>Indexes, Equipment Test List, No. 10A RSS (No. 10A Remote Switching System), and 1PSS (AT&amp;T WESTERN ELECTRIC® 1 Packet Switching System)</b>
<b>255-000 Indexes</b>		
255-000-000	71	Numerical Index — Division 255 — Processor Controlled and Ancillary Systems (5-95)
255-000-030	1	Interdivisional Numerical Index — 1 Packet Switching System
<b>255-001 Equipment Test List — 1PSS</b>		
255-001-030	1	Maintenance Schedules
<b>255-063 1PSS — Administration and Engineering</b>		
255-063-010	1	Engineering Guidelines and Equipment Order Preparation
255-063-012	1	Routing Guidelines
255-063-013	2	Traffic and Resource Usage Measurements — Description
<b>255-090/093 Feature Documents</b>		
<b>No. 10A RSS</b>		
■ 255-092-010	2	System Features
<b>1PSS</b>		
255-093-010	1	Description
255-093-500	2	Model 1 and Model 2 Remote Packet Modules — Description and Operation
<b>255-099 Customer Information Releases (CIRs)</b>		
255-099-028TD	1	AT&T Voice Data Multiplexer, Operations Systems
255-099-039IR	2	Spares Exchange Service for DATAKIT® II VCS Family of Products
255-099-040TD	1	DATAKIT VCS and SARTS PC to PC Certification — Operations Systems
255-099-041TD	1	DATAKIT VCS and SARTS PC to RTS Certification — Operations Systems
255-099-042TD	1	Switched Access Remote Test System (SARTS) Process Controller (PC) Backup by Means of DATAKIT Virtual Circuit Switch (VCS), Operations System

Number	Issue	Subject	Number	Issue	Subject
255-099-044MR	1	Problem With Model O45C VDMs, Operations Systems	255-100-228	1	Multipurpose Concentrator Reference
255-099-045IR	2	Spares Exchange Service For LAN Communications System (LCS) Family of Products (10-93)	255-100-230	1	Data Networking Products Planning Guide (4-95)
			255-100-231	1	Data Networking Products Series M2 Trunk Module Reference (4-95)

**255-1 Packet Switches****255-100 General Support****Data Networking Products**

■ 255-100-010	1	Support Service Guide
255-100-020	1	NOTE: Contains 255-100-021, -022, and -025
255-100-021	8	Data Networking Product Ordering Guide (2 Volumes) Vol. 1 Overguide — Vol. 2 Order Worksheets (1-95)
255-100-022	7	Data Network Products — Quick Reference Guide
255-100-025	3	Data Networking Product Cabling Guide

**Data Networking Products Supporting DATAKIT II VCS Rel. 4.0 and BNS-1000 Rel. 2.0**

255-100-201	3	Data Networking Products Terminology
255-100-202	1	ISN Concentrator Reference
255-100-203	1	Synchronous/Asynchronous Multiplexer Reference
255-100-204	1	Computer Port Module Reference
255-100-205	2	Frame Relay Module Reference
255-100-206	1	LAN Protocol Routing Module Reference
255-100-207	1	Multispeed Module Reference
255-100-208	1	Synchronous Data Link Control Module Reference
255-100-209	1	Session Maintenance Guide
255-100-210	4	Messages Reference
255-100-211	1	Special Modules Reference
255-100-212	1	Sync8 Modules Reference
255-100-213	1	Trunk Modules Reference
255-100-214	1	Transparent Synchronous Module Reference
255-100-215	1	Products TY Module Reference
255-100-216	1	Products X.25 Module Reference
255-100-217	1	Products X.75 Module Reference

**255-102 Common Equipment Network Access Control System**

255-102-101	1	Network Access Control System — Installation, Operation and Maintenance Guide
255-102-102	1	Network Access Control System — System Administration Guide
255-102-103	1	Network Access Control System — Installation, Operation and Maintenance Guide Release 5.0
255-102-104	1	Network Access Control System — System Administration Guide Release 5.0
255-102-200	1	Data Bus Monitor User Manual

**255-110 DATAKIT II VCS Release 1**

255-110-001	2	Introduction
255-110-003	1	Feature Addendum
255-110-100	2	Installation Guide
255-110-101	2	Maintenance Guide
255-110-102	2	Host Interface
255-110-104	2	SAM-8 (Synchronous Asynchronous Multiplexer) - Installation Guide
255-110-105	1	Host Interface for AT&T 6386 Workstation
Addendum	2	
255-110-106	2	Network Interface - Installation and Administration Manual
255-110-109	1	Host Interface for SUN Workstation
255-110-114	3	Network Interface Applications — Service Manual
255-110-115	1	Multiplexed Host Interface for 386/486 Computers

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Number	Issue	Subject	Number	Issue	Subject
■ 255-110-118	2	SMDS (Switched Multimegabit Data Service) Access Unit 1.5 Service Manual	<b>255-111 DATAKIT II VCS Release 2.1</b>		
255-110-119	2	SMDS (Switched Multimegabit Data Service) Access Unit 1.5 Installation and Administration Guide	255-111-001	2	Introduction
255-110-123	1	COMMKIT Host Interface Release 3.3 STAR SERVER™ FT Installation and Administration Guide	255-111-020	1	DECXPRESS 100
255-110-124	2	COMMKIT Host Interface for NCR Series 3000 Computers — Installation and Administration Guide	255-111-100	2	Installation Guide
255-110-125	2	COMMKIT Host Interface Release 4.4 V1 AT&T 3B2 Computer System Installation and Administration Guide	255-111-101	2	Maintenance Guide
255-110-127	1	COMMKIT Host Interface Release 4.4 Version 1 3B2 RISC Computer Systems — Installation and Administration Guide	255-111-102	1	PDE (Portable Development Equipment) — Installation and Debugging Guide
255-110-140	1	SAM-64 (Synchronous Asynchronous Multiplexer) User Manual	Addendum	1	
Addendum	1		255-111-106	3	LCS 50 Network Interface for Ethernet 3.0 Installation and Administration Guide
255-110-141	2	DATAKIT II SAM 16 User Manual	Addendum	1	
255-110-200	2	Commands Reference Guide	255-111-107	1	LCS 60 Network Interface for Ethernet R1.0 Installation and Administration Guide
255-110-201	2	Messages Reference Guide	255-111-200	2	Commands Reference
255-110-202	2	DATAKIT II R1 Master Index	Addendum	2	
255-110-500	2	Administrator's Guide	255-111-201	2	Messages Reference
255-110-501	1	Quick Reference Guide	255-111-202	2	DATAKIT II R2.1 Master Index
255-110-503	1	Network Access Control System Installation and Administration Guide	255-111-500	2	Administrator's Guide
255-110-600	2	Planning and Implementation Guide	255-111-501	2	Administrator's Guide Quick Reference
255-110-611	2	VCS LAN Communications Server Installation and Administration Guide	255-111-502	1	PDE Programmer's Guide
255-110-700	2	System Description	255-111-505	2	NACS (Network Access Control System) SecurID Authenticator Installation and Administration Guide
255-110-701	2	Operations Guide	255-111-600	2	R2.1 Planning Guide
255-110-702	2	Terminal User Guide	255-111-606	2	Cabling Guide
255-110-703	2	Migration and Interworking Guide	255-111-700	2	System Description
255-110-712	1	Terminal User	255-111-702	2	Terminal User Guide
255-110-800	1	Publications	255-111-703	2	Migration and Interworking Guide
			255-111-712	2	Terminal User — Quick Reference Guide
			255-111-800	2	StarKeeper® Publications Index
			<b>255-112 StarKeeper® NMS</b>		
			255-112-004	1	NMS (Network Management System) Release 4.3 Change Pages
			255-112-104	2	NMS Installation Guide
			255-112-200	2	CCS (Customer Control System) Command Reference Guide
			255-112-203	2	NMS Commands Reference Guide

Number	Issue	Subject	Number	Issue	Subject
255-112-310	1	StarKeeper NMS G4.4 (ISN Application) — Installation Guide G4.4	255-113-201	1	DATAKIT II R3.0 Messages Reference
255-112-311	1	StarKeeper NMS G4.4 (ISN Application) — User Guide G4.4	■ 255-113-202	1	DATAKIT II R3.0 Master Index
255-112-312	1	StarKeeper NMS G4.4 (ISN Application) — Command Reference G4.4	255-113-500	1	DATAKIT II R3.0 Administrator's Guide
255-112-313	1	StarKeeper NMS G4.4 (ISN Application) — Customer Programming Guide G4.4	255-113-501	1	DATAKIT II R3.0 Administrator's Quick Reference
255-112-500	2	CCS Service Administrator's Guide	255-113-502	1	DATAKIT II VCS R3.0 Session Maintenance Guide
255-112-503	1	NAC (Network Access Controller) Installation and Administration 1.1	255-113-503	1	DATAKIT II R3.0 Ordering Quick Reference
255-112-505	1	Network Access Control System SerurID Authenticator and Administration Guide	255-113-600	1	DATAKIT II R3.0 Planning Guide
255-112-706	2	NMS System Description	255-113-606	1	DATAKIT II R3.0 Cabling Guide
255-112-707	2	NMS User Guide	255-113-700	1	DATAKIT II R3.0 System Description
Addendum	1		255-113-702	1	DATAKIT II R3.0 Terminal User Guide
255-112-708	1	Customer Program Guide	255-113-712	1	DATAKIT II R3.0 Terminal User Quick Reference
255-112-709	2	CCS Administrator's Guide	255-113-800	1	DATAKIT II R3.0 Product Line Publications
255-112-711	1	NMS Troubleshooter	<b>255-114 StarKeeper II NMS (Network Management System)</b>		
255-112-951	1	NMS 4.1 Configuration Guide	255-114-001	2	StarKeeper II NMS Introduction
255-112-952	1	Impvt Tool	255-114-002	1	StarKeeper II NMS Document Reference Getting Started Guide
255-112-953	1	NMS Host Port	255-114-003	1	StarKeeper II NMS Documentation Reference (R6.0) (4-94)
255-112-954	1	NMS Alarm Trend	255-114-004	1	StarKeeper II Network Management System (NMS) (R6.0) (4-94)
255-112-955	1	MNS 4.2 Configuration	255-114-010	1	StarKeeper II NMS 3.0.2 Release Guide
255-112-956	1	NMS PR Help...	255-114-015	1	StarKeeper II NMS HSP R4.0 Release Guide
<b>255-113 DATAKIT II, Release 3.0</b>			Addendum	2	
255-113-000	1	DATAKIT II VCS R3.1 Kit of Documents	255-114-020	1	StarKeeper II NMS SNMP Proxy Agent Guide
255-113-001	1	DATAKIT II VCS Introduction Guide	255-114-021	1	StarKeeper II NMS SNMP Proxy Agent User Guide (R5.0) (11-93)
255-113-005	1	DATAKIT II VCS Release Guide (R3.1)	255-114-022	1	StarKeeper II NMS SNMP Proxy Agent User Guide (R6.0) (4-94)
255-113-100	1	DATAKIT II R3.0 Installation Guide	Addendum	2	
255-113-101	1	DATAKIT II R3.0 Maintenance Guide	255-114-100	3	StarKeeper II NMS Installation Manual
255-113-105	1	Frame Relay Specifications for DATAKIT II VCS and BNS-2000	255-114-101	1	StarKeeper II NMS Installation Guide (R5.0)
255-113-200	1	DATAKIT II R3.0 Command Reference			

Number	Issue	Subject	Number	Issue	Subject
Revision 1	12-94		255-114-516	1	StarKeeper II NMS Performance Reporter Guide (R5.0)
255-114-102	1	StarKeeper II NMS Installation Guide (R6.0) (4-94)	255-114-517	1	StarKeeper II NMS Performance Reporter Guide (R6.0) (4-94)
255-114-110	1	StarKeeper II NMS Workstation Installation Guide	Addendum	2	
255-114-150	1	StarKeeper II NMS Graphics Workstation Package	255-114-520	2	StarKeeper II NMS Network Builder
255-114-151	1	StarKeeper II NMS Core System Package	255-114-521	1	StarKeeper II NMS Network Builder Guide (R5.0)
255-114-152	1	StarKeeper II NMS Customer Control System (CCS) Package	255-114-522	1	StarKeeper II NMS Network Builder Guide (R6.0) (4-94)
255-114-153	1	StarKeeper II NMS Graphics Workstation Package — Update from R4.2 to R5.0	Addendum	1	
255-114-154	1	StarKeeper II NMS Core System Package — Update from R4.2 to R5.0	255-114-525	2	StarKeeper II NMS Network Monitor
255-114-156	1	StarKeeper II NMS Core System Package — Update from R4.1 to R5.0	255-114-526	1	StarKeeper II NMS Network Monitor Guide (R5.0)
255-114-157	1	StarKeeper II NMS Graphics System Package Release 6.1	Revision 1	12-94	
255-114-158	1	StarKeeper II NMS Core System Package Release 6.1	255-114-527	1	StarKeeper II NMS Network Monitor Guide (R6.0) (4-94)
Addendum	1		Addendum	3	
255-114-200	1	StarKeeper II NMS Customer Control System Commands Reference	255-114-601	4	StarKeeper II NMS Planning Manual
Addendum	2		255-114-602	1	StarKeeper II NMS Planning Manual (Update from 4.1 to 5.0)
255-114-203	2	StarKeeper II NMS Commands Reference	Revision 1	12-94	
255-114-204	1	StarKeeper II NMS Commands Reference (R5.0)	255-114-603	1	StarKeeper II NMS Planning Guide (R6.0) (4-94)
Revision 1	12-94		Addendum	2	
255-114-205	1	StarKeeper II NMS Commands Reference (R6.0) (4-94)	255-114-707	3	StarKeeper II NMS User Manual
Addendum	1		255-114-708	1	StarKeeper II NMS Customer Programming Guide
255-114-500	1	StarKeeper II NMS Customer Control System Commands Reference	Addendum	1	
Addendum	2		255-114-709	1	StarKeeper II NMS Customer Control System End User Administrator's Guide
255-114-510	2	StarKeeper II NMS Task Manager Guide	255-114-710	1	StarKeeper II NMS User Guide (R5.0)
255-114-511	1	StarKeeper II NMS Task Manager Guide (R5.0)	Revision 1	12-94	
255-114-512	1	StarKeeper II NMS Task Manager Guide (R6.0) (4-94)	255-114-711	1	StarKeeper II NMS User Guide (R6.0) (4-94)
Addendum	2				
255-114-515	2	StarKeeper II NMS Performance Reporter			
			<b>255-115 DATAKIT II VCS Release 4</b>		
			255-115-000	-	Datakit II VCS Release 4.0 Complete Document Set
			255-115-001	1	Datakit II VCS Library Release 4.0 (CD-ROM) (5-94)
			255-115-002	1	Datakit II VCS Library Release 4.0 with CD-ROM (5-94)



Number	Issue	Subject	Number	Issue	Subject
255-115-010	1	Introduction	255-170-100	1	Installation Guide
255-115-015	1	Publications	■ 255-170-110	1	LCS 200 Access Feeder Node User Guide (Installation)
255-115-110	1	System Description	Addendum	1	
255-115-115	1	Administration Quick Reference	255-170-125	1	LSC 200 System 7 Documentation Package
255-115-120	1	Planning Guide	255-170-500	1	Operator's Guide
255-115-125	1	Terminal User Guide	255-170-600	1	Configuration Guide (2 Vol.)
255-115-220	1	Node Reference	<b>255-179 GlobeView™-2000</b>		
255-115-221	1	TY Module Reference	<b>Release 1.1</b>		
255-115-222	1	Frame Relay Module Reference	255-179-020	1	GlobeView™-2000 Broadband System Introduction Guide R1.0.1 (2/94)
255-115-223	1	Computer Port Module Reference	■ 255-179-021	1	GlobeView™-2000 Broadband System — System Description (6-94)
255-115-224	1	Trunk Module Reference	■ 255-179-022	1.1	GlobeView™-2000 Broadband System Node Installation
255-115-226	1	Transparent Synchronous Module Reference	■ Revision 1	9/94	
255-115-227	1	Synchronous Data Link Control Module Reference	■ 255-179-023	1.1	GlobeView™-2000 Broadband System Node Reference
255-115-229	1	X.25 Module Reference	■ 255-179-024	1.1	GlobeView™-2000 Broadband System Line Card Reference
255-115-230	1	X.75 Module Reference	■ 255-179-025	1	GlobeView™-2000 Broadband System Network Management Reference
255-115-231	1	Special Module Reference	■ 255-179-026	1	GlobeView™-2000 Broadband System Customer Network Management Application Reference
255-115-232	1	Synchronous C8 Module Reference	■ 255-179-027	1	GlobeView™-2000 Broadband System Command Line Interface Specification Programmer's Reference
255-115-310	1	Session Maintenance Guide	■ 255-179-028	--	GlobeView™-2000 Broadband System Customer Documentation Library (9-94)
<b>Release 5.0</b>			■ 255-179-029	1	GlobeView™-2000 Broadband System Command Line Interface Specification Programmer's Reference (IDCS) (10-94)
255-115-400	--	Datakit II VCS Library Release 5.0 with CD-ROM (5-94)	<b>Release 1.2</b>		
⊕ 255-115-401	1	Datakit II VCS Library CD-ROM Release 5.0	■ 255-179-051	1	GlobeView™-2000 Broadband System System Description
255-115-402	1	Datakit II VCS Publications	■ 255-179-052	1	GlobeView™-2000 Broadband System Node Installation
255-115-403	1	Datakit II VCS System Description			
255-115-404	1	Datakit II VCS Planning Guide			
Addendum	1				
255-115-405	1	Datakit II VCS Node Reference (2 vols.)			
255-115-406	1	Datakit II VCS Administration Quick Reference			
255-115-407	1	Datakit II VCS Terminal User Guide			
<b>255-170 LCS 200</b>					
255-170-011	1	LCS 200 System (25/pkg brochure)			
255-170-012	1	LCS 200 Backbone Node (25/pkg brochure)			
□ 255-170-013	1	LCS 200 Access Feeder Node (25/pkg brochure)			

Number	Issue	Subject	Number	Issue	Subject
■ 255-179-053	1	GlobeView™-2000 Broadband System Node Reference	255-181-121	1	BNS-2000 DPN Cabling Guide — Data Networking Products
■ 255-179-054	1	GlobeView™-2000 Broadband System Line Card Reference	Addendum	1	
■ 255-179-055	1	GlobeView™-2000 Broadband System Network Management Reference	255-181-122	1	BNS-2000 — Node Reference Update
■ 255-179-056	1	GlobeView™-2000 Broadband System Customer Network Management Application Reference	255-181-205	1	BNS-2000 — User Quick Reference/Asynchronous Access
■ 255-179-057	1	GlobeView™-2000 Broadband System Command Line Interface Specification: Programmer's Reference	255-181-210	1	BNS-2000 Messages Reference
■ 255-179-058	1	GlobeView™-2000 Broadband System Command Line Interface Specification: Programmer's Reference (IDCS)	255-181-220	1	BNS-2000 Node Reference
			255-181-221	1	BNS-2000 — TY Module Reference
			255-181-222	1	BNS-2000 — Frame Relay Module Guide
			255-181-223	1	BNS-2000 — Computer Port Module Reference
			255-181-224	1	BNS-2000 Trunk Module Reference
			255-181-310	1	BNS-2000 Session Maintenance Guide
<b>255-180 BNS-1000</b>			<b>255-182 BNS-2000 Release 1.1</b>		
255-180-000	1	BNS-1000 R1.1 Documentation Kit	255-182-000	1.1	BNS-2000 Document Set
255-180-005	1	BNS-1000 Release Guide R1.1	255-182-015	1	BNS-2000 — Publications
255-180-100	1	BNS-1000 Installation Guide	255-182-025	1	BNS-2000 — Data Networking Terminology
255-180-101	1	BNS-1000 Maintenance Guide	255-182-110	1	BNS-2000 — System Description
255-180-200	1	BNS-1000 Commands Reference (2 Vol)	255-182-115	1	BNS-2000 — Administration Quick Reference
255-180-201	1	BNS-1000 Messages Reference Guide	255-182-120	1	BNS-2000 Planning Guide
255-180-500	1	BNS-1000 Administrator's Guide	Addendum	1	
255-180-600	1	BNS-1000 Session Maintenance Guide	255-182-210	1	BNS-2000 — Messages Reference
			Addendum	1	
			255-182-220	1	BNS-2000 — Node Reference (2-Vol)
			255-182-224	1	BNS-2000 — Trunk Module Reference
			Addendum	1	
			255-182-225	1	BNS-2000 — Access Interface Module Reference
			Addendum	1	
			255-182-310	1	BNS-2000 — Session Maintenance Guide
			Addendum	1	
			255-182-315	1	BNS-2000 — SMDS (Switched Multimegabit Data Service) Guide LSC 700 SMDS Concentrator Installation and Administration Guide
<b>255-181 BNS-2000 Release 1.0</b>					
255-181-010	1	BNS-2000 — Introduction Guide			
255-181-015	1	BNS-2000 Product Line Publications			
255-181-025	1	BNS-2000 Data Networking Terminology			
255-181-110	1	BNS-2000 System Description R1.0			
255-181-115	1	BNS-2000 Administration Quick Reference			
255-181-117	1	BNS-2000 Network Access Control System (NACS) — Installation and Administration Guide			
255-181-120	1	BNS-2000 Planning Guide			

Number	Issue	Subject	Number	Issue	Subject
<b>255-183 BNS-2000 Release 1.2</b>			255-184-105	1	BNS-2000 — Session Maintenance Guide
255-183-000	-	BNS-2000 Release 1.2 Complete Document Set	255-184-106	1	BNS-2000 — Node Reference
255-183-015	1	BNS-2000 — Publications	255-184-107	1	BNS-2000 Access Interface Module Reference
255-183-110	1	BNS-2000 — System Description	255-184-108	1	BNS-2000 Computer Port Module Reference
255-183-115	1	BNS-2000 — Administration Quick Reference	255-184-109	1	BNS-2000 Frame Relay Module Reference
255-183-120	1	BNS-2000 — Planning Guide	255-184-110	1	BNS-2000 Synchronous Data Link Control Module Reference
255-183-125	1	BNS-2000 Terminal — User Guide (10-93)	255-184-111	1	BNS-2000 Transparent Synchronous Module Reference
255-183-210	1	BNS-2000 — Messages Reference	255-184-112	1	BNS-2000 Trunk Module Reference
Addendum	1		255-184-113	1	BNS-2000 TY Module Reference
255-183-220	1	BNS-2000 — Node Reference— Volume 1: Overview, Installation, Operations, Administration, Maintenance, Troubleshooting — Volume 2: Commands	255-184-114	1	BNS-2000 X.25 Module Reference
255-183-221	1	BNS-2000 TY Module Reference	255-184-115	1	BNS-2000 X.75 Module Reference
255-183-222	1	BNS-2000 Frame Relay Module Reference (3/93)	255-184-116	1	BNS-2000 — Administration Quick Reference
255-183-223	1	BNS-2000 Computer Port Module Reference	255-184-117	1	BNS-2000 — Terminal User Guide
255-183-224	1	BNS-2000 Trunk Module Reference	255-184-118	1	Datakit II VCS to BNS-2000 Conversion Guide
255-183-225	1	BNS-2000 Access Interface Module Reference	255-184-120	1	BNS-2000 Installation Procedures Handbook (1-95)
255-183-226	1	BNS-2000 Transparent Synchronous Module Reference	255-184-125	1	BNS-2000 Release 2.0 Library on CD-ROM (6-94)
255-183-227	1	BNS-2000 Synchronous Data Link Module Reference	<b>BNS-2000 Release 3.0</b>		
255-183-228	1	BNS-2000 Concentrator Reference	255-184-132	1	BNS-2000 Administration Quick Reference (4-95)
255-183-229	1	BNS-2000 X.25 Module Reference	255-184-133	1	BNS-2000 Node Reference, Volume 1: Overview, Operations, Administration, Maintenance, Troubleshooting (4-95)
255-183-315	1	BNS-2000 SMDS Guide	255-184-135	1	BNS-2000 Publications (4-95)
<b>255-184 BNS-2000 Release 2.0</b>			255-184-136	1	BNS-2000 System Description (4-95)
255-184-000	--	BNS-2000 Complete Document Set	255-184-137	1	BNS-2000 Terminal User Guide (4-95)
255-184-002	--	BNS-2000 Complete Document Set with CD-ROM	<b>255-190 BNS-1000 Release 2.0</b>		
255-184-100	1	BNS-2000 — Publications	255-190-015	1	BNS-1000 Publications
255-184-101	1	BNS-2000 — Introduction	255-190-110	1	BNS-1000 System Description
255-184-102	1	BNS-2000 — System Description	255-190-115	1	BNS-1000 Administration Quick Reference
255-184-103	1	BNS-2000 — Planning Guide			
255-184-104	1	BNS-2000 — SMDS Guide			

Number	Issue	Subject
255-190-120	1	BNS-1000 Planning Guide
255-190-125	1	BNS-1000 Terminal User Guide
255-190-220	1	BNS-1000 Node Reference
255-190-221	1	BNS-1000 TY Module Reference
255-190-222	1	BNS-1000 Frame Relay Module Reference
255-190-223	1	BNS-1000 Computer Port Module Reference
255-190-224	1	BNS-1000 Trunk Module Reference
255-190-226	1	BNS-1000 Transparent Synchronous Module Reference
255-190-227	1	BNS-1000 Synchronous Data Link Control Module Reference
255-190-229	1	BNS-1000 X.25 Module Reference
255-190-230	1	BNS-1000 X.75 Module Reference
255-190-310	1	BNS-1000 Session Maintenance Guide

**255-2 No. 10A RSS (Remote Switching System)**

255-200-100	1	General Description
Addendum	1	
▲ 255-200-301	2	Maintenance Procedure

**255-3 1PSS (1 Packet Switching System) — Operation, Maintenance, and Features**

255-300-105	2	Maintenance Considerations
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**Technical Specification Manuals**

255-300-110	2	Release 3.1
255-300-111	1	Release 4.0
255-300-111	2	Release 4.1

**Maintenance Manuals**

255-300-120	2	Release 4.1
255-300-123	1	Release 3.2

**Systems Engineering Manuals**

255-300-130	2	Release 4.1
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**Network Management Manuals**

255-300-140	2	Release 4.1
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Number	Issue	Subject
■ 255-300-152	2	1PSS Input Message Manual-2 Vol 1 — Packet Switching System
■ 255-300-153	2	1PSS Input Message Manual-3 Vol 1 — Packet Switching System
■ 255-300-155	2	1PSS Input Output Manual— Packet Switching System
■ 255-300-161	2	1PSS User's Guide-1 — Packet Switching System

**255-301 Workstations**

255-301-110	2	User Guide USDS (User Screening Database Server) Utilities 6 (1PSS) (Version 2.0)
255-301-111	1	User Guide USDS (User Screening Database Server) Utilities 6 (1PSS) (Version 3.0)
255-301-112	4/92	1PSS USDS (User Screening Database Server) Installation and Administration Guide
255-301-120	11/90	1PSS Network Workstation Network Control Center (NCC) Version Administration Guide
255-301-121	11/90	1PSS Network Workstation Network Control Center (NCC) Version User Guide
255-301-125	11/90	1PSS Network Workstation Customer Network Control Center (CNCC) Version Administration Guide
255-301-126	11/90	1PSS Network Workstation Customer Network Control Center (CNCC) Version User Guide

**Remote Packet Modules**

255-350-105	2	Model 1 and Model 2 — Maintenance Considerations
▲ 255-351-100	2	Model 1 Frame — Local Area Data Transport Service
▲ 255-352-100	2	Model 2 Frame — Local Area Data Transport Service

**255-5 Data Base Systems**

255-500-100	1	Data Mangement System and Automatic Location Identification System Description for Generic 1
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Number	Issue	Subject
<b>255-6 NMS (Network Management Systems)</b>		
<b>255-605 NETPARTNER®</b>		
255-605-010	1	NMS (Network Management System) Workstation User Guide 1NP2.1
■ 255-605-015	1	NMS (Network Management System) Display Construction 1NP2.1
▲ 255-605-020	1	NMS Administration
▲ 255-605-022	1	NMS Installation Guide

**Division 256**

**Common Channel Signaling System (CCSS)**

- 256-0 Indexes, Equipment Test List, and Documents Applicable to All Systems**
  - 000 Indexes
  - 001 Equipment Test List
  - 002 Common Channel Signaling 7 — Switching Products
  - 010 CCSS Common Functions
  - 015 CCS7 LEC Network
  - 020 CCSS Related Features
  - 030 Advanced Services Platform
  - 040 Signaling Links, Terminal Group, Data Set Frame, and AC Power
  - 041 Network Services Complex
  - 070 Network Administration
  - 071 System Planning
  - 090 CNI (Common Network Interface)
  - 098 AT&T Customer Information Releases (CIRs) Only
  - 099 General Distribution CIRs
- 256-1 1A/1B NCP (No. 1A and 1B Network Control Point)**
  - 101 1NCP (Network Control Point) Support Software
  - 110 No. 2 NCP Product Documentation
- 256-2 STPS (Signal Transfer Points)**
  - 200 No. 1 STP
  - 210 No. 2 STP
  - 220 No. 2A STP
- 256-3 Support Systems**
  - 310 No. 2 NCP Support Systems
- 256-4 CCSS User Offices**
- 256-9 International Documents**
  - 910 NCP (Network Control Point) International Documents

Number	Issue	Subject
<b>256-0 Indexes, Equipment Test List, and Documents Applicable to All Systems</b>		
<b>256-000 Indexes</b>		
256-000-000	79	Numerical Index — Division 256 — Common Channel Signaling System (CCSS) (5-95)
<b>256-001 Equipment Test List</b>		
256-001-011	1	No. 1 Signal Transfer Point
<b>256-002 Common Channel Signaling 7 — Switching Products</b>		
256-002-100	3	CCS7 Information Guide
<b>256-003 A-I-NET™ STP (Signal Transfer Point)</b>		
■ 256-003-210	2	A-I-NET Signal Transfer Point — System Description (10-92)
■ 256-003-211	2	A-I-NET Signal Transfer Point — Operation and Maintenance Procedures: Ring and Link (6-93)
■ 256-003-212	2	A-I-NET Signal Transfer Point — Operation and Maintenance Procedures: Office, Routing, Network, and System (6-93)
■ 256-003-213	2	A-I-NET Signal Transfer Point — Input Messages (6-93)
■ 256-003-214	2	A-I-NET Signal Transfer Point — Output Manual Vol.1:A-O Vol.2:P-Z (6-93)
■ 256-003-215	2	A-I-NET Signal Transfer Point — Data Base Administration (7-93)
■ 256-003-216	2	A-I-NET Signal Transfer Point Reference Manual — Volume 1 Display Pages, Audits and Tools — Volume 2 Diagnostics and PRMs (6-93)
<b>256-004 No.2 STP (Signal Transfer Point)</b>		
■ 256-004-200	6	No. 2 STP System Description (4-93)
■ 256-004-201	6	No. 2 STP System — Operation and Maintenance Procedures — Ring and Link (4-93)
■ 256-004-202	6	No. 2 STP System — Operation and Maintenance Procedures — Office, Routing, Network and System Generic 6.3

Number	Issue	Subject	Number	Issue	Subject
■ 256-004-203	6	No. 2 Signal Transfer Point — Input Manual V1 Generic 6.3	■ 256-004-401	2	No. 2 Signal Transfer Point Operations and Maintenance Procedures: Ring and Link Gen 8.2 (10-94)
■ 256-004-204	6	No. 2 Signal Transfer Point — Output Manual V2 2Volume Set Generic 6.3	■ 256-004-402	2	No. 2 Signal Transfer Point Operations and Maintenance Procedures: Office, Routing, Network, and System Gen 8.2 (10-94)
■ 256-004-205	6	No. 2 Signal Transfer Point — Data Base Administration V1 Generic 6.3	■ 256-004-403	2	No. 2 Signal Transfer Point Input Messages Gen 8.2 (10-94)
■ 256-004-206	6	No. 2 Signal Transfer Point — Reference Manual V2 Display Pages, Audits, and Tools Generic 6.3 2 Vol. Set	■ 256-004-404	2	No. 2 Signal Transfer Point Output Messages Gen 8.2 (10-94) (2 Volumes)
■ 256-004-300	3	No. 2 Signal Transfer Point System Description Gen 7.1 (1-94) NOTE: Not for Coded Distribution	■ 256-004-405	2	No. 2 Signal Transfer Point Data Base Administration Gen 8.2 (10-94)
■ 256-004-301	3	No. 2 Signal Transfer Point System — Ring and Link — Operations and Maintenance Procedures: Ring and Link (1-94) NOTE: Not for Coded Distribution	■ 256-004-406	2	No. 2 Signal Transfer Point Reference Manual Gen 8.2 (10-94) (2 Volumes)
■ 256-004-302	3	No. 2 Signal Transfer Point System Operations and Maintenance Procedures: Office, Routing, Network, and System Gen 7.1 NOTE: Not for Coded Distribution	<b>256-010 CCSS (Common Channel Signaling System) Common Functions and Equipment</b>		
■ 256-004-303	3	No. 2 Signal Transfer Point Input Messages Gen 7.1 NOTE: Not for Coded Distribution	■ 256-010-010	4	CCSS Common Functions Manual
■ 256-004-304	3	No. 2 Signal Transfer Point Output Messages Volume 1, A-O — Volume 2, P-Z Gen 7.1 NOTE: Not for Coded Distribution	■ 256-010-011	2	No. 2 Network Control Point Service, Administration, and Maintenance Manual (SAMM)
■ 256-004-305	3	No. 2 Signal Transfer Point Data Base Administration Manual Gen 7.1 NOTE: Not for Coded Distribution	■ 256-010-012	1	1NCP Service, Administration, and Maintenance Manual
■ 256-004-306	3	No. 2 Signal Transfer Point Reference Manual Volume 1 Display Pages, Audits, and Tools — Volume 2 Diagnostics and PRMs Gen 7.1 NOTE: Not for Coded Distribution	<b>Common Equipment</b>		
■ 256-004-400	2	No. 2 Signal Transfer Point System Description Gen 8.2 (10-94)	■ 256-010-300	1	SS7 (Signaling System 7) Protocol Converter Programmers Guide (11-94)
			■ 256-010-301	1	SS7 (Signaling System 7) Protocol Converter Administration Guide (11-94)
			<b>256-015 CCS7 LEC Network</b>		
			■ 256-015-100	3	Signaling System 7 — LEC Network — Description
			■ Addendum	1	
			■ 256-015-200	2	CCS7 Network — Data Base and Routing
			■ 256-015-300	2	Signaling System 7 — LEC Network — Operations, Administration, and Maintenance (12-92)

Number	Issue	Subject
■ 256-015-310	1	Simultaneous Trunk Conversion via Automatic Recent Change for 1A ESS™ Switch or 5ESS® Switch Data Base and Routing Document

**256-030 Advanced Services Platform**

256-030-112	11/91	AT&T Net Advanced Services Platform
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**256-040 Signaling Links, Terminal Group, Data Set Frame, and AC Power**

256-040-100	3	Signaling Links — Description
■ 256-040-100AC	1	Signaling Links — Description
256-040-101	1	Terminal Group — Description
256-040-102	1	Voice Frequency Link Access Circuit — Description
256-040-103	1	Data Set Frame SD-94874-01 — Description
256-040-104	2	Voice Frequency Link Test Frame — Description
■ 256-040-105AC	2	56-KBPS Signaling Links — Operation, Administration, and Maintenance Description
256-040-300	1	Signaling Links — Rehoming and Retirement Procedures
256-040-301	1	Signaling Links — Conversion From 2400 to 4800 BPS
256-040-302	1	Signaling Links — Growth and Degrowth
256-040-303	1	Signaling Links — Link Security Check Procedures
256-040-500	1	Signaling Links — Maintenance
256-040-501	1	Terminal Group — Maintenance
256-040-502	1	Voice Frequency Link Access Circuit SD- 68758-01 — Test And Adjustment Procedures
256-040-503	1	Signaling Links — Performance Tests
256-040-504	1	Data Set Frame SD-94874-01 — Maintenance
256-040-505	1	AC Power and Alarm Frame SD-68771-01 — Tests
256-040-510	2	Analog Signaling Links — Performance Tests Between No. 1 and No. 2 Signal Transfer Points
256-040-511	1	Analog Signaling Links — Performance Tests Between No. 2 Signal Transfer Point and 4A Switch

Number	Issue	Subject
■ 256-040-515	3	Analog Signaling Links — Performance Tests Between No. 2 Signal Transfer Point and 5ESS® Switch
■ 256-040-520	1	Analog Signaling Links Performance Tests, 2STP and 5ESS Switch

**256-041 NSCX (Network Services Complex) and SCS**

256-041-100	6	Network Services Complex (NSCX) J4A017 (5-93)
256-041-101	1	Common Channel Signal System — Theory Network Services Complex J4A017
■ 256-041-110	1	Software Description
▲Addendum	1	
▲256-041-300	2	Network Services Complex (NSCX) Growth and Additions — Common Channel Signaling System (5-93)
▲Addendum	1	
▲256-041-500	5	Network Services Complex (NSCX) Maintenance — Common Channel Signaling System (5-93)

**256-070 Network Administration**

●256-070-103	1	Network Administration Center (CNAC) — Cutover/Conversion Coordination
256-070-104	1	Network Administration Center (CNAC) — Signaling Link Provision
256-070-105	1	No. 1 Signal Transfer Point — Reload Process
256-070-107	1	Voice Frequency Links — In-Effect Reporting
■ 256-070-200AC	1	Network Performance Measurement Plan — Description — Network Switched Services — Network Control Point
256-070-201	1	Network Signaling Performance Measurement Plan — Monitoring Interoffice Signaling at a No. 1 Signal Transfer Point
■ 256-070-202AC	1	Network Performance Measurement Plan Description — Network Switched Service No. 2 Signal Transfer Point



Number	Issue	Subject	Number	Issue	Subject
<b>256-071 System Planning</b>			■ 256-098-004 TD 1 No. 1A Network Control Point (NCP) Support Software (NSPS) — Generic 1NCP4 (Technical Description)		
256-071-105	2	Signaling System 7 Link Engineering and Planning System (booklet and 2 disketts) (2-93)	<b>256-099 General Distribution CIR</b>		
<b>256-090 CNI (Common Network Interface)</b>			256-099-002NP	1	2/2A STP (Signal Transfer Pt.) GC37
CNI Generic 3.3.8 for the Service Control Point II (SCPII)			256-099-003IR	2	Spares Exchange Services — Signaling Products (SES-SP and SES-SP-PLUS) — Switching Systems
■ 256-090-100	1	CNI System Description Manual	256-099-005NP	1	2/2A Signal Transfer Point (STP)
■ 256-090-101	1	CNI Operations and Maintenance Manual	256-099-006NP	1	2/2A Signal Transfer Point (STP), Generic 5, Switching Systems
■ 256-090-102	1	CNI Maintenance Manual	256-099-008MG	1	First Service Application (FSA) Tests for Route Set Test (RST) Message H1 Field Encoding Change for No. 2/2A Signal Transfer Point (2/2A STP), Switching Systems
■ 256-090-103	1	CNI Support Manual	256-099-009IR	1	CCS7 Local Exchange Carrier (LEC) Network Documentation, Switching Systems
■ 256-090-104	1	CNI Input Message Manual	256-099-010NP	1	A-I-NET™ Signal Transfer Point (STP) — Releases 0 and 1 — Switching Systems
■ 256-090-105	1	CNI Output Message Manual	256-099-012NP	9/93	A-I-NET Signal Transfer Point Rel 2
CNI5			<b>256-1 1A/1B NCP (No. 1A and 1B Network Control Point)</b>		
■ 256-090-136	2	Message Trap Job Aid	■ 256-100-010	1	No. 1 Network Control Point/(em Operation, Administration, and Maintenance
CNI7			256-100-100	3	Description — No. 1B
■ 256-090-170	1	CNI System Description Manual	■ 256-100-100AC	3	Description
■ 256-090-171	1	CNI Operations Manual	256-100-101	1	Interprocessor Link — Description
■ 256-090-172	1	CNI Maintenance Manual	■ 256-100-103AC	1	Controlled Maintenance Plan
■ 256-090-173	1	CNI Support Manual	256-100-105	3	Local Maintenance Position — Description — No. 1A and No. 1B
■ 256-090-174	1	CNI Input Message Manual	256-100-106	2	Ring Node Frame/Cabinet — Description — No. 1A and No. 1B
■ 256-090-175	1	CNI Output Message Manual	256-100-107	2	Digital Facility Access Frame/Cabinet — Description — No. 1A and No. 1B
■ 256-090-176	1	CNI Processor Recovery Messages Manual			
■ 256-090-177	1	CNI Feature Description Manual			
CNI8.4 for the 4ESST™ Switch					
■ 256-090-180	1	CNI System Description Manual			
■ 256-090-181	1	CNI Operations Manual			
■ 256-090-182	1	CNI Maintenance Manual			
■ 256-090-183	1	CNI Support Manual			
■ 256-090-184	1	CNI Input Message Manual			
■ 256-090-185	1	CNI Output Message Manual			
■ 256-090-186	1	CNI Processor Recovery Messages Manual			
■ 256-090-187	1	CNI Feature Description Manual			
<b>256-098 Customer Information Releases (CIRs)</b>					
■ 256-098-003 TD	1	No. 1A Network Control Point — Direct Services Dialing (DSD) Application — Generic 1DSD4 (Technical Description)			

Number	Issue	Subject	Number	Issue	Subject
256-100-108	2	Synchronous Data Links — Description — No. 1B	■ 256-101-033	1.6	No. 1A Network Control Point — Operation Instructions — 1NCP9.1 Generic
■ 256-100-108AC	2	Synchronous Data Links — Description	256-101-120	2.1	1NCP8.2 Software Description
256-100-300	1	Support Software — Loading Procedure	256-101-121	2.3	1NCP8.2 Input Messages
256-100-301	1	Broadcast Warning Messages — Implementation	256-101-122	2.3	1NCP8.2 Output Messages
■ 256-100-302AC	2	System Evaluation Procedures	■ 256-101-124	1.1	No. 1A Network Control Point — NCP Support Software (NSPS) — Software Description — 1NCP8.1
256-100-310	1	Application Programs — Loading Procedures	■ 256-101-125	1.1	No. 1A Network Control Point — NCP Support Software (NSPS) — Input Messages — 1NCP8.1
256-100-320	1	Application Programs — Activation and Deactivation Procedures	■ 256-101-126	1.1	No. 1A Network Control Point — NCP Support Software (NSPS) — Output Messages — 1NCP8.1
256-100-501	2	System Status Displays — No. 1B	■ 256-101-130	1.1	No. 1A Network Control Point — NCP Support Software (NSPS) — Software Description — 1NCP9.1 Generic (5-93)
■ 256-100-501AC	1	System Status Displays	■ 256-101-131	1.3	No. 1A Network Control Point — NCP Support Software (NSPS) — Input Messages — 1NCP9.1 Generic
■ 256-100-502AC	1	Operational Review	■ 256-101-132	1.3	No. 1A Network Control Point — NCP Support Software (NSPS) — Output Messages — 1NCP9.1 Generic
■ 256-100-503AC	2	System Status Displays — No. 1A	256-101-210	1	1CCC2.1 Application Description (1-95)
256-100-560	1	Interprocessor Link — Maintenance	256-101-211	1	1CCC2.1 Input Messages (1-95)
256-100-580	3	Synchronous Data Links — Maintenance and Testing	256-101-212	1	1CCC2.1 Output Messages (1-95)
<b>256-101 No. 1A Network Control Point (1ANCP) Product Documents for NSD</b>			■ 256-101-310	1.1	No. 1A Network Control Point — Intelligent Call Processing (ICP) — Application Description — 1ICP1.1 Generic
256-101-020	2	CP8.2 Documentation Guide	■ 256-101-311	1.1	No. 1A Network Control Point — Intelligent Call Processing (ICP) — Input Messages — 1ICP1.1 Generic (10-93)
256-101-021	2.4	1NCP8.2 System Description	■ 256-101-312	1.1	No. 1A Network Control Point — Intelligent Call Processing (ICP) — Output Messages — 1ICP1.1 Generic (10-93)
256-101-022	2.3	1NCP8.2 System Reference Manual	■ 256-101-430	1.2	No. 1A Network Control Point — Universal Global Title Translation (UGT) — Application Description — 1UGT1.2 Generic (3-94)
■ 256-101-023	2.10	1NCP8.2 Operation Instructions Guide			
■ 256-101-024	1	1NCP8.1 Documentation Guide (Release 2) Generic (5-93)			
■ 256-101-025	1	1NCP8.1 System Description (Release 2) Generic (5-93)			
■ 256-101-026	1	1NCP8.1 System Reference Manual (Release 2) Generic (5-93)			
■ 256-101-027	1.1	1NCP8.1 System Operating Instructions			
■ 256-101-030	1	No. 1A Network Control Point — Documentation Guide 1NCP (1-93)			
■ 256-101-031	1.1	No. 1A Network Control Point — System Description — 1NCP9.1 Generic			
■ 256-101-032	1.1	No. 1A Network Control Point — System Reference Manual — 1NCP9.1 Generic			

Number	Issue	Subject	Number	Issue	Subject
■ 256-101-431	1.4	No. 1A Network Control Point — Universal Global Title Translation (UGT) — Input Messages — 1UGT1.2 Generic	■ 256-101-711	1	No. 1A Network Control Point — Network Call Denial (NCD) — Operating Instructions — 1NCD3.1 Generic (8-93)
■ 256-101-432	1.3	No. 1A Network Control Point — Universal Global Title Translation (UGT) — Output Messages — 1UGT1.2 Generic	■ 256-101-712	1	No. 1A Network Control Point — Network Call Denial (NCD) — Operating Instructions — 1NCD3.1 Generic (8-93)
256-101-520	1.1	1CAS4.1 Application Description	■ 256-101-713	1	No. 1A Network Control Point — Network Call Denial (NCD) — Output Message Manual — 1NCD3.1 Generic (8-93)
256-101-521	1.1	1CAS4.1 Input Messages	256-101-820	1	1DSD8.1 Application Description
256-101-522	1.1	1CAS4.1 Output Messages	256-101-821	1.1	1DSD8.1 Input Messages (1-94)
■ 256-101-523	1.1	No. 1A Network Control Point — Customer Account Services (CAS) — Application Description — 1CAS5.1 Generic (2-94)	256-101-822	1.1	1DSD8.1 Output Messages (1-94)
■ 256-101-524	1.1	No. 1A Network Control Point — Customer Account Services (CAS) — Input Messages — 1CAS5.1 Generic (2-94)	■ 256-101-930	2.1	No. 1A Network Control Point — Line-Number Services Application (LSA) — Application Description — 1LSA1.1 Generic (1-93)
■ 256-101-525	1.1	No. 1A Network Control Point — Customer Account Services (CAS) — Output Messages — 1CAS5.1 Generic (2-94)	■ 256-101-931	1	No. 1A Network Control Point — Line-Number Services Application (LSA) — Input Messages — 1LSA1.1 Generic (1-93)
256-101-600	2	1 Network Control Point Data System (NCPDS) Users Guide (6-93)	■ 256-101-932	2	No. 1A Network Control Point — Line-Number Services Application (LSA) — Output Messages — 1LSA1.1 Generic
■ 256-101-610	1.1	No. 1A Network Control Point — INWATS Data Base (IDB) — Application Description — 1IDB4.1 Generic (2-93)			
■ 256-101-611	1	No. 1A Network Control Point — INWATS Data Base (IDB) — Input Messages — 1IDB4.1 Generic (2-93)			
■ 256-101-612	1.1	No. 1A Network Control Point — INWATS Data Base (IDB) — Output Messages — 1IDB4.1 Generic (2-93)			
■ 256-101-620	1.1	INWATS Data Base (IDB) Application Description — 1IDB5.1 Generic (3/94)			
■ 256-101-621	1	No. 1A Network Control Point — INWATS Data Base (IDB) Input Messages — 1IDB5.1 Generic (3/94)			
■ 256-101-622	1	No. 1A Network Control Point — INWATS Data Base (IDB) Output Messages — 1IDB5.1 Generic (3/94)			
■ 256-101-710	1	No. 1A Network Control Point — Network Call Denial (NCD) — System Description — 1NCD3.1 Generic (8-93)			

## 256-110 No. 2 NCP Product Documentation

### 2NCP Systems Documentation (CSG)

256-110-100	1	2NCP System Documentation Guide
256-110-110	3	2NCP 3.0 System Description
256-110-111	1	2NCP 4.0 System Description Manual
■ 256-110-121	2	2DSD (Direct Service Dailing) — Engineering Guide
■ 256-110-122	1	2PCS System Engineering Guide V1
■ 256-110-123	7	2DSA 2.0 Engineering Guide
256-110-130	7	2NCP 3.0 System Administration Manual
256-110-131	1.5	2NCP 4.0 System Administration Guide
256-110-140	7	2NCP 3.0 System Maintenance Manual
■ 256-110-141	1.4	2NCP 4.0 System Maintenance Guide

Number	Issue	Subject	Number	Issue	Subject
256-110-150	8	2NCP 3.0 System MML Commands and Messages Manual	256-200-510	1	Software Measurements and Reports
■ 256-110-151	1.5	2NCP 4.0 System MML Commands and Messages Manual Vol. 2	<b>256-210 No. 2 STP</b>		
<b>2NCP Special Documentation</b>			■ 256-210-010	3	Operations, Administration and Maintenance
256-110-201	2	2NCP AS (Administrative System) Site Data Administration — User Guide (12-92)	■ 256-210-015	1	No. 2 STP CNOS Recent Change System User's Guide
256-110-202	2	2NCP AS (Administrative System) Network Table Administration — User Guide (12-92)	256-210-100	2	Description
256-110-203	2	2NCP AS (Administrative System) Administration Commands — User Guide (12-92)	256-210-101	2	Ring Node Frame — Description
256-110-204	2	2NCP AS (Administrative System) Monitors, Scheduler, Special Studies — User Guide (12-92)	256-210-102	2	Analog Facility Access Frame — Description
256-110-205	1	2NCP Analysis and Distribution System (NADS) On-Line Reports— User Guide	256-210-103	2	Digital Facility Access Frame — Description
<b>256-112 No. 2 NCP Vendor Documents</b>			256-210-104	2	Maintenance Data Set Frame — Description
256-112-000	--	2NCP FTX Document Set Note: Contains 256-112-110, -111, -120, -121	256-210-105	1	Office Service Frame — Description
256-112-110	1	2NCP FTX User's Guide (Release 1)	256-210-106	5/91	2STP Engineering Guide
256-112-111	1	2NCP FTX User's Reference Manual (Release 1)	256-210-110	2	Voice Frequency Link Test Set — Description
256-112-120	1	2NCP FTX System Administrator's Guide (Release 1)	256-210-111	2	No. 2 STP Engineering Guide V1 Generic 6
256-112-121	1	2NCP FTX System Administrator's Reference (Release 1)	■ 256-210-114	2	Security System (5-95)
<b>256-2 STPs (Signal Transfer Points)</b>			■ 256-210-116	2	No. 2 STP Engineering Guide Generic 7 (5-93) NOTE: Not for Coded Distribution
<b>256-200 No. 1 STP</b>			■ 256-210-120	1	No. 2 STP Generic 8 Engineering Guide (5-94)
256-200-100	2	Description	■ 256-210-125	1	No. 2 STP Engineering Guide V1 Generic 9 (1-95)
256-200-101	1	Controlled Maintenance Plan	<b>256-220 No. 2A STP (Signal Transfer Point)</b>		
256-200-300	1	Office Data Loading Procedure	256-220-099	1	Description
■ 256-200-321	1	Recovery From Catastrophic Failure	256-220-100	1	2ASTP Generic 2 Technical Specification
256-200-322	1	Emergency Recovery Flowchart	256-220-101	1	Ring Node Cabinet
			256-220-103	1	Digital Facility Access Cabinet — Description
			256-220-105	1	Office Services Cabinet — Description
			256-230-100	1	Common Channel Signaling Systems
			■ 256-240-050	1	No. 2/2A Signal Transfer Point — Operation, Administration, and Maintenance Manual

Number	Issue	Subject	Number	Issue	Subject
■ Addendum	1		<b>256-9 International Documents</b>		
256-240-100	1	Generic D4 Technical Specification	<b>256-910/911 NCP (Network Control Point) International Documents</b>		
■ 256-240-105	1	Technical Specification (Generic 5)	<b>British Telecom</b>		
■ 256-240-106	2	No. 2A STP Engineering Guide	256-910-022	D	NSPS Commands Manual
■ 256-240-111	1	A-I-NET (No. 2A STP Generic 6) Engineering Guide for LEC	256-910-023	C	Application Commands Manual
■ 256-240-112	1	Message Trap Job Aid 2STP	256-910-024	D	NCP Commands and Reports Manual
■ 256-240-113	2	Quick Reference Guide (3-92)	256-910-025	C	Application Reports Manual
■ 256-240-116	1	A-I-Net STP — Engineering Guide (12-92)	256-910-026	D	NCP Operation and Administration Manual
<b>256-3 Support Systems</b>			256-910-027	D	NCP Routine Maintenance Manual
<b>256-310 No. 2 NCP Support Systems</b>			■ 256-910-028	1	Intelligent Network Documentation Guide
256-310-110	5	No.2 Network Control Point (2NCP) Direct Services Dialing (2DSD) Support Systems Manual (3.0)	■ 256-910-029	1	Intelligent Network Systems Manual
256-310-111	2/95	No.2 Network Control Point (2NCP) Direct Services Dialing (2DSD) Inbound Features Manual	<b>Spain Intelligent Network</b>		
256-310-112	6	No.2 Network Control Point (2NCP) Direct Services Dialing (2DSD) Support System Manual (4.0)	256-910-101	I	NCP User's Manual Version 1 Generic 1NCPE2.1 1DSDE2.1 1ACCE2.1 — Project Spain
256-310-120	2	2PCS Support System Manual (1.0)	256-910-102	H	Commands and Reports Manual— NSPS Version 1 Commands — Project Spain
256-310-130	1	2DSA Support System Manual (1.0)	256-910-103	F	Commands and Reports Application Manual Version 1 — Spain Project
■ 256-310-131	4/95	2DSA Outbound Features Manual	■ 256-910-104	I	Commands and Reports Manual 2 Volumes — NSPS Reports — Spain Project
■ 256-310-132	2	2DSA Support System Manual (2.0) (4-94)	■ 256-910-105	F	Commands and Reports Manual Version 1 — Application Reports — Project Spain
■ 256-310-140	1	2LAC Support System Manual (1.0) (8-94)	■ 256-910-110	A	NETDG Documentation Guide
■ 256-310-142	1	2LAC Engineering Guide (10-94)	■ 256-910-111	A	Intelligent Network Systems Manual
<b>256-4 CCSS User Offices</b>			<b>Italtel SIP Phase 2A NCP Intelligent Network User Documentation</b>		
256-410-100	1	Description and Requirements — No. 4A Toll Switching System	256-910-201	F	NCP Users Manual V1
			256-910-202	E	NCP CRM/NSPS Commands Manual
			256-910-203	D	NCP CRM Application Commands Manual V1
			256-910-204	D	NCP CRM NSPS Reports Manual V1

Number	Issue	Subject	Number	Issue	Subject
256-910-205	E	NCP CRM Applications Reports Manual V1	256-910-315	H	NCP Application Reports Manual 3.2
■ 256-910-208	A	Documentation Guide V1	256-910-316	I	NCP Operation and Administration Manual 3.2
■ 256-910-209	A	Intelligent Network Systems Manual	256-910-317	I	NCP Routine/Corrective Maintenance Guide 3.2
<b>Italtel SIP Phase 2b NCP Intelligent Network User Documentation</b>			■ 256-910-318	1	Intelligent Network Documentation Guide
■ 256-910-210	--	NCP Complete Set	■ 256-910-319	1	Intelligent Network Systems Manual Italcable Intelligent
■ 256-910-211	A	NCP User's Manual	<b>Korea NCP User Documentation</b>		
256-910-212	H	NCP 3.2 NSPS Commands V1	■ 256-911-302	B	NCP NSPS Commands Manual
256-910-213	G	NCP Application/Commands Manual V1	■ 256-911-303	B	NCP Commands and Reports Applications Commands Manual
256-910-214	H	NCP NSPS Reports Manual V1	■ 256-911-304	B	NCP NSPS Reports Manual
256-910-215	H	NCP 3.2 Application/Reports Manual V1	■ 256-911-305	B	NCP Commands and Reports Applications Reports
256-910-216	I	NCP 3.2 Operation and Administration Manual V1	■ 256-911-306	B	NCP Operations and Administration
256-910-217	I	NCP 3.2 Routine Maintenance Manual V1	■ 256-911-307	B	NCP Routine and Corrective Maintenance
■ 256-910-218	2	Documentation Guide	■ 256-911-308	1	Intelligent Network — Documentation Guide
■ 256-910-219	1	Intelligent Network Systems Manual	■ 256-911-309	1	Intelligent Network — Systems Manual
<b>Italtel Italcable Phase 1 NCP Intelligent Network User Documentation</b>			<b>Spain Virtual Private Network (VPN) 4.1</b>		
256-910-301	E	NCP User's Manual	256-911-502	C	NCP 4.1 NSPS Commands and Reports Manual
256-910-302	E	NCP Commands and Report Manual V1 DEX	256-911-503	D	NCP 4.1 Application Commands Manual
256-910-303	D	NCP Commands and Reports Manual Application Commands Manual	256-911-504	C	NCP 4.1 NSPS Reports Manual (2 Vols.)
256-910-304	D	NSPS Commands and Reports Manual V2	256-911-505	C	NCP 4.1 Application Reports Manual
256-910-305	E	NCP Commands and Reports Manual Application Reports Manual	256-911-506	D	NCP 4.1 Operations and Administration Manual
256-910-308	A	Documentation Guide	256-911-507	C	NCP 4.1 Routine and Corrective Maintenance Guide V1
256-910-309	A	Italcable System Manual V1	<b>SCP II International</b>		
<b>Italtel Italcable Phase 2 NCP Intelligent Network User Documentation</b>			<b>Italy (SIP) - SCP II 5.1 Documentation</b>		
■ 256-910-311	A	NCP Users Manual	256-912-032	E	SCP II 5.1 Node Support System Commands Manual
256-910-312	H	NCP 3.2 NSPS Application Commands Manual V1	256-912-033	B	SCP II 5.1 Application Commands Manual
256-910-313	G	NCP Application Commands Manual V1			
256-910-314	G	NCP NSPS Reports Manual			

Number	Issue	Subject	Number	Issue	Subject
256-912-034	E	SCP II 5.1 Node Support System Reports Manual	<b>256-930 NSCX for International</b>		
256-912-035	D	SCP II 5.1 Application Reports Manual	<b>United Kingdom</b>		
256-912-036	C	SCP II 5.1 Operations and Administration Manual	256-930-001	A	NSCX UK Commands and Reports Manual
256-912-037	E	SCP II 5.1 Routine and Corrective Maintenance Manual	256-930-002	A	NSCX UK Operation and Maintenance Manual
<b>Teleway Japan SCP II Documentation</b>			256-930-003	A	NSCX UK Hardware Manual
256-912-052	E	SCP II 5.1 NSPS Commands Manual	256-930-004	A	NSCX UK Functions Manual
256-912-053	C	SCP II 5.1 Application Commands Manual	256-930-010	A	NSCX UK Users Manual
256-912-054	E	SCP II 5.1 NSPS Reports Manual	<b>Spain</b>		
256-912-055	D	SCP II 5.1 Application Reports Manual	■ 256-930-101	D	NSCXCR Command Reports Manual
256-912-056	D	SCP II 5.1 Operations and Administration Manual	■ 256-930-102	D	NSCX Users Manual
256-912-057	E	SCP II 5.1 Routine and Corrective Maintenance Manual	<b>Teleway Japan</b>		
■ 256-912-058	1	Intelligent Network Documentation Guide	256-930-211	1	NSCX Commands and Reports Manual
■ 256-912-059	1	Intelligent Network Systems Introduction	256-930-212	1	NSCX Operations and Maintenance Procedures
<b>Taiwan SCP II Documentation</b>			256-930-213	1	NSCX Hardware Manual
256-912-062	C	SCP II 5.1 NSPS Commands Manual	256-930-214	1	NSCX Functions Manual
256-912-063	C	SCP II 5.1 Application Commands Manual	<b>Teleway Taiwan</b>		
256-912-064	D	SCP II 5.1 NSPS Reports Manual	■ 256-930-221	1	NSCX Commands and Reports Manual
256-912-065	C	SCP II 5.1 Application Reports Manual	■ 256-930-222	1	NSCX Operations and Maintenance Procedures
256-912-066	B	SCP II 5.1 Operations and Administration Manual	■ 256-930-223	1	NSCX Hardware Manual
256-912-067	D	SCP II 5.1 Routine and Corrective Maintenance Manual	■ 256-930-224	1	NSCX Functions Manual
■ 256-912-068	1	Intelligent Network Documentation Guide	<b>Korea</b>		
■ 256-912-069	2	Intelligent Network 9.2 System Introduction	256-930-301	A	Commands and Reports Manual
<b>256-920 STP (Signal Transfer Point) International Documents</b>			256-930-302	A	Operation and Maintenance Manual
■ 256-920-100AC	1	Product Release Document for Signal Transfer Point International Operations Division	256-930-303	A	Hardware Manual
			256-930-304	A	Functions Manual

**Division 270**

**Advanced Intelligent Network (A-I-Net®) Products**

**270-0 Indexes and Information Releases**

**-099 Customer Information Releases (CIRs)**

**270-7 Advanced Intelligent Network (A-I-Net®) Products**

**-700 General**

**-710 A-I-Net Service Development**

**-720 A-I-Net Service Support**

**-730 A-I-Net Service Circuit Node (SCN)**

**-740 A-I-Net Service Control Point (SCP)**

**-750 A-I-Net Signal Transfer Point (STP)**

**-760 StarServer® FT Release 4.1 A-I-Net Service Circuit Node (SCN)**

**-770 StarServer FT Release 4.1 A-I-Net Service Control Point (SCP)**

Number	Issue	Subject
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**270-0 Index**

**270-0 Indexes and Information Releases**

270-000-000	11	Numerical Index — Division 270 — Advanced Intelligent Network (A-I-Net®) Products (5-95)
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**270-099 Customer Information Releases (CIRs)**

■ 270-099-001	1	Spares Exchange Service for A-I-Net Service Circuit Node and Service Control Point Products (10-94)
■ 270-099-002IR	10/94	Automatic Speech Recognition (ASR) Images for A-I-Net Service Circuit Node (SCN) Product

**270-7 Advanced Intelligent Network (A-I-Net®) Products**

**270-700 General**

■ 270-700-010	1	A-I-Net Documentation Road Map (8-94)
■ 270-700-015	2.00	A-I-Net Feature Handbook
■ 270-700-100	1.00	A-I-Net Products On-Line Documentation — UNIX Tape (1-95)

**Number**

**Issue**

**Subject**

■ 270-700-101	1.00	A-I-Net Products On-Line Documentation — CD-ROM (1-95)
■ 270-700-102	1.00	A-I-Net Products On-Line Documentation — UNIX CD-ROM (Release 4) (1-95)
■ 270-700-103	1.00	A-I-Net Products On-Line Documentation — UNIX Tape (Release 5) (5-95)
■ 270-700-104	1.00	A-I-Net Products On-Line Documentation — CD-ROM for Windows (Release 5) (5-95)
■ 270-700-105	1.00	A-I-Net Products On-Line Documentation — UNIX CD-ROM (Release 5) (5-95)

**270-710 A-I-Net Service Development**

**Service Creation Environment (SCE)**

■ 270-710-010	4	SCE System Description (8-94)
■ 270-710-012	3.2	SPA Development Process (4-95)
■ 270-710-014	5	SCP Actions and Events (3-95)
■ 270-710-016	4.01	SCN Actions and Events
■ 270-710-018	4	Using A-I-Net Network Programming Languages: SLL and DGL (8-94)
■ 270-710-028	5.00	SCE System Administration Guide (8-94)
■ 270-710-029	1	Using SCE Tools

**Base Application Development Environment (BADE)**

■ 270-710-110	2	Introducing the Base ADE (8-94)
■ 270-710-112	2.01	Using Base ADE Tools (12-94)
■ 270-710-114	2	Source, Executables, and Library Routines (8-94)
■ 270-710-116	2	Writing Service Circuit Handlers (8-94)
■ 270-710-124	2	Managing the Action Executor (AEX) Library (10-94)
■ 270-710-228	1	Using SCE Tools (Release 2)
■ 270-710-229	1	Using SCE Tools (Release 3)
■ 270-710-230	1	Using SCE Tools (Release 4) (8-94)
■ 270-710-231	1	Using SCE Tools (Release 5) (5-95)

**TACSVAS**

■ 270-710-302	1.01	TACSVAS Operations, Administration, and Maintenance
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Number	Issue	Subject	Number	Issue	Subject
<b>270-720 A-I-Net Service Support</b>					
<b>A-I-Net Service Management System (SMS)</b>					
■ 270-720-310	1	A-I-Net SMS Operations, Administration, and Maintenance (1-95)	■ 270-730-360	1	SCN Precutover and Cutover Procedures (Release 3)
■ 270-720-311	1	A-I-Net SMS Service Management Guide (1-95)	■ 270-730-361	1	SCN Precutover and Cutover Procedures (Release 4)
<b>270-730 A-I-Net Service Circuit Node (SCN)</b>					
<b>General</b>					
■ 270-730-010	4	SCN System Description (8-94) Note: Supports StarServer FT R2	<b>Operations</b>		
■ 270-730-012	1	SCN Technical Specifications (Release 2)	■ 270-730-401	3.01	SCN SPA Operations, Administration, and Maintenance
■ 270-730-013	1	SCN Technical Specifications (Release 3)	■ 270-730-410	5.00	SCN System Operations and Administration (3-95)
■ 270-730-014	1	SCN Technical Specifications (Release 4) (8-94) Note: Supports StarServer FT R2	■ 270-730-412	6.00	SCN Input Messages (3-95)
<b>Engineering and Administration</b>			■ 270-730-413	6.00	SCN Output Messages (3-95)
■ 270-730-210	4	SCN Building Engineering Guidelines (8-94) Note: Supports StarServer FT R2	■ 270-730-415	2	SCN Recent Change (Release 2)
■ 270-730-211	2	SCN Traffic Engineering Guidelines (8-94)	■ 270-730-416	1.02	SCN Recent Change and Verify (Release 3)
■ 270-730-214	2.01	SCN Network Administration	■ 270-730-417	1	SCN Recent Change (Release 4)
■ 270-730-222	1	SCN Equipment Engineering And Ordering Guidelines (Release 2)	■ 270-730-450	2	SCN Asserts Manual (8-94)
■ 270-730-223	1	SCN Equipment Engineering And Ordering Guidelines (Release 3)	■ 270-730-475	1	SCN Host Switch Translations (8-94)
■ 270-730-224	1.01	SCN Equipment Engineering And Ordering Guidelines (Release 4) (12-94) Note: Supports StarServer FT R2	<b>Maintenance</b>		
<b>Installation</b>			■ 270-730-510	3	SCN Maintenance Reference Handbook Note: Supports StarServer FT R2
■ 270-730-311	1	SCN Retrofit and Growth Procedures (Release 2)	■ 270-730-511	3	SCN Preventive (Routine) Maintenance (8-94) Note: Supports StarServer FT R2
■ 270-730-312	1.01	SCN Retrofit and Growth Procedures (Release 3)	■ 270-730-512	3.01	SCN Corrective Maintenance Note: Supports StarServer FT R2
■ 270-730-313	1	SCN Retrofit and Growth Procedures (Release 4) (8-94) Note: Supports StarServer FT R2	■ 270-730-513	3.02	SCN System Recovery Note: Supports StarServer FT R2
■ 270-730-314	1	SCN Retrofit and Growth Procedures (Release 5) for the StarServer FT 2 Computer (3-95)	<b>270-740 A-I-Net Service Control Point (SCP)</b>		
			<b>General</b>		
			■ 270-740-010	5.00	SCP System Description for the StarServer FT Release 2 Computer (3-95)
			■ 270-740-012	1	SCP Technical Specifications (Release 2)
			■ 270-740-013	1	SCP Technical Specifications (Release 3)
			■ 270-740-014	1	SCP Technical Specifications (Release 4) Note: Supports StarServer FT R2
			■ 270-740-015	1.00	SCP Technical Specifications (Release 5) for the StarServer FT Release 2 Computer (3-95)

Number	Issue	Subject
<b>Engineering and Administration</b>		
■ 270-740-210	4	SCP Building Engineering Guidelines (8-94) Note: Supports StarServer FT R2
■ 270-740-211	2	SCP Traffic Engineering Guidelines (8-94)
■ 270-740-214	3	SCP Network Administration (8-94)
■ 270-740-222	1	SCP Equipment, Engineering, and Ordering Guidelines (Release 2)
■ 270-740-223	1	SCP Equipment, Engineering, and Ordering Guidelines (Release 3)
■ 270-740-224	1.01	SCP Equipment, Engineering, and Ordering Guidelines (Release 4) Note: Supports StarServer FT R2
<b>Installation</b>		
■ 270-740-311	1	SCP Retrofit and Growth Procedures (Release 2)
■ 270-740-312	1.01	SCP Retrofit and Growth Procedures (Release 3)
■ 270-740-313	1	SCP Retrofit and Growth Procedures (Release 4) (8-94) Note: Supports StarServer FT R2
■ 270-740-314	1.00	SCP Retrofit and Growth Procedures (Release 5) for the StarServer FT Release 2 Computer (3-95)
■ 270-740-360	1	SCP Precutover and Cutover Procedures (Release 3)
■ 270-740-361	1	SCP Precutover and Cutover Procedures (Release 4)
<b>Operations</b>		
■ 270-740-401	3.01	SCP SPA Operations, Administration, and Maintenance (12-94)
■ 270-740-410	5.00	SCP System Operations and Administration (4-95)
■ 270-740-412	5.02	SCP Input Messages
■ 270-740-413	5.02	SCP Output Messages
■ 270-740-415	2	SCP Recent Change (Release 2)
■ 270-740-416	1.01	SCP Recent Change and Verify (Release 3)
■ 270-740-417	1.01	SCP Recent Change (Release 4) (12-94)
■ 270-740-418	1.00	SCP Recent Change and Verify (Release 5) (3-95)

Number	Issue	Subject
■ 270-740-450	2	SCP Asserts Manual (8-94)
<b>Maintenance</b>		
■ 270-740-510	4	SCP Maintenance Reference Handbook (8-94) Note: Supports StarServer FT R2
■ 270-740-511	3	SCP Preventive (Routine) Maintenance (8-94) Note: Supports StarServer FT R2
■ 270-740-512	3	SCP Corrective Maintenance (8-94) Note: Supports StarServer FT R2
■ 270-740-513	3	SCP System Recovery (8-94) Note: Supports StarServer FT R2

**270-750 A-I-Net Signal Transfer Point (STP) 2000**

<b>Engineering and Administration</b>		
■ 270-750-201	1	STP Rel. 2 Technical Specifications Guide
■ 270-750-202	1	STP Rel. 2 Engineering Guide NOTE: Not for Coded Distribution
<b>Operations</b>		
■ 270-750-401	1	STP System Description
■ 270-750-402	1	Operations and Maintenance Procedures: Ring and Link
■ 270-750-403	1	Operations and Maintenance Procedures Office, Routing, Network Systems
■ 270-750-404	1	Input Messages
■ 270-750-405	1	Output Messages
■ 270-750-407	1	Reference Manual — Vol 1: Display Pages, Audits — Vol 2: Diagnostics and Programs

**270-760 StarServer FT Release 4.1 A-I-Net Service Circuit Node**

<b>General</b>		
■ 270-760-010	1	System Description (8-94)
■ 270-760-012	1	Technical Specifications (8-94)
<b>Engineering and Administration</b>		
■ 270-760-210	1	Building Engineering Guidelines (8-94)
■ 270-760-224	1.01	Equipment Engineering and Ordering Guidelines (12-94)

Number	Issue	Subject	Number	Issue	Subject
■ 270-760-225	1.00	A-I-Net SCN Software Release 5.0 Equipment Engineering and Ordering Guidelines for the StarServer FT Release 4.1 Computer (3-95)	■ 270-770-312	1.00	A-I-Net SCP Release 5.0 Retrofit and Growth Procedures for the StarServer FT Release 4.1 Computer (3-95)
<b>Installation</b>			<b>Maintenance</b>		
■ 270-760-311	1.01	Retrofit and Growth Procedures (12-94)	■ 270-770-510	1	Maintenance Reference Handbook (8-94)
■ 270-760-312	1.00	A-I-Net SCN Software Release 5.0 Retrofit and Growth Procedures for the StarServer FT Release 4.1 Computer (3-95)	■ 270-770-511	1	Preventive (Routine) Maintenance (8-94)
<b>Maintenance</b>			■ 270-770-512	1	Corrective Maintenance (8-94)
■ 270-760-510	1	Maintenance Reference Handbook (8-94)	■ 270-770-513	1.01	System Recovery
■ 270-760-511	1	Preventive (Routine) Maintenance (8-94)			
■ 270-760-512	1	Corrective Maintenance (8-94)			
■ 270-760-513	1.02	System Recovery			
<b>270-770 StarServer FT Release 4.1 A-I-Net Service Control Point</b>					
<b>General</b>					
■ 270-770-010	2.00	A-I-Net SCP System Description for the StarServer FT Release 4.1 Computer (3-95)			
■ 270-770-012	1	Technical Specifications (8-94)			
■ 270-770-013	1.00	A-I-Net SCP Release 5.0 Technical Specifications for the StarServer FT Release 4.1 Computer (3-95)			
<b>Engineering and Administration</b>					
■ 270-770-210	1	Building Engineering Guidelines (8-94)			
■ 270-770-224	1.01	Equipment Engineering and Ordering Guidelines (12-94)			
■ 270-770-025	1.00	A-I-Net SCP Release 5.0 Equipment Engineering and Ordering Guidelines for the StarServer FT Release 4.1 Computer (3-95)			
<b>Installation</b>					
■ 270-770-311	1	Retrofit and Growth Procedures (8-94)			



**Division 300**

**Transmission Systems and Testing Cross-Reference List**

**300-0 Indexes and Cross-Reference List**

- 000 Index
- 020 Cross-Reference List
- 099 Customer Information Release (CIR)
- 100 CD-ROM Media Documentation

Number	Issue	Subject
<b>300-0 Indexes and Cross-Reference List</b>		
<b>300-000 Index</b>		
300-000-000	23	Numerical Index — Division 300 — Transmission Systems and Testing — Cross- Reference List
<b>300-020 Cross-Reference List</b>		
300-020-006	19	E Series to Plant Series
300-020-007	10	AB Series to Nine-Digit Numbering Plan
<b>300-099 Customer Information Release (CIR)</b>		
300-099-001	1	Electronic Documentation for Transmission System Products

Number	Issue	Subject
<b>300-100 CD-ROM Media Documentation</b>		
Ⓢ300-100-010	1	Transmission Systems (CD-ROM) Note: This includes 300-100-011 through 300-100-019
Ⓢ300-100-011	1	SLC® Series 5— Does Not Include GTE Documents (CD-ROM)
Ⓢ300-100-012	1	SLC®-2000 (CD-ROM) Access System
Ⓢ300-100-013	1	DDM-Plus (CD-ROM)
Ⓢ300-100-014	1	DDM-1000 (CD-ROM)
Ⓢ300-100-015	1	DDM-2000— Includes OC-3 and OC-12— (CD-ROM)
Ⓢ300-100-016	1	FT-2000 (CD-ROM)
Ⓢ300-100-017	1	DACS II— PDS 24 Domestic (CD-ROM)
Ⓢ300-100-018	1	DACS III-2000 (CD-ROM)
Ⓢ300-100-019	1	DACS IV-2000 (CD-ROM)
Ⓢ300-100-020	1	CD ROM All Access Products
Ⓢ300-100-021	1	CD ROM DACSCAN™ C MOD
Ⓢ300-100-022	1	CD ROM DACSCAN T MOD
Ⓢ300-100-023	1	CD ROM I 2000
Ⓢ300-100-030	1	CD ROM All Transport Products

**Division 301****Transmission Performance Measurement Plans****301-0 Index****301-1 Trunk Transmission Maintenance Measurement Plans**

- 121 Loss Component
- 122 Noise Component
- 123 Balance Component
- 124 Mechanized Summary Procedure
- 133 Balance Survey Methods
- 140 Network Trunk Transmission Measurement Plan

**301-2 Connection Appraisal Plans**

- 200 Connection Appraisal Index

Number	Issue	Subject
<b>301-0 Index</b>		
301-000-000	50	Numerical Index — Division 301 — Transmission Performance — Measurement Plans
<b>301-1 Trunk Transmission Maintenance Measurement Plans</b>		
Addendum	1	
301-120-100	2	General Description
301-120-500	4	Trunk Transmission Maintenance Index — Manual Summary Procedures
<b>301-121 Loss Component</b>		
Addendum	1	
301-121-100	2	General Description
Addendum	1	
301-121-300	2	Index Tables
Addendum	1	
301-121-500	4	Manual Summary Procedures

Number	Issue	Subject
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**301-122 Noise Component**

Addendum	2	
301-122-100	1	General Description 1
301-122-300	2	Index Tables
Addendum	1	
301-122-500	3	Manual Summary Procedures

**301-123 Balance Component**

301-123-100	5	General Description
301-123-300	2	Index Tables 1
301-123-500	4	Manual Summary Procedures

**301-124 Mechanized Summary Procedure**

301-124-100	1	General Description
301-124-110	1	Description of Outputs 1

**301-133 Balance Survey Methods**

301-133-100	4	General Description
301-133-500	3	Survey Procedures

**301-140 Network Trunk Transmission Measurement Plan**

301-140-100	1	General Description
301-140-110	1	Manual Trunk Transmission Tests — Summarization Procedures
301-140-120	1	Outgoing Trunk Transmission System and Automatic Transmission Measuring System — Summarization Procedures
301-140-130	1	Centralized Automatic Reporting on Trunks — Issue 2 (2CAROT2) Summarization Procedures
301-140-140	1	Centralized Automatic Reporting on Trunks — Issue 3 (2CAROT3) Summarization Procedures
301-140-150	1	NTTMP Data Transformation

**301-2 Connection Appraisal Plans****301-200 Connection Appraisal Index**

301-200-100	3	Network Interoffice Transmission Measurement Plan Description
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**Division 304**

**Transmission Data**

**304-0 Index, General Information and Computation Aids**

**304-1 Open Wire, Multiple Wire and Cable Data**

**304-2 Equipment Data**

**304-3 Insertion Loss, Reflection Loss, Circuit Junction Loss, and Transducer Loss Data**

**304-4 Return Loss Data**

**304-5 Crosstalk Data**

**304-6 Systems Data**

Number	Issue	Subject
<b>304-0 Index, General Information and Computation Aids</b>		

**304-000 Index**

304-000-000	25	Numerical Index — Division 304 — Transmission Data
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**304-001 Test Line Directories**

304-001-100	2	Transmission Losses Introduced by Reflection Effects
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**304-005/010 Computation Aids**

304-005-100	1	Relation Between dB and Power Ratio — Gains
304-006-100	1	Relation Between dB and Voltage or Current Ratio — Gains
304-007-100	1	Combination of Two Quantities in Decibels
304-008-100	1	Reflection Losses — Decibels
304-008-101	1	Alignment Chart for Reflection Losses — Decibels
304-009-100	1	Charts for Evaluation of Complex Quantities
304-010-100	1	Sampling — Table of Random Decimal Digits

Number	Issue	Subject
<b>304-015/022 Charts for Determination of Input Impedance of Cables</b>		

**Input Impedance of Non-Loaded Cable with any Termination**

304-015-100	2	General
304-016-100	1	19 Gauge — ANB, DNB
304-017-100	1	19 Gauge — CNB, ENB
304-018-100	1	22 Gauge ASA, BSA, CSA
304-019-100	1	24 Gauge ASM, CSM
304-020-100	1	24 Gauge DSM
304-021-100	1	26 Gauge BST

**Input Impedance of Loaded and Non-Loaded Cable — Arbitrary Lengths and Gauges**

304-022-100	1	Determination of Input Impedance of Loaded and Non-Loaded Lines of Arbitrary Lengths and Terminations
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**304-1 Open Wire, Multiple Wire and Cable Data**

**304-100/106 Open Wire Transmission Data**

Addendum	4	
304-100-100	1	Transmission Characteristics of Open Wire Circuits

**Open Wire Losses at 1000 Cycles**

304-101-100	3	Dry Weather Loss at 68 F°
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**Open Wire Losses at Carrier Frequencies**

304-102-100	4	Wet Weather Loss
304-102-101	2	Wet Weather Losses — 155 to 410 Kilocycles — Copper or Copper-Steel Wire
304-102-102	2	Dry Weather Losses
304-102-103	2	Dry Weather Losses — 155 to 410 Kilocycles — Copper or Copper-Steel Wire

**Open Wire Impedance, Attenuation and Phase**

304-105-100	1	104, 128 and 165 mil Copper — 12 Spacing — S and P
304-105-101	1	104, 128 and 165 mil Copper — 6 and 8 Spacing — S
304-105-102	2	80, 104-128 and 165 mil Copper-Steel (40 ) — 12 Spacing — S and P

Number	Issue	Subject
304-105-103	2	80, 104, 128 and 165 mil Copper-Steel (40 ) — 8 Spacing — S and P
304-105-104	1	104 and 128 mil Copper-Steel (30 ) — 8 and 12 Spacing — Side Circuits
304-105-105	1	80 mil Copper, 109 and 134 mil Steel — 12 Spacing S and P

**304-110/112 Multiple Wire Transmission Data****Primary and Secondary Constants**

304-110-100	2	B Rural Distribution Wire — Primary
304-110-101	2	B Rural Distribution Wire — Secondary
304-111-100	1	B Urban Wire — Primary
304-111-101	1	B Urban Wire — Secondary
304-112-100	1	C Rural Wire — Primary
304-112-101	1	C Rural Wire — Secondary
304-113-100	1	D Underground Wire

**304-120/177 Cable Transmission Data****Cable Data**

304-120-100	1	Transmission Characteristics of Non-Loaded Toll and Toll Entrance Cable Pairs
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**Primary and Secondary Constants**

304-130-100	2	16 Gauge NH-TH — Primary
304-130-101	2	16 Gauge TH — Secondary
304-131-100	3	19 Gauge ANB, DNB, GNB Primary
304-131-101	3	19 Gauge ANB, DNB, GNB Secondary
304-131-102	1	19 Gauge ANB, DNB — Hyperbolic Functions of Propagation Constants
304-132-100	3	Primary Constants of Nonloaded Cable — 19 Gauge CNB, ENB, FNB
304-132-101	3	Secondary Constants of Nonloaded Cable — 19 Gauge CNB, ENB, FNB
304-132-102	1	19 Gauge CNB, ENB, Hyperbolic Functions of Propagation Constants
304-133-100	3	Primary Constants of Non-Loaded Cable — 22 Gauge ASA, BSA, CSA, DSA, ESA

Number	Issue	Subject
304-133-101	3	Secondary Constants of Non-Loaded Cable — 22 Gauge ASA, BSA, CSA
304-133-102	1	22 Gauge ASA, BSA, CSA — Hyperbolic Functions of Propagation Constants
304-134-100	2	24 Gauge ASM, CSM — Primary
304-134-101	2	24 Gauge ASM, CSM — Secondary
304-134-102	1	24 Gauge ASM, CSM — Hyperbolic Functions of Propagation Constants
304-135-100	3	24 Gauge DSM — Primary
304-135-101	3	24 Gauge DSM — Secondary
304-135-102	1	24 Gauge DSM — Hyperbolic Functions of Propagation Constants
304-136-100	2	26 Gauge AST — Primary
304-136-101	2	26 Gauge AST — Secondary
304-136-102	1	26 Gauge AST — Hyperbolic Functions of Propagation Constants
304-137-100	3	26 Gauge BST — Primary
304-137-101	3	26 Gauge BST — Secondary
304-137-102	1	26 Gauge BST — Hyperbolic Functions of Propagation Constants

**Secondary Constants of Loaded Cable**

304-140-100	2	19 Gauge DNB — B88 Loading
304-140-101	2	19 Gauge DNB — D88 Loading
304-140-102	2	19 Gauge DNB — H44 Loading
304-140-103	2	19 Gauge DNB — H88 Loading
304-141-100	2	19 Gauge CNB, ENB, FNB — B88 Loading
304-141-101	2	19 Gauge CNB, ENB, FNB — B135 Loading
304-141-102	2	19 Gauge CNB, ENB, FNB — D88 Loading
304-141-103	2	19 Gauge CNB, ENB, FNB — H44 Loading
304-141-104	2	19 Gauge CNB, ENB, FNB — H88 Loading
304-142-100	2	22 Gauge ASA, BSA, CSA, DSA, ESA — B88 Loading
304-142-102	2	22 Gauge ASA, BSA, CSA, DSA, ESA — D88 Loading
304-142-103	2	22 Gauge ASA, BSA, CSA, DSA, ESA — H44 Loading



Number	Issue	Subject	Number	Issue	Subject
304-142-104	2	22 Gauge ASA, BSA, CSA, DSA, ESA — H88 Loading	304-168-100	2	19 ga. Toll Cable
304-143-100	1	24 Gauge ASM, CSM — B88 Loading	304-168-101	2	19 ga. DNB Cable
304-143-101	1	24 Gauge ASM, CSM — H44 Loading	304-168-102	2	19 ga. CNB or ENB Cable
304-143-102	1	24 Gauge ASM, CSM — H88 Loading	304-168-103	2	19 ga. PIC Cable
304-144-100	2	24 Gauge DSM — B88 Loading	304-168-104	1	19 ga. PIC Cable
304-144-101	2	24 Gauge DSM — D88 Loading	304-169-100	2	22 ga. ANA Cable
304-144-102	2	24 Gauge DSM — H44 Loading	304-169-101	3	22 ga. CSA Cable
304-144-103	2	24 Gauge DSM — H88 Loading	304-169-102	1	22 ga. PIC Cable
304-145-100	1	26 Gauge AST — H88 Loading	304-170-100	2	24 ga. CSM Cable
304-146-100	2	26 Gauge BST — H88 Loading	304-170-101	2	24 ga. DSM Cable
			304-171-100	1	Cable Loss at 772 Kilocycles for Engineering T1 Carrier Systems
			304-172-100	1	Frequency-Attenuation Characteristics — WE® CA-1878 Cable (Polyethylene Jacketed, Single, .375 Coaxial)
<b>Cable Impedance Data</b>			<b>Quadded Cable Impedance Attenuation and Phase Data</b>		
<b>Input Impedance of Non-Loaded Cable With Short-Circuit and Open-Circuit Termination</b>			304-175-100	1	19, 16, 13 and 10 ga. Cable (.062 uf/mi) Non-Loaded Cable
304-150-100	1	19 Gauge CNB	304-175-102	1	19 and 16 Gauge H-86-32 Loaded Cable
304-151-100	1	22 Gauge CSA	304-175-103	1	19 Gauge H-88-50 Loaded Cable
304-152-100	1	24 Gauge DSM	304-175-104	1	19 Gauge B-88-50 Loaded Cable
<b>Input Impedance of Loaded Cable with Short-Circuit and Open-Circuit Termination</b>			304-175-105	1	19 and 16 Gauge 44-25 Loaded Cable
304-153-100	1	22 Gauge CSA — H44 Loading	304-176-100	1	Transmission Characteristics Polyethylene Insulated Video Pairs — 16 PSV and 16 PEV
304-153-101	1	22 Gauge CSA — H88 Loading			
<b>Attenuation of Miscellaneous Cables at 1000 HZ</b>			<b>304-2 Equipment Data</b>		
304-160-100	4	Outside Plant Cable and Paired Conductor Facilities	<b>304-200 Graphical Determination of Input Impedance of Repeating Coil With Any Terminating Impedance</b>		
304-161-100	1	Toll Cable Facilities with Common Types of Loading	304-200-100	1	General
304-161-101	1	Toll Cable Facilities with Unusual Types of Loading	304-200-101	1	94E Coil
304-162-100	1	Exchange Type Cables in Toll Circuits	304-200-102	1	94F Coil
304-163-100	1	Entrance and Intermediate Cables	304-201-100	1	120C Coil
304-164-100	1	Non-Loaded Facilities — From Length and Resistance	304-201-101	1	120D Coil
<b>Cable Losses at Carrier Frequencies</b>			304-201-102	1	120E Coil
304-165-100	1	Entrance Cables	304-201-103	1	120CS Coil
304-166-100	1	K Carrier Cables	304-201-104	1	120DS Coil
304-167-100	2	16 ga. Toll Cable			
304-167-101	2	16 ga. NH Cable			

Number	Issue	Subject
<b>Equipment Losses at 1000 Cycles</b>		
304-203-100	1	Composite Sets
304-204-100	2	Repeating Coils — General
304-204-101	1	4-Wire Repeating Coils and Associated Equipment
304-204-102	2	Hybrid Repeating Coils — 2-Wire Cable Circuits
304-204-103	1	V-1 Hybrid Repeating Coils — Open Wire
304-204-104	2	Hybrid Repeating Coils No. 4 Toll Switching System
304-205-100	4	4-Wire Terminating Sets
304-206-100	1	Combinations of Line Equipment for Open Wire
304-207-100	2	Signaling Equipment — Equipment Losses
304-208-100	1	Miscellaneous Equipment and Arrangements
304-209-100	2	Miscellaneous Carrier Equipment
304-210-100	1	Special Equipment for Telephotograph Circuits

<b>Equipment Losses at Carrier Frequencies</b>		
304-220-100	2	Miscellaneous Line Equipment

<b>Equivalent T-Networks for Equipment</b>		
304-230-100	1	46, 62, 75, 91, and 93 Type Repeating Coils
304-230-101	1	Unity Ratio 94, 101 and 120 Type Repeating Coils
304-231-100	1	16A (14A) Autotransformer
304-231-101	1	16B (14B) Autotransformer
304-231-102	2	24A Autotransformer
304-231-103	1	D85697 Autotransformer
304-232-100	1	Terminal Composite Sets

**304-3 Insertion Loss, Reflection Loss, Circuit Junction Loss, and Transducer Loss Data**

<b>Insertion Loss at Voice Frequencies</b>		
304-300-100	1	Loss at 1000 Hz Due to Insertion of Short Lengths of Non-Loaded Quadded Cable in O.W. Circuits
304-300-101	1	Insertion Losses of Nonloaded Cable Pairs — 26 BST, 24 DSM, 22 CSA, 19 CNB and 19 DNB Gauges

Number	Issue	Subject
304-300-102	1	Length — Resistance — Insertion Loss — Nonloaded High-Capacitance Cable Pairs
304-300-103	1	Insertion Loss of Office Cable, 0.5 to 3.5 kHz

<b>Insertion Loss at Carrier Frequencies</b>		
304-301-100	1	Loss Due to Insertion of 13, 16 and 19 ga. Non-Loaded Cable in Open Wire Circuits

<b>Reflection Loss at 1000 Cycles</b>		
304-302-100	1	Junction of Open Wire and Loaded Cable
304-303-100	1	Junction of Non-Loaded Cable with Other Facilities

<b>Reflection and Junction Loss — Carrier Frequencies</b>		
304-304-100	1	772 KC — Junction Loss in DB for Engineering T1 Carrier Systems

<b>Transducer Loss</b>		
304-305-100	2	Transducer Loss for Cable Facilities — Manual Calculation Methods

**304-4 Return Loss Data**

<b>Repeater Section Return Loss and Singing Point</b>		
304-400-100	1	Toll Cable — Singing — (Nominal Values)
304-400-101	1	Toll Cable — Echo

<b>Structural Return Losses</b>		
304-401-100	1	Toll Cable — Structural Return Loss and Singing Point
304-402-100	1	Open Wire — Structural Singing Point
304-403-100	1	For Stability and Singing Margin Design Purposes Exchange Area Facilities
304-403-101	1	Adjustments for Short Lengths of Loaded Facility
304-404-100	1	Computed Structural Return Losses in the Echo Range — Exchange Area Facilities

Number	Issue	Subject	Number	Issue	Subject
<b>Circuit Junction Return Loss</b>			304-414-100	1	Non-Loaded Cable in Open Wire
304-405-100	1	Loaded Entrance Cable Vs. 8 Copper Open Wire Sides	304-415-100	1	Loaded Intermediate Cable in Open Wire
304-405-101	1	Loaded Entrance Cable Vs. 12 Copper Open Wire Sides	304-416-100	1	Change in Type of Open Wire
304-405-102	1	Loaded Entrance Cable Vs. 18 Copper Open Wire Sides	<b>Intermediate Equipment Return Loss</b>		
304-405-103	1	Loaded Entrance Cable Vs. Copper Open Wire Phantoms	304-420-100	1	16A, 16B and D-85697 Auto-transformers
304-406-100	1	Toll Cable Vs. Open Wire, Toll Cable Vs. Toll Cable, Open Wire Vs. Open Wire	304-421-101	1	24A Autotransformer and N.L. Cable
304-407-100	1	Open Wire Vs. Open Wire (12 Sides) of Unusual Gauges and Material	304-422-100	1	28B (30B) Filter
304-408-100	1	Between Loaded Facilities	304-423-100	1	36B and 34A Filters — 51A and 52A Filters
304-408-101	1	Between Loaded and Non-Loaded Facilities	304-424-100	1	85C (86A) Filter
304-408-102	1	Between Mixed Gauge Non-Loaded Facilities	304-425-100	1	102A Filter
304-408-103	1	Facility Losses at 68F for Referring Return Loss in Computing Line Section Return Loss	304-426-100	1	121A Filter
304-408-104	1	Facility Losses Adjusted to Allow for Temperature Variations of Aerial Cable in Computing Line Section Return Loss	<b>304-5 Crosstalk Data</b>		
304-409-100	1	Chart for Obtaining the Reference Deviation of a Loading System	<b>Open Wire Crosstalk — Far End Type Unbalance Times Frequency — Real and Imaginary Components</b>		
304-409-101	1	Typical Improvement in Structural Return Loss with Deviation Test Splicing — Exchange Area Facilities	304-500-100	1	Data for Relative Types A/A to H/H and I/I to P/P
304-410-100	1	Effect of Series Type Negative Impedance Repeater on Line Return Loss	304-500-101	1	Data for Relative Types A/A to H/H and I/I to P/P
304-410-101	1	Effect of Series Type Negative Impedance Repeater on Echo Return Loss	304-500-102	1	Data for Relative Types A/B to A/P
<b>Intermediate Line Irregularity Return Loss</b>			304-500-103	1	Data for Relative Types B/C to B/P
304-412-100	1	Loading Irregularity Return Losses	304-500-104	1	Data for Relative Types C/D to C/P
304-412-101	1	Excess or Deficient Loading Section Capacitance or Inductance	304-500-105	1	Data for Relative Types D/E to D/P
304-412-102	1	Computed Echo Return Loss Due to Loading Irregularities Exchange Area Facilities	304-500-106	1	Data for Relative Types E/F to E/P
			304-500-107	1	Data for Relative Types F/G to F/P
			304-500-108	1	Data for Relative Types G/H to G/P
			304-500-109	1	Data for Relative Types H/I to H/P
			304-500-110	1	Data for Relative Types I/J to I/P and J/K to J/P
			304-500-111	1	Data for Relative Types K/L to K/P and L/M to L/P
			304-500-112	1	Data for Relative Types M/N to M/P, N/O to N/P and O/P

Number	Issue	Subject
<b>Crosstalk Couplings</b>		
304-501-100	1	Relation Between Coupling DBX and Crosstalk Units (CU)
304-501-101	1	Relation Between Coupling in DBX and (CU) <sup>2</sup> in Thousands
304-501-102	1	Relation Between Coupling in DBX, Number of Occurrences and CU <sup>2</sup> in Thousands
304-502-100	1	Effective Voice-Frequency Crosstalk Coupling in DBX — Near-End Bare-Line Coupling Between Quads — Short-Pair-Twist Quadded Cables Spliced as a Single Group
304-503-100	1	Typical Near-End Crosstalk Couplings (dbx) — Long Lengths — Exchange Facilities — Staggered Twist Construction — Voice Frequencies
304-504-100	1	Typical Pair-to-Pair Equal Level Far-End Crosstalk Coupling Losses at 165KC — 19 Gauge Toll Cables
304-505-100	2	Carrier Frequency Crosstalk — 13, 16 and 19 Gauge — Toll Entrance Cables
304-506-100	1	Typical Pair-to-Pair Equal Level Far-End Cross-talk Coupling Losses at 165KC — Exchange Cables
304-510-100	1	Crosstalk Couplings — Coordination of Carrier Systems — Staggering Advantages

Number	Issue	Subject
<b>304-6 Systems Data</b>		
<b>Network Data</b>		
304-600-100	1	Regulating Networks
<b>Via Net Loss Factors</b>		
304-601-100	5	Via Net Loss Factors (VNLF)
<b>Distortion Transmission Impairments — Terminating Traffic</b>		
<b>Frequency Allocations</b>		
304-605-100	4	Open-Wire and Cable Carrier Telephone Systems
304-605-101	1	Coaxial Cable and Microwave Radio Systems
304-605-102	2	Carrier Telegraph Systems

**Division 309****Switched Services Networks****309-0 Index and Equipment Test Lists****309-1 Switched Services Networks****309-2 Switched Services Networks Using Central Office Switching Machines**

-200 CCSA (Common Control Switching Arrangements), AUTOVON (Automatic Voice Network), Transmission Tests, and Special Service Circuits

-203 NORAD/ADC Network

-270 SAGE-AUTOVON (Semi Automatic Ground Environment - Automatic Voice Network) Access Line Test Position

-285 Office Wiring and Equipment Losses — 4-Wire Switching Offices

-290 Manual Conference Circuit — 4-Wire No. 5 Crossbar Offices With 5C or 5D Switchboard

-291 Automatic Conference Circuit — 4-Wire No. 5 Crossbar Offices

-292 AUTOVON and FTS (Federal Telecommunications System)

**309-3 EPSCS (Enhanced Private Switched Communications Service)****309-4 ETN (Electronic Tandem Network)****309-5 Premises Based Networks****309-6 DCTN (Defense Commercial Telecommunications Network)**

	Number	Issue	Subject
<b>309-0 Index and Equipment Test Lists</b>			
	309-000-000	63	Numerical Index — Division 309 — Division Services Networks (2-95)
	309-001-011	5	Equipment Test List
	■ 309-001-011AC	6	Equipment Test List

**309-1 Switched Services Networks**

309-100-000	1	General Description
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	Number	Issue	Subject
	■ 309-100-004AC	1	All Networks — Trouble Handling (Customer Contact)
	309-100-005	1	All Networks — General Network Analysis

**309-2 Switched Services Networks Using Central Office Switching Machines****309-200 CCSA (Common Control Switching Arrangements), AUTOVON (Automatic Voice Network), Transmission Tests, and Special Service Circuits**

	309-200-000	3	CCSA — General Description
	■ 309-200-000AC	4	CCSA — General Description
	309-200-001	5	CCSA — General Procedures and Responsibilities
	■ 309-200-001AC	1	CCSA and SCAN (Switched Circuit Automatic Network) — General Procedures and Responsibilities
	309-200-004	3	CCSA — Trouble Reporting Procedures
	■ 309-200-004AC	1	CCSA — Trouble Reporting Procedures
	■ Appendix 1AC	1	SCAN (Switched Circuit Automatic Network) — AUTOVON — Trouble Reporting Procedures
	■ Appendix 2AC	1	CCSA — FTS (Federal Telecommunications System) — Trouble Reporting Procedures
	■ Appendix 3AC	1	AUTOVON Subnetwork — NORAD/SAGE (North American Air Defense/Semi Automatic Ground Equipment) — Trouble Reporting Procedures
	■ Appendix 4AC	1	AUTOVON Subnetwork — NORAD Alerting System — Trouble Reporting Procedures
	309-200-005	3	CCSA — Network Analysis Procedures
	309-200-007	8	CCSA — Network and Office Numbers
	309-200-010	3	CONUS AUTOVON — Network Traffic Management
	309-200-101	2	AUTOVON — Description
	309-200-102	1	AUTOVON — Procedures and Responsibilities
	309-200-150	1	AUTOVON 4-Wire No. 5 Crossbar Offices — Supervisory Signaling Supplementary Information

Number	Issue	Subject	Number	Issue	Subject
309-200-151	1	AUTOVON 4-Wire 1 ESS™ Switches — Supervisory Signaling Supplementary Information	<b>309-203 NORAD/ADC Network</b>		
■ 309-200-300AC	1	CCSA — Service Maintenance	309-203-100	1	Description
■ Appendix 1AC	1	CCSA — Service Maintenance — Tests and Limits (Interoffice Channels)	<b>309-204 Bell Atlantic Full Service Network</b>		
■ Appendix 2AC	1	CCSA — Special (Local Channel or Coordinated) Access and Switched (Coordinated Only) Access — Tests and Limits (Access Service)	<b>Network Interfaces</b>		
■ Appendix 3AC	1	CCSA — Total Service and Coordinated Service Circuits — Tests and Limits (End- to-End Requirements)	309-204-121	1	Bell Atlantic Full Service Net- work: Unidirectional 44.736 Mb/s DS3 Digital Broadcast Interface
■ Appendix 4AC	1	CCSA — Channel Derivation Equipment — Special Access Termination — Translation/Transmission Verifi- cation Procedures	<b>309-270 SAGE-AUTOVON (Semi Automatic Ground Environment - Automatic Voice Network) Access Line Test Position</b>		
■ 309-200-301AC	1	AUTOVON — Service Mainte- nance	309-270-100	1	Description
■ Appendix 1AC	1	AUTOVON — Service Mainte- nance — Tests and Limits (In- teroffice Channels)	309-270-200	1	Identification, Installation, and Connections
■ Appendix 2AC	1	AUTOVON — Special (Local Channel or Coordinated) Access and Switched (Coordinated Only) Access — Tests and Limits (Ac- cess Service)	<b>309-285 Office Wiring and Equipment Losses — 4-Wire Switching Offices</b>		
■ Appendix 3AC	1	AUTOVON — Total Service and Coordinated Service Circuits — Tests and Limits (End-to-End Requirements)	309-285-500	1	Measurement and Adjustment
309-200-302	1	Government Special Service Cir- cuits for the President of the Un- ited States — Service Mainte- nance	<b>309-290 Manual Conference Circuit — 4-Wire No. 5 Crossbar Offices With 5C or 5D Switchboard</b>		
309-200-500	2	4-Wire No. 5 Crossbar Offices — Transmission Testing Methods	309-290-100	1	Description
309-200-509	1	CCSA — AMA (Automatic Mes- sage Accounting) Sampling	309-290-500	1	Service Maintenance
309-200-520	1	2-Wire 1 ESS Switches — Transmission Testing and Through and Terminal Balancing Procedures	<b>309-291 Automatic Conference Circuit — 4-Wire No. 5 Crossbar Offices</b>		
309-200-550	1	2-Wire No. 5 Crossbar Offices — Balance Testing Methods	309-291-100	1	Description
			309-291-500	1	Initial Order and Routine Tests
			<b>309-292 AUTOVON and FTS (Federal Telecommunica- tions System)</b>		
			309-292-100	1	Modular Automatic Conference Arrangement
			309-292-200	3	FTS 2000 Integrated Custom Network Reference Guide
			<b>309-3 EPSCS (Enhanced Private Switched Communica- tions Service)</b>		
			■ 309-300-000AC	2	General Description
			■ 309-300-001AC	3	General Procedures and Responsibilities

Number	Issue	Subject	Number	Issue	Subject
● 309-300-002	2	Customer Service Administrative Control Center — Description and Operations	<b>309-4 ETN (Electronic Tandem Network)</b>		
■ 309-300-002AC	1	Customer Service Administrative Control Center — Description and Operations	309-400-000	2	General Description
■ Appendix 1AC	1	Customer Service Administrative Control Center — Trouble Categories and System Reports	309-400-001	2	General Procedures and Responsibilities
● 309-300-003	2	Customer Network Control Center — Description and Operations	309-400-002	2	Customer Administration Center System — Customer Administration Panel (CAP) and Local Customer Administration System (LCAS) — General Description
■ 309-300-003AC	3	Customer Network Control Center — Description and Operations	309-400-004	2	Trouble Reporting Procedures
■ 309-300-004AC	1	Trouble Reporting Procedures	309-400-005	2	Network Analysis
309-300-005	1	Network Analysis Procedures	309-400-007	3	Network Identification
309-300-007	2	Network and Office Numbers	309-400-300	2	Service Maintenance
■ 309-300-007AC	4	Network and Office Numbers	<b>309-5 Premises Based Networks</b>		
■ Appendix 1AC	2	Network Numbers	■ 309-500-000AC	1	Operations Plan
■ Appendix 2AC	2	Network Grouping Identification Numbers	<b>309-6 DCTN (Defense Commercial Telecommunications Network)</b>		
■ Appendix 3AC	2	Switching Machine Numbers	■ 309-600-001AC	1	Administration Plan
■ Appendix 4AC	2	Data Processing Identification Codes	■ Appendix 1AC	1	Training Guidelines
■ 309-300-300AC	1	Service Maintenance	■ Appendix 2AC	1	Data Base Responsibilities
■ Appendix 1AC	1	Service Maintenance — Tests and Limits (Interoffice Channels)	<b>309-610 FTS-2000 (Federal Telecommunications System)</b>		
■ Appendix 2AC	1	Special (Local Channel or Coordinated) Access and Switched (Coordinated Only) Access — Tests and Limits (Access Service)	<b>Testing and Maintenance Methods and Procedures</b>		
■ Appendix 3AC	1	Total Service and Coordinated Service Circuits — Tests and Limits (End-to-End Requirements)	■ 309-610-020	1	FTS 2000 Service Delivery Center (SDC) Methods and Procedures for Testing Switched Voice and Data Work Orders
■ Appendix 4AC	1	Network Service Verification Tests	■ 309-610-021	1	FTS 2000 Network Control Center (NCC) Methods and Procedures for Testing Switched Voice and Data Work Orders
■ Appendix 5AC	1	Voice Switched Gain Amplifier — Deluxe Network Access — Special Access Termination and Channel Derivation Equipment	■ 309-610-022	1	FTS2000 Switched Service Maintenance NCC Methods and Procedures
■ 309-300-310AC	1	Data Service Procedures	■ 309-610-100AC	2.01	FTS2000 Description
			■ 309-610-101AC	2.01	FTS2000 Implementation
			■ 309-610-102AC	1.01	FTS2000 Trouble Clearing

**Division 310**

**Non-Switched Special Services System**

**310-0 Indexes and Equipment Test Lists**

**310-3 Two-Point Private Line Systems**

- 300 Two-Point Private Line Telephone Circuits
- 305 Channels for Federal Aviation Agency, Airlines and Other Agencies

**310-4 Multistation Private Line Systems**

- 400 Special Multistation Systems
- 405 Multistation Systems
- 410 Federal Aviation Agency
- 430 600/1500 Cycle Selective Signaling System
- 435 SC2 Selective Control System
- 440 Volume Limiter for Special Services

**310-5 Special Purpose Multipoint Private Line Systems**

- 500 Strategic Air Command Primary Alerting System
- 504 Command Post Alerting Network (COPAN) — Joint Chiefs of Staff Alerting Network (JCSAN)
- 505 Centralized Manual Control System
- 525 Channels for Polling Television Receives
- 530 Group Alerting System
- 540 Protective Relaying Channel

Number	Issue	Subject
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**310-0 Indexes and Equipment Test Lists**

310-000-000	47	Numerical Index — Division 310 — Nonswitched Special Services System
310-001-011	2	ETL Supplement

**310-3 Two-Point Private Line Systems**

**310-300 Two-Point Private Line Telephone Circuits**

310-300-100	1	Voice Only — Description
310-300-300	1	Voice Only — Test Requirements and Objectives
310-300-500	7	Voice Only — Test Procedures

Number	Issue	Subject
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**310-305 Channels for Federal Aviation Agency, Airlines and Other Agencies**

310-305-100	3	Description
310-305-500	5	Over-All Measurements

**310-4 Multistation Private Line Systems**

**310-400 Special Multistation Systems**

- 310-400-100 1 Description
- 310-400-300 1 Periodic Test Intervals
- 310-400-500 1 Test and Adjustments

**310-405 Multistation Systems**

310-405-100	2	Voice Only — Description
310-405-500	4	Voice Only — Tests and Adjustments

**310-410 Federal Aviation Agency**

Addendum	1	
310-410-100	1	Description
310-410-101	1	Glossary of Terms
310-410-300	1	Service Maintenance
310-410-500	1	Tests and Adjustments

**310-430 600/1500 Cycle Selective Signaling System**

- 310-430-100 1 Description
- 310-430-200 1 Installation
- 310-430-300 2 Periodic Tests
- 310-430-500 1 Maintenance and Trouble Location Tests — Central Office
- 310-430-501 1 Maintenance and Trouble Location Tests — Customer's Premises
- 310-430-502 1 Typical Equipment Layouts — Right-of-way (ROW) Companies

**310-435 SC2 Selective Control System**

- 310-435-300 2 Main Station — Maintenance
- 310-435-301 2 Monitor Station — Maintenance
- 310-435-302 2 Satellite Station — Maintenance
- 310-435-303 2 Signaling Circuit — Maintenance



Number	Issue	Subject	Number	Issue	Subject
<b>310-440 Volume Limiter for Special Services</b>			<b>310-525 Channels for Polling Television Receivers</b>		
<input type="checkbox"/>	310-440-100	1 Description	310-525-100	1	Description
<input type="checkbox"/>	310-440-200	1 Installation	Addendum	1	
<input type="checkbox"/>	310-440-500	1 Transmission Test Requirements	310-525-500	1	Trouble and Over-All Transmission Tests on Two-Wire Channels
<b>310-5 Special Purpose Multipoint Private Line Systems</b>			Addendum	1	
<b>310-500 Strategic Air Command Primary Alerting System</b>			310-525-501	1	Trouble and Over-All Transmission Tests on Four-Wire Channels
310-500-100	3	Description	<b>310-530 Group Alerting System</b>		
310-500-500	4	Tests and Adjustments	310-530-100	1	Description
310-500-501	1	Recorder-Reproducer KS-16687, L1	310-530-500	1	Transmission Testing Methods and Requirements
310-500-502	1	Recorder-Reproducer KS-16746, List 1 and List 2 and KS-16747, List 1 Demagnetizer	310-539-001	1	Private Line Telephone Service — OCD National Warning System (NAWAS) — Description and Operating Features
<b>310-504 Command Post Alerting Network (COPAN) — Joint Chiefs of Staff Alerting Network (JCSAN)</b>			Appendix	1	Circuit List
Addendum	1		Appendix	2	Scheduled Circuit Lineup Procedures
310-504-100	2	General Description	Appendix	3	GP 8246 SS1 Codes
310-504-500	2	Testing and Maintenance of Main Station	<b>310-540 Protective Relaying Channel</b>		
310-504-501	2	Testing and Maintenance of Terminal Switch Points and Remote Command Posts	310-540-100	2	Description
310-504-502	2	Circuit Maintenance	310-540-500	2	Initial Lineup and Maintenance Test Requirements
<b>310-505 Centralized Manual Control System</b>					
310-505-100	1	Description — Anti-Aircraft Operations for Defended Areas			
310-505-500	1	Tests and Adjustments — Anti-Aircraft Operations for Defended Areas			

**Division 311**

**Switched Special Services Systems**

**311-0 Indexes and Equipment Test List**

**311-1 General Information**

**311-2 Special Access Circuits**

**311-3 Tie Trunk Circuits**

Number	Issue	Subject
<b>311-0 Indexes and Equipment Test List</b>		
311-000-000	24	Numerical Index — Division 311 — Switched Special Services Systems
311-001-011	1	ETL
<b>311-1 General Information</b>		
311-100-100	1	Transmission Testing Considerations — Switched Special Services Circuits
311-100-101	1	Signaling Considerations — Circuits
311-100-102	1	Installation and Maintenance — Tests and Requirements — Switched Special Service Circuits
311-100-500	3	Circuit Order and Trunk Order Transmission Tests for Special Services — Having Access to the Direct Distance Dialing Network
Addendum	2	
311-100-501	1	1000 Hz and Noise Measurements — PBX Central Office Trunks, Off-Premises Station Lines and Tie Trunks Having Access to the Direct Distance Dialing Network
311-100-551	3	Special Service Link Lineup — PBX to Central Office 2-Wire Link — Using E6 Repeaters

Number	Issue	Subject
Addendum	1	
311-100-552	2	Special Service Link Lineup — Central Office to Central Office — 2-Wire Link Using E6 Repeaters
Addendum	1	
311-100-553	3	Special Service Link Lineup — Central Office to Station 2-Wire Link Using E6 Repeaters

**311-2 Special Access Circuits**

Addendum	1	
311-200-001	1	Wide Area Telecommunication Service "WATS" — Administrative Procedures for Installation and Maintenance
Addendum	1	
311-200-180	3	Description of Circuit Arrangements for Providing Foreign Exchange and Other Special Access Services
Addendum	1	
311-240-501	3	Overall Lineup — Two-Wire Repeatered Nonloaded PBX-CO Trunk With Network at PBX
Addendum	1	
311-240-502	3	Overall Lineup — 2-Wire Repeatered Nonloaded PBX-CO and Local WATS Trunks for PBXs not Requiring Terminal Balance
311-240-503	1	Special Service Overall Line-Up — Off Premises Station Lines With E6 Repeaters

**311-3 Tie Trunk Circuits**

311-300-500	1	PBX — Tests and Adjustment
311-350-100	3	Balance Testing Considerations — PBX 4-Wire Via Net Loss Tie Trunks and Access Lines
311-350-500	4	Balance Test Procedures for PBX — Switched 4-Wire Tie Trunks and Access Lines

**Division 312****Private Line Data Systems and Services****312-0 Index, Equipment Test Lists, and General Information****312-1 Special Contract Circuits****312-2 DC Telegraph Systems and Associated Equipment****312-3 Mechanical Telegraph Repeaters****312-4 Electronic Telegraph Repeaters****312-5 Regenerative Telegraph Repeaters****312-6 40-Type Carrier Telegraph Systems****312-7 43-Type Carrier Telegraph Systems****312-8 Data Equipment**

Number	Issue	Subject
<b>312-0 Index, Equipment Test Lists, and General Information</b>		
<b>312-000 Index</b>		
312-000-000	65	Numerical Index — Division 312 — Private Line Data Systems and Services
<b>312-001/010 General Information</b>		
312-001-011	4	Equipment Test List
Supplement 2	1	
312-002-100	1	Theory and Characteristics of Electronic Telegraph Loops
312-003-100	1	Operation of the Teletypewriter, Perforator and Transmitter — Distributor
312-004-100	1	Operation of the Teletypewriter — 28- Type Teletypewriter
312-006-100	1	Theory of Characteristic Distortion and Its Reduction by Equalization
312-007-100	1	Distortion as Related to Teletypewriter Operation
312-008-500	1	Telegraph Loops — Testing DC Loops Equipped With Continuity Indicators

**312-000 Index**

Number	Issue	Subject
312-000-000	65	Numerical Index — Division 312 — Private Line Data Systems and Services

**312-001/010 General Information**

Number	Issue	Subject
312-001-011	4	Equipment Test List
Supplement 2	1	
312-002-100	1	Theory and Characteristics of Electronic Telegraph Loops
312-003-100	1	Operation of the Teletypewriter, Perforator and Transmitter — Distributor
312-004-100	1	Operation of the Teletypewriter — 28- Type Teletypewriter
312-006-100	1	Theory of Characteristic Distortion and Its Reduction by Equalization
312-007-100	1	Distortion as Related to Teletypewriter Operation
312-008-500	1	Telegraph Loops — Testing DC Loops Equipped With Continuity Indicators

Number	Issue	Subject
312-009-100	2	Teletypewriter Stations — Orientation Tests and Distortion Tolerances
☐ 312-010-100	1	Daily Line-up Procedures — Telegraph Circuits

**312-011 Administration/Specifications**

Number	Issue	Subject
Addendum	1	
312-011-101	1	Telegraphic Type Services — Standard Interface Specifications — Series 1000 Channels
Appendix 1	1	No Title
Appendix 2	1	No Title
Appendix 3	1	No Title
☐ 312-011-500	1	Teletypewriter — General Electric Records Communication Network — Testroom Responsibilities and Procedures
312-011-501	1	Office Responsibilities and Operating Procedures for Circuits Associated With CPE — Teletypewriter Switching Systems

**1000, Type 1001 Channels**

Number	Issue	Subject
312-011-502	1	Signaling, Supervisory Control and Telemetry Circuits, 0 to 15 Hz
☐ Appendix 1	1	Furnished to A.C. Nielsen Co.
☐ Appendix 2	1	SC2 Supervisory Control System
☐ Appendix 3	1	Traffic Network Management Telemetry Circuits

**312-012 Alternate Full Period Teletypewriter**

Number	Issue	Subject
312-012-100	1	Description and Operation

**312-015 Loss-of-Facility Alarm Circuit (J70165E)**

Number	Issue	Subject
312-015-100	1	Description

**312-1 Special Contract Circuits****312-100 Western Union Contracts**

Number	Issue	Subject
312-100-000	1	Engineering and Operating Considerations Involved in Furnishing Circuits to the Western Union Telegraph Company Under Special Contract

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		312-302-101	2	13F1 One-Way Polar Telegraph Repeater — Description
□ 312-105-102	1	Engineering Notes	312-302-102	2	13G1 One-Way Repeater — (J70107)
<b>312-2 DC Telegraph Systems and Associated Equipment</b>			□ 312-302-103	1	13H1 Loop Repeater for Direct Leg Operation in No. 2 and 9B Service Board Offices — Description
<b>312-200 DC Telegraph Systems</b>			□ 312-303-100	1	16B1 Telegraph Repeater — Description
□ 312-200-101	3	Metallic Telegraph System — 4-Wire Operation — Description	□ 312-303-500	1	16B1 Telegraph Repeater — Tests and Adjustments
□ 312-200-102	1	Metallic Telegraph System — Equalization — Description	□ Addendum	1	
□ 312-200-500	1	Metallic Telegraph System — Equalization Test and Adjustments	□ 312-304-100	1	16C1 Telegraph Repeater and Balanced Loop Applique — Description
□ 312-200-501	1	Grounded Telegraph System — Equalization Test and Adjustments	□ Addendum	1	
<b>312-210/211 Associated Equipment</b>			□ 312-304-500	1	16C1 Telegraph Repeater and Balanced Loop Applique — Tests and Adjustments
<b>Coupling Units and Connecting Blocks</b>			□ 312-305-100	1	20C2 Terminal Metallic Telegraph Repeater for 4-Wire Operation — Description
312-210-100	1	144A1 Coupling Unit — Description	□ 312-305-500	1	20C2 Metallic Telegraph Terminal Repeater — Tests and Adjustments
312-210-101	1	144B1 Coupling Unit — Description	312-306-100	1	90C1 Telegraph Loop Repeater — Description
312-210-102	2	144C1 Coupling Unit — Description and Operation	<b>312-4 Electronic Telegraph Repeaters</b>		
312-210-500	3	144A1, 144B1, 144B2, and 144C1 Coupling Units — Tests and Adjustments	312-405-100	3	96A1 Electronic Loop Repeater
312-211-100	1	344-Type Plugs for Telegraph Relay Connecting Blocks — Description	312-405-300	3	96A1 Electronic Loop Repeater — Summary of Tests
<b>312-215 Power Supply Circuits</b>			312-405-500	3	96A1 Electronic Loop Repeater — Tests and Adjustments
312-215-100	3	Negative 330-Volt — Description and Operation	<b>312-5 Regenerative Telegraph Repeaters</b>		
312-215-500	3	Negative 330-Volt — Tests Procedures	312-507-100	3	143A-Type — Regenerative Telegraph Repeaters
<b>312-3 Mechanical Telegraph Repeaters</b>			312-507-500	5	143A1 and 143A2 Regenerative Telegraph Repeaters — Tests and Adjustments
312-301-100	2	10E1 Telegraph Single-Line Repeater — Description	312-508-100	2	Electronic Regeneration for Test-board Offices
312-301-500	1	10E1 Telegraph Single-Line Repeater — Tests and Adjustments	312-509-100	1	145A1 Regenerative Repeater — (Central Office Data Systems) — Description
312-302-100	2	13-C-1 One-Way Split Loop Telegraph Repeater — Description			

Number	Issue	Subject	Number	Issue	Subject		
312-509-500	1	145A1 Regenerative Repeater — (Central Office Data Systems) — Tests	Addendum	2			
<b>312-6 40-Type Carrier Telegraph Systems</b>			312-700-200	1	43A1 Voice-Frequency Carrier Telegraph (VFCT) System — (J70112-) — Installation and Connection		
<b>312-601/602 40-Type Carrier Systems</b>			312-700-300	2	(J70112-) — Maintenance Pro- cedures		
<input type="checkbox"/>	312-601-010	4	Forms for Recording Results of Tests on 40-Type Carrier Tele- graph Systems	312-700-500	1	(J70112-) — Test Procedures	
<input type="checkbox"/>	Addendum	1		<input type="checkbox"/>	312-708-100	1	Three Channel Portable Cabinet Type
<input type="checkbox"/>	312-601-100	3	40C1 Terminal — Description	<b>312-709 Voice Frequency Carrier A1 Level Variation Detector</b>			
<input type="checkbox"/>	Addendum	1		312-709-100	1	Description	
<input type="checkbox"/>	312-601-300	3	40C1 Terminals Summary of Tests	312-709-500	3	Tests and Adjustments	
<input type="checkbox"/>	Addendum	2		<b>312-710 43B1 Data Carrier System</b>			
<input type="checkbox"/>	312-601-500	5	40C1 Terminals — Use of 160A1 Carrier Telegraph Test Set	312-710-100	2	Central Office Arrangement — General Description	
<input type="checkbox"/>	312-602-100	1	40C2 Terminal — Description	Addendum	1		
<input type="checkbox"/>	312-602-500	1	40C2 Terminal — Tests and Ad- justments	312-710-200	1	Out-of-Service and Installation Tests	
<b>312-610 Carrier Supply</b>			312-710-201	1	2- and 4-Wire Connections — Description and Installation		
<input type="checkbox"/>	Addendum	1		312-710-500	1	Trouble Locating Tests	
<input type="checkbox"/>	312-610-100	3	140A — Description	<b>312-720 General DataComm* Multiplexer/Converter</b>			
<input type="checkbox"/>	312-610-300	3	140A — Summary of Tests	312-720-100	1	Description, Installation, Testing, Maintenance	
<input type="checkbox"/>	Addendum	1		<b>312-8 Data Equipment</b>			
<input type="checkbox"/>	312-610-500	5	140A1 — Tests and Adjustments	<b>312-800 Data Set 108B</b>			
<b>312-620/621 No Carrier Alarm Sets</b>			312-800-100	2	Description		
<input type="checkbox"/>	312-620-100	1	VF1S Portable — Used With 40- Type Telegraph Carrier Systems	312-800-300	2	Maintenance	
<input type="checkbox"/>	Addendum	2		312-800-500	2	Test Procedures	
<input type="checkbox"/>	312-621-100	1	VF2S — Used With 40-Type Telegraph Carrier Systems	<b>312-801 Data Auxiliary Set 811C</b>			
<b>312-7 43-Type Carrier Telegraph Systems</b>			312-801-100	1	Description		
<b>312-700/708 43A1 Carrier Telegraph System</b>							
Addendum	2						
312-700-100	5	43A1 Voice-Frequency Carrier Telegraph (VFCT) System — (J70112-) — Description and Operation					

\* General DataComm is a registered trademark of General DataComm Industries, Inc.

Number	Issue	Subject
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**312-802 Data Set For 109B**

312-802-100	1	Description
312-802-300	2	Maintenance Procedures
312-802-500	1	Test Procedures

**312-803 Data Set 110B**

<input type="checkbox"/> 312-803-100	1	Description
<input type="checkbox"/> 312-803-300	1	Maintenance
<input type="checkbox"/> 312-803-500	1	Test Procedures

**312-804 Data Set 110C**

312-804-100	1	Description
312-804-300	1	Maintenance
312-804-500	1	Test Procedures

**312-805 Data Set 108D-Type**

312-805-100	2	Used With Type-3 Low-Voltage Hub Arrangements — Description
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**312-807 Type-3 Low-Voltage Hub**

312-807-100	1	Description and Operation
312-807-200	2	Installation and Connections
312-807-500	2	Test Procedures

**312-808 Data Set 109G-L1**

312-808-100	1	Description
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Number	Issue	Subject
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**312-809 Data Set 405-Type**

312-809-100	2	Description
312-809-150	1	Supplementary Information
312-809-180	1	Summarizing Specification
312-809-200	1	Installation and Connections
312-809-201	1	Interface Circuit for Message Register Remoting — Installation and Connections
312-809-301	1	Interface Circuit for Message Register Remoting — Maintenance
312-809-501	1	Interface Circuit for Message Register Remoting — Test Procedure

**312-810 Data Auxiliary Set 811K-L1**

312-810-100	1	Identification
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**312-811 Data Set 201D-Type**

Addendum	1	
312-811-100	2	Description

**312-812 Low-Speed Signaling System Using Data Set 115A**

312-812-100	1	Description
312-812-180	2	Summarizing Specification
312-812-200	1	Installation and Connections
312-812-300	1	Maintenance
312-812-500	1	Test Procedures

**312-813 TSPS Hotel/Motel Data Facilities**

312-813-100	1	Automated Quotation System — Description, Testing, and Maintenance
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**Division 313**

**Voice, Data, and Video Transmission Systems**

**313-0 Index**

**313-1 General Information**

**313-4 Voiceband Baseline Service, Total Service, Coordinated Service, and Access Service — Transmission Test Requirements and Limits**

Number	Issue	Subject
<b>313-0 Index</b>		
313-000-000	10	Numerical Index — Division 313 — Voice, Data, and Video Transmission Systems

**313-1 General Information**

313-100-100	2	Introduction — Installation and Maintenance 313-110 Test Considerations — Transmission and Signaling
313-110-100	1	Transmission
Addendum	1	
313-110-101	1	Signaling

**313-120 Requirements and Limits**

313-120-100	2	Transmission Test
313-120-101	1	Signaling Tests
Appendix 1	1	Test Descriptions

**313-130 Test Procedures**

313-130-100	1	Central Office Transmission and Signaling
313-130-101	1	Customer Premises Transmission and Signaling

Number	Issue	Subject
<b>313-4 Voiceband Baseline Service, Total Service, Coordinated Service, and Access Service — Transmission Test Requirements and Limits</b>		
■ 313-410-100AC	1	Testing and Maintenance — Descriptions and Transmission Test Considerations
■ 313-420-100AC	1	Voice-Grade Special Access Service — Testing and Maintenance
■ Appendix 1AC	1	Voiceband Baseline Service
■ Appendix 2AC	1	Voiceband Total Service and Coordinated Service
■ Appendix 3AC	1	Voiceband Interoffice (PL-1, PL-2, and PL-3) Channels
■ Appendix 4AC	1	Voice-Grade Switched Access Service
■ Appendix 5AC	1	Voice-Grade Special Access Service
■ Appendix 6AC	1	Special and Switched Access Services — Network Channel Interface Codes

**Division 314**

**Digital and Analog Data Transmission Systems**

**314-0 Index, Equipment Test List, and Data Line Switching Network**

**314-1 Transaction Network Services**

**314-2 DDD (Data Systems on Direct Distance Dialing) Network**

**314-3 ACCUNET® Reserved 1.5 Service**

**314-4 Data Systems on Private Lines**

**314-5 A1 Digital and SAGE Data Transmission Systems**

**314-6 Wideband Data Transmission Systems**

**314-7 Telephotography**

**314-8 Data Systems — Common Circuits, Equipment and Procedures**

**314-9 Digital Data System**

Number	Issue	Subject
<b>314-0</b>		<b>Index, Equipment Test List, and Data Line Switching Network</b>

**314-000 Index**

314-000-000	95	Numerical Index — Division 314 — Digital and Analogue Data Transmission Systems
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**314-001 Equipment Test List**

314-001-011	2	Equipment Test List
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**314-010 Data General**

314-010-100	1	Analog Transmission Parameters Description
314-010-101	2	Data General — Data Testing Principles
314-010-102	1	Data Services Support
314-010-103	1	Interconnection/Interpositioning

Number	Issue	Subject
<b>314-025</b>		<b>Test Lines Employing 154A1 DATAPHONE® Subsets</b>
314-025-500	1	Testing Procedures at Telegraph Test or Serviceboards

**314-099 Customer Information Release (CIR)**

314-099-003TD	2	Implementing the Digital Data System — Secondary Channel Capability
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**314-1 Transaction Network Services**

**314-100 Transaction Network**

314-100-010	1	Transmission Requirements
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**314-2 DDD (Data Systems on Direct Distance Dialing) Network**

**314-200 DATAPHONE® Systems Using 130-Type Subscriber Sets**

314-200-100	1	Description — Low-Speed, One-Way, DATAPHONE Service
314-200-105	1	Description — Test Center Testing Arrangement
314-200-500	1	Use of Test Center Testing Arrangements

**314-205 DATAPHONE Systems-Transmission Maintenance, Loops and Trunks**

314-205-300	3	DATAPHONE Data Communications Service — Overall Maintenance Procedures — Data Systems on the Public Switched Network
■ 314-205-300AC	1	Maintenance Procedures and Guidelines for Data Services on the Public Network (the Adept System)
314-205-301	1	Data Systems — DATASPEED® Service and Data Access Arrangements on Direct Distance Dialing Network — Methods of Investigating Trouble Reports and/or Tariff Compliance When Using Acoustically or Inductively Coupled Devices



Number	Issue	Subject
314-205-500	5	DATAPHONE Data Communications Service — Overall Data Transmission Test Requirements — Data Systems on the Public Switched Network
314-205-501	6	DATAPHONE Data Communications Service — Test Requirements for Subscriber, Remote Exchange, Foreign Exchange, PBX, and Wide Area Telecommunications Service Lines — Data Systems on the Public Switched Network
314-205-503	4	DATAPHONE Data Communications Service — Minimum Acceptable Performance (MAP) Criteria — Data Systems on the Public Switched Network

**314-210 554A-Type Channel Service Unit**

314-210-100	1	Description
314-210-200	1	Installation, Connections, Maintenance, and Tests

**314-3 ACCUNET®****314-300/305 Reserved 1.5 Service**

■ 314-300-100AC	1	Description
■ 314-300-300AC	1	Maintenance Methods
■ 314-300-500AC	1	Maintenance Test Procedures
■ 314-305-100AC	2	Terrestrial 1.5 — Overall Description — Digital Service
■ 314-305-200AC	2	Terrestrial — Maintenance, Trouble Sectionalization, and Testing — Extended Superframe Formatted Services — MCU (Maintenance Control Unit) Application
■ 314-305-300AC	2	Terrestrial 1.5 — Maintenance, Trouble Sectionalization, and Test Procedures — Digital Service
■ 314-305-301AC	2	Testing — Job Aid

**314-310 ACCUNET Switched 56 kb/s Service**

■ 314-310-100AC	1	Description
■ 314-310-300AC	1	Maintenance

Number	Issue	Subject
<b>314-320 ACCUNET Terrestrial 45 Service</b>		
■ 314-320-100AC	1	Overall Description — Digital Service
■ 314-320-300AC	1	Maintenance, Trouble Sectionalization, and Test Procedures — Digital Service
■ 314-320-301AC	1	ACCUNET T45 Testing — Job Aid
<b>314-330 ACCUNET Information Manager (AIM)</b>		
314-330-100	1	ACCUNET Information Manager (AIM) User Manual
<b>314-332 AT&amp;T AccUNET® Bandwidth Manager (ABM)</b>		
■ 314-332-100	1	AT&T ACCUNET Bandwidth Manager (ABM) PC User Guide

**314-340 ACCUNET Bandwidth Management Service — Extended (BMS-E)**

314-340-010	1	Introducing BMS-E: A Service Description and Resource Guide to Bandwidth Management Service — Extended
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**314-4 Data Systems on Private Lines****314-410 Private Line Data Circuits**

Addendum	1	
314-410-100	3	Voice Bandwidth — Description
314-410-104	2	Voice Bandwidth — Circuit Conditioning Requirements Using the Collins CLA- Type System
Addendum	1	
314-410-300	3	Voice Bandwidth — Maintenance
314-410-310	4	Digital Data System — 4-Wire Local Loop — Maintenance Procedures
314-410-311	1	Local Area Data Channels — Maintenance Procedures
314-410-312	1	Local Area Data Channels — Tests and Requirements
314-410-500	7	Voice Bandwidth — Transmission Requirements
314-410-510	5	4-Wire Local Loop — Test Procedures — Digital Data System

Number	Issue	Subject	Number	Issue	Subject
314-410-550	2	DATAPHONE Data Communications Service — Overall System Description — Select-A-Station Service	<b>314-502 Receiver</b>		
314-410-560	1	Telemetry/Alarm Bridging Service — Description	314-502-105	1	Description — Four-Phase Receiver
Addendum	1		314-502-305	1	Four-Phase Digital Data Receiver — Maintenance Test
314-410-570	1	Alarm Services — Description	<b>314-504 Transfer and Control Circuit</b>		
■ 314-410-570AC	2	Alarm Services — Description	314-504-100	3	Description
<b>314-411 Private Line Data Systems — Special Network</b>			314-504-300	2	Analysis and Clearance of Trouble
Addendum	1		314-504-501	2	Out-of-Service Tests
● 314-411-106	1	Special Supergroup System — USAF X-147 — Description	<b>314-505 Word Generator</b>		
Addendum	1		314-505-100	1	Description
● 314-411-206	1	Special Supergroup System — USAF X-147 — Installation and Line Up	314-505-301	1	Circuit SD-1G097-01 — Analysis and Clearance of Trouble
Addendum	1		314-505-302	2	Circuit SD-1G005-01 — Analysis and Clearance of Trouble
● 314-411-306	1	Special Supergroup System — USAF X-147 — General Maintenance	314-505-501	2	Circuit SD-1G097-01 — Out-of-Service Tests
● 314-411-406	1	Special Supergroup System — USAF X147 — System Drawings	314-505-502	2	Circuit SD-1G005-01 — Out-of-Service Tests
314-411-504	3	Strategic Air Command Control System (SACCS) — Description and Service Maintenance	<b>314-506 Matching and Error Counting Circuit</b>		
Addendum	1		314-506-100	1	Description
● 314-411-506	1	Special Supergroup System — USAF X-147 — Tests and Trouble Location	314-506-501	3	Out-of-Service Tests
314-411-510	2	E2-Telemetry Data Facilities — Maintenance Considerations	<b>314-507 Parity Check Circuit</b>		
314-500-105	2	Using 4-Phase Data Sets — General Description	314-507-100	2	Description
314-500-305	2	Using 4-Phase Data Sets — Periodic Test Intervals	314-507-501	3	Out-of-Service Tests
Addendum	1		<b>314-508 Jack and Connector Circuit</b>		
314-500-505	3	Using 4-Phase Data Sets — Trouble Testing and Location	314-508-100	2	Description
<b>314-501 Transmitter</b>			<b>314-509 Miscellaneous Test Circuit</b>		
314-501-105	1	Description — Four-Phase	314-509-100	1	Description
314-501-305	1	Maintenance Test — Four-Phase	<b>314-510 A1 Digital Data Signaling System</b>		
			Addendum	1	
			314-510-100	2	Description — Data Testboard and Associated Circuits

Number	Issue	Subject	Number	Issue	Subject
<b>314-550 SAGE Data Transmission Systems — General Information</b>			314-555-502	1	Dual Facility Trunks — Local Tests of A/G Trunks at Site Test-board
314-550-100	1	General Considerations and Description	314-555-503	1	Dual Facility Trunks — Local Tests of A/G Trunks at DC Test-board
Addendum	1		314-556-100	2	Common User Group Equipment — Description
314-550-101	1	Addressable Data Bridge and Control Circuit SD-1G245-01 — Description	314-556-300	1	Emergency Patching — Channels and Trunks — Common User Group Equipment
Addendum	1		Addendum	1	
314-550-102	1	Crosstell Data Bridge and Control Circuit SD-1G250-01 — Description	314-556-501	1	Common User Group Equipment — Link and Controller — Tests
Addendum	1		Addendum	1	
314-550-300	2	Initial Testing and Line-Up of Sage Data Circuits	314-556-502	1	Common User Group Equipment — Channel and Sender Circuits — Tests
314-550-305	3	Using Four-Phase Data Sets — Initial Testing and Line-Up Procedure	Addendum	1	
314-550-306	1	Addressable Data Bridge and Control Circuit SD-1G245-01 Operation and Maintenance	314-556-503	1	Common User Group Equipment — Over-all Tests
314-550-307	1	Crosstell Data Bridge and Control Circuit SD-1G250-01 — Operation and Maintenance	314-556-504	2	Common User Group Equipment — Trunks and Code Receivers — Tests
<b>314-551 Radar Data Systems</b>			314-556-505	1	Common User Group Equipment — Tests of Automatic Test Circuit
314-551-100	1	Description	314-556-506	1	Common User Group Equipment — CODAN Interrupter Tests
<b>314-552 Ground-to-Ground Data Systems</b>			314-557-501	2	43A1 Carrier Telegraph Terminal — Tests
314-552-100	1	Description	<b>314-560 SAGE Services</b>		
<b>314-553 Ground-to-Air Data Systems</b>			314-560-000	2	Operation and Administration of the Trouble Report Center at Sage System Direction Centers
314-553-100	1	Description	314-560-001	1	Description and Use of Marker Card — Sage Form E-4429
314-553-105	4	Transmission Aspects of Voice Channels	314-560-002	1	Preparation and Use of Cross-Connection Running List — Sage Form E-4461
314-553-300	2	Periodic Test Intervals	314-560-005	1	Operation and Control of Sage — Weather Network (ADTWC)
<b>314-554 Lincoln Digital Data System</b>			314-561-100	1	Dial Restoration Panel for SAGE — General Considerations
314-554-100	1	Description			
<b>314-555/557 Private Service Systems — Air-Ground Voice Communication System</b>					
314-555-100	1	Dual Facility Trunk Equipment			
314-555-501	1	Dual Facility Trunks — Over-all Tests			

Number	Issue	Subject
<b>314-6 Wideband Data Transmission Systems</b>		
<b>314-601 Wideband Service Bay</b>		
Ⓜ Addendum	1	
Ⓜ 314-601-110	1	Description
Ⓜ 314-601-120	1	J70168
<b>314-602 Wideband Data Test Bay</b>		
Ⓜ 314-602-100	4	Data Systems Central Office — 915-Type
Ⓜ 314-602-501	2	915 — Test Procedures for 303-Type Data Station — Restored Polar Line Signal Operation
Ⓜ 314-602-520	1	Test Procedures for 301B-Type Data Station
<b>314-605 Toll Systems A2 (40.8-Kilobit) Data Transmission System</b>		
Ⓜ Addendum	1	
Ⓜ 314-605-100	1	Description
Ⓜ 314-605-300	1	Line-Up Procedure
Ⓜ 314-605-301	1	Trouble Location
Ⓜ 314-605-302	1	Routine Maintenance
Ⓜ 314-605-500	1	General Maintenance
Ⓜ 314-605-501	1	Overall Gain Adjustments
Ⓜ 314-605-502	1	Gain Frequency Measurements
Ⓜ 314-605-503	2	Noise Measurements
Ⓜ 314-605-504	1	Crosstalk Coupling — Loss Measurements
Ⓜ 314-605-505	1	Digital Error Rate Measurements
Ⓜ Addendum	2	
Ⓜ 314-605-506	2	Relative Envelope Delay Measurements
Ⓜ 314-605-507	1	Oscilloscope Tests
<b>314-608 Half-Groupband Data Systems</b>		
314-608-100	2	2-Point Private Line — Description
314-608-300	2	2-Point Private Line — Lineup Objectives and Trouble Location
314-608-301	1	2-Point Private Line — Trouble Location
314-608-500	2	2-Point Private Line — Maintenance Test Procedures

Number	Issue	Subject
<b>314-609 Groupband Data Systems (Restored Polar)</b>		
314-609-100	1	2-Point Private Line — Description
314-609-110	1	Switched Network — General Description
314-609-310	1	Switched Network and 2-Point Private Line — Line-Up Procedures
314-609-311	1	Groupband Data Systems — Switched Network and 2-Point Private Line — Trouble Location
314-609-510	2	Switched Network and 2-Point Private Line — General Maintenance
314-609-511	1	Switched Network and 2-Point Private Line — Gain-Frequency Measurements
314-609-512	1	Switched Network and 2-Point Private Line — Noise Measurements
314-609-513	1	Switched Network and Two-Point Private Line — Relative Envelope Delay Measurements
<b>314-610 Super Groupband Data Systems</b>		
Ⓜ 314-610-100	1	Supergroup Wideband Data Systems (Restored Polar) — 2-Point Private Line — Description
Ⓜ 314-610-300	1	Supergroup Wideband Data Systems — Lineup Procedures
Ⓜ 314-610-500	1	Supergroup Wideband Data System — General Description
<b>314-620 ACCULINK® Multiplexers</b>		
314-620-100	1	ACCULINK® 731 Manual (Document Set Contains Service, Reference and User Guides)
314-620-101	1	ACCULINK 731 Reference Manual
314-620-102	1	ACCULINK 731 User Manual
314-620-103	1	ACCULINK 731 Service Manual
314-620-110	1	ACCULINK® 740 Manual (Document Set Contains Service, Reference and User Guides)
314-620-111	3	740/741/742 ACCULINK Multiplexers — AFN Reference Manual

Number	Issue	Subject	Number	Issue	Subject
314-620-112	3	740/741/742 ACCULINK Multiplexers — AFN User's Manual	<b>ACCULINK Network Termination Units</b>		
314-620-113	3	740/741/742 ACCULINK Multiplexers — AFN Service Manual	314-620-400	1	240 ACCULINK Network Termination Unit (NTU) User Manual (4-94)
314-620-120	1	ACCULINK® 741/756 Manual (Document Set Contains Service, Reference and User Guides)	<b>314-622 Statistical Multiplexers</b>		
314-620-123	1	741/756 ACCULINK Multiplexers — AFN Service Manual	314-622-110	--	721M - Statistical Multiplexer - Document Set NOTE: Consist of Reference, Service and User's Manuals.
314-620-130	1	ACCULINK® 742 Manual (Document Set Contains Service, Reference and User Guides)	314-622-111	2	721M - Statistical Multiplexer - Reference Manual
314-620-133	1	742 ACCULINK Multiplexers — AFN Service Manual	314-622-112	2	721M - Statistical Multiplexer - Service Manual
314-620-140	1	ACCULINK® 745 Manual (Document Set Contains Service, Reference and User Guides)	314-622-113	2	721M - Statistical Multiplexer - Service Manual
314-620-141	3	745 ACCULINK Multiplexers — AFN Reference Manual	314-622-120	--	721S - Statistical Multiplexer - Document Set NOTE: Consist of Reference, Service and User's Manuals
314-620-142	3	745 ACCULINK Multiplexer — AFN Users Manual	314-622-121	1	721S - Statistical Multiplexer - Reference Manual
314-620-143	1	745 ACCULINK Multiplexers — AFN Service Manual	314-622-122	1	721S - Statistical Multiplexer - Service Manual
314-620-150	1	ACCULINK® 756 Manual (Document Set Contains Service, Reference and User Guides)	314-622-123	1	721S - Statistical Multiplexer - User's Manual
314-620-151	1	764 ACCULINK Multiplexers — AFN Reference Manual	314-622-130	--	722M - Statistical Multiplexer - Document Set NOTE: Consist of Reference, Service and User's Manuals
314-620-152	3	764 ACCULINK Multiplexers — AFN User's Manual	314-622-131	1	722M - Statistical Multiplexer - Reference Manual
314-620-153	1	756 ACCULINK Multiplexers — AFN Service Manual	314-622-132	1	722M - Statistical Multiplexer - Service Manual
<b>ACCULINK Bandwidth Controller (ABC)</b>			314-622-133	1	722M - Statistical Multiplexer User's Manual
314-620-300	5	ACCULINK Bandwidth Controller — Systems Guide	314-622-140	--	722N - Statistical Multiplexer - Document Set NOTE: Consist of Reference, Service and User's Manuals
314-620-301	5	ACCULINK Bandwidth Controller — Operating Guide (Version 4)	314-622-141	1	722N - Statistical Multiplexer - Reference Manual
Addendum	10/94		314-622-142	1	722N - Statistical Multiplexer - Service Manual
314-620-302	5	ACCULINK Bandwidth Controller — Application and Release Notes (Version 4)	314-622-143	1	722N - Statistical Multiplexer - User Manual
314-620-303	2	ACCULINK Bandwidth Controller — RPM Operating Guide Ver. 3	314-622-159	1	722N - Statistical Multiplexer - Release Notes NOTE: Reference, Service and User's Manual
314-620-304	1	ACCULINK Bandwidth Controller MAX Operating Guide Version 1			
314-620-305	1	ACCULINK Bandwidth Controller MAX System Guide Version 1			
314-620-306	1	ACCULINK Bandwidth Controller MAX Application and Release Notes			

Number	Issue	Subject
314-622-169	1	722N - Statistical Multiplexer - Release Notes NOTE: Reference, Service and User's Manual
<b>314-624 T1 Multiplexers</b>		
314-624-100	3	T1/E1 Multiplexer — Reference Manual
314-624-101	3	740/742 ACCULINK T1 Multiplexer — User Manual
314-624-102	1	740 ACCULINK T1/E1 Multiplexer Service Manual
314-624-103	--	740 ACCULINK T1 Multiplexer Complete Manual Set NOTE: Set includes 314-624-100, -101, and -102
314-624-104	1	742 ACCULINK T1/E1 Multiplexer Service Manual
314-624-105	--	742 ACCULINK T1 Multiplexer Complete Manual Set NOTE: Set includes 314-624-100, -101, and -104
314-624-106	3	740/742 ACCULINK E1 Multiplexer — User Manual
314-624-107	--	740 ACCULINK E1 Multiplexer Complete Manual Set NOTE: Set includes 314-624-100, -102, and -106
314-624-108	--	742 ACCULINK E1 Multiplexer Complete Manual Set NOTE: Set includes 314-624-100, -104, and -106
<b>314-640 WLR-1 and WLR-2 Wideband Loop Repeaters</b>		
Ⓜ Addendum	1	
Ⓜ 314-640-100	1	WLR-1 and WLR-2 Wideband Loop Repeaters — (10 to 51 Kc) — Description
Ⓜ 314-640-200	2	WLR-2 Wideband Loop Repeater — Installation
Ⓜ 314-640-300	2	WLR-1 and WLR-2 Wideband Customer Loop — Initial Line-Up Procedure
Ⓜ 314-640-500	2	WLR-1 and WLR-2 Wideband Loop Repeaters — (10 to 51 KC) — Trouble- Shooting Procedures and Maintenance Tests

Number	Issue	Subject
<b>314-641 WLR-3 Wideband Loop Repeater</b>		
Ⓜ Addendum	2	
Ⓜ 314-641-100	1	Description
Ⓜ Addendum	1	
Ⓜ 314-641-200	1	Installation
Ⓜ Addendum	1	
Ⓜ 314-641-300	1	Initial Line-up
Ⓜ 314-641-500	1	Maintenance
<b>314-642 WLR-4 Wideband Loop Repeaters</b>		
Ⓜ 314-642-100	1	Description
314-642-200	2	Installation
Ⓜ 314-642-300	1	Initial Line-up
Ⓜ 314-642-500	1	Maintenance
<b>314-643 WLR-5 Wideband Loop Repeater</b>		
Ⓜ 314-643-100	2	1 Through 50 kHz — Description
Ⓜ Addendum	1	
Ⓜ 314-643-200	3	1 Through 50 kHz — Installation and Connection
Ⓜ 314-643-300	2	1 Through 50 kHz — Maintenance
Ⓜ 314-643-500	3	1 Through 50 kHz — Test Procedures
<b>314-644 Wideband Regenerative Repeater (WRR-1), J70174</b>		
Ⓜ 314-644-100	1	Description and Operation
Ⓜ 314-644-200	1	Identification and Connections
Ⓜ 314-644-500	1	Test Procedures
<b>314-645 DATAPHONE Digital Service</b>		
314-645-100	3	DS-1 — Overall Description
314-645-300	3	DS-1 — Maintenance and Trouble Sectionalization
314-645-500	2	DS-1 — Test Procedures
<b>314-646 551 ( )-Type Channel Service Unit</b>		
Addendum	1	
314-646-001	3	551C-L1 — Description, Installation, and Testing (7-92)
314-646-002	2	551D-L1 — Description, Installation, and Testing

Number	Issue	Subject	Number	Issue	Subject
314-646-003	2	551E-L1 — Description, Installation, and Testing (8-92)	314-730-502	1	Tests on Customer's Temporary Terminating Equipment
314-646-100	2	551A — Description	314-731-100	2	110A Key Equipment — Description, Installation, and Maintenance
314-646-200	2	Installation and Connections			
314-646-300	1	Maintenance			
314-646-500	1	Test Procedures			
<b>314-647 1.544 MB/S Digital Service</b>			<b>314-732 110A Key Equipment</b>		
<b>DS1 Digital Service Maintenance System</b>			314-732-100	2	Stationary — (Telephoto) — Description
314-647-100	1	General Description	314-732-101	1	Portable — Description, Installation, and Maintenance
314-647-200	2	Installation and Maintenance	314-732-501	1	Stationary — Installation, Tests, and Maintenance
<b>314-7 Telephotography</b>			<b>314-8 Data Systems — Common Circuits, Equipment, and Procedures</b>		
<b>314-715 General Descriptive Information</b>			<b>314-800 Station Monitoring Test Trunk SD-98141-01</b>		
314-715-100	3	General Descriptive Information	314-800-300	1	Circuit Order and Routine Tests
314-715-101	4	Tonloc Equipment	<b>314-805 Station Monitoring Test Line Circuit SD-70925-01</b>		
314-715-102	1	104A and 105A Coupling Units	314-805-100	1	Description
314-715-103	2	Frequency Weighting Network for Noise Measurements	314-805-500	1	Use at Testboards and Serviceboards
314-715-104	2	Tone Operated Control Circuit — TOCC Per SD-56524-01	<b>314-810 Station Test Line SD-70926-01</b>		
314-715-105	1	Description — 71A1 Level Compensator	314-810-100	1	Description
314-715-500	1	Delay Equalizers for H-44-25-S Cable and Open Wire Circuits	314-810-300	1	Circuit Order and Routine Tests
314-715-502	2	Telephotograph Apparatus — Coupling to Telephone Lines	314-810-500	1	Use at Telegraph Testboards or Serviceboards
314-715-504	3	Tone-Operated Control Circuit (SD- 56524-01) — Out-of-Service Tests	<b>314-811 Station Test Line — 1A Transaction Telephone</b>		
314-715-505	1	71A1 Level Compensator — Tests and Adjustments	314-811-100	2	Description
<b>314-728 Initial and Periodic Maintenance Tests</b>			314-811-180	1	Summarizing Specification
314-728-500	3	General	314-811-200	2	Installation and Connections
314-728-501	3	Central Office Equipment	314-811-500	2	Maintenance and Tests
314-728-502	4	Overall Circuit Tests	<b>314-813 Clock Distribution Unit</b>		
<b>314-730/731 Station Equipment</b>			314-813-101	2	Clock Distribution Unit — Description and Operation
314-730-500	2	Line-Up of One-Way Local Channels and Equipment at Subscriber Locations	314-813-102	1	Clock Distribution Unit — AHG16 Timing Interface — Data Sheet
314-730-501	1	Line-Up of 4-Wire Local Channels and 110A Key Station Equipment			

Number	Issue	Subject	Number	Issue	Subject
314-813-103	1	Clock Distribution Unit/Synchronization Distribution Expander — AHG26 Timing Distributor Data Sheet	<b>314-821 406A Tone Generator</b>		
314-813-104	1	Clock Distributor Unit/Synchronization Distribution Unit/Synchronization Distribution Expander — AHG27 Timing Interface	314-821-100	1	Description
314-813-201	2	Clock Distribution Unit — Installation and Maintenance Procedures	314-821-200	1	Installation and Connections
<b>314-815 Voiceband Multiport Split Bridge With Gain, Equalization and Test Access</b>			314-821-500	1	Test Procedures
314-815-100	2	Description	<b>314-825 Data Test Center</b>		
314-815-500	1	Installation and Maintenance Test Procedures	314-825-500	2	Dataspeed Tests Using Dataspeed Tape Receiver Unit
<b>314-820 Equipment Components Having General Application</b>			314-825-501	2	Dataspeed Tests Using Dataspeed Tape Sender Unit
314-820-100	2	Envelope Delay Characteristics of 200- Type Delay Equalizers	314-825-502	2	905 AX1 Data Test Set
314-820-103	3	Envelope Delay Characteristics of 366 and 367 Type Equalizers	<b>314-850/855 Procedures Having General Application</b>		
314-820-104	2	Envelope Delay Characteristics of 384- and 385-Type Equalizers — Description	314-850-500	1	Testing of Pairs for Data Circuits
314-820-105	2	Attenuation Equalizer and Noise Filter	<b>314-860 Voice Grade Special Service Circuits</b>		
314-820-106	1	J99347 VF Amplitude and Delay Equalizing Equipment — Description	■ 314-860-001 AC	1	1 x N Analog Line Transfer Switch
314-820-107	1	950A-Type Equalizer — Description	<b>314-9 Digital Data System</b>		
314-820-108	1	950B-Type Equalizer — Description	314-900-000	1	Dataport Testing
314-820-206	1	J99347 VF Amplitude and Delay Equalizing Equipment — Installation and Connections	314-900-100	5	Private Line Service — Overall Description
314-820-207	1	950B-Type Equalizer — Prescription Settings	314-900-101	1	Overall Description
314-820-506	1	J99347 VF Amplitude and Delay Equalizing Equipment, Test Procedures, and Maintenance	314-900-300	5	Private Line Service — Overall Maintenance
			314-900-301	1	Overall Maintenance
			■ 314-900-901AC	1	
			■ 314-900-902AC	1	1xN Controller — (SM-20739)
			314-901-011	4	Hub Identification Coding Plan
			314-901-200	4	2-Point and Multipoint Private Line Circuit — Turn-Up Procedures
			314-901-201	1	Multipoint Circuit — Turn-Up Procedures
			314-901-210	1	Access Line — Turn-Up Procedures
			314-901-215	1	Trunk Turn-Up Procedures
			314-901-300	3	2-Point and Multipoint Private Line Circuit — Maintenance Procedures
			314-901-301	1	Serving Test Center — Multipoint Private Line Circuit — Maintenance and Test Procedures



Number	Issue	Subject	Number	Issue	Subject
314-901-310	1	Serving Test Center — Maintenance Procedures	314-912-300	3	T1 Data Multiplexer — Maintenance and Troubleshooting
314-901-500	6	2-Point and Multipoint Private Line Circuit — Test Procedures	314-912-500	4	T1 Data Multiplexer — Tests
314-901-510	1	Serving Test Center — Test Procedures	314-913-100	1	Master Timing Supply Interface — Description
314-901-520	1	Automated Bit Access Test System (ABATS) — Description and Operation	Addendum	1	
● 314-901-530	2	BATS (Bit Access Test System) and LATS (Line Access Test System) — Manual Test Procedures	314-913-110	1	Nodal Timing Supply — Description
■ 314-901-530 AC	1	2-Point and Multipoint Private Line Circuits — Manual Turn-Up and Test Procedures	Addendum	1	
● 314-901-531	2	Automated Bit Access Test System — Remote Test Procedures	314-913-115	1	Secondary Timing Supply — Description
■ 314-901-531 AC	1	Automated Bit Access Test System — Remote Test Procedures	Addendum	1	
● 314-901-532	1	Automated Bit Access Test System — Remote Data-Base Update Procedures	314-913-120	1	Local Timing Supply — Description
■ 314-901-532 AC	1	Automated Bit Access Test System — Remote Data-Base Update Procedures	314-913-215	1	Changing a Secondary Timing Supply to a Nodal Timing Supply — Conversion Procedure
314-902-200	4	Turn-Up Methods — DS-0 Facility	314-913-220	4	Synchronization Distribution Expander — Description, Installation, and Operation
<b>314-903 DS-1 Facility</b>			314-913-221	2	Synchronization Distribution Expander — Installation and Maintenance Procedures
314-903-200	3	DS-1 Facility — Turnup Activities	314-913-222	1	AHG1 Timing Alarm, Data Sheet, Synchronization Distribution Expander
314-903-300	2	DS-1 Facility Maintenance Activities	314-913-223	1	AHG4 Timing Distributor, Data Sheet, Synchronization Distribution Expander
314-910-100	6	Office Channel Units and Auxiliary Circuits — Description	314-913-224	1	AHG10 Timing Interface, Data Sheet, Synchronization Distribution Expander
Addendum	1		314-913-227	1	Synchronization Distribution Expander — AHG5 D5-1 Timing Distributor — Data Sheet
314-910-300	4	Office Channel Unit and Auxiliary Circuits — Maintenance Procedures	314-913-228	1	AHG25 DS-1 Timing Distribution — Data Sheet — Clock Distribution Unit Synchronization Distribution Expander
314-910-500	6	Office Channel Unit and Auxiliary Circuits — Test Procedures	314-913-229	2	AHG15,S2:2 Timing Interface — Data Sheet — Synchronization Distribution Expander (4-92)
314-911-100	4	Subrate Data Multiplexer — Description	314-913-300	1	Master Timing Supply — Maintenance and Troubleshooting
314-911-501	2	Subrate Data Multiplexer — Initial Tests	Addendum	1	
314-911-502	2	Subrate Data Multiplexer — Maintenance, Trouble Location and Correction Tests	314-913-310	1	Nodal Timing Supply — Maintenance and Troubleshooting
314-912-100	4	T1 Data Multiplexer — Description	Addendum	1	
			314-913-315	1	Secondary Timing Supply — Maintenance and Troubleshooting

Number	Issue	Subject	Number	Issue	Subject
314-913-320	1	Local Timing Supply — Maintenance and Troubleshooting	314-919-200	4	Subrate Off-Net Extension Arrangements — Installation and Connections
314-913-500	2	Master Timing Supply — Tests	314-919-300	3	Subrate Off-Net Extension Arrangement — Maintenance
314-913-510	2	Nodal Timing Supply — Tests	314-919-500	3	Subrate Off-Net Extension Arrangement — Test Procedures
314-913-515	2	Secondary Timing Supply — Tests	314-920-100	2	Digital 56-KB/S Repeater — Description
314-913-520	2	Local Timing Supply — Tests	314-920-300	1	Digital 56-KB/S Repeater — Maintenance
314-914-100	3	DSX-0 Cross-Connect Bay — Description	314-920-500	3	Digital 56-KB/S Repeater — Test Procedures
314-914-300	1	DSX-0 Cross-Connect — Maintenance	Addendum	1	
314-914-400	2	DSX-0 Cross-Connect — Connections	314-960-100	1	DS-1 Signal Access Unit and Auxiliary Circuits — Description
314-915-100	1	T1WB4 Data-Voice Multiplexer — Description	314-960-300	2	DS-1 Signal Access Unit and Auxiliary Circuits — Maintenance and Trouble Locating Procedures
314-915-110	3	T1WB5 Data-Voice Multiplexer Local Office Bay — Description	314-970-100	2	Multiplexer Jack and Connector Panel and Subrate Data Multiplexer Jack and Connector Panel — Description
314-915-300	2	T1WB4 Data-Voice Multiplexer — Initial Installation and Tests	314-970-101	2	Central Office — 5-Volt Power Supply Shelf — Description, Maintenance, and Testing
314-915-310	3	T1WB5 Data-Voice Multiplexer Local End Office Bay — Initial Installation and Tests	314-983-100	1	T1 Data Multiplexer Performance Monitor — Description
314-915-501	1	T1WB4 Data-Voice Multiplexer — Trouble- Locating Procedures	314-983-110	1	Subrate Data Multiplexer Performance Monitor — Description
314-915-510	1	T1WB5 Data-Voice Multiplexer Local Office Bay — Trouble- Locating Procedures	314-983-300	1	T1 Data Multiplexer Performance Monitor — Maintenance and Troubleshooting
314-916-100	2	Bay Clock, Power, and Alarms Circuit — Description	314-983-310	1	Subrate Data Multiplexer Performance Monitor — Maintenance and Troubleshooting
314-916-300	2	Bay Clock, Power, and Alarms Circuit — Maintenance and Troubleshooting	314-983-500	2	T1 Data Multiplexer Performance Monitor — Tests
314-916-500	1	Bay Clock, Power, and Alarms Circuit — Tests	314-983-510	1	Subrate Data Multiplexer Performance Monitor — Tests
314-917-100	2	Multipoint Junction Units and Auxiliary Circuits — Description	Addendum	1	
314-917-300	2	Multipoint Junction Units and Auxiliary Circuits — Maintenance and Troubleshooting Procedures	① 314-984-100	1	Digital Transmission Surveillance System — General Description
314-917-500	2	Multipoint Junction Units and Auxiliary Circuits — Test Procedures	① 314-984-101	4	Digital Transmission Surveillance System — Administrative Methods
314-918-100	3	Digital Data Group Terminal — Description	Addendum	3	
314-918-300	2	Digital Data Group Terminal — Troubleshooting and Testing	① 314-984-200	1	Digital Transmission Surveillance System — Circuit Pack Installation and Test Procedures
314-919-100	3	Subrate Off-Net Extension Arrangements — Description			
314-919-180	1	Data Auxiliary Set 831A Type — Summarizing Specification			

Number	Issue	Subject
Addendum	1	
● 314-984-300	1	Digital Transmission Surveillance System — Central Processor Operation and Data-Base Management
Addendum	1	
● 314-984-500	1	Digital Transmission Surveillance System — Overall System Maintenance Requirements and Test Procedures
■ 314-984-500 AC	1	Digital Transmission Surveillance System — Overall System Maintenance Requirements and Test Procedures

**Division 318**

**Television Systems**

**318-0 Index, Equipment Test Lists, Administration, General, Facility Management Center, Descriptive Information, and Local Video Channels and Services**

- 000 Index
- 001 Equipment Test Lists
- 003 Administration
- 010 General
- 012 Facility Management Center — TV
- 015 Descriptive Information
- 020 Local Video Channels and Services

**318-1 Analog Baseband Video Transmission Systems**

- 100 A2AT Video Transmission System
- 105 A4 Video Transmission System
- 110 Commercial Television Service Multipulse

**318-2 Digital Video Transmission Systems**

- 200 DTLS (Digital Television Lightwave System)
- 203 Tests and Performance Objective

**318-3 FV-43 Diplexed Audio System**

**318-4 Television Operating Centers and Associated Equipment Units**

- 400 J44107 Television Operating Centers
- 401 Amplifiers
- 402 J44107J Balanced Clamper
- 410 J44107 Video Switches
- 415 J68364A and J68364B Switching Control Equipment (30 by 30 Maximum)
- 420 J68364C Switching Control Equipment (20 by 20 Maximum)
- 425 Program Encoders
- 430 J44107AA Monitoring Positions
- 435 Large Office Test Positions
- 440 Alignment of Interconnecting Circuits

**318-5 Cable Television Transmission Systems**

- 500/513 Coaxial — RF Type
- 590 Vikoa Type Equipment Units

**318-7 Overall Lineup of Video Facilities**

- 715 TD-2 Radio Systems — Differential Gain and Phase
- 725 Transmission Impairments on Television Channels

Number	Issue	Subject
<b>318-0 Index, Equipment Test Lists, Administration, General, Facility Management Center, Descriptive Information, and Local Video Channels and Services</b>		
<b>318-000 Index</b>		
318-000-000	87	Numerical Index — Division 318 — Television Systems
<b>318-001 Equipment Test Lists</b>		
318-001-005	1	Orders for Service
318-001-010	1	Completion and Interruption Reports
318-001-011	5	Equipment Test List Supplement
<b>318-003 Administration</b>		
318-003-000	1	Organization and Responsibilities
<b>318-010 General</b>		
318-010-300	1	General Instructions
318-010-301	1	Facilities, Equipment and Test Signals — General Considerations
318-010-302	1	Service Procedures
318-010-303	1	INTELSAT* Satellite Television
318-010-306	1	Routine and Maintenance Testing
318-010-308	1	Cable Transmission Systems — Periodic Test Intervals
<b>318-012 Facility Management Center — TV</b>		
318-012-010	1	Administration of Intercity Facilities for Part-Time Service
318-012-011	1	Video IF Switching Record

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Number	Issue	Subject	Number	Issue	Subject
<b>318-015 Descriptive Information</b>			318-100-116	1	Noise Measurement — Overall System Tests
318-015-000	3	Glossary of Video Terms	318-100-117	1	Loss Equalization With 653A Test Oscillator — Overall System Tests
318-015-005	1	Jack Field and Supplementary Designations	318-100-118	1	Clamper Suppression — Overall System Tests
318-015-101	1	Picture Transmission — Relationship Between Quality, Bandwidth and Time of Transmission	<b>318-105 A4 Video Transmission System</b>		
318-015-102	1	Effects of Frequency Cutoff Characteristics on Spiking and Ringing of TV Signals	318-105-100	1	Description
318-015-110	1	Low Frequency Noise Associated with Remote Television Pick-ups (N.T.C. Report No. 1)	318-105-110	1	System Lineup
318-015-112	1	Network Transmission Committee — Report No. 7 — Video Facility Testing — Technical Performance Objectives	<b>318-110 Commercial Television Service Multipulse</b>		
318-015-114	1	Premium-Grade — Post-Divestiture Electrical Interfaces and Performance Objectives	■ 318-110-001AC	1	Description and Method of Measurement
318-015-115	1	Standard-Grade Video and Associated Audio Signals — Post-Divestiture Electrical Interfaces and Performance Objectives	<b>318-2 Digital Video Transmission Systems</b>		
318-015-120	1	Type 7003 and Type 7004 (Educational and Industrial Television)	<b>318-200 DTLs (Digital Television Lightwave System)</b>		
<b>318-020 Local Video Channels and Services</b>			318-200-100	2	Description
318-020-000	2	Service Procedures on Local Video Channels	▲318-200-105	1	Acceptance and Maintenance Tasks
318-020-100	1	Local Video Order Wire	<b>318-203 Tests and Performance Objective</b>		
318-020-101	1	Local Channel Equipment Management (LEM) Plan	318-203-508	2	Local Channel Tests and Performance Objectives
<b>318-1 Analog Baseband Video Transmission Systems</b>			318-203-509	2	TOC/TFTP-Radio Trunk Tests and Performance Objectives
<b>318-100 A2AT Video Transmission System</b>			318-203-510	1	Differential Phase and Gain Measurements Using Telemet Model 3703
318-100-100	1	Overall System — Description	<b>318-3 FV-43 Diplexed Audio System</b>		
318-100-105	1	Test Information	318-300-100	2	Description
318-100-110	1	Terminal and Repeater—Setup Tests	318-300-500	2	Installation and Maintenance
318-100-114	1	Low-Frequency Distortion — Overall System Tests	<b>318-4 Television Operating Centers and Associated Equipment Units</b>		
318-100-115	1	Delay Equalization — Overall System Tests	<b>318-400 J44107 Television Operating Centers</b>		
			318-400-100	2	Description (Large and Medium Size)
			318-400-110	3	Description (Small — 7 by 12 Maximum)

Number	Issue	Subject
<b>318-401 Amplifiers</b>		
318-401-501	6	J44105E Receiving Terminal Amplifier
318-401-502	6	J44106E Receiving Terminal Amplifier
318-401-503	4	J44107E 1 by 3 Splitting Amplifier
318-401-504	4	Power Supply, Voltage and Alarm Tests

<b>318-402 J44107J Balanced Clamper</b>		
318-402-300	5	Initial and Routine Tests
318-402-501	4	Filament Activity Tests
Addendum	1	
318-402-502	4	Clamping Margin and Metallic Suppression Measurements
318-402-503	3	Longitudinal Suppression Tests
318-402-504	3	Trouble Investigation
318-402-505	1	Measurement of Distortion Between 15 KC and 300 KC
318-402-506	1	Measurement of Distortion of Vertical Interval Pulses

<b>318-410 J44107 Video Switches</b>		
318-410-100	4	Video Switching Arrangements — Description
318-410-501	3	Check of Electrical Length of Test Cables
318-410-502	3	Amplifiers — Level Adjustments
Addendum	1	
318-410-503	4	Measurement of Input Trunks and Associated Paths Through the Video Switch
Addendum	1	
318-410-504	4	Measurement of Output Trunks and Associated Paths Through the Video Switch

<b>318-415 J68364A and J68364B Switching Control Equipment (30 by 30 Maximum)</b>		
318-415-100	3	Description
318-415-500	4	Tests and Adjustments

Number	Issue	Subject
<b>318-420 J68364C Switching Control Equipment (20 by 20 Maximum)</b>		
318-420-100	1	Description
318-420-500	2	Tests and Alignment
318-420-501	2	Composite Control Panel Tests When Used for Video Switching
318-420-502	1	Test of Cross Connections, Relay Operation and Circuit Continuity

<b>318-425 Program Encoders</b>		
318-425-100	1	MPEG-2 Program Encoder Reference Manual (8-94)

<b>318-430 J44107AA Monitoring Positions</b>		
318-430-100	4	Description
318-430-500	3	Tests and Alignment

<b>318-435 Large Office Test Positions</b>		
318-435-100	2	Description
318-435-500	3	Tests and Alignment
318-435-501	2	Test Position Switching Control Operation
318-435-502	2	Test Equipment Setup For Equalization Adjustments
318-435-503	2	Test Equipment Setup for Measuring Differential Phase and Gain
318-435-504	2	61C Signal Generator — Calibration of Video Signal
318-435-505	2	J68362 Video Visual Test Set
318-435-506	2	1070 BR Telechrome Multiburst Frequency Generator
318-435-507	2	KS-15512 L4 Oscilloscope
318-435-508	2	KS-15654 L1 Video Monitor
318-435-509	2	Line-up and Equalization of Test Circuits

<b>318-440 Alignment of Interconnecting Circuits</b>		
318-440-100	4	Video Connecting Facilities — Description
318-440-300	1	Periodic Test Intervals
318-440-500	5	Alignment of Radio—TOC Interconnecting Transmit Circuits — Maintenance

Number	Issue	Subject	Number	Issue	Subject
318-440-501	5	Alignment of Radio—TOC Interconnecting Receive Circuits — Maintenance	318-510-590	1	Using LSA-410A or AB Amplifiers — Over-all Line-up Procedures
318-440-502	3	TOC Transmitting to TD Radio Via Local Video Systems	318-511-100	1	Equipment Unit — Jerrold Model LSA- 795A Amplifier
318-440-503	3	TD Radio Transmitting to TOC Via Local Video Systems	318-512-501	1	Equipment Unit — Jerrold Model TML-1 Amplifier
318-440-505	2	Line-up of Customers Loops	318-512-502	1	Equipment Unit — Jerrold Model — TBA-1 Bridging Amplifier
<b>318-5 Coaxial Cable Television Transmission Systems — RF Type</b>					
318-500-100	2	Description	318-512-503	1	Equipment Unit — Jerrold Model TBA-2 Bridging Amplifier
318-500-500	1	Maintenance	318-512-504	1	Equipment Unit — Jerrold Model TLE-1 Line Extender Amplifier
318-500-510	3	Calibration of Test Equipment	318-512-505	1	Equipment Unit — Jerrold Model TAGC-213 Automatic Gain Control Unit
318-500-520	1	Equipment Unit — SKL Model 211 Amplifier	318-512-510	1	Equipment Unit — Jerrold Model RPS-30 Power Supply
318-500-521	1	Equipment Unit — SKL Model 211C Amplifier	318-512-520	2	Equipment Unit — Jerrold Channel Commander — Model COM
318-500-530	1	Equipment Unit — SKL Model 448 Pilot Carrier Generator	318-512-540	1	Equipment Unit — Jerrold Model TLSA-510 Amplifier
318-500-540	1	Equipment Unit — SKL Model 459 Subchannel Converter	318-513-100	1	Equipment Units — Jerrold Solid-State SA(W)-Series Amplifiers and Associated Equipment — General Description
318-500-550	1	Equipment Unit — SKL Model 474 Automatic Slope Equalizer	Addendum	1	
318-500-560	1	Equipment Unit — SKL Model 830 Automatic Level Control Unit	318-513-501	1	Equipment Unit — Jerrold Model SA-1 Amplifier
318-500-570	1	Equipment Unit — SKL Model 831 Automatic Alarm Unit	Addendum	1	
318-500-571	1	Equipment Units — SKL/7027K and 7037K Dual-Pilot Amplifiers	318-513-502	1	Equipment Unit — Jerrold Model SA-2 Amplifier
318-500-580	2	Equipment Unit — TIC Model 2123A-KS Chromatran	Addendum	1	
318-500-590	1	Over-All Line-Up Procedures	318-513-503	1	Equipment Unit — Jerrold Model SA-3 Amplifier
318-500-591	1	Using 211C Amplifiers — Over-All Line-Up Procedures	Addendum	1	
318-510-100	1	Using LSA-410A or AB Amplifiers — Description	318-513-504	1	Equipment Unit — Jerrold Model SA-4 Amplifier
318-510-500	1	Using LSA-410A or AB Amplifiers — Maintenance	Addendum	1	
318-510-520	3	Using LSA-410A or AB Amplifiers — Equipment Unit — Jerrold* Model LSA-410 Type Amplifiers	318-513-505	1	Equipment Unit — Jerrold Model SA-5 Amplifier
318-510-570	1	Using LSA-410A or AB Amplifiers — Equipment Unit — Jerrold Model AR-410 Alarm Unit	318-513-506	1	Equipment Units — Jerrold Plug-In Splitters Models S0-1, S0-2, S0-3, S0-4
			318-513-507	1	Equipment Unit — Jerrold Model SX-1 Line Extender Amplifier
			Addendum	1	
			318-513-508	1	Equipment Unit — Jerrold Model SPS-12 Power Supply and SPJ-2 Power Combiner

\* Jerrold is a trademark of General Instrument Corporation

Number	Issue	Subject
Addendum	1	
318-513-509	1	Equipment Units — Jerrold Hybrid Splitting Network, Model SHS-2 Jerrold Directional Coupling Networks, Models SDC-8, SDC-12, SDC-16 Jerrold Thermal Equalizer, Model STE
Addendum	1	
318-513-510	1	Equipment Unit — Jerrold Model SA-6A Distribution Amplifier
318-513-511	1	Jerrold Model SLE-1 Line Extender Amplifier — Description, Installation, and Maintenance
318-513-520	2	50- to 220-MHZ Band — Overall Lineup
318-513-521	1	50- to 220-MHZ Band — Overall Maintenance

**318-590 Vikoa Type Equipment Units**

318-590-500	1	Equipment Units — Vikoa VS-67, VS-68 Amplifiers
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**318-7 Overall Lineup of Video Facilities**

318-700-500	2	Tests and Adjustments
318-700-501	2	Oscilloscope Calibration
318-700-502	2	Multiburst Generator Lineup
318-700-503	2	Video Section of Color Facilities — Routine Lineup Procedure
318-700-504	2	Video Section of Monochrome Facilities — Routine Lineup Procedure
318-700-508	1	Television Systems — Over-All Lineup of Video Facilities — Measurements of Distortion Between 15 KC and 300 KC

Number	Issue	Subject
<b>318-715 TD-2 Radio Systems — Differential Gain and Phase</b>		
318-715-300	1	Periodic Test Intervals
318-715-500	2	Measurements and Adjustments
318-715-501	1	Video Facilities — Adjustments on TD Radio
<b>318-725 Transmission Impairments on Television Channels</b>		
318-725-500	2	Procedure for Locating and Clearing
318-725-501	1	Critical Monitoring Using Video Monitors
318-725-502	1	Critical Monitoring Using Oscilloscopes
318-725-503	1	Critical Monitoring — Video Test Signals
318-725-504	1	Video Levels
318-725-505	1	Interference
318-725-506	1	Low-Frequency Interference
318-725-507	1	High-Frequency Interference
318-725-508	1	Distortion
318-725-509	2	Low-Frequency Distortion
318-725-510	1	Mid-Frequency Distortion
318-725-511	1	High-Frequency Distortion
318-725-512	1	Video Circuits



**Division 320**

**Program Transmission Systems and Services**

**320-0 Indexes and Equipment Test Lists**

**320-1 Post-Divestiture Program Audio Services**

**320-2 Program Audio Equipment**

**320-3 Program Audio Testing**

Number	Issue	Subject
<b>320-0 Indexes and Equipment Test Lists</b>		
320-000-000	42	Numerical Index — Division 320 — Program Transmission Systems and Services
320-001-011	3	ETL
320-007-000	2	Program Transmission National Industry Advisory Committee Emergency Broadcasting System (NIAC EBS)
320-007-001	2	Program Transmission National Industry Advisory Committee Emergency Broadcasting System (NIAC Order 1)
320-007-002	2	Program Transmission National Industry Advisory Committee Emergency Broadcasting System (NIAC Order 2)
320-007-003	1	Program Transmission National Industry Advisory Committee Emergency Broadcasting System (NIAC EBS) NIAC Orders 101-106
<b>320-1 Post-Divestiture Program Audio Services</b>		
320-100-110	1	Electrical Interfaces and Performance Objectives
320-100-111	1	Standard-Grade — Postdivestiture Electrical Interface and Performance Objectives
<b>320-110 Local Channel</b>		
320-110-100	1	Procedure for Establishing and Maintaining Circuits

Number	Issue	Subject
320-110-105	1	Equalization of 5-, 8-, and 15-kHz—Program and Wired Music Circuits—General Information
320-110-106	1	Preequalization Tests on 5-, 8-, and 15-KC—Program and Wired Music Circuits
320-110-110	1	Equalization of 5 or 8 kHz—Program and Wired Music Circuits
320-110-115	1	Equalization of 15-kHz Program Circuits
320-110-116	1	Equalization of Nonloaded Cable Circuits to 15 kHz for Program Transmission — Description
320-110-120	1	Stereo Channels—Description
320-110-121	1	Testing Methods — Stereo Channels
320-110-125	1	V4 Repeater Equipment — Description and Lineup

**320-120 Program Operating Center (POC)**

320-120-110	1	Program Operating Center — Program Amplifiers and Equalizers —QVF52B and QVF52E Program Equalizer—QVF52D — Description, Initial Adjustments, and Tests
320-120-112	1	QVF52C and H Program Amplifiers — Description and Initial Adjustments — Program Operating Center
320-120-114	1	QVF7D and QVF7E 4-Wire Repeater Units — Description and Initial Adjustments — Program Operating Center
320-120-116	1	QVF52F Program Coil—Description and Installation Program Operating Center
320-120-118	1	Vari-Bump Equalizer Unit QF59A — Description and Initial Adjustments — Program Operating Center
320-120-120	1	QVF60A Program Compressor and QVF60B Program Expander — Description and Tests — Program Operating Center
320-120-122	1	J8002AR-1 Program Monitor Panel — Description and Installation — Program Operating Center

Number	Issue	Subject	Number	Issue	Subject
320-120-124	1	QVF8A, B, and C — 4-Wire Extension Units — Description, Initial Adjustment, and Tests — Program Operating Center	320-190-116	1	Types 6002 and 6003 Program Facilities Using Carrier Telephone Facilities — Tests and Adjustments
320-120-126	1	Line Attenuator Unit QVF30A — Description — Program Operating Center	320-190-121	1	Type 6001 Program Circuits— Operation and Maintenance
320-120-128	1	Through-Connector Units QVF20A and B—Description— Program	320-190-122	1	Classes of Program Service — Type 6001 Program Circuits — Tests and Adjustments
320-120-130	1	Test Extender Units QVF33A, B, and C— Description and Use — Program Operating Center			
<b>320-126 Voice Frequency Facilities</b>			<b>320-2 Program Audio Equipment</b>		
320-126-100	1	Description	<b>320-200 Amplifier-Equalizer (Repeater)</b>		
320-126-500	2	Tests and Adjustments	320-200-100	1	KS-20312, L1 Program Amplifier — Description — Program Audio Equipment
<b>320-130 Long Haul Carrier</b>			320-200-101	1	Program Audio Equipment — KS-20312, L1 — Program Amplifier — Tests
320-130-125	1	Analog 15-kHz, Dual-Channel Terminal — Program Transmission Lineup and Testing — Long-Haul Carrier	320-200-102	1	ATP-3 Program Amplifier — Description
<b>320-140 Short Haul Carrier</b>			320-200-103	1	ATP-3 Program Amplifier — Program Circuit Alignment
320-140-110	1	Types 6004 and 6005 — Program Channels on N1 Carrier System — Description	<b>320-235 Program Switching</b>		
320-140-111	1	N Carrier Types 6004 and 6005 — 5-kHz Program Terminal — General Description	320-235-100	1	Description of Switching Equipment
320-140-112	1	Types 6004 and 6005 — 5-kHz Program Channels on N1 Carrier Systems — Test Intervals	320-235-105	1	Description of Remote Control Arrangements
320-140-113	1	Types 6004 and 6005 — Program Channels on N1 Carrier System — Tests and Adjustments	<b>320-240 Monitoring Arrangements</b>		
<b>320-190 Classes of Program Audio Service</b>			320-240-100	1	Description
320-190-105	1	Types 6002 and 6003 Program Channels — Operation and Maintenance	320-270-100	1	ATP6 Remote Amplifier Power Supply and J99401A, B, and D Shelf Mounting Arrangements — Description — ATP3 Program Amplifier System
320-190-115	1	Types 6002 and 6003 Program Facilities Using Carrier Telephone Systems — Description	<b>320-3 Program Audio Testing</b>		
			<b>320-300 General</b>		
			320-300-100	1	Program Audio Testing— Equalization of 5, 8, and 15 KHZ Test Equipment

Number	Issue	Subject
<b>320-320 Noise and Crosstalk Tests</b>		
320-320-100	1	Noise and Crosstalk Tests on Program Circuit Units — Program Audio Testing
<b>320-330 Harmonic Distortion</b>		
320-330-100	1	1A Harmonic Distortion Measuring System — Description — Harmonic Distortion
320-330-101	1	Testing Intervals — Harmonic Distortion — 1A Harmonic Distortion Measuring System
320-330-102	1	1A Harmonic Distortion Measuring System — Testing Methods and Procedures — Harmonic Distortion
<b>320-340 Volume Measurements</b>		
320-340-100	1	Volume Measurements — Volume Measurements of Electrical Speech and Program Waves
320-340-102	1	752-, 753-, and 754-Type Volume Indicators — Description — Volume Measurements
320-340-103	1	KS-16652, KS-16653, and KS-16654 Volume Indicators — Volume Measurements — Description

**Division 330**

**Cable and Open-Wire Testing and Trouble Location Methods**

**330-0 Indexes and General Information**

**330-2 Coaxial Cables**

**330-3 Exchange-Area and Subscriber Cables**

**330-4 Trouble Location Methods Using Voice-Frequency Sweep Test Sets**

Number	Issue	Subject
<b>330-0 Indexes and General Information</b>		
<b>330-000 Index</b>		
330-000-000	19	Numerical Index — Division 330 — Cable and Open-Wire Testing and Trouble Location Methods

**330-2 Coaxial Cables**

**330-200 Preparation and Completion Tests**

Addendum	1	
330-200-501	1	L1 and L3 Coaxial Conductors
Addendum	1	
330-200-502	1	L4 Coaxial Conductors

**330-3 Exchange-Area and Subscriber Cables**

**330-300 Completion Tests**

330-300-500	1	Introduction
330-300-501	1	Apparatus, Records and Forms
Addendum	1	
330-300-502	1	Preparation
330-300-503	1	Testing
330-300-504	1	Analysis and Reports
330-300-520	1	Return Loss Test — Subscriber Long Route Design

Number	Issue	Subject
Addendum	1	
330-300-525	2	Conformance Testing of Subscriber Cables — General
330-300-526	2	Conformance Testing of Subscriber Cables — Administrative Procedures
330-300-527	2	Conformance Testing of Subscriber Cables — Test Procedures, Analysis, and Categorization of Pairs

**330-4 Trouble Location Methods Using Voice-Frequency Sweep Test Sets**

**330-450 Trouble Location Methods**

330-450-100	1	General Theory
Appendix 01	1	General Theory
Appendix 02	1	General Theory
330-450-101	1	Tests on Trunk Cable Pairs
Addendum	1	
330-450-102	2	Tests on Subscriber Cable Pairs
330-450-501	1	Tests at #14 Test Desks or Equivalent
330-450-502	1	Tests at Master Test Frames in No. 5 XB Offices
330-450-503	1	Tests at SXS Test Distributors
330-450-504	1	Tests at the Main Distributing Frame
330-450-505	1	Tests at OGT Frames in No. 1 XB Offices
330-450-506	1	Tests and Trunk Ringing Circuit Appearances at the Main Frame
Addendum	1	
330-450-507	1	Detailed Analyses

<b>Division 331</b>		<b>Number</b>	<b>Issue</b>	<b>Subject</b>	
<b>Transmission and Noise Testing, Central Office PBX Customer Lines and Equipment</b>		331-700-130	1	Cross-Office Noise — Testing Methods — Test Equipment	
		331-700-501	1	Cross-Office Noise Testing Methods — Step-by-Step	
		331-700-502	1	Cross-Office Noise — Testing Methods — Panel Offices	
<b>331-0 Indexes</b>		331-700-503	1	Cross-Office Noise — Testing Methods — No. 1 Crossbar Offices	
<b>331-1 Basic Principles — Noise</b>		331-700-504	1	Cross-Office Noise — Testing Methods — No. 5 Crossbar Offices	
<b>331-2 Noise Measurements — Requirements and Procedures</b>		331-700-505	1	Cross-Office Noise — Testing Methods — No. 1 ESS™ Offices	
<b>331-7 Central Office Noise</b>		331-701-500	1	Impulse Noise — Central Office Test Procedures and Investigation	
<b>331-8 PBX Lines and Subscriber Loops — Transmission Noise Testing</b>		331-701-501	1	Battery Supply Noise — Procedures for Making and Evaluating Noise Measurements on Central Office Battery Supplies	
<b>Number</b>	<b>Issue</b>	<b>Subject</b>			
<b>331-0 Indexes and Equipment Test Lists</b>					
331-000-000	27	Numerical Index — Division 331 — Transmission and Noise Testing, Central Office PBX Customer Lines and Equipment	<b>331-8 PBX Lines and Subscriber Loops — Transmission Noise Testing</b>		
331-001-011	1	ETL	331-850-501	4	Noise Measurements on Two-Wire Subscriber Loops — Methods and Requirements — At Stations
<b>331-1 Basic Principles — Noise</b>					
331-100-100	2	Message Circuit and C-Notched — General Information	331-850-502	1	Methods for Identifying and Correcting Inductive Noise Troubles on Subscriber Lines
331-100-101	2	Impulse Noise — General Information	331-850-505	6	Noise Measurements on 2-Wire Subscriber Loops — Methods and Requirements — At No. 5 Crossbar Central Offices
<b>331-2 Noise Measurements — Requirements and Procedures</b>					
331-200-100	2	Impulse Noise — Requirements and Measurement	331-850-506	4	Noise Measurements on 2-Wire Subscriber Loops — Methods and Requirements — At SXS Central Offices
331-200-105	1	Impulse Noise — Trunks — Test Procedures and Investigation	331-850-507	4	Noise Measurements on 2-Wire Subscriber Loops — Methods and Requirements — At No. 1 Crossbar Central Offices
<b>331-7 Central Office Noise</b>					
331-700-100	1	Cross-Office Noise Testing Methods — General Description	331-850-508	4	Noise Measurements on 2-Wire Subscriber Loops — Methods and Requirements — At Panel Central Offices
331-700-110	1	Cross-Office Noise — Testing Methods — Selecting a Sample			

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
331-850-509	3	Noise Measurements on 2-Wire Subscriber Loops — Methods and Requirements — At No. 1 Electronic Switching System Central Offices

**Division 332****Voice-Frequency Telephone Repeaters, Pilot Wire Regulators, Echo Cancellers/Suppressors, Composite Sets, and Associated Equipment**

332-0 Index, Equipment Test List, and General Information

332-1 Amplifier Type Telephone Repeaters

332-2 Negative Impedance Repeaters and Impedance Compensators

332-3 Customer Loops — Long Route Design

332-4 Pilot Wire Regulators, Echo Cancellers/Suppressors, Toll Conference Grouping Circuits, and Auxiliary Equipment

332-6 Voice-Frequency Consolidated Equipment Arrangements

332-7 4-Wire Extension

332-8 4-Wire Terminating Sets and Precision Balancing Networks

332-9 Combined Transmission and Signaling Repeaters

Number	Issue	Subject
332-0		Index, Equipment Test List, and General Information

**332-000 Index**

332-000-000	90	Numerical Index — Division 332 — Voice-Frequency Telephone Repeaters, Pilot Wire Regulators, Echo Cancellers/Suppressors, Composite Sets, and Associated Equipment (2-95)
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**332-001 Equipment Test List/Compandor**

332-001-011	4	Equipment Test List
332-001-012	2	Compandor

Number	Issue	Subject
<b>332-005 Metallic Facility Terminal Data Sheets</b>		
332-005-107	1	J99343AJ LSR MTSRD37B
332-005-108	1	J99343AK LSR (LSO) MTSRL37B
332-005-112	1	J99343BC-1,L1 2-Wire Transmission Unit
332-005-113	1	J99343BD-1,L1 4-4 Wire Transmission Unit
332-005-114	1	J99343BE-1,L1 2-4 Wire Transmission Unit (900 Ohm)
332-005-115	1	J99343BF-1,L1 2-4 Wire Transmission Unit (600-Ohm)
332-005-116	1	J99343BG-1,L1 4-4 Wire Passive Transmission Unit With Sealing Current
332-005-117	1	J99343BL Dual 2-Wire Impedance Compensation Network MTZN100A
332-005-118	1	J99343BM Dual 2-Wire Impedance Compensation Network MTZN200A
332-005-124	1	J99343CE Loop Signaling Extender Unit MTSX412
332-005-126	1	J99343DB-1,L2 Duplex Signaling Unit (DX1/DX2)
332-005-127	1	J99343EA-1,L1 Code Select Ringdown Signaling Unit
332-005-128	1	J99343EB-1,L1 Ringdown Converter Signaling Unit
332-005-129	1	J99343EC-1,L2 Private Line Automatic Ringdown Signaling Unit
332-005-131	1	J99343FA-1,L2 Loop Start to DX or E&M Signaling Converter
332-005-132	1	J99343FB-1,L1 DX or E&M to Loop Start Signaling Converter
332-005-133	1	J99343FC-1,L1 GRD ST to DX or E&M Signaling Converter
332-005-134	1	J99343FD-1,L1 DX or E&M to GRD Start Signaling Converter
332-005-137	1	J99343GA-1,L1 Loop Start Only/2 Wire (LSO/2W) Transmission Unit
332-005-138	1	J99343GB,L2 2-2 Wire Term (L)/LSE CFU MTC2210A
332-005-139	1	J99343GC LSR (LSO)/2-2 I (L-L)
332-005-140	1	J99343GD LSR (LSO)/2-2 I (L-NL) Combined Function Unit MTC2130A

Number	Issue	Subject	Number	Issue	Subject
332-005-141	1	J99343GE 2-2 Wire Term RPTR (NL)/LSE CFU MTC2241A	332-005-210	1	J99343GF L2, 2-2 Wire (L-L) Repeater/LSR (LSO) CFU MTC2122A — Data Sheet
332-005-150	1	J99343HA-1,L1 DX1-DX2/4-4 Wire Terminal Repeater	332-005-211	1	J99343GH 2-2 Wire Intermediate Repeater (NL-NL)/LSO CFU—MTC2160
332-005-151	1	J99343HB DX1/4-4 Wire Term RPTR CFU MTC4320A	332-005-212	2	J99343GK 2-2 Wire Intermediate Repeater (L/NL)/LSR (LS/GS) CFU MTC2332 — Data Sheet
332-005-153	1	J99343SF-1,L1 Single Frequency Signaling Unit — 4-Wire Intermediate Repeater	332-005-213	1	J99343GG,L2 2-2 Wire T(L)—I(L-NL)/LSO CFU MTC2131A
332-005-154	1	J99343SG SF SIG/4-4 Wire RPTR CFU MTC4210A	332-005-214	2	J99343GJ 2-2 Wire (L-L) Repeater/LSR (LS/GS) CFU MTC2122A — Data Sheet
332-005-155	1	J99343JB PLAR 2-Wire Combined Function Unit — MTT5100	332-005-215	1	J99343GL 2-2 Wire Intermediate Repeater (NL/NL)/(LS/GS) CFU MTC2360
332-005-158	1	J99343PB-1,L3 2-2 Wire Terminal (NL) Repeater	332-005-251	1	J99343SG, L2 Single Frequency Signaling/4-4 Wire Repeater — Combined Function Unit — Data Sheet — MTC4212AAB
332-005-161	1	J99343PD-1,L3 2-2 Wire Intermediate (NL-NL) Repeater	332-005-263	1	J99343PR Universal Adaptive Repeater MT22F33BAA
332-005-165	1	J99343PG-1,L2 2-2 Wire Terminal (Loaded) Repeater	332-005-264	1	J99343GR 2-2 Wire Universal Adaptive Repeater/Loop Signaling — Extender Combined Function Unit MTC2280BAA
332-005-167	1	J99343PH-1,L2 2-2 Wire Intermediate Repeater (L-L)	332-005-265	1	J99343GS 2-2 Wire Universal Adaptive Repeater/Loop Signaling — Repeater Combined Function Unit MTC2180BAA
332-005-169	1	J99343PJ-1,L2 2-2 Wire Intermediate (L- NL) Repeater	<b>OMNIPORT Network Channel Terminating Equipment</b>		
332-005-172	1	J99343PL,L1 Dual Terminal (L) Repeater MT22A10A	332-005-410	1	BPT1 20-Hz Ringing Generator (NCRG000AXX) — Data Sheet
332-005-173	1	J99343PL,L2 Dual Terminal (L) Repeater MT22A10A	332-005-411	1	BPT10 Dual 2-Wire Maintenance Termination Unit (NCTM100AXX) — Data Sheet
332-005-177	1	J99343RA-1,L4, 2-4 Wire Terminal Repeater	332-005-412	1	BPT20 2-Wire Loop-Start Only Signaling Repeater (NC22100AXX) — Data Sheet
332-005-183	1	J99343RF-1,L2, 2-4 Wire Terminal Repeater	332-005-413	2	BPT21 2-Wire Loop Signaling Repeater — Plus Maintenance (NC22101AXX) — Data Sheet
332-005-186	1	J99343RJ 4-2 Wire Inter/Term (L-NL) RPTR MT42410A	332-005-414	1	BPT22 2-2 Wire Automatic Terminal Repeater (NC22200AXX) — Data Sheet
332-005-187	1	J99343RK 2-4 Wire Inter (L-NL) RPTR MT24610A	332-005-420	1	BPT24 2/4-4 Wire Terminal Repeater DX1/DX2 (NC24110AXX) — Data Sheet
332-005-193	1	J99343SC 4-4 Transmission/Intermediate Repeater MT44311			
332-005-195	1	J99343SN-1,L1 Voice Frequency Amplitude and Delay Equalizer			
332-005-196	1	J99343SD 4-4 Wire T/1 Repeater Plus Sealing Current MT44321			
332-005-200	1	ATP-3 Program Amplifier			
332-005-201	1	ATP-4 600/900 Ohm DC Bypass Unit MTPM1B0A			
332-005-202	1	ATP-5 Bypass Test Unit MTPM1C0A			
332-005-203	1	ATP 11 Dual 2-Wire Maintenance Terminal Unit MTTMD00A			



Number	Issue	Subject	Number	Issue	Subject
332-005-421	1	BPT25 2/4-4 Wire Terminal Repeater DX1/DX2 — Plus Maintenance (NC24111AXX) — Data Sheet	Addendum	1	
332-005-422	1	BPT40 4-4 Wire Terminal Repeater DX1/DX2 (NC44110AXX) — Data Sheet	332-010-100	2	Voice Frequency Telephone Repeaters — General Instructions
332-005-423	1	BPT41 4-4 Wire Term Repeater DX1/DX2 With Maintenance (NC44111AXX) — Data Sheet	332-010-101	2	Procedure for Investigating Gains of Telephone Repeaters
332-005-424	1	BPT42 4-4 Wire Terminal Repeater SF Signaling (NC44120AXX) — Data Sheet	Addendum	1	
332-005-425	1	BPT43 4-4 Wire Terminal Repeater SF Signaling — Plus Maintenance (NC44121AXX) — Data Sheet	332-011-100	1	Repeater Attendant's Telephone Set
332-005-430	1	BPT60 4-4 Wire Data Interface Unit (NCD1000AXX) — Data Sheet	332-011-101	1	4-Wire Telephone Order Wire — Hybrid Coil Bridging
332-005-431	2	BPT62 2/4-4 Wire Data Interface Unit (NCDI010AXX) — BPT62B Wire Data Interface Unit (NCDI050AXX) — Data Sheet	332-011-102	1	4-Wire Telephone Order Wire — Hybrid Coil Bridging — Equipment Arrangements
332-005-432	1	BPT63 4-4 Wire Passive Data Interface Unit (NCDI040AXX) — Data Sheet	332-015-100	2	Simplified Theory of Singing Point Tests
332-005-433	1	BPT61 4-4 Wire Data Interface Unit (NCDI020AXX) — Data Sheet	332-015-300	3	Singing Point Tests
332-005-435	1	BPT71 4-4 Wire Data Interface Unit (NCDI070AXX) — Data Sheet	332-015-500	3	Singing Point Tests for Voice Frequency Trunks
332-005-436	1	BPT72 2/4-4 Wire Data Interface Unit (NCDI060AXX) — Data Sheet	332-016-010	3	Location of Irregularities on Loaded Cable Pairs Through Analysis of Impedance and Impedance Unbalance Curves
332-005-437	1	BPT73 4-4 Wire Passive Data Interface Unit (NCDI080AXX) — Data Sheet	332-017-100	1	Voiceband Multipoint Split Bridge With Gain, Equalization and Test Access — Identification
<b>332-010/017 General Information</b>			<b>332-099 Customer Information Releases (CIRs)</b>		
332-010-010	3	Test Results on Voice Repeaters	332-099-016NP	3	Universal Services Echo Canceler, Transmission Systems
332-010-011	4	Forms for Recording Results of Singing Point and Office Cabling Balance Tests	<b>332-1 Amplifier Type Telephone Repeaters</b>		
332-010-012	4	Circuit Order Tests Circuit Units	<b>22 Type Repeaters</b>		
332-010-015	2	Telephone Repeaters — Jack Field Designations and Assignment Directory	Addendum	3	
			332-100-100	1	22A1
			332-100-101	1	22A2 and D-87797
			Addendum	2	
			332-100-102	1	Circuits and Apparatus Associated With 22A1, 22A2 and D-87797
			332-100-103	2	Modified for 4-Wire Operation
			332-100-104	1	Arranged for AC Operation
			Addendum	2	
			332-100-300	3	22A1, 22A1 (HE), D-87797 and 22A2 — Operating Requirements and Limits

Number	Issue	Subject	Number	Issue	Subject
Addendum	3		332-104-103	1	F58122 Amplifier
332-100-500	2	22A1, D-87797 and 22A2 — Tests and Adjustments	332-104-104	1	F-60966 Amplifier, Energy Gated — Description
Addendum	1		332-104-500	1	Initial Line-Up
332-100-501	2	Arranged for AC Operation — Tests and Adjustments	332-104-501	2	227 Type Amplifiers — Tests and Adjustments
			332-104-503	1	F58122 Amplifier — Tests and Adjustments
<b>44 Type Repeaters</b>			332-104-504	1	F-60966 Amplifier, Energy Gated — Installation and Test
Addendum	3		332-105-101	2	24V4A Repeater Mounting Shelf — Description
332-101-100	1	44A1	332-105-102	1	24V4B Repeater Mounting Unit — Description
Addendum	1		Addendum	1	
332-101-101	1	Circuits and Apparatus Associated With the 44A1	332-105-103	2	24V4C Repeater Mounting Shelf — Description
332-101-102	2	Regulating Network Lockup Circuit for Telephoto Services	Addendum	1	
Addendum	1		332-105-104	1	24V4D Repeater Mounting Shelf — Description
332-101-300	5	Operating Requirements and Limits	332-106-101	1	44V4A Repeater Mounting Shelf — Description
Addendum	1		332-106-102	1	44V4B Repeater Mounting Shelf — Description
332-101-500	2	Tests and Adjustments	332-115-101	1	849A Network — Description
			332-115-102	1	849B Network — Description
<b>V1 Type Repeaters</b>			332-115-103	1	849C Network — Description
Addendum	1		332-115-104	1	849D Network — Description
332-102-100	2	V1 Telephone Repeater and Associated Equipment	332-115-105	1	849E Network — Description
332-102-101	1	Repeater Switching Circuit	332-115-106	1	849F Network — Description
332-102-300	6	Circuit Order and Periodic Tests	332-115-107	1	849G Network — Description
Addendum	2		332-115-108	1	849H Network — Description
332-102-500	4	Tests and Adjustments	332-115-109	1	849J Network — Description
			332-116-101	2	359A Equalizer — Description
<b>V3 Type Repeaters</b>			332-116-102	2	359B Equalizer — Description
332-103-100	2	Description	332-116-103	1	359C Equalizer — Description
332-103-101	1	Bay Arrangements	332-116-104	2	359D Equalizer — Description
332-103-300	3	Circuit Order and Periodic Tests	332-116-105	1	359E Equalizer — Description
332-103-500	4	Tests and Adjustments on V3 Amplifier	332-116-106	2	359F Equalizer — Description
332-103-501	2	V1 and V3 Telephone Repeaters — Associated Equipment Tests and Adjustments	332-116-107	1	359G Equalizer — Description
332-103-502	2	Adjustment of Battery Supply Circuits	332-116-108	1	359H Equalizer — Description
			332-116-109	1	359J Equalizer — Description
<b>V4 Type Repeaters</b>			332-116-110	1	359K Equalizer — Description
Addendum	1		332-116-111	1	359L Equalizer — Description
332-104-100	1	V4 Telephone Repeater	332-116-112	3	359M Equalizer — Description
332-104-102	2	24V4B Telephone Repeater	332-116-113	1	359N Equalizer — Description

Number	Issue	Subject	Number	Issue	Subject
332-116-114	1	359P Equalizer — Description	332-200-101	1	Taking Repeater Out of Service and Analyzing Trouble
332-116-115	1	359R Equalizer — Description	332-200-102	1	Taking an E1 or E3 Repeater Out of Service and Preparing for Trouble Analysis
332-116-201	3	Strapping Charts for 359A and 359D Equalizers or 4182C Networks	332-200-103	1	Taking E2 or E23 Repeater Out of Service and Preparing for Trouble Analysis
332-116-214	1	Strapping Charts for 359P Equalizer When Using 227A, B, C, D, E or F Amplifiers	332-200-104	1	General Procedures for Trouble Analysis for a Line Equipped With an E1, E2, E13, or E23 Repeater When Little Gain, No Gain or Poor Transmission is Indicated
332-117-101	2	648A Filter — Description	332-200-105	1	General Procedures for Trouble Analysis for a Line Equipped With an E1, E2, E13 or E23 Repeater When Instability or Excessive Gain is Indicated
332-119-101	1	332A Relay — Description	Addendum	1	
332-119-102	1	333A Relay — Description	332-200-106	1	Network Strapping by Use of Charts — E13 or E23 Bridged Repeaters
332-119-103	1	333A Relay — Description	332-200-108	1	Application of Test Terminations Using Test Termination Circuit SD-96476-01 or Trunk Terminating and Patching Jacks at Master Test Frame
332-120-100	1	424V4B Repeater Mounting Shelf — Description	332-200-300	1	Placing E1 or E13 Repeaters In Service Using E-Repeater Test Set
332-121-100	1	3-Way 4-Wire Bridging Repeater — Description	332-200-301	1	Placing E2 or E23 Repeaters In Service Using E-Repeater Test Set
332-121-101	1	3-Way 4-Wire Bridging Repeater — Test Extender — Description	332-200-302	1	Placing E1 or E13 Repeaters In Service Using 2G Repeater Test Set
332-121-110	1	4251(-) Type Networks — Description	332-200-303	1	Placing Repeaters In Service Without the Use of a Repeater Test Set
332-121-500	2	J99338CA 3-Way 4-Wire Bridging Repeaters — J99338F and M Bridging Repeaters — Tests and Adjustments	332-200-500	3	General Information on Tests and Inspections
332-122-100	1	4-Wire Bridging Repeaters (J99338F and M) for Traffic Service Position System SD-7C022-01 — Description	332-200-501	3	Electron Tubes — Visual Checks, Measurements and Adjustment of Applied Voltages
332-130-100	1	306A Repeater Unit — Description	332-200-502	2	Monitoring Tests
332-130-101	1	4229A Network — Description	332-200-503	2	Effective Gain Measurement — Method A — Using E Repeater Test and Test Oscillator
332-131-100	1	Voice Operated Switched Gain Repeater — Description	332-200-504	2	Effective Gain Measurement — Method B — Using E Repeater Test Set and Noise Generator
332-131-500	1	Voice Operated Switched Gain Repeater — Test and Adjustment			
332-140-100	1	215A Repeater — Description			
332-140-200	1	215A Repeater — Installation and Maintenance			
<b>332-2 Negative Impedance Repeaters and Impedance Compensators</b>					
<b>E Type Repeaters</b>					
332-200-000	3	E1 Telephone Repeater — General Information			
332-200-100	1	General Information on Placing Repeaters In Service			

Number	Issue	Subject	Number	Issue	Subject
332-200-505	2	Effective Gain Measurement — Method C — Using 2G Repeater Test Set and Test Oscillator	332-206-131	1	830J Network — Description
332-200-506	2	Effective Gain Measurement — Method D — Using 2G Repeater Test Set and Noise Generator	332-206-151	1	837A Network — Description
332-200-507	1	Effective Gain Measurement — Method E — Measurements of Gain Peaks and Valleys — Using E Repeater Test Set	332-206-152	1	837B Network — Description
332-200-508	1	Effective Gain Measurements — Method F — Measurements of Gain Peaks and Valleys — Using 2G Repeater Test Set	332-206-153	1	837C Network — Description
332-200-509	2	Circuit Net Loss Measurement — Method A — Using a Test Oscillator	332-206-154	2	837D and J99380AA — Description
332-200-511	3	Gain Tests for Repeater in a Standard 600 Ohm Circuit — Method A — Using the E Repeater Test Set	332-206-155	2	837E and J99380AB — Description
332-200-512	2	Gain Tests for Repeater in a Standard 600 Ohm Circuit — Method B — Using the 2G Repeater Test Set	332-206-156	1	837F Network — Description
332-205-100	2	Impedance Compensators — Description	332-206-157	4	837G and J99380AC — Description
332-205-500	2	Impedance Compensators — Tests and Adjustments	332-206-158	1	837J Network — Description
Addendum	1		Addendum	1	
332-206-100	1	E6 Repeater	332-206-200	2	E6 Repeater — Alignment Procedure
332-206-101	1	E6 Repeater Disabler (J99253L) — Description	332-206-221	1	830A Network — Installation and Prescription Settings
332-206-102	1	E6 Repeater Solid-State Disabler SD-97023- 01 — Description	332-206-222	1	830B Network — Installation and Prescription Settings
332-206-120	1	Subscriber Loop — Remote Message Repeater — Description	Addendum	1	
332-206-121	1	830A Network — Description	332-206-223	1	830C Network — Installation and Initial Settings
332-206-122	1	830B Network — Description	332-206-225	1	830E Network — Installation and Prescription Settings
332-206-123	1	830C Network — Description	332-206-227	2	830G Network — Installation and Prescription Settings
332-206-124	2	830D Network — Description	332-206-228	1	830H Network — Installation and Prescription Settings
332-206-125	1	830E Network — Description	332-206-229	1	E6 Range Extender — Installation
332-206-126	1	830F Network — Description	332-206-231	1	830J Network — Installation and Prescription Settings
332-206-127	4	830G Network — Description	332-206-251	1	837A Network — Installation and Prescription Settings
332-206-128	1	830H Network — Description	332-206-252	1	837B Network — Installation and Prescription Settings
332-206-129	1	E6 Range Extender — Description	332-206-253	1	837C Network — Installation and Prescription Settings
332-206-130	1	E6B Range Extender — Description and Installation	Addendum	1	
			332-206-254	2	837D and J99380AA — Installation and Initial Settings
			332-206-255	2	837E and J99380AB — Installation and Prescription Settings
			332-206-256	1	837F Network — Installation and Prescription Settings
			332-206-257	3	837G and J99380AC — Installation and Prescription Settings
			332-206-258	1	837J Network — Installation and Prescription Settings

Number	Issue	Subject	Number	Issue	Subject
332-206-500	2	E6 Repeater — Routine Tests and Adjustments	332-400-500	3	4A System — Tests and Adjustments
332-206-520	1	Subscriber Loop — Remote Message Repeater — Maintenance Tests	Addendum	1	
332-207-100	1	E7 Repeaters — Introduction	332-401-100	1	5A System — Description
332-207-101	1	E7 Repeater — Theory	332-401-500	3	5A System — Tests and Adjustments
332-207-121	1	E7 Repeater — Application to MTWX Circuits	332-402-100	1	Regulated Circuit Units — Gain Corrections
332-207-301	1	E7 Repeaters — Line-Up	<b>Echo Suppressors</b>		
332-207-311	1	E7 Repeaters — Maintenance	332-410-101	1	1A Suppressor — With Enabler and Disabler
332-208-100	1	Negative Impedance Converter — Description	332-410-102	3	1A Suppressor — Modification for Use on Telephotograph Circuits
332-210-100	5	Range Extender With Gain — REG, Lists 1, 2, 3 and 5A REG, 5B REG — Description and Operation	332-410-103	1	1A Suppressor — With Enabler and Disabler — Equipped With 326-Type Mercury Relays — Description
332-210-101	2	Mini-Reg System and 7A Range Extender With Gain — Description and Operation	332-410-301	2	1A Suppressor — Test From Trunk Terminals
Addendum	1		Addendum	1	
332-210-102	1	8A Range Extender — Coin Reg — Description, Operation, and Installation — (DLXR810MAA)	332-410-500	5	1A Suppressor and Disabler — Tests and Adjustments
332-210-500	5	Range Extender With Gain — REG, Lists 1, 2, 3 and 5A REG, 5B REG — Initial Alignment and Tests	Addendum	1	
332-211-100	1	Signaling Range Extender (SRE) — Description and Operation	332-410-501	1	1A Echo Suppressor and Disabler Equipped With 326-Type Mercury Relays — Tests and Adjustments
332-211-500	1	Signaling Range Extender (SRE) — Operational Tests	332-412-101	2	3A Echo Suppressor — Description
			332-412-102	2	3B Echo Suppressor — Description
			Addendum	1	
			332-412-500	2	3A Echo Suppressor — Lineup
			Addendum	1	
			332-412-502	2	3B Echo Suppressor — Lineup
			❶ 332-413-100	1	2A Echo Suppressor — Description
			❶ 332-413-300	1	2A Echo Suppressor — Circuit Order and Maintenance Test Intervals
			332-414-100	2	4A Echo Suppressor — Description
			332-414-101	1	4A Echo Canceler Logic Unit (J68914AE-1)
			332-414-105	1	4A Echo Suppressor — J68914TA Test Extender — Description
<b>332-3 Customer Loops — Long Route Design</b>					
332-310-510	1	E6 Repeater Lineup — Subscriber Loops			
<b>332-4 Pilot Wire Regulators, Echo Cancellers/Suppressors, Toll Conference Grouping Circuits, and Auxiliary Equipment</b>					
<b>Pilot Wire Regulators</b>					
Addendum	1				
332-400-100	2	4A Pilot Wire Transmission Regulating System			
332-400-300	2	4A and 5A System — Initial Line-Up and Maintenance Procedures			

Number	Issue	Subject
332-414-200	1	4A Echo Suppressor — Installation Tests
332-414-500	1	4A Echo Suppressor — Trouble Location
332-414-501	1	4A Echo Canceler Logic Unit (J68914AE-1) — Tests

### Signal Processing Systems (SPS)/Echo Cancelers

332-415-100	1	4B International Echo Canceler — Description, Operation, Installation, and Maintenance
332-415-110	2	Digital Echo Canceler Model EC32000 — Description and Operation
■ 332-415-120AC	3	Asset III (Advanced Switchable Signaling and Echo Canceling Terminal III) — Description, Operation, and Maintenance (9-93)
Addendum	1	
332-415-130	3	USEC (Universal Services Echo Canceler) Description, Operation, and Maintenance
■ 332-415-135	2	Enhanced USEC (Universal Services Echo Canceler) Description, Operation, and Maintenance (9-93)
■ 332-415-136	2	Echo Canceler Universal Users Guide Model 360J Rel 1.1
■ 332-415-136JA	2	Echo Canceler Universal Users Guide Model 360J Rel 1.1 Japanese Language Version
332-415-137	2	Echo Canceler Universal Users Guide European Version Rel 1.1
■ 332-415-138	1	Enhanced Universal Service Echo Canceler (USEC) iPCC (individual Per Call Control) Release — Description, Operation, and Maintenance (1-95)

### 1A Compandor

Addendum	1	
332-420-100	1	Description
332-420-300	1	Circuit Order and Periodic Tests
332-420-500	2	Testing Methods
332-421-100	3	N3 Compandor Applique Circuit — General Description
332-421-500	2	N3 Compandor Applique Circuit — Tests and Adjustments

Number	Issue	Subject
<b>Toll Conference Grouping Circuits — 6 Outlet Arrangement</b>		
332-430-100	3	Switching Pad Non-Gain and Cord Circuit Repeater Offices
332-430-300	3	Periodic Tests and Trouble Investigations — Switching Pad Non-Gain and Cord Circuit Repeater Offices

### Toll Conference Grouping Circuits — 6 Outlet Arrangement With Repeaters

332-430-500	3	Tests and Adjustments — Switching Pad Non-Gain and Cord Circuit Repeater Offices
332-431-100	2	Six Outlet V Repeatered Volcas Arrangement
332-431-300	2	Periodic Tests and Adjustments — Six Outlet V Repeatered Volcas Arrangement
332-431-500	3	Six Outlet V Repeatered Arrangement — Tests and Adjustments — Volcas for 22 Type Repeaters Used With Toll Conference Grouping Circuits
332-432-100	2	Volcas for 22 Type Repeaters Used With Toll Conference Grouping Circuits
332-432-300	2	Periodic Tests and Trouble Investigation

### Toll Conference Grouping Circuits — 6 Outlet Arrangement Without Repeaters

332-432-500	2	Tests and Adjustments — Non-Repeatered Toll Conference Grouping Circuit
332-433-100	1	Three Outlet Arrangement — Non-Repeatered
332-434-100	1	4233A Network — 4-Way, 4-Wire Bridge — Description
Addendum	1	
332-435-100	1	Multipoint Conference Bridge — Description
Addendum	1	
332-435-500	2	Multipoint Conference Bridge — Tests and Adjustments — Toll Conference Service
● 332-436-100	1	Specialized Network Conferencing Systems (SNCS) — Description, Methods of Operation, and Test Procedures

Number	Issue	Subject	Number	Issue	Subject
❶ 332-436-101	1	Specialized Network Conferencing Systems (SNCS) — Executive Intercompany Conferencing Arrangement (EICA) — Description, Method of Operation, and Test Procedures	332-610-102	1	J99400C, D, and E — Description
❶ 332-436-110	1	Specialized Network Conferencing Systems (SNCS) — Pulsecom* Model 1682-1 Time Division Conference Bridge — Description, Methods of Operation, and Test Procedures	332-610-103	1	J99400K (Lists 1 and 2) Housing Assembly — Description — Packaged Metallic Facility Terminal Assembly
❶ 332-436-120	1	Specialized Network Conferencing (SNCS) — Conference Control Switching Circuit (CCSC) — Description, Method of Operation, and Test Procedures	332-610-104	2	J99400R and J99400S Housing Assemblies — Description — Packaged Metallic Facility Terminal Assemblies
<b>Auxiliary Equipment</b>			332-610-105	1	J99400F Housing Assembly — Description — Packaged Metallic Facility Terminal Assemblies
332-450-100	3	Composite Sets and Associated Hybrid Transformers	332-610-200	3	Installation
332-450-500	1	Testing and Balancing Composite Sets and Associated Line or Hybrid Transformers	332-610-201	1	J99400A Housing Assembly — Installation and Maintenance — Packaged Metallic Facility Terminal Assemblies
<b>332-6 Voice-Frequency Consolidated Equipment Arrangements</b>			332-610-202	1	J99400C, D, and E Housing Assemblies — Installation and Maintenance — Packaged Metallic Facility Terminal Assemblies
<b>Using E-Type SF Signaling Units</b>			332-610-203	1	J99400K Housing Assembly — Installation and Maintenance — Packaged Metallic Facility Terminal Assemblies
332-600-101	1	Description and Application of J98617J-2 Bay	332-610-204	1	J99400R and J99400S Housing Assemblies — Installation and Maintenance — Packaged Metallic Facility Terminal Assemblies
332-600-102	1	Maintenance Provisions	332-610-205	1	J99400F Housing Assembly — Installation and Maintenance — Packaged Metallic Facility Terminal Assemblies
<b>Customer's Premises Facility Terminal for Type F Signaling System</b>			332-610-500	3	Maintenance and Testing Information
332-601-100	1	Description	<b>OMNIPOINT Network Channel Terminating Equipment</b>		
332-601-200	1	Identification, Connections, and Installation	332-620-001	2	Product Ordering Guide
332-601-500	1	Maintenance and Lineup	332-620-100	2	General Description
<b>Customer Premises Facility Terminal for Metallic Facility Terminal Plug-In Equipment</b>			332-620-101	1	146A (1-Circuit) Mounting — Description and Installation
Addendum	1		332-620-102	1	146C (3-Circuit) Mounting — Description and Installation
332-610-100	3	General Description	332-620-103	1	146F (6-Circuit) Mounting — Description and Installation
332-610-101	1	J99400A Housing Assembly — Description — Package Metallic Facility Terminal Assemblies	332-620-104	1	146L (12-Circuit) Mounting — Description and Installation
			332-620-105	1	146S (72-Circuit) Mounting Cabinet — Description and Installation

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Number	Issue	Subject	Number	Issue	Subject
332-620-106	1	146B Single-Circuit Mounting — Description and Installation	332-620-131	2	BPT62 2/4-4 Wire Data Interface Unit — BPT62B 2/4-4 Wire Data Interface Unit — Description and Installation
332-620-107	1	146R (48-Circuit) Mounting Cabinet — Description and Installation	332-620-132	1	BPT63 4-4 Wire Passive Data Interface Unit — Description and Installation
332-620-108	1	146T (48-Circuit) Mounting Cabinet — Description and Installation	332-620-133	1	BPT61 4-4 Wire Data Interface Unit — Description and Installation
332-620-109	1	146H 8-Circuit Data Unit Mounting — Description and Installation	Addendum	1	
Addendum	1		332-620-134	1	10A Unit, Data Interface — Description and Installation
332-620-110	1	BPT40 4-4 Wire Terminal Repeater DX1/DX2 and BPT41 4-4 Wire Terminal Repeater DX1/DX2 Plus Maintenance — Description and Installation	332-620-135	1	BPT71 4-4 Wire Data Interface Unit — Description and Installation
332-620-111	1	BPT10 Dual 2-Wire Maintenance Termination Unit — Description and Installation	332-620-136	1	BPT72 2/4-4 Wire Data Interface Unit — Description and Installation
Addendum	1		332-620-137	1	BPT73 4-4 Wire Passive Data Interface Unit — Description and Installation
332-620-112	1	BPT20 2-Wire Loop-Start Only Signaling Repeater and BPT21 2-Wire Loop-Start Only Signaling Repeater Plus Maintenance — Description and Installation	<b>332-7 4-Wire Extension</b>		
332-620-113	1	BPT1 20-Hz Ringing Generator — Description and Installation	332-700-101	1	4182A Network — Description
332-620-114	1	BPT22 2-2 Wire Automatic Terminal Repeater — Description and Installation	332-700-102	1	4182B Network — Description
332-620-115	1	BPT24 2/4-4 Wire Terminal Repeater DX1/DX2 and BPT25 2/4-4 Wire Terminal Repeater DX1/DX2 Plus Maintenance — Description and Installation	332-700-103	2	4182C Network — Description
332-620-116	1	BPT42 4-4 Wire Terminal Repeater SF Signaling and BPT43 4-4 Wire Terminal Repeater SF Signaling Plus Maintenance — Description and Installation	<b>332-8 4-Wire Terminating Sets and Precision Balancing Networks</b>		
332-620-120	1	43A Test Extender — Description	<b>Terminating Sets</b>		
332-620-121	1	146W Single-Circuit Data Interface Mounting — Description and Installation	332-800-101	2	1A and 1K — Description
332-620-130	1	BPT60 4-4 Wire Data Interface Unit — Description and Installation	332-800-102	2	1B and 1L — Description
			332-800-103	3	1C, 1F, and 1M — Description
			332-800-104	2	1D and 1N — Description
			332-800-105	1	1G — Description
			332-800-106	1	1H — Description
			332-800-107	1	1J — Description
			332-800-108	2	1P and 1R Terminating Sets — Description
			<b>Data on Balancing Equipment</b>		
			332-851-101	2	115-Type Networks for Toll Message and Program Circuits
			Addendum	3	
			332-851-102	1	Line Balance Network Data



Number	Issue	Subject	Number	Issue	Subject
Addendum	3		332-911-102	5	Loop Signaling Extender (J99343CA, CB, CC, CD, CE) — SD-1C359-01 and SD- 7C050-01 — Description
332-851-103	1	Exchange Line Balancing Network Data	332-911-103	1	DX1 and DX1/DX2 Signaling Units (J99343DA, DB) — SD-1C359-01 — Description
<b>Networks</b>			332-911-104	2	Ringdown Signaling Units (J99343EA, EB, EC) — SD-1C359-01 — Description
332-852-100	1	4066 — Description	Addendum	1	
332-852-101	3	4066A — Description	332-911-105	1	Loop-Start and Ground-Start to DX or E&M — Signaling Converters (J99343FA, FB, FC, FD) — SD-1C359-01 — Description
332-852-102	1	4066B — Description	332-911-106	1	Signaling Lead Access Unit (J99343MA) — SD-1C359-01 — Description
332-852-103	1	4066C — Description	332-911-107	1	J99343AJ and J99343AK Loop Signaling Repeaters — Description
332-852-104	1	4066D — Description	332-911-201	3	Metallic Facility Terminal — Loop Signaling Repeater (J99343AA, AB, AD, AE, AF, AH) — Installation and Testing — SD-1C359-01
332-852-105	1	4066E — Description	332-911-202	2	Loop Signaling Extender (J99343CA, CB, CC, and CD) — Installation and Testing
332-852-106	1	4066F — Description	332-911-203	1	Metallic Facility Terminal — DX1 and DX1/DX2 Signaling Units — J99343DA, DB — Installation and Testing — (SD- 1C359-01)
332-852-107	2	4066G — Description	332-911-204	1	Metallic Facility Terminal — Ringdown Signaling Units (J99343EA, EB, EC) — SD-1C359-( ) — Installation and Testing
332-852-108	1	4066H — Description	332-911-205	1	Metallic Facility Terminal — Loop-Start and Ground-Start to DX or E&M — Signaling Converters (J99343FA, FB, FC, and FD) — Installation and Testing
332-852-109	1	4066K — Description and Settings	332-911-207	1	J99343AJ and J99343AK Loop Signaling Repeaters — Installation and Testing
<b>332-9 Combined Transmission and Signaling Repeaters</b>			332-912-101	2	J99343BA, BB, and BC-2 Wire Transmission Units, ATP-4 600/900 Ohm DC Bypass Units, and ATP-5 Bypass Test Unit — Description
<b>J98619A Subscriber Loop</b>					
332-906-110	2	Message and Signal Repeater			
332-906-510	2	Tests and Adjustments			
<b>Metallic Facility Terminal</b>					
332-910-100	4	Description			
Addendum	2				
332-910-101	5	Shelf, Frame, Power Panel, and Distributing Frame Arrangements — Description			
332-910-102	2	Test Extender (J99343TB) — SD-1C485-02 — Description and Operation			
332-910-103	2	J99343TN Facility Matching Test Set — Description and Operation			
332-910-110	1	ATP11 — Dual 2-Wire Maintenance Termination Unit — Description — Voice- Frequency Special Services			
332-910-180	3	General Application			
332-910-210	1	ATP 11 — Dual Two-Wire Maintenance Termination Unit — Installation and Testing — Voice-Frequency Special Services			
332-911-101	3	Loop Signaling Repeaters (J99343AA, AB, AC, AD, AE, AF, AH) — Description			

Number	Issue	Subject	Number	Issue	Subject
332-912-102	1	2-4 Wire Transmission Units (J99343BE, BF) — SD-1C359-01 — Description	332-912-152	3	Loop-Start Only/2-Wire Transmission Unit (J99343GA Lists 1 and 2) SD-7C050-01 Description
332-912-104	2	4-4 Wire Transmission Unit (J99343BD) — SD-1C359-01 Description	332-912-153	2	J99343GB, L1 and L2, Loop Signaling Extender/2-2 Wire Terminal Repeater (L) Combined Function Unit — Description
332-912-105	2	J99343BG 4-4 Wire Passive Transmission Unit With Sealing Current — Description	332-912-154	2	J99343GC Loop Signaling Repeater — (Loop-Start Only)/2-2 Wire Intermediate Repeater (L-L) Combined Function Unit — Description
332-912-106	1	Dual 2-Wire Impedance Compensation Networks — J99343BL, BM, and BN — Description	332-912-155	2	J99343GD Loop Signaling Repeater(Loop- Start Only)/2-2 Wire Intermediate Repeater (L-NL) Combined Function Unit — Description
332-912-113	2	J99343PA, PG (Lists 1 and 2) 2-2 Wire Terminals (Loaded) Repeaters — Description	332-912-156	2	J99343GE Loop Signaling Extender/2-2 Wire Terminal Repeater (NL) Combined Function Unit — Description
332-912-114	2	J99343PB (Lists 1, 2, and 3) 2-2 Wire Terminal (Nonloaded) Repeaters — Description	Addendum	1	
332-912-115	2	J99343PD (Lists 1, 2, and 3) 2-2 Wire Intermediate (Nonloaded-Nonloaded) Repeaters — Description	332-912-157	2	J99343GF (L1 & L2) and GJ 2-2 Wire Intermediate Repeater (L-L)/Loop Signaling Repeaters Combined Function Units — Description
332-912-116	2	J99343PC, PH (Lists 1 and 2) 2-2-Wire Intermediate Repeaters (Loaded-Loaded) — Description	Addendum	1	
332-912-117	3	J99343PE, PF, PJ, and PK 2-2 Wire Intermediate — (Loaded-Nonloaded and Nonloaded-Loaded) Repeaters — Description	332-912-158	2	J99343GG-L1 and L2, and GK 2-2 Wire Intermediate Repeater (L-NL)/Loop Signaling Repeater Combined Function Units — Description
332-912-121	5	4-2 Wire Repeaters (J99343RB, RC, RG, RJ) — 2-4 Wire Intermediate Repeaters (J99343RD, RE, RH, RK) — Description	332-912-159	2	J99343JA and JB Private Line Automatic Ringdown/2-Wire Transmission Units — Description
332-912-134	2	J99343SA and SB — 4-4 Wire Terminal/Intermediate Repeaters — Description	Addendum	1	
332-912-135	2	J99343RA and RF 2-4 Wire Terminal Repeaters — Description	332-912-160	1	J99343GH and GL 2-2 Wire Intermediate Repeater (NL-NL)/Loop Signaling Repeaters Combined Function Units — Description
332-912-136	1	J99343SC and SD 4-4 Wire Intermediate/Terminal Repeaters — Description	332-912-161	2	J99343HA DX1-DX2/4-4 Wire Terminal Repeater and J99343HB DX1/4-4 Wire Terminal Repeater — Description
Addendum	1		332-912-163	1	J99343PR Universal Adaptive Repeater — Description
332-912-141	3	J99343PL (L1 and L2) 2-Wire Dual Terminal Loaded (L) Repeaters — Description			
Addendum	2				
332-912-151	2	J99343SF and SG Single Frequency/4-4 Wire Repeater Combined Function Units — Description			

Number	Issue	Subject	Number	Issue	Subject
332-912-164	1	J99343GR 2-2 Wire Universal Adaptive Repeater/Loop Signaling Extender — Combined Function Unit — Description	332-912-222	3	Prescription Setting Procedures for 4-2 Wire (J99343RB, RC, RG, and RJ) and 2-4 Wire Repeaters (J99343RD, RE, RH, and RK)
332-912-165	1	J99343GS 2-2 Wire Universal Adaptive Repeater/Loop Signaling Repeater — Combined Function Unit — Description	332-912-232	3	4-4 Repeaters (J99343SA, SB) 2-4 Terminal Repeaters (J99343RA, RF) — 4-Wire Combined Function Units (J99343HA, SF) Prescription Setting Procedures
332-912-201	1	2-Wire Transmission Units (J99343BA, BB, BC) SD-1C359-01 — Installation and Testing	332-912-234	1	4-4 Wire Repeaters — Installation and Testing
332-912-202	1	2-4 Wire Transmission Units (J99343BE, BF) SD-1C359-01 — Installation and Testing	332-912-235	1	2-4 Terminal Repeaters (J99343RA, RF) — (SD-1C359-01) — Installation and Testing
332-912-204	1	4-4 Wire Transmission Units (J99343BD) SD-1C359-01 — Installation and Testing	332-912-236	1	J99343SC and SD 4-4 Wire Terminal/Intermediate Repeaters — Installation and Test
332-912-205	1	J99343BG 4-4 Wire Passive Transmission Unit With Sealing Current — Installation and Testing	332-912-241	2	J99343PL (L1 and L2) 2-Wire Dual Terminal Loaded (L) Repeaters — Installation and Testing
332-912-206	1	Dual 2-Wire Impedance Compensation Networks — J99343BL, BM, and BN — Installation and Prescription Settings	332-912-250	2	Amplitude and Delay Equalizer (J99343SN) — Description and Installation
Addendum	2		Addendum	1	
332-912-212	4	2-2 Repeaters J99343PA, PB (L1, L2, & L3), PC, PD (L1, L2, & L3), PE, PF, PH, PG (L1 & L2), PK (L1 & L2), PR and 2-2 Combined Function Units J99343GD, GE, GR, and GS — Prescription Settings	332-912-251	2	J99343SF and J99343SG — Single Frequency Signaling/4-4-Wire Repeater — Installation and Testing
332-912-213	1	J99343PA and J99343PB (L1 and L2) 2-2 Wire Terminal Repeaters (L) — Installation and Testing	332-912-252	3	Loop-Start Only/2-Wire Transmission Unit (J99343GA, Lists 1, 2, and 3) — Installation and Test
332-912-214	2	J99343PA (L1, L2 and L3) 2-2 Terminal Repeater — Installation and Testing	Addendum	2	
332-912-215	1	Metallic Facility Terminal — 2-2 Intermediate Repeaters J99343PC, PH (L1 and L2), PD (L1, L2 and L3), PE, PJ (L1 and L2), PF, and PK (L1 and L2) — SD-1C359-01 — Installation and Testing	332-912-253	1	Loop Signaling Extender/2-2 Wire Terminal Loaded Repeater (J99343GB) — Combined Function Unit — SD-7C050-( ) — Installation and Test
Addendum	1		Addendum	2	
332-912-221	3	4-2 Wire Repeaters (J99343RB, RC, RG, RJ) — 2-4 Wire Intermediate Repeaters (J99343RD, RE, RH, RK) — Installation and Testing	332-912-254	1	Loop Signaling Repeater Loop-Start Only/2-2 Wire Intermediate Repeater (L-L), J99343GC — SD-7C050() — Installation and Testing

Number	Issue	Subject	Number	Issue	Subject
Addendum 332-912-255	2 1	Loop Signaling Repeater — Loop-Start Only/2-2 Intermediate (L-NL) Repeater (J99343GD) — Combined Function Unit SD- 7C050-( ) — Installation and Test- ing	332-912-260	1	J99343GH and GL Loop Signal- ing Repeater/2-2 Wire — Inter- mediate Repeater (NL-NL) Com- bined Function Unit — Installa- tion and Testing
Addendum 332-912-256	2 1	Loop Signaling Extender/2-2 Wire Terminal Repeater (J99343GE) — Combined Func- tion Unit (CFU) — SD-7C050-( ) — Installation and Test	332-912-261	2	J99343HA DX1-DX2/4-4 Wire Terminal (PRE- and POST-EQL) Repeater — Installation and Testing
332-912-257	2	J99343GF (L1&L2) and GJ 2-2 Wire (L-L) Intermediate/Loop Signaling Repeaters Combined Function Units — Installation and Testing	332-912-262	1	J99343KA Metallic Facility Ter- minal Unit- Circuit Switched Dig- ital Capability (MFT- CSDC) — Description, Installation, and Test Procedures
332-912-258	2	J99343GG, L1&L2 and GK Loop Signaling Repeater /2-2 Wire In- termediate Repeater (L-NL) Combined Function Unit — Ins- tallation and Testing	332-912-263	1	J99343PR 2-2 Wire Universal Adaptive Repeater — Installation and Testing
332-912-259	2	J99343JA and JB 2-Wire Private Line Automatic Ringdown — Combined Function Unit — Ins- tallation and Tests	332-912-264	1	J99343GR 2-2 Wire Universal Adaptive Repeater/Loop Signal- ing Extender— Combined Func- tion Unit — Installation and Test- ing
			332-912-265	1	J99343GS 2-2 Wire Universal Adaptive Repeater/Loop Signal- ing — Repeater Combined Func- tion Unit — Installation and Test- ing

**Division 333**

**Interoffice Signaling Systems and Testing**

**333-0 Indexes and Equipment List**

**333-1 Overall Testing of Signaling Layouts**

**333-2 CCIS (Common Channel Interoffice Signaling System)**

Number	Issue	Subject
<b>333-0 Index and Equipment Test List</b>		
<b>333-000 Index</b>		
333-000-000	25	Numerical Index — Division 333 — Interoffice Signaling Systems and Testing

**333-001 Equipment Test List**

333-001-011	1	ETL
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**333-1 Overall Testing of Signaling Layouts**

333-121-500	1	Overall Dial Pulsing Test — General
333-122-501	1	Applications of the 2B or 2B-1 Test Sets and Pulse Repeating Adapter
333-122-601	1	CX and SF Signaling Circuits — Tests Using 1A Signaling Test Set
333-122-603	4	Intertoll Dialing — Type B CX and SX Signaling Circuits — Overall Dialing Trunk Pulsing Test from Toll Testboards

Number	Issue	Subject
333-122-605	4	Intertoll Dialing — Type B CX and SX Signaling Circuits — Overall Dialing Trunk Pulsing Tests from 2-Way Trunk Test Jack
333-122-607	4	Intertoll Dialing — Type B CX, DX, and SX Signaling Circuits — Overall Pulsing Tests Using Pulse Repeating Test Set (SD-64540-01) on E and M Leads
Addendum	1	
333-123-500	2	Overall Signaling Arrangement and Testing — Dial Pulsing Tests on Intertoll Trunks
333-124-500	4	Pulsing Requirements — Local and Toll Connecting Trunks
333-125-500	1	Dial Pulsing Tests on FX and WATS Circuits
333-126-500	1	Pulsing Tests on Dial Tie Trunks
333-127-500	1	Pulsing Tests on Switched Services — Networks Access Lines

**333-2 CCIS (Common Channel Interoffice Signaling System)**

❶ 333-200-021	2	Duties and Responsibilities for Operation of a CCIS System
❶ 333-200-025	1	Network Administration Center (CNAC) — General
❶ 333-200-026	1	Network Administration Center (CNAC) — Network Planning
❶ 333-200-029	1	Network Administration Center (CNAC) Planning and Analysis System
❶ 333-200-060	2	Intertoll Signaling Links — Installation and Administration
❶ 333-200-100	2	General Description
❶ 333-200-101	1	Signaling Structure
❶ 333-200-105	1	System Description

**Division 340**

**Picturephone Services Baseband Video Transmission**

**340-0 Indexes and Equipment Test List**

**340-1 Order-Wire Facilities**

**340-2 Cable Equalizers**

**340-5 Video Distribution Amplifier**

Number	Issue	Subject
<b>340-0 Indexes and Equipment Test List</b>		
340-000-000	12	Numerical Index — Division 340 — Picturephone Services — Baseband Video Transmission
340-001-011	2	ETL
<b>340-1 Order-Wire Facilities</b>		
340-100-110	1	Description, Method of Operation, Maintenance

Number	Issue	Subject
<b>340-2 Cable Equalizers</b>		
340-200-100	1	General Description
340-200-500	2	Maintenance Considerations — Including Test Set Requirements
Addendum	2	
❶ 340-200-501	1	Video Loop Facility Alignment
Addendum	1	
340-200-502	1	Video Loop Facility Trouble Location
340-200-503	1	Video Test Trunk Alignment
340-200-504	1	Video Test Trunks — Trouble Location
340-200-505	1	Video Trunk Facility Alignment
340-200-506	1	Video Trunk Facility Trouble Location
340-200-507	1	For Tandem and Operator Trunks — Installation, Adjustment, and Trouble Location
<b>340-5 Video Distribution Amplifier</b>		
340-500-100	1	297A — Description, Installation, and Testing

**Division 341****Picturephone Transmission Performance Plan****341-0 Indexes****341-1 General and Network****341-2 Subscriber Lines****341-3 Interoffice Trunks****341-4 Picturephone Offices**

Number	Issue	Subject
<b>341-0 Indexes</b>		
341-000-000	8	Numerical Index — Division 341 — Picturephone Transmission Performance Plan

**341-1 General and Network**

Addendum	1	
341-100-100	1	General Description
341-100-120	1	Tests Lines, Trunks, and Terminations — General Description
341-100-150	1	Glossary of Terms and Definitions
341-100-500	1	Analysis Procedures
341-100-600	1	Waveform Testing

Number	Issue	Subject
<b>341-2 Subscriber Lines</b>		
341-200-100	1	Service Order and Periodic Tests
341-200-500	1	Trouble Isolation Procedures
<b>341-3 Interoffice Trunks</b>		
341-300-100	1	Circuit Order and Periodic Tests
341-300-500	1	Trunk Isolation Procedures
<b>341-4 Picturephone Offices</b>		
341-400-100	1	Periodic Tests
341-420-100	1	Audio Loss Measurements

**Division 354**

**Frequency Generating Systems**

**354-0 Index and Equipment Test Lists**

**354-1 Frequency Generating Systems**

Number	Issue	Subject
<b>354-0 Index and Equipment Test Lists</b>		
354-000-000	66	Numerical Index — Division 354 — Frequency Generating Systems

**354-001 Equipment Test Lists**

354-001-011	11	Frequency Generator Systems
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**354-1 Frequency Generating Systems**

**354-100 Reference Frequency Standard**

Description		
354-100-101	1	X-76015 Bell System Reference Frequency Standard
354-100-102	1	NY4 Sync Signal Selector
Tests		
354-100-501	1	Airmont Reference Frequency Standard
354-100-502	1	NY4 Sync Signal Selector

**354-101/109 Primary Frequency Supplies**

NOTE: For information on the equipment which has retroactively been designated PFS-1, see Division 356-150 layer.

**354-102 PFS-2A**

354-102-100	2	Description
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Tests		
354-102-500	4	Maintenance Considerations
354-102-501	2	239A and 239E Pilot Amplifiers
354-102-502	1	1A Counter
354-102-503	1	246A Pilot Shaper and Discriminator

Number	Issue	Subject
354-102-504	6	Primary Frequency Supply (PFS-2A) — Tests — Phase-Lock Loops and 1024-kHz Frequency
354-102-505	1	246C Switch
354-102-506	3	4-, 64-, and 128-kHz Outputs
354-102-509	1	64-kHz Preamp and Distribution Circuit
354-102-510	2	Major Alarms and Major Service Reactions
354-102-511	2	Regular Trouble-Location Procedures
354-102-512	3	Detailed Trouble-Location Procedures
354-102-513	2	308-kHz to 64-kHz Frequency Converter
354-102-514	1	1.024-MHz to 64- or 512-kHz — Frequency Converter

**354-105 PFS-2B**

354-105-100	6	Description
Tests		
354-105-500	6	Maintenance Considerations
354-105-501	3	239E Amplifier
354-105-502	2	1D and 1E Counters
354-105-503	1	246D Pilot Sharper and Discriminator
Addendum		
354-105-504	6	Primary Frequency Supply (PFS-2B) — Oscillator Tests and Adjustments
354-105-505	1	246F Switch
354-105-506	7	246E Switch Tests — 4-, 64-, 128-, and 512-kHz Outputs
354-105-507	2	308-kHz to 64-kHz Frequency Converter
354-105-508	1	1.024-MHz to 64- or 512-kHz — Frequency Converter
354-105-509	2	Voltage and Waveform
354-105-510	2	J68909G 512-kHz Pilot Amplifier — (PFS-2B)

**354-130 Jumbogroup Frequency Supply**

354-130-100	2	J68934A — Description
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Number	Issue	Subject
<b>354-140 Bell System Carrier Synchronization Network</b>		
● 354-140-101	1	Bell System Reference Frequency Standard — Description
● 354-140-501	2	J68940A Bell System Reference Standard — Tests
354-140-502	1	Reference Frequency Network Distribution Circuits — Tests
354-140-503	1	Regional Frequency Supply — J68942AA Regional Frequency Supply — Distribution Circuits — Tests and Adjustments
354-140-504	1	1.024-MHz to 64- or 512-kHz Frequency Converter — Tests
▲354-170-000	1	J68934A Jumbogroup Frequency Supply (JFS) L5/L5E Carrier System
<b>354-200 Office Master Frequency Supply</b>		
▲354-200-000	2	J68956A Office Master Frequency Supply Bay
354-200-100	1	J68956A OMFS-1 — Description

**Division 355**

**Type K Carrier Telephone Systems Associated Equipment Components**

**355-0 Indexes, Equipment Test Lists, K1 and K2 Carrier Telephone Systems — Terminal and Repeater Equipment Components**

**355-1 Type K Carrier Telephone Systems Common Equipment Components — Testing Procedures**

Number	Issue	Subject
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**355-0 Indexes, Equipment Test Lists, K1 and K2 Carrier Telephone Systems — Terminal and Repeater Equipment Components**

**355-000 Indexes**

355-000-000	17	Numerical Index — Division 355 — Type K Carrier Telephone Systems and Associated Equipment Components
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**355-001 Equipment Test Lists**

355-001-011	4	Type K Carrier Telephone Systems and Associated Equipment Components
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**355-010/030 Type K1 Carrier Telephone Systems Terminal and Repeater Equipment Components**

**355-010 Group Equipment**

355-010-100	1	Description — Group Equipment and Carrier Supply
355-010-500	7	Over-All Channel Group
355-010-505	7	Group Equipment

**355-015 Amplifiers**

355-015-100	1	Line and Twist Amplifiers
355-015-500	7	Line and Twist Amplifiers — Pilot Wire Regulation

Number	Issue	Subject
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**355-020 Deviation Regulator**

355-020-100	2	Description
355-020-500	4	Tests, Inspection and Alignment

**355-025 Switching Arrangements**

355-025-100	1	Description — Key Operated Amplifier and Line Switching
355-025-500	1	Tests, Inspections and Alignment

**355-030 Emergency Operation**

355-030-100	2	Description
355-030-300	1	Service Maintenance (Operating Methods)

**355-050/085 Type K2 Carrier Telephone Systems Terminal and Repeater Equipment Components**

**355-050 Over-All System**

355-050-100	3	General — Over-All System Features
355-050-500	4	Over-All Channel Group

**355-055 Group Terminal Equipment**

355-055-100	3	Description
355-055-500	4	Tests, Inspections and Alignment

**355-060 Thermistors**

355-060-100	2	Description
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**355-065 Line Amplifiers**

355-065-100	3	Description — K2A and K2B
355-065-101	1	Portable K2B Line Amplifier (82F)
355-065-500	6	Tests, Inspections and Alignment — K2A and K2B

**355-070 Twist Amplifiers**

355-070-100	2	Description
355-070-500	7	Tests, Inspections and Alignment

Number	Issue	Subject	Number	Issue	Subject
<b>355-075 Equalizing and Pad Arrangements</b>			<b>355-110 Regulating Arrangements</b>		
355-075-100	2	Description	355-110-100	1	Description — Master Transmission Regulating
355-075-101	1	Portable K2 Equalizer Unit (82G)			
<b>355-080 Carrier Line Switching Arrangements</b>			<b>355-115 Switching Arrangements</b>		
355-080-100	1	Description	355-115-100	1	Line Switching and Amplifier Switching
355-080-500	1	Carrier Line Switching Arrangements	Addendum	1	
<b>355-085 Emergency Operation</b>			355-115-500	3	Types K1 and K2 Carrier Telephone Systems — Test, Switching, and Portable Amplifiers
355-085-300	1	Service Maintenance (Operating Methods)	<b>355-120 Pilot Measurements</b>		
<b>355-1 Type K Carrier Telephone Systems Common Equipment Components — Testing Procedures</b>			355-120-100	3	Description — Test Pilot Supply Arrangements
<b>355-100 Terminals, Repeaters and Over-All Systems</b>			<b>355-125 Test Equipment</b>		
355-100-000	2	Jack Field and Supplemental Designations	355-125-100	3	1AH Tube Test Set
355-100-300	9	K1 and K2 Carrier Telephone Systems — General Testing and Operating Information	355-125-105	2	42A Transmission Measuring System
355-100-305	3	Localizing System Operating Irregularities	<b>355-140 Carrier Crosstalk Balancing</b>		
355-100-310	2	Removal of Filter Filaments	355-140-000	1	Type K Crosstalk Balancing Forms
355-100-500	2	Tandem Operation	355-140-100	2	Automatic Switching Apparatus
355-100-505	3	Trouble Investigations in Amplifiers	355-140-500	2	General Information
355-100-510	1	Over-All System Equalization Using Portable Equipment	355-140-501	2	Manual Switching Method
<b>355-105 Noise, Crosstalk and Modulation</b>			355-140-502	2	Automatic Switching Method
355-105-300	2	Service Maintenance (Operating Methods)	<b>355-145 Carrier Crosstalk Measuring Sets</b>		
355-105-500	3	Noise and Crosstalk Tests on K and KJ Carrier Systems	355-145-100	4	6000A Crosstalk Set and Associated Apparatus
Addendum	1		355-145-101	2	68A and 69A Test Sets
355-105-505	2	Modulation Tests	355-145-102	2	16A Rectifier
			355-145-103	2	18A Oscillator
			355-145-104	2	4A Attenuator
			355-145-105	2	4A and 4B Terminating Networks
			355-145-106	2	Primary Calibration of 68A and 69A Test Sets
			355-145-107	2	Retuning of 68A and 69A Test Sets

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
355-145-108	2	Maintenance of 68A and 69A Test Sets
355-145-109	2	Modifications Required in the 68A and 69A Test Sets When This Equipment is used in Automatic Compromise Balancing of Type K Carrier Pairs
355-145-110	2	Modification of K Amplifiers — For K Carrier Crosstalk Balancing

**Division 356****Analog Multiplex Terminal Equipment****356-0 Index, Equipment Test Lists, Common Equipment**

- 000 Index
- 001 Equipment Test Lists
- 003 Analog Carrier
- 005/030 Common Equipment Group, Supergroup, and Mastergroup Distribution Frames
- 035/042 Multimastergroup Trunk Arrangements
- 067/081 Frequency Supply and Pilot Combining Circuits
- 099 Customer Information Releases (CIRs)

**356-1 LMX-1 and MMX-1**

- 105-110 Transmitting Circuits
- 115/120 Receiving Circuits
- 125 Terminal Circuits
- 130/138 MMX-1
- 150-187 LMX-1 Carrier and Pilot Supply

**356-2 LMX-2**

- 200/225 Terminals
- 250/275 Carrier and Pilot Supply
- 280/295 L60A/L120A LMX-2 Carrier Terminal

**356-3 LMX-1/LMX-2, LMX-3**

- 300 General
- 305/315 Transmitting Circuits
- 320/330 Receiving Circuits

**356-4 LWM Wideband Modem and Digits on Radio**

- 400/449 LWM Wideband Modem
- 450/460 Digital Transmission Terminals for Analog Facilities

**-356-5 MMX-2 and MGT**

- 500/524 MMX-2
- 542/543 Carrier Supply
- 546/548 Pilot Supply
- 570 NGT (Mastergroup Translator)

**356-6 JMX (Jumbogroup Multiplex)**

- 600 Description — JMX

**-620 MMGT-C (Multimastergroup Translator-Cable)****-625 MMGT-R (Multimastergroup Translator-Radio)**

Number	Issue	Subject
<b>356-0 Index, Equipment Test Lists, Common Equipment</b>		
<b>356-000 Index</b>		
356-000-000	3	Numerical Index — Division 356 — Analog Multiplex Terminal Equipment
<b>356-001 Equipment Test Lists</b>		
356-001-011	13	Equipment Test List
356-001-012	1	K Carrier
356-001-013	2	Multi-MG Trunk Arrangement
356-001-014	2	LMX-1
356-001-015	2	MMX-1
356-001-016	2	LMX-2
356-001-017	2	L60A, L120A LMX-2
356-001-018	1	LMX-1/LMX-2
356-001-019	2	1A Radio Digital System
356-001-020	2	MMX-2 and MGT
356-001-021	1	LWM WB Modem
<b>356-003 Analog Carrier</b>		
■ 356-003-000AC	2	Troubleshooting
<b>356-005/030 Common Equipment Group, Supergroup, and Mastergroup Distribution Frames</b>		
356-005-100	3	Description
356-005-501	3	Tests
<b>J68872A Line Pilot Monitor</b>		
356-008-100	1	Description
356-008-501	3	Tests
<b>Transmission Testing</b>		
356-010-500	2	Test Equipment
356-010-510	1	LMX-2 Carrier and Pilot Supply Tests — Flow Chart
356-010-511	1	J68858 Scanner and Test and Alarm Circuits — Flow Chart
356-010-512	1	LMX-2 Initial Testing — Flow Chart

Number	Issue	Subject	Number	Issue	Subject
356-010-513	1	Initial Testing — Flow Charts	356-011-505	1	315.92 Auxiliary Supergroup Pilot Supply
356-010-514	3	LMX In-Service Lineup — Flowchart			
356-010-520	1	Frequency Charts			
<b>CTMS (Carrier Transmission Maintenance System)</b>			<b>J68858 Scanner, Test, and Alarm Circuits</b>		
356-010-550	2	General Administrative Procedures	356-012-100	2	Description
356-010-551	2	104.08-kHz Pilot Bus Measurements (PLPB)	356-012-501	4	Scanner Function Tests — Common Equipment
356-010-552	2	Measurement of Terminal Pilots at Mastergroup and Line Access	356-012-502	4	Check of Gain Measurement and End-of-Range — Alarm Function of 234B Amplifier
356-010-553	2	Measurement of Supergroup and Group Pilots at Scanner (PLSC)	356-012-503	4	Check of Operation of 234A Amplifier
356-010-554	3	Supergroup Out-of-Band Noise Measurements	356-012-504	1	Group Pilot Measuring Circuit Calibration
356-010-555	2	Through Pilots and Cross-Office Transmission	356-012-505	3	315.92-kHz Supergroup Pilot Measuring Circuit Calibration
356-010-556	2	High Tone Scan (HTS) and Quick Hot Tone Scan(QHTS)	<b>A5/A6 Carrier Failure Alarm Retrofit System</b>		
356-010-557	2	Line Pilot Measurements (LP)	356-014-100	1	Description
356-010-558	1	L3 Pearl Tone Measurements	356-014-501	1	Tests and Trouble Correction
356-010-559	2	Demand Measurement Programs	<b>A1-A5 Channel Banks — Description</b>		
356-010-560	1	L Multiplex Terminals — Local Alarm Scanning System (LASS) — General Operating Procedures	356-015-100	4	A1, A2, A3 and A4
<b>Group and Supergroup Pilot Signals — Description</b>			356-015-101	1	A5 — General
356-011-100	1	J68857 S and -W 104.08-kHz Group Pilot Supplies	356-015-102	1	A5 Channel Bank
356-011-101	2	104.08-kHz Insertion Arrangements	356-015-103	1	Consolidated A5 Channel Bank Bay (J68853AA) and Consolidated F-Signaling Bays (J98624A and B)
356-011-102	1	Independent 104.08-kHz Pilot Supply — Description	356-015-104	1	NJ01303C-1 Unitized Terminal Equipment Frame — Description
356-011-105	1	Auxiliary 315.92-kHz Supergroup Pilot Supply	<b>A1-A5 Channel Banks — Tests</b>		
<b>Group and Supergroup Pilot Signals — Tests</b>			356-015-300	2	Patching Procedures
356-011-501	2	J68857S and J68857W Group Pilot Supplies — Stabilizer, Switch Control, and Primary Distribution — Bus Output	356-015-301	1	Consolidated A5 Channel Bank Bay (J68853AA) and Consolidated F-Signaling Bays (J98624A and B)
356-011-502	2	Secondary Pilot Distribution Circuit Output	356-015-310	1	A5 Channel Bank — Reduction of Intra-Channel Crosstalk
356-011-503	1	104.08 kHz In-Service Adjustment	356-015-500	6	General Maintenance Considerations
356-011-504	3	Independent 104.08-kHz Pilot Supply — Output Test — Group and Supergroup Pilot Signals	356-015-501	3	Out-of-Service Tests
			Addendum	1	
			356-015-502	1	A5 Channel Bank Carrier Supply — Distributing Bus Output Test
			356-015-503	1	In-Service 104-kHz Carrier Leak Test

Number	Issue	Subject	Number	Issue	Subject
<b>A6B Channel Bank and Direct Formed Supergroup Banks</b>					
▲356-016-000	2	J68954( ) Bays	356-016-502	3	J68929( ) Bays — Channel Bank Tests and Adjustments — Out-of-Service
▲356-016-010	2	J98629A and B Frames	356-016-503	3	Carrier Supply — In-Service Tests
▲356-016-013	2	J98629G and H Frames	356-016-504	2	Carrier Supply — Trouble Correction Procedures
▲356-016-014	2	(J98629J Frame) — Analog Multiplex Terminal Equipment	356-016-505	2	Unitized Terminal Equipment — J98626( ) Frames — Channel Bank Tests and Adjustments — Out-of-Service
▲356-016-015	2	J98629K and N Frames	356-016-506	1	Carrier Failure Alarm — Carrier Supply — Tests and Trouble Correction
▲356-016-017	2	J98629P and R Frames — Analog Multiplex Terminal Equipment			
▲356-016-018	2	J98629T and U Frames — Analog Multiplex Terminal Equipment	<b>Carrier Program Transmission</b>		
▲356-016-019	2	J98629W and Y Frames — Analog Multiplex Terminal Equipment	356-017-100	1	Description
356-016-100	2	J68929( ) Bays — Description	356-017-501	1	Patching Procedures and Out-of-Service Tests
356-016-101	2	Carrier Supply — Description	<b>Terminal Circuits — Tests</b>		
356-016-102	2	J98626( ) Frames — Description	356-018-300	1	General — Patching Procedures
356-016-103	1	Carrier Failure Alarm — Carrier Supply — Description	356-018-301	2	Terminal Trunks — Patching Procedures
356-016-104	1	A6B Channel Bank — Description	356-018-302	1	Mastergroup Trunks — Patching Procedure
356-016-105	1	J68954( ) Bays and J98629( ) Frames — Description	356-018-501	2	Loss Measurements — Transmitting and Receiving Trunks
356-016-106	1	Description	356-018-502	1	Line Pads at Branching Points — No Blocking
356-016-107	1	J68954( ) Bays and J98629( ) Frames	356-018-503	1	Blocking Filters at Branching Points
356-016-108	1	J68957A and B Unitized Terminal Equipment Frames — Description	356-018-504	1	Receiving and Transmitting Branch Hybrids
356-016-109	2	J60110AA No. 5 Signaling Transceiver, Echo Canceled, and Compandor (International, Interface Unit) — Description, Installation, and Maintenance	356-018-505	1	Hybrid Coils
356-016-110	1	J68965A and B Unitized Terminal Equipment Frames — Description	<b>Basic Mastergroup Trunk Arrangements</b>		
356-016-300	3	J68929( ) Bays — Equipping and Fusing the Bay	356-019-100	3	Description
356-016-301	2	J68929( ) Bays — Voice-Frequency Operations	356-019-500	3	Tests
356-016-302	2	Unitized Terminal Equipment — J98626( ) Frames — Operation	<b>Group Connectors</b>		
356-016-303	3	Unitized Terminal Equipment — J98626( ) Frames — Equipping and Fusing the Frames	356-020-101	1	Description
356-016-500	3	J68929( ) Bays and J98626( ) Frames — General Maintenance Considerations	356-020-102	1	B2 — Description
356-016-501	3	Carrier Supply — Initial Tests	356-020-103	2	B3 — Description
			356-020-300	1	(L- to L-) — Patching Procedure
			356-020-501	1	B1 — Out-of-Service Loss Tests

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		■ Appendix 2AC	1	Noise Tests Using Wandel & Goltermann SPM-16 Selective Level Meter
356-020-502	3	B2-Type — In-Service Adjustments	■ Appendix 3AC	1	Noise Tests Using Wandel & Goltermann SPM-17 Selective Level Meter
Addendum	1		■ Appendix 4AC	1	Noise Tests Using Wandel & Goltermann SPM-18 Selective Level Meter
356-020-503	3	B2-Type — Out-of-Service Tests	■ Appendix 5AC	1	Noise Tests Using Wandel & Goltermann SPM-19 Selective Level Meter
356-020-504	3	B2-Type — Turnover Tests	■ Appendix 6AC	1	Noise Tests Using HP-3586B Selective Level Meter
Addendum	1		■ Appendix 7AC	1	Noise Tests Using Bradley PB-1 C-1D VF Line Analyzer
356-020-505	1	B3 — In-Service Tests	■ Appendix 8AC	1	Noise Tests Using HP-3745B Selective Level Meter
356-020-506	1	B3 — Out-of-Service Tests	■ Appendix 9AC	1	Noise and Level Tests Using HP-3746A Selective Level Measuring Set
<b>Lineup of Groups in Tandem</b>			■ Appendix 10AC	1	Noise Tests Using HP-4935A Transmission Impairment Measuring Set
356-021-500	1	Line-Up of Combinations of J, K, and L Groups in Tandem	■ Appendix 11AC	1	Noise Tests Using HP-4940A Transmission Impairment Measuring Set
▲356-021-502	3	Wideband Data Service	■ Appendix 12AC	1	Noise Tests Using HP-4947A Transmission Impairment Measuring Set
356-021-503	1	Overall Lineup of Channel Groups — Initial and Maintenance	<b>Ground Detector Tests</b>		
356-021-504	2	Out-of-Service Tests — Group Facilities — Common Equipment	356-023-100	1	Locating Grounds on Balanced High Frequency Cabling
356-021-505	1	Out-of-Service Tests — Group Facilities — 15-kHz Program Equipment	<b>LT Connector</b>		
<b>Overall Noise and Modulation Tests</b>			356-024-100	4	Description
Addendum	1		356-024-105	3	LT-1B Facility Connector — Description
356-022-500	1	Over-All Modulation Test of Combinations of J, K and L Groups in Tandem	356-024-110	1	LT-2 Digital Transmultiplexer — Description
356-022-501	3	Channel Terminal Noise Tests — Common Equipment	▲356-024-505	2	LT-1B Facility Connector
356-022-502	7	Out-of-Service Noise Measurements— Common Equipment	▲356-024-510	1	LT-2 Digital Transmultiplexer — Maintenance
356-022-503	7	In-Service Supergroup Out-of-Band Noise Measurements	356-024-511	1	User Guide For LT-2 Digital Transmultiplexer
356-022-504	2	Signal Gain and Phase Impairments Overall Noise and Modulation Tests — Common Equipment	<b>Common Equipment — Analog Multiplex Terminal Equipment</b>		
<b>Common Equipment — Analog Multiplex Terminal Equipment</b>			■ 356-022-505AC	1	Steady Noise, Impulse Noise and Phase Jitter Tests
■ 356-022-505AC	1	Steady Noise, Impulse Noise and Phase Jitter Tests	■ Appendix 1AC	1	Noise Tests Using Wandel & Goltermann* SPM-15 Selective Level Meter
■ Appendix 1AC	1	Noise Tests Using Wandel & Goltermann* SPM-15 Selective Level Meter			

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Number	Issue	Subject	Number	Issue	Subject
<b>Supergroup Connectors</b>			<b>356-035/042 Multimastergroup Trunk Arrangements</b>		
Addendum	1		<b>MMX-2C and L4 Carrier</b>		
356-025-100	4	C1- and C2-Type — Description	356-035-100	3	Description
356-025-101	1	C3 — Description	356-035-500	2	Tests
356-025-300	1	Patching Procedure	<b>JMX and L5 Carrier</b>		
356-025-501	3	C1-Type — Out-of-Service Test	356-036-100	2	JMX-L5/L5E Restoration Trunk Bay — Description
356-025-502	3	C2-Type — In-Service Tests	356-036-500	2	JMX-L5/L5E Restoration Trunk Circuits — Maintenance Procedures
356-025-503	4	C2-Type — Out-of-Service Tests	<b>MMX-1 and WLEL</b>		
356-025-504	3	C2-Type — Turnover Test	356-040-100	4	Multimastergroup Trunk Arrangements — Description — Common Equipment
356-025-505	1	C3 — In-Service Tests	356-040-500	5	Multimastergroup Trunk Arrangements — Tests — Common Equipment
356-025-506	1	C3 — Out-of-Service Tests	<b>MMX-2R and Microwave Radio</b>		
<b>Mastergroup Connectors — J68829K (MMX-1 to MMX-1)</b>			356-041-100	5	Multimastergroup Restoration Trunks for Radio Systems — Description — Common Equipment
356-026-100	3	Description	356-041-500	5	Multimastergroup Restoration Trunks for Radio Systems — Tests — Common Equipment
356-026-300	1	Patching Procedures	<b>L5 Carrier Basic Jumbogroup Trunk Bay</b>		
356-026-501	4	In-Service Tests	356-042-100	2	Description
356-026-502	4	Out-of-Service Tests	<b>356-067/081 Frequency Supply and Pilot Combining Circuits</b>		
<b>Mastergroup Connectors — J6882AP (MMX-2 to MMX-2)</b>			<b>Intermediate Frequency Converter Circuit</b>		
356-027-100	3	Description	356-067-501	2	Measurement of the 516 KC Output
356-027-300	1	Patching Procedures	<b>Pilot Combining Circuit</b>		
356-027-501	2	In-Service Loss Tests	356-079-501	2	Measurement of 6-Frequency or 2-Frequency Output
356-027-502	3	Out-of-Service Tests	<b>Pilot Combining Circuit at Offices with PIL TST Jack</b>		
<b>Mastergroup Connectors — J6882AW (Between MMX-1 and MMX-2)</b>			356-080-501	3	Measurement and Adjustment of 6-Frequency or 2-Frequency Combining Circuit Output
356-028-100	3	Description			
356-028-300	2	Patching Procedure			
356-028-501	2	In-Service Tests			
356-028-502	3	Out-of-Service Tests			
<b>Mastergroup Connector (Passive) — J68953AF</b>					
356-029-100	3	Description			
356-029-501	2	In-Service Tests			
356-029-502	2	Out-of-Service Tests			
<b>Type J and K — Carrier and Pilot Supply</b>					
356-030-500	1	Type J2, K, and Combined J2 and K — General Maintenance Considerations			
356-030-510	3	Type K			

Number	Issue	Subject	Number	Issue	Subject
<b>Emergency Pilot Supply</b>			356-115-504	1	Turnover Test
356-081-503	2	Pilot Generator Circuits for Emergency Use Only — At Offices With PIL TST Jack — Measurement and Adjustment of Pilot Generator Output — Measurement of Rectifier DC Current and Adjustment of Sensitrol Relay	<b>Group Demodulator</b>		
<b>2 KC and 10 KC Standard Frequency Supply Circuit</b>			356-120-300	1	Receiving Group Bank — Patching Procedures
356-088-501	1	Output Measurements	356-120-501	2	In-Service Gain Tests
<b>356-099 Customer Information Releases (CIRs)</b>			356-120-502	1	Out-of-Service Gain Tests
□ 356-099-001IR	1	Discontinued Availability of LMX-3 Multiplex, Transmission Systems	356-120-503	1	Auxiliary Amplifier — Gain Tests
<b>356-1 LMX-1 AND MMX-1</b>			356-120-504	1	Turnover Tests
356-100-100	3	Overall System Description — Group and Supergroup Equipment	<b>356-125 Terminal Circuits</b>		
356-100-500	4	Electron Tube Tests and Patching Procedures	356-125-501	1	Terminal Compensating Networks — Tests
<b>356-105/110 Transmitting Circuits</b>			<b>356-130/138 MMX-1</b>		
<b>Group Modulator</b>			356-130-100	1	Description — Submastergroup and Mastergroup Equipment
356-105-300	1	Patching Procedures	356-130-500	1	Overall System — General Test Information
356-105-501	2	In-Service Test	356-130-501	1	Overall System Tests — Multipurpose Trunk Arrangements
356-105-502	1	Out-of-Service Gain Tests	<b>Transmitting Submastergroup Bank</b>		
356-105-503	1	Intermediate Amplifier — Gain Test	356-132-300	2	Patching Procedures
356-105-504	1	Turnover Tests	356-132-501	2	Gain Tests
<b>Supergroup Modulator</b>			Addendum	1	
356-110-300	1	Patching Procedures	356-132-502	2	Turnover Test
356-110-502	1	Out-of-Service Loss Tests	<b>Transmitting Mastergroup Bank</b>		
<b>356-115/120 Receiving Circuits</b>			356-134-300	1	Patching Procedures
<b>Supergroup Demodulator</b>			356-134-501	3	Loss Tests
356-115-300	1	Patching Procedures	Addendum	1	
356-115-501	1	In-Service Loss Test	356-134-502	2	Turnover Tests
356-115-502	1	Out-of-Service Tests	356-134-503	1	Hybrid Loss Tests
356-115-503	3	C2C Supergroup Regulated Amplifier — Tests	<b>Receiving Mastergroup Bank</b>		
			356-136-300	1	Patching Procedures
			Addendum	1	
			356-136-501	3	Gain Tests
			Addendum	1	
			356-136-502	2	Turnover Tests
			356-136-503	1	Hybrid Loss Tests
			<b>Receiving Submastergroup Bank</b>		
			356-138-300	1	Patching Procedures

Number	Issue	Subject	Number	Issue	Subject
356-138-501	3	Loss Tests — MMX-1	<b>L1 Line Pilot Frequencies</b>		
Addendum	1		356-161-501	2	Tests
356-138-502	2	Turnover Tests	<b>Primary Frequency Converter Circuit</b>		
<b>356-150/187 LMX-1 Carrier and Pilot Supply</b>			356-165-501	4	Input and Output Level Adjustments — LMX-1 and L3 Carrier
<b>J68775 — Carrier and Pilot Supply</b>			<b>Intermediate Frequency Converter</b>		
356-150-100	1	Description	356-166-501	2	516-kHz Output Tests
356-150-300	1	Line Pilot Switching	356-166-502	2	77- and 139-kHz Output Tests
356-150-501	2	Electron Tube Tests	356-166-503	1	1211-kHz Output Tests
356-150-502	1	Group and Supergroup Distributing Bases — Measurement of Voltage Delivered to B Relay	<b>520-kHz Harmonic Generator Circuit</b>		
<b>J68775 Primary Frequency Supply</b>			356-167-501	3	520-kHz Output Test
356-151-501	1	128-kHz Oscillator Circuit Tests	<b>Carrier Amplifier Circuits</b>		
356-151-502	2	64-kHz Output Power Tests	356-168-501	3	J68828A — Output Tests
356-151-503	2	J68775U — 4-kHz Output Test	<b>2.08-MHz Frequency Supply Circuit</b>		
356-151-504	1	4-kHz Distribution Circuit Tests	356-169-501	1	Measurement at 2080-KC TST Jack
<b>4-kHz Harmonic Generator</b>			<b>Transfer and Control Circuit</b>		
356-152-501	2	Output Power Tests	356-170-501	2	Tests
<b>Channel Carrier Distribution Bus</b>			<b>Primary Carrier Distribution Circuit</b>		
356-153-501	1	Equalization of Pilot Frequency	356-171-501	3	Output Power and Meter Relay Tests — Primary Carrier Distribution Circuit — LMX-1 and MMX-1 Carrier Supply
356-153-502	2	Output Power Tests	<b>Secondary Carrier Distribution Circuit</b>		
<b>Group Carrier Distribution Circuit</b>			356-172-501	2	Output Power and Meter Relay Tests
356-154-501	2	Equalization of Filter Outputs	<b>24-Volt AC-DC Supply and Fuse Distributing Circuit</b>		
356-154-502	2	Amplifier Output Power	356-173-501	1	Tests
356-154-503	1	Bus Output Power	<b>Pilot Generator Circuits</b>		
<b>Supergroup Carrier Supplies</b>			Addendum	2	
356-155-501	1	124-kHz Filter Tests	356-174-501	1	Combined Harmonic Generating and Flattening Circuit Tests
356-155-502	2	124-kHz Harmonic Generator Test	356-174-502	2	Output Power, Sensitrol Relay, and Amplifier Stability Tests
356-155-503	3	Distribution Amplifier Tests — LMX-1 Carrier and Pilot Supply	356-175-501	2	Regular and Standby Pilot Generator Output Tests
356-155-504	1	Distribution Bus Power	<b>88-KHz Program Carrier</b>		
<b>J68857X Stabilized 64 KHz Pilot Supply</b>			356-156-501	1	Tests and Adjustments
356-160-100	1	Description	<b>J68857X Stabilized 64 KHz Pilot Supply</b>		
356-160-501	1	In-Service Tests	356-160-100	1	Description
			356-160-501	1	In-Service Tests

**Number Issue Subject**

**Emergency Pilot Alarm Control Circuit**

356-176-501 1 Tests

**Pilot Distributing Circuits**

356-177-501 1 Output Power Check

356-177-502 1 Measurement of Rectified DC Current and Adjustment of WKG Generator — Sensitrol Relay

**Pilot Combining Circuits**

356-179-501 2 Six-Frequency or Two-Frequency Combining Circuit Output

**Emergency Pilot Supply**

356-180-501 1 Tests

356-180-502 1 Emergency Pilot Generator Circuits — Tests

**64-kHz Synchronizing Frequency Amplifier**

356-181-501 1 Tests and Adjustments

**308-KHz Synchronizing Frequency Amplifier**

356-182-501 1 Output Tests

**64-KHz Frequency Comparator Circuit**

356-183-501 1 Beat Frequency Test

356-183-502 1 End-of-Range Alarm Tests

**308-kHz Frequency Comparator Circuit**

356-184-501 1 Beat Frequency Test

356-184-502 1 End-of-Range Alarm Test

**64-kHz and 308-kHz Generator Circuit**

356-185-501 1 Output Power Tests

**4139-kHz Reference Frequency Supply**

356-186-501 1 Output Test

**Idle Indicator Relay Circuit and Lamps**

356-187-501 1 Operational Check

**Number Issue Subject**

**356-2 LMX-2**

**356-200/225 Terminal**

**Overall System — Description**

356-200-100 4 L600A, L1860A, U300( ) and Conversion to U600

356-200-101 1 Supergroup Distributing Terminal

356-200-501 4 J87288A DC-to-DC Converter

**Transmitting Circuits — Group Modulator**

356-205-300 4 Patching Procedures

356-205-501 3 Group and Supergroup Modulators — In-Service Tests

356-205-502 2 Out-of-Service Gain Tests

356-205-503 1 Turnover Tests

**Transmitting Circuits — Supergroup Modulator**

356-210-300 3 Patching Procedures

356-210-502 1 Out-of-Service Loss Tests

**Receiving Circuits — Supergroup Demodulator**

356-215-300 2 Patching Procedures

356-215-501 6 In-Service Loss Adjustments

356-215-502 3 Out-of-Service Loss Tests

356-215-503 4 C2C Supergroup Regulated Amplifier — Tests

356-215-504 1 Turnover Test

**Receiving Circuits — Group Demodulator**

356-220-300 2 Patching Procedures

356-220-501 4 In-Service Gain Tests

356-220-502 1 Out-of-Service Gain Tests

356-220-503 3 B2C Group Regulated Amplifier — Tests

356-220-504 1 Turnover Test

**L Multiplex Terminal Circuits J68918 Scanner, Test, and Alarm Equipment**

356-225-100 1 Description

356-225-501 2 Scanner Function Tests

356-225-502 2 Gain Measurement and End-of-Range Alarm Function

356-225-503 2 Supergroup Pilot Measuring Circuit Calibration

Number	Issue	Subject	Number	Issue	Subject
<b>356-250/275 Carrier and Pilot Supply</b>			Addendum	1	
356-250-100	2	Description	356-275-504	3	512-kHz Line Pilot Supply and Distribution Circuit — Tests — LMX-2
<b>Intermediate Frequency Supplies</b>			<b>356-280/295 L60A/L120A LMX-2 Carrier Terminal</b>		
356-260-501	1	J68857D and N Output Power Test	356-280-100	2	Description
356-260-502	2	Output Power Test — Immediate Frequency Supply J68857AE — LMX-2 Carrier and Pilot Supply	<b>Transmitting Circuits — Group Modulator</b>		
<b>Group Carrier Supply</b>			356-281-330	1	Periodic Test Intervals
356-265-501	5	12-kHz Amplifier Output Test — Group Harmonic Generator J68857E	356-281-501	2	In-Service Pilot Adjustment
356-265-502	2	Group Primary Distribution Circuit Test	356-281-502	3	In-Service Gain Adjustment
356-265-503	1	Group Secondary Distribution Circuit Test	356-281-503	2	Out-of-Service Gain Adjustment
<b>Supergroup Carrier Supply</b>			<b>Transmitting Circuits — Supergroup Modulator</b>		
356-270-100	1	Mobile Carrier Supply NJ01344A-1 — Description	356-282-501	3	In-Service Loss Adjustment
356-270-300	1	Restoration Patching	356-282-502	2	Loss Tests
356-270-301	1	Mobile Carrier Supply — Operation and Maintenance	<b>Receiving Circuits — Supergroup Demodulator</b>		
356-270-501	5	Drive Amplifier Tests	356-283-501	4	In-Service Loss Test
356-270-502	3	Modulator Transistor Performance Test	356-283-502	3	Out-of-Service Loss Tests
356-270-503	4	Output Power Test	<b>Receiving Circuits — Group Demodulator</b>		
356-270-504	2	Tuned Distribution Circuit Tests and Adjustments	356-284-501	2	In-Service Gain Tests
356-270-505	3	Trouble Location Procedures — LMX-2 Carrier and Pilot Supply	356-284-502	3	Out-of-Service Gain Tests
356-270-506	3	Phase Jitter Test	<b>Carrier Supply — 4-kHz Primary Frequency Supply</b>		
<b>Independent Pilot Supply</b>			356-285-501	3	Output Power With 64-kHz Synchronization
356-275-100	1	J68911A 64-kHz and J68911B 512 kHz — Line Pilot Supply and Distribution Circuits — Description	356-285-502	3	L60A/L120A — Output Power — Without Synchronization
356-275-501	1	Stabilizer and Switch Control Output Tests	<b>Carrier Supply — 4-KHz Harmonic Generator</b>		
356-275-502	1	Distribution Circuit Tests	356-286-501	1	Output Level
Addendum	1		<b>Carrier Supply — Channel Carrier Distributing Circuit</b>		
356-275-503	5	64-kHz Line Pilot Supply and Distribution Circuit — Tests — LMX-2	356-287-500	1	Carrier and Pilot Supply Tests
			356-287-501	1	Distributing Bus Power
			<b>Carrier Supply — Group</b>		
			356-288-501	1	12 Kc Amplifier Output
			356-288-502	1	Distribution Circuit Output

Number	Issue	Subject	Number	Issue	Subject
<b>Carrier Supply — Supergroup</b>			<b>Group Modulator</b>		
356-289-501	2	Carrier Drive Amplifier Output	356-315-501	1	In-Service Gain Adjustment
356-289-502	2	Distribution Circuit Output at Carrier Test Panel	356-315-502	1	Group Bank Gain Tests
356-289-503	1	Distribution Circuit Output at the Distribution Bus	<b>356-320/330 Receiving Circuits</b>		
<b>Pilot Supply — 64 KHz</b>			<b>Supergroup Demodulator</b>		
356-290-501	2	Stabilizer Alarm Voltage and Output	356-320-501	2	In-Service Loss Adjustment
<b>Pilot Supply — 92 KHz</b>			356-320-502	1	Checking Receiving Supergroup Circuits for Turnover
356-291-501	2	Stabilizer Alarm Voltage and Output Pilot Supply —	356-320-503	4	Out-of-Service Loss Tests
<b>Pilot Supply — 104.08 KHz</b>			<b>Group Demodulator</b>		
356-292-501	3	Stabilizer and Output Alarm Voltage	356-330-501	3	In-Service Gain Tests
<b>Terminal Circuits</b>			356-330-502	1	Checking Receiving Group Circuits for Turnover
356-293-501	2	Trunk Loss Measurements	356-330-503	2	Circuit Gain Tests
356-293-502	2	Hybrid Tests Measuring Circuits — Group	<b>LMX-3 System</b>		
<b>Group — Measuring Circuits</b>			▲356-350-000	3	Analog Multiplex Terminal Equipment — LMX-3 System
356-294-501	3	Calibration	356-350-100	3	J68941A and J68941N Combined Bay (U600) — Description
356-294-502	4	L60A/L120A — Amplifier Gain and Meter Calibration	356-350-1013		J68941E and J68941P Group Bank Bay — Description
<b>Supergroup Pilot — Measuring Circuits</b>			356-350-1023		J68941F and J68941R Supergroup Bank Bay — Description
356-295-501	3	Calibration	356-350-103	2	J68941G Convertible Combined Bay (L600) — Description
356-295-502	3	L60A/L120A — Supergroup Amplifier Gain and Meter Calibration	<b>356-4 LWM Wideband Modem and Digits on Radio</b>		
<b>356-3 LMX-1/LMX-2, LMX-3</b>			<b>356-400/449 LWM Wideband Modem</b>		
<b>356-300 General</b>			▲356-400-100	1	LWM-1 (10 to 51 KC)
356-300-500	1	Maintenance Considerations	▲356-400-500	1	40-KC Wideband Transmission System — Signal Level Tests and Alignment
<b>356-305/315 Transmitting Circuits</b>			▲Addendum	2	
<b>Supergroup Modulator</b>			▲356-401-100	1	Toll Systems — LWM-5 (2 to 35 KC)
356-305-501	1	In-Service Loss Adjustment	▲356-401-500	2	LWM-5 — Tests
356-305-502	3	Supergroup Bank — Out-of-Service Loss Tests	▲356-402-100	2	LWM-6 — Description
			▲Addendum	1	
			▲356-402-500	3	L Multiplex Terminals — LWM-6 — Tests

Number	Issue	Subject	Number	Issue	Subject
▲356-405-100	1	190-KHz Wideband Transmission System — LWM-2 — Description	<b>Interim Picturephone Service</b>		
▲356-405-500	1	190-KHz Wideband Transmission System — LWM-2 — Signal-Level Tests and Alignment	● 356-455-100	1	Overall System
▲356-410-100	1	LWM-3 Wideband Modem and LWM-4 Wideband Modem (28 to 44 KC)	● 356-455-101	1	M2R Terminal Bay
▲356-410-500	1	16-KC Wideband Transmission System — Signal Level Tests and Alignment	● 356-455-102	1	Regenerator Bay
▲356-411-100	2	LWA-1 Alternate Use Panel — Description	<b>Tests</b>		
▲356-411-500	1	Alternate Use Panel — Tests	● 356-455-500	1	General Test Information
<b>356-450/460 Digital Transmission Terminals for Analog Facilities</b>			● 356-455-501	1	M2R Terminal
<b>1A-RDS (1A Radio Digital System) — Description</b>			● 356-455-502	1	Digital Regenerator
356-454-010	2	DDS Preservice Implementation	● 356-455-510	1	Trouble Location Tests
356-454-020	2	Maintenance Methods	<b>Data Over Voice for L4 and L5/L5E Coaxial Cable System (DOV-5)</b>		
356-454-100	5	Overall Description	■ 356-456-901AC	1	Data on Mastergroup (DOM) — FM and SSB Radio Systems — Description
356-454-101	5	1A-RDT (1A Radio Digital Terminal) — Description	■ 356-456-902AC	1	Data on Mastergroup (DOM) — FM and SSB Radio Systems — Initial Line Up, Testing, Operation, and Maintenance
356-454-102	1	Terminal — Portable Transmitter and Receiver — Description	■ 356-456-920AC	1	Digital Transmission System — Description
356-454-300	5	Operation	■ 356-456-921AC	1	Digital Transmission System — Initial Line Up, Testing, Operation, and Maintenance
356-454-302	1	Terminal — Portable Transmitter and Receiver — Operation	<b>DMG-1 (Digital Mastergroup System)</b>		
356-454-500	4	General Test Information	▲356-460-000	2	Maintenance
356-454-501	4	Terminal — Transmitter Tests	356-460-100	2	Description
356-454-502	3	Terminal — Receiver Tests	<b>356-5 MMX-2 AND MGT</b>		
356-454-503	3	Switch Status and Control Panel (J68435E) and Remote Switch Status and Control Panel (J68435AD) — Test	<b>356-500/524 MMX-2</b>		
356-454-504	2	J68435AC and J87378DC/DC Converters — Tests Terminal	<b>Overall System — Description — MMX-2C</b>		
356-454-510	4	Initial Tests for Placing the 1A-RDS In- Service	356-500-100	5	General Description
356-454-511	4	In-Service Trouble-Locating Tests	356-500-101	5	Transmitting and Receiving Circuits
356-454-512	3	Out-of-Service Trouble-Locating Tests	356-500-102	4	Transmission Switching and Alarm Circuits
356-454-520	4	Routine Tests	356-500-103	3	Carrier Supply and Pilot Supply
356-454-530	1	Portable Terminal — Tests	<b>Overall System — Description — MMX-2R</b>		
			356-500-110	5	MMX-2R33 and MMX-2R63 — General Description
			356-500-111	6	MMX-2R33 and MMX-2R63 — Transmitting and Receiving Circuits

Number	Issue	Subject
356-500-112	4	Transmission Switching and Alarm Circuits
356-500-113	2	Carrier Supply and Pilot Supply
356-500-115	3	MMX-2RA12 — Description

**Overall System — Operation**

356-500-301	7	MMX-2 — Removing and Replacing Units
356-500-302	2	Removing and Replacing Units of MMX- 2RA12 Terminal

**Overall System — Tests**

356-500-500	6	MMX-2C and MMX-2R — Maintenance Considerations
356-500-501	5	DC-DC Converter J87297A — Checks and Adjustments

**Transmitting Circuits — Modulator and Pilot Detector or Detector-Squelch**

356-512-501	5	Checks and Adjustments
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**Receiving Circuits — Loopback Amplifier**

356-522-501	3	Checks and Adjustments
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**Receiving Circuits — Demodulator, Mastergroup Equalizer, and Regulator**

356-524-501	6	Checks and Adjustments
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**356-542/543 Carrier Supply**

**Binary Generator J68882AL**

356-542-501	5	Checks and Adjustments
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**Carrier Generator and Distribution Circuit**

356-543-501	3	Checks and Adjustments
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**356-546/548 Pilot Supply**

**Mastergroup Pilot Generator J68882AR**

356-546-501	4	Checks and Adjustments
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**Pilot Distribution Circuit**

356-548-501	2	Checks and Adjustments
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**356-570 MGT (Mastergroup Translator)**

**Description — MGT**

▲356-570-000	3	Mastergroup Translator System (MGT-A) Analog Multiplex Terminal Equipment
▲356-570-001	3	Mastergroup Translator System (MGT-B) Analog Multiplex Terminal Equipment
356-570-100	3	MGTA and Combiner Circuits
356-570-101	2	MGTB — Description

**356-6 JMX (Jumbogroup Multiplex)**

**356-600 Description — JMX**

356-600-100	1	Overall System
356-600-101	1	Transmitting & Receiving Circuits
356-600-102	1	Switch Control and Summary Alarm
356-600-103	1	Carrier Supply

**356-620 MMGT-C (Multimastergroup Translator-Cable)**

▲356-620-000	1	L5E Carrier System
356-620-100	3	J68955( ) — E Description

**356-625 MMGT-R (Multimastergroup Translator-Radio)**

356-625-100	1	500B Protection Switching System and Two-Tone Generator — Description — AR6A Single-Sideband Radio System
▲356-625-500	2	500B Protection Switch Controller and AT&T Reference Transmission Unit — AR6A Single Sideband Radio System



**Division 357**

**Wire-Line Entrance Links Broadband Entrance Links Interconnection**

**357-0 Index, Equipment Test List, and Tube Type Wire-Line Entrance Links — TD2, TJ, and LMX**

**357-1 Tube Type Wire-Line Entrance Links — TH and LMX**

**357-2 Wire-Line Entrance Links: Tube Type — TL and LMX; Transistor Type — TL-2 or TM-1 and LMX ; Transistor Type — TD-2, TJ or TJ/TM-1 and LMX**

**357-3 3A Wire-Line Entrance Link and Broadband Entrance Links and Interconnection**

**357-6 200B Protection Switching System**

**357-8 Broadband Connection Links**

Number	Issue	Subject
<b>357-0 Index, Equipment Test List, and Tube Type Wire-Line Entrance Links — TD2, TJ, AND LMX</b>		
<b>357-000 Index</b>		
357-000-000	89	Numerical Index — Division 357 — Wire- Line Entrance Links — Broadband Entrance Links — Interconnection

**357-001 Equipment Test List**

357-001-011	8	Equipment Test List
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**357-005 Electron Tube Type A Wire-Line Entrance Link — TD2 and LMX**

357-005-100	3	Description
357-005-101	2	Transmitting Link
357-005-102	2	Receiving Link
357-005-103	2	Testing Methods
357-005-104	2	Equipment Arrangements
357-005-500	2	General
357-005-501	2	Initial Tests and Adjustments
357-005-502	7	Equalization and Gain-Frequency Lineup

Number	Issue	Subject
357-005-503	3	Overall Lineup
Addendum	1	
357-005-505	2	64-kHz Pilot and Noise Indicator Adjustment
357-005-506	2	Pilot Measurements
Addendum	1	
357-005-507	1	Line Switching Circuit
357-005-509	3	Maintenance Tests and Maintenance Summary
357-005-510	2	Lineup

**357-010 Electron Tube Type B Wire-Line Entrance Link — TD2 and LMX**

357-010-100	2	Description
357-010-101	1	Transmitting Link
357-010-102	1	Receiving Link
357-010-103	1	Testing Methods
357-010-104	1	Equipment Arrangements
357-010-500	1	General
357-010-501	1	Initial Tests and Adjustments
357-010-502	2	Equalization and Gain-Frequency Line-Up Tests
357-010-503	2	Over-All Line-Up
357-010-504	1	High-Frequency Line — Noise and Spurious Tone Check
357-010-505	2	64-kHz Pilot and Noise Indicator Adjustment
357-010-506	1	Pilot Measurements
357-010-507	1	Line Switching Circuit
357-010-509	2	Maintenance Tests and Maintenance Summary

**357-015 Electron Tube Type C Wire-Line Entrance Link — TD2 and LMX**

357-015-500	1	Operating Methods Type C Facilities
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**357-020 Electron Tube Type A Wire-Line Entrance Link — TJ and LMX**

357-020-100	2	Description
357-020-500	1	General
357-020-501	2	Initial Tests and Adjustments
Addendum	3	
357-020-502	2	Equalization and Gain-Frequency Lineup Tests

Number	Issue	Subject	Number	Issue	Subject
357-020-503	2	Over-All Line-Up	Addendum	1	
357-020-504	1	Pilot Adjustments	357-100-505	1	Power Supplies
357-020-505	1	Pilot Measurements	357-100-510	4	Message Connecting Link for Interconnection of TH-1 Radio and L Facilities — Switching Circuits
<b>357-025 Electron Tube Type B Wire-Line Entrance Link — TJ and LMX</b>			Addendum	1	
357-025-100	1	Description	357-100-515	1	Amplifiers and Regulators
357-025-500	1	General	Addendum	1	
357-025-501	2	Initial Tests and Adjustments	357-100-520	1	Gain Equalization of Message Connecting Links
Addendum	1		Addendum	1	
357-025-502	1	Equalization and Gain-Frequency Line-Up Tests	357-100-522	2	Bridging, Blocking, and Dropping Points — Tests and Adjustments
357-025-503	1	Over-All Line-Up	Addendum	1	
357-025-504	1	Pilot Adjustments	357-100-525	2	Replacement of Trunks
357-025-505	1	Pilot Measurements	Addendum	1	
<b>357-030 Electron Tube Type A Wire-Line Entrance Link — TJ and LMX</b>			357-100-530	1	Repair of Amplifiers and Regulators
357-030-100	2	Description	<b>357-2 Wire-Line Entrance Links: Tube Type — TL and LMX; Transistor Type — TL2 or TM1 and LMX; Transistor Type — TD2, TJ or TJ/TM1 and LMX</b>		
357-030-500	2	General	<b>357-200 Electron Tube Type A Wire-Line Entrance Link — TL and LMX</b>		
357-030-501	2	Initial Tests and Adjustments	357-200-100	3	Circuit Description
357-030-502	2	Equalization and Gain-Frequency Line-Up Tests	357-200-500	1	Type A Basic Message Connecting Link for Connection of L-Type Multiplex to TL Radio — Initial Lineup and Maintenance Tests
357-030-503	2	Over-All Line-Up — Terminal-to-Terminal	357-200-501	2	Equalization and Gain-Frequency Line-Up Tests
357-030-504	2	Posted Pilot Measurements	357-200-503	3	Pilot Measurements and Maintenance Summary
357-030-505	2	Pilot Measurements	357-200-505	2	Amplifier Replacement
<b>357-035 Branching Arrangements at TD2 Radio Junction Points</b>			<b>357-205 Transistor Type A Wire-Line Entrance Link — TL2/TM1 and LMX</b>		
357-035-500	2	Adjustments and Gain-Frequency Line-Up Tests	357-205-100	3	Description
<b>357-1 Tube Type Wire-Line Entrance Links — TH and LMX</b>			357-205-500	1	Initial Lineup and Maintenance Test
<b>357-100 Wire-Line Entrance Link — TH-1</b>			357-205-501	6	Equalization and Gain-Frequency Line-up Tests
Addendum	1		357-205-503	3	Pilot Measurements
357-100-100	2	Circuit Description	357-205-505	1	Amplifier Replacement
357-100-500	2	Message Connecting Link — Interconnection of TH-1 Radio and L Facilities — Initial Lineup and Maintenance Tests			

Number	Issue	Subject	Number	Issue	Subject
<b>357-210 Transistor Type A Wire-Line Entrance Link — TD2 and LMX</b>			<b>357-301 Nonrepeated Links — Equalization and Gain-Frequency Tests</b>		
357-210-100	1	Description	357-301-501	8	Multiplex-to-Radio With 200A and FMAS Switching Systems
357-210-500	1	Initial Lineup and Maintenance Tests	357-301-502	1	MX-to-MX and 200B Protection Switching
Addendum	1		357-301-503	1	Used Unprotected With Short-Haul Radio
357-210-501	2	Equalization and Gain-Frequency Line-Up Tests	357-301-504	1	Used Protected With Radio By 400B Switching
357-210-503	2	Pilot Measurements and Maintenance Summary	357-301-505	4	TD/TH DEDWLEL
<b>357-215 Transistor Type A Wire-Line Entrance Link — TJ or TJ/TM1 and LMX</b>			357-301-506	1	For Short-Haul Radio and J68436B Protected Gain and Equalization Unit
357-215-100	1	Description	357-301-507	2	Multiplex-to-Radio With 300A or 401B Switching Systems — 3A Wire-Line Entrance Link
357-215-500	1	Initial Lineup and Maintenance Tests	<b>357-302 Repeated Links</b>		
357-215-501	4	Equalization and Gain-Frequency Line-up Tests	357-302-501	4	Equalization and Gain-Frequency Tests — Multiplex-to-Radio Repeated Link
357-215-503	2	Pilot Measurements and Maintenance Summary	357-302-502	1	Equalization and Gain-Frequency Tests — MX-to-MX and 200B Protection Switching
357-215-505	1	Amplifier Replacement	357-302-511	1	Powering Remote Repeaters
<b>357-220 Transistor Type B Wire-Line Entrance Link — TD2 Radio and LMX</b>			<b>357-303 TH-1 Radio</b>		
357-220-100	1	Description	357-303-100	2	Description
357-220-501	1	Initial Line-Up Tests, Equalization, Gain-Frequency Tests and Maintenance Tests	357-303-501	2	Initial Checks and Adjustments
357-220-503	1	Pilot Measurements	357-303-503	2	3A Message-Connecting Link for Use With TH-1 Radio — Gain-Frequency Equalization, Lineup Tests, and 308 or 512-kHz Pilot Adjustment
<b>357-3 3A Wire-Line Entrance Link and Broadband Entrance Links and Interconnection</b>			357-303-505	1	3A Message-Connecting Link for Use With TH-1 Radio — Bridging, Blocking, and Dropping Points — Gain-Frequency Adjustments
<b>357-300 3A Wire-Line Entrance Link</b>			357-303-506	2	3A Message-Connecting Link for Use With TH-1 Radio — Replacement of Trunks
357-300-100	3	Description			
<b>Tests</b>					
357-300-501	4	Initial Checks and Adjustments			
357-300-502	5	64-kHz and 512-kHz Pilot Tests and Adjustments			
357-300-503	1	197A Gauge — Calibration and Operating Procedures			
357-300-507	3	J68435K or J68435M Message-Data Combining Panel — Alignment and Switch Tests			

Number	Issue	Subject	Number	Issue	Subject
<b>357-304 Mastergroup Branching</b>			<b>357-6 200B Protection Switching System</b>		
357-304-100	1	J68421 — Description	357-610-100	1	Description — Overall System
357-304-500	2	J68421 — Initial Lineup and Maintenance	357-610-101	1	Description — Automatic and Manual Control Circuits — Transmitting and Receiving Switching Systems
<b>357-311/314 Broadband Entrance Links</b>			357-610-102	1	Description — Indications, Alarms, and Alarm Circuits
<b>Group Entrance Link Per SD-50968-01</b>			357-610-103	1	Description — Sensor Circuits
357-311-100	2	Description	357-610-104	1	Description — Monitoring and Test Facilities
357-311-501	1	Initial Tests and Adjustments	357-610-105	1	Description — Power Requirements and Distribution
357-311-502	2	Trouble Location	357-610-300	1	Operation — Overall System
357-311-503	1	Interface Criteria — Tests	357-610-500	1	Tests — Overall System
<b>Supergroup Entrance Link Per SD-50700-01</b>			357-610-501	1	Tests — Transmitting — Automatic and Manual Control Circuits
357-312-100	1	Description	357-610-502	1	Tests — Receiving — Automatic and Manual Control Circuits
357-312-501	1	Initial Lineup	357-610-503	3	Tests — J68382E-1 Baseband Amplifier Rectifier
357-312-502	1	Trouble Location	357-610-504	1	Tests — J68398P Metering Circuit
<b>1A Radio Digital System Digroup Connector</b>			<b>357-8 Broadband Connection Links</b>		
357-313-100	1	Description	<b>357-825 Surveillance Interface Panel</b>		
357-313-501	2	J68440A 1A RDS Digroup Connector — Alignment of Intermediate Digroup Connector	357-825-100	1	Groupband Data Links — Description
357-313-502	2	J68440A 1A RDS Terminal Digroup Connector — Receiving Access Trunk and J68435H Transmitting Access Panel — Access Trunk Alignment	357-825-500	1	Groupband Data Links — Tests and Adjustments
357-313-503	2	J68440A 1A RDS Digroup Connector and J68435H Transmitting Access Panel — Routine In-Service and Out-of-Service Tests	<b>357-826 Surveillance Control Panel</b>		
357-313-504	2	Maintenance Patching and Spare Trunk Patching	357-826-100	1	Description
357-314-501	2	Interface Trouble Isolation Tests and Measurements for 1A RDS Long-Haul Systems	357-826-500	1	Tests and Adjustments

**Division 358****Type L1 Carrier Telephone System and Associated Equipment Components****358-0 Index, L1 Carrier — Terminals, Repeaters, Power Supplies, Overall System and B2 and C2 Television Terminals**

- 000 Indexes
- 020 Power Supply at Main and Auxiliary Repeaters
- 021 Repeater and Amplifier Power Supply
- 022 Power Line-Up
- 025 Auxiliary Repeaters
- 026 Auxiliary Repeaters — Equipment Replacements and Adjustments
- 035 Main and Terminal Repeaters and Associated Equipment
- 050 Type L1 Carrier — Equalizing Auxiliary Repeater
- 075 Type L1 Carrier — Line-Up of Over-All System
- 076 Type L1 Carrier — Flow Charts Showing Sections Involved in Line-ups
- 077 Line-Up of L Unit — Pilot Supply Not Available at Testing Office
- 078 Line-Up of L Unit
- 079 Over-All Line-Up of Supergroup, Group, and Channel Group Layouts
- 080 Terminal or Branching Point — Terminal-to-Terminal Tests
- 090 B2 and C2 Television Terminals
- 091 B2 Television Transmitting Terminal and C2 Television Receiving Terminals
- 092 B2 Television Transmitting Terminal — Line-Up Procedures
- 093 C2 Television Receiving Terminal — Line-Up Procedures
- 094 B2 and C2 Television Terminals — Trouble Location Tests
- 095 B2 Television Transmitting Terminal — Trouble Location Tests
- 096 C2 Television Receiving Terminal — Trouble Location Tests

**358-1 B3 and C3 Television Terminals**

- 100 Television Terminals

- 101 B3 Transmitting Terminal — Line-Up Procedures
- 102 C3 Receiving Terminal — Line-Up Procedures
- 103 B3 Transmitting and C3 Receiving Terminals — Trouble Location Tests
- 104 B3 Transmitting Terminal — Trouble Location Tests
- 105 C3 Receiving Terminal — Trouble Location Tests

Number	Issue	Subject
<b>358-0 Index, L1 Carrier — Terminals, Repeaters, Power Supplies, Overall System and B2 and C2 Television Terminals</b>		
<b>358-000 Indexes</b>		
358-000-000	19	Numerical Index — Division 358 — Type L1 Carrier Telephone System and Associated Equipment Components
<b>358-001 Equipment Test Lists</b>		
358-001-011	5	ETL
<b>358-010 Terminals, Repeaters and Over-all System</b>		
358-010-100	2	General Description of Over-all High-Frequency Line
358-010-101	1	Repeaters
358-010-102	1	Amplifiers
358-010-103	1	Regulators
358-010-104	1	Equalizers
358-010-105	1	Pilot Indicators
358-010-106	1	Pilot Alarm System
358-010-107	1	Line Switching Arrangements
358-010-108	1	Repeater Power Supply Arrangements
358-010-300	2	Terminals, Repeaters and Over-all System — General
358-010-301	2	Tests on Equipment Associated With the L1 System
358-010-310	1	Alarms at Main Stations
358-010-311	1	Equipment Replacements
358-010-312	1	Switching of Equipment
358-010-313	1	Removing Equipment From Service
358-010-314	2	Investigation of Operating Irregularities
358-010-315	1	Operation of Unattended Offices Using B-1 Alarm and Control System

Number	Issue	Subject
<b>358-020 Power Supply at Main and Auxiliary Repeaters</b>		
358-020-500	2	General
358-020-510	1	Looping at Auxiliary Repeaters
<b>358-021 Repeater and Amplifier Power Supply</b>		
358-021-501	2	General
358-021-502	1	Adjustment of Heater and Plate Voltages
358-021-503	1	Adjustment of Voice Frequency Repeater Power Transfer Circuit
358-021-504	1	Adjustment of 4-Volt Equalizer Thermistor Heater Supply Circuit at Equalizing Auxiliary Repeaters
358-021-505	1	Replacement of H Capacitor at Auxiliary and Main Repeaters
<b>358-022 Power Line-Up</b>		
358-022-500	2	General
358-022-501	1	Preliminary Tests and Adjustments Using 13-Type Power Units
358-022-502	1	Preliminary Tests and Adjustments Using Power Over Coaxials
358-022-503	1	Equipping Power Section With Live Loads and Adjustment of 2064 KC Pilot
358-022-504	1	Final Adjustment of Voltages
358-022-505	1	Adjustment of Power Loading
<b>358-025 Auxiliary Repeaters</b>		
358-025-500	2	General
358-025-501	1	Voltage and Current Measurements
358-025-502	1	Measurement of 2064 KC Pilot
Addendum	1	
358-025-503	1	Adjustment of Automatic Regulators
358-025-504	1	Adjustment of Double Manual Gain Control Units or Manual Regulators
Addendum	1	
358-025-505	1	Amplifiers — 3096 KC Activity Test
358-025-506	1	Automatic Regulators — Activity Test

Number	Issue	Subject
<b>358-026 Auxiliary Repeaters — Equipment Replacements and Adjustments</b>		
358-026-501	1	Repeater Panel — Installation
358-026-502	1	Adjustment of Building-Out Capacitors
358-026-503	1	Repeater Panel — Removal
358-026-504	2	Replacement of Automatic and Manual Regulators
358-026-505	1	Replacement of Double Manual Gain Control Units
358-026-506	2	Replacement of Amplifiers
358-026-507	1	Pilot Alarm Units — Replacement and Check of Operation
<b>358-035 Main and Terminal Repeaters and Associated Equipment</b>		
Addendum	4	
358-035-500	4	Type L1 Repeater and Associated Equipment at Main and Terminal Repeaters
358-035-800	1	Replacing Relays in Line Switch Panel
<b>358-050 Type L1 Carrier — Equalizing Auxiliary Repeater</b>		
358-050-500	3	Equalizing Auxiliary Repeater
<b>358-075 Type L1 Carrier — Line-Up Of Over-All System</b>		
358-075-500	2	General
358-075-501	2	High-Frequency Line — Tests and Adjustments
<b>358-076 Type L1 Carrier — Flow Charts Showing Sections Involved in Line-Ups</b>		
358-076-501	1	L Unit Equipped With A Equalizers Only
358-076-502	1	L Unit Equipped With A and B Equalizers
358-076-503	1	L Units in Tandem Equalized by Single B Equalizer

Number	Issue	Subject	Number	Issue	Subject
<b>358-077 Line-Up of L Unit — Pilot Supply Not Available at Testing Office</b>			358-078-516	1	Measurement of Received Line Pilots at WKG or SP LINE OUT Jacks — Terminal or Switching Main Repeater
358-077-501	1	Line Pilots Furnished From Remote Office Using Spare L Unit	358-078-517	1	Over-All Check of Pilot Alarm System
358-077-502	1	Line Pilots Furnished From Remote Office Using Released Television Facilities	Addendum	1	
<b>358-078 Line-up of L Unit</b>			358-078-518	1	Type L1 Carrier — Test and Adjustment of 219B Phase Build-Out Equalizer
358-078-501	1	Check of A Equalizer Thermistor Oven and Battery Supply Circuit	<b>358-079 Over-All Line-Up of Supergroup, Group, and Channel Group Layouts</b>		
358-078-502	1	Preliminary Adjustment of A Equalizer at Main Repeaters for Initial Line-Ups	358-079-501	2	Terminal-to-Terminal Tests and Adjustments
358-078-503	1	Procedure at Equalizing Auxiliary Repeater	358-079-502	2	Flow Chart Showing Sections Involved in Line-Up of L Carrier Group Layout and Channel
358-078-504	1	Procedure at Nonswitching Main Repeater	358-079-503	1	L1 Carrier Overall System Modulation Tests
358-078-505	1	Measurement of Thermistor Heater Voltage	<b>358-080 Terminal or Branching Point — Terminal-to-Terminal Tests</b>		
358-078-506	1	Typical Testing Connections for Multiline Manual Switching Arrangements	358-080-506	2	Channel Net Gain Measurement and Adjustment
358-078-507	1	Adjustment of A1 (316A) Equalizer	358-080-508	2	Terminal-to-Terminal Tests L1 Carrier — Terminal Level Measurements
358-078-508	1	Terminal or Switching Main Repeater — Procedure for L Unit Equipped with A Equalizers Only	<b>358-090 B2 and C2 Television Terminals</b>		
358-078-509	1	Nick Equalization Adjustments — L Unit Equipped With A and B Equalizers — Terminal or Switching Main Repeater	358-090-100	1	B2 and C2 Television Terminals
358-078-510	1	Procedure for L Unit Equipped With A and B Equalizers — Terminal or Switching Main Repeater	358-090-125	1	B2 and C2 — J68802N Test Oscillator
358-078-511	1	Over-All Line-Up of L Units in Tandem Equalized by Single B Equalizer	358-090-500	2	B2 Transmitting Terminal — C2 Receiving Terminal
358-078-512	1	Check of Calibration Settings of 2800 Fine Frequency Controls of A Equalizer	<b>358-091 B2 Television Transmitting Terminal and C2 Television Receiving Terminals</b>		
358-078-513	1	Loss Change Produced by Controls of A Equalizer	358-091-500	2	Line-Up Procedures
358-078-514	1	Loss Change Produced by Controls of B Equalizer	358-091-501	1	Electron Tube Tests
358-078-515	1	Basic Loss Characteristics of A Equalizer	358-091-502	1	Power Supply Tests and Adjustments

Number	Issue	Subject
<b>358-092 B2 Television Transmitting Terminal — Line-Up Procedures</b>		
358-092-500	2	General
358-092-501	1	Modulator Carrier Oscillator Levels
358-092-502	1	First Modulator Carrier Balance
358-092-503	1	Second Modulator Carrier Balance
358-092-504	1	Gain Adjustment
358-092-505	1	Excess Carrier Adjustment
358-092-506	1	622-kc Modulation Product
358-092-507	1	Frequency Characteristic
358-092-508	1	Normal Operating Arrangement
<b>358-093 C2 Television Receiving Terminal — Line-Up Procedures</b>		
358-093-500	2	General
358-093-501	1	Demodulator Carrier Oscillator Level
358-093-502	1	Gain Adjustment
358-093-503	1	Demodulator Carrier Balance
358-093-504	1	Frequency Characteristic
358-093-505	1	Normal Operating Arrangement
<b>358-094 B2 and C2 Television Terminals — Trouble Location Tests</b>		
358-094-500	2	General
358-094-501	1	Line Frequency Amplifier — Frequency Characteristic
358-094-502	1	Line Frequency Amplifier — Overload Test
358-094-503	1	Line Frequency Amplifier — Harmonic Generation or Modulation Test
358-094-504	1	Terminal Back-to-Back Test
<b>358-095 B2 Television Transmitting Terminal — Trouble Location Tests</b>		
358-095-500	2	General
358-095-501	1	Modulator Transmission Tests
358-095-502	1	500C Filter — Frequency Characteristic

Number	Issue	Subject
<b>358-096 C2 Television Receiving Terminal — Trouble Location Tests</b>		
358-096-500	2	General
358-096-501	1	8256-kc Band-Elimination Filter Test
358-096-502	1	Demodulator Transmission — Frequency Characteristic
358-096-503	1	Detector-Amplifier Transmission — Detector Measurements
358-096-504	1	Detector-Amplifier Transmission — Amplifier Measurements
358-096-505	1	Detector-Amplifier Transmission — Clamper Amplifier Section
358-096-506	1	Pilot Elimination Filter
358-096-507	1	500D Filter — Transmission Frequency Characteristic
358-096-508	1	Restorer — Transmission Frequency Characteristic

**358-1 B3 and C3 Television Terminals****358-100 Television Terminals**

Number	Issue	Subject
358-100-100	1	B3 and C3
358-100-500	2	B3 Transmitting Terminal — C3 Receiving Terminal

**358-101 B3 Transmitting Terminal — Line-Up Procedures**

Number	Issue	Subject
358-101-500	2	General
358-101-501	1	Electron Tube Tests and Power Supply Tests and Adjustments
358-101-502	1	Modulator Carrier Oscillator Levels
358-101-503	1	First Modulator Carrier Balance — Luminance Channel
358-101-504	2	Second Modulator Carrier Balance — Luminance Channel
358-101-505	1	Gain Adjustment — Luminance and Chrominance Channels
358-101-506	2	Excess Carrier Adjustment — Luminance Channel
358-101-507	1	622-kc Modulation Product — Luminance Channel
358-101-508	2	Frequency Characteristic — Luminance and Chrominance Channels



Number	Issue	Subject	Number	Issue	Subject
358-101-509	2	Automatic Switch Operation Test	358-104-504	1	557A Low-Pass Filter — Frequency Characteristic
358-101-510	1	Normal Operating Arrangement	358-104-505	1	557B Bandpass Filter — Frequency Characteristic
<b>358-102 C3 Receiving Terminal — Line-Up Procedures</b>			<b>358-105 C3 Receiving Terminal — Trouble Location Tests</b>		
358-102-500	2	General	358-105-500	2	General
358-102-501	1	Electron Tube Tests and Power Supply Tests and Adjustments	358-105-501	1	8256-kc Band-Elimination Filter Test — Luminance Channel
358-102-502	1	Demodulator and Modulator Carrier Oscillator Levels	358-105-502	2	Demodulator Frequency Characteristic — Luminance Channel
358-102-503	4	Gain Adjustment — Luminance and Chrominance Channels	358-105-503	1	Detector-Amplifier Frequency Characteristic — Luminance Channel Detector Measurements
358-102-504	1	Demodulator Carrier Balance — Luminance Channel	358-105-504	1	Detector-Amplifier Frequency Characteristic — Luminance Channel Amplifier Measurements
358-102-505	2	Frequency Characteristic — Luminance and Chrominance Channels	358-105-505	1	Detector-Amplifier Frequency Characteristic — Luminance Channel Clamper-Amplifier Section
358-102-506	2	Automatic Switch Operation	358-105-506	2	Output Mixing Amplifier Frequency Characteristic — Luminance and Chrominance Channels
358-102-507	1	Normal Operating Arrangement	358-105-507	2	Output Mixing Amplifier — Differential Gain and Phase
<b>358-103 B3 Transmitting and C3 Receiving Terminals — Trouble Location Tests</b>			358-105-508	2	Pilot-Elimination Filter — Luminance Channel
358-103-500	2	General	358-105-509	1	500D Filter Frequency Characteristic — Luminance Channel
358-103-501	2	6.192-mc Carrier Supply — Chrominance Channel	358-105-510	2	Restorer Frequency Characteristic — Luminance Channel
358-103-502	1	3.6-mc Amplifier — Frequency Characteristic	358-105-511	1	557C Low-Pass Filter Frequency Characteristic — Luminance Channel
358-103-503	1	Modulator Transmission Loss — Chrominance Channel	358-105-512	1	557C Bandpass Filter Frequency Characteristic — Chrominance Channel
358-103-504	1	Line Frequency Amplifier — Frequency Characteristic			
358-103-505	1	Line Frequency Amplifier — Overload Test			
358-103-506	1	Line Frequency Amplifier — Harmonic Generation or Modulation Test			
358-103-507	1	Terminal Back-to-Back Test			
<b>358-104 B3 Transmitting Terminal — Trouble Location Tests</b>					
358-104-500	2	General			
358-104-501	1	Modulator Transmission Tests — Luminance Channel			
358-104-502	1	Input Bridging Amplifier — Chrominance Channel			
358-104-503	1	500C Filter — Frequency Characteristic			

**Division 359**

**L3, L4, L4S, L5, and L5E Carrier**

**359-0 Indexes, Equipment Test List, and L3 Carrier**

**359-1 Common Equipment**

**359-2 L4 and L4S Carrier**

**359-3 L5 and L5E Carrier**

Number	Issue	Subject
<b>359-0 Indexes, Equipment Test List, and L3 Carrier</b>		
<b>359-000 Indexes</b>		
359-000-000	39	Numerical Index — Division 359 — L3, L4, L4S, L5, and L5E Carrier

**359-001 Equipment Test List**

359-001-011	11	Analog Carrier
359-001-012	1	L Carrier Common — Analog Carrier
359-001-013	1	L4 and L4S Carrier — Analog Carrier
359-001-014	1	L5 and L5E Carrier — Analog Carrier

**359-010/090 Type L3 Carrier — Terminals, Repeaters, and Overall System**

Description	Issue	Subject
359-010-100	5	Overall System
Addendum	1	
359-010-105	6	Description
Addendum	2	
359-010-110	1	Amplifiers
359-010-115	3	Regulators, Equalizers, Pilot Indicators and Alarms
359-010-120	5	Repeater Power Supply
359-010-130	2	Line Connecting Arrangements
359-010-131	1	Line Connecting Arrangements — Associated Drawings
359-010-135	1	Pearl Line Arrangements
359-010-136	1	Pearl Terminal Arrangements

Number	Issue	Subject
<b>Tests</b>		
359-010-300	2	General
359-010-301	2	Tests on Equipment Associated with the Type L3 Carrier System
359-010-303	5	Initial Tests — Terminal, Line Connecting, Line Switching and Television Equipment
359-010-304	3	Initial Line-Up Procedures — Power, Pilot and Over-All Tests

**359-020 Main and Auxiliary Repeater Power Supplies**

359-020-500	3	General Testing Considerations
Addendum	1	
359-020-511	3	Pilot and Power Line-up — For PS1 and PS2 Power Systems
359-020-512	3	Power Loading Adjustment — L3 Power Section — PS1 Power System — Line Loading Not Computed
359-020-513	5	J68447A Power Control Bay — Power Turndown and Power Turnup Operation
359-020-514	4	Auxiliary Repeater Power Supplies
359-020-515	3	Equalizing Auxiliary Repeater Power Supplies
359-020-516	3	Terminal Main Repeater Power Supplies (Constant Current Feed)
359-020-517	2	Main and Terminal Repeater Power Supplies (Constant Voltage Feed)
359-020-518	2	Associated Power Supplies

**359-025 Auxiliary Repeaters**

359-025-500	6	PS1 and PS2 Power Systems — Equipment Unit Replacement Procedures
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**359-035 Main Repeaters**

359-035-505	5	L3 Carrier — Repeater and Associated Equipment at Main Repeaters — Maintenance Procedures
359-035-506	3	Cross-Coupling Test — L3 Coaxial Carrier System

Number	Issue	Subject	Number	Issue	Subject
<b>359-060 PEARL Line Adjustments</b>			<b>359-1 Common Equipment</b>		
359-060-500	4	Line Adjustments	<b>359-100 J68820 Automatic Line Switching</b>		
359-060-501	4	Measurements at Main Repeaters	<b>Tests</b>		
<b>359-075/080 Lineup of Overall System</b>			359-100-100	3	Description
<b>359-075 Overall System</b>			359-100-500	3	General Test Information
359-075-301	2	L3 Carrier — Line Removal From and Restoral to Service	359-100-501	2	Removal and Replacement of Coaxial Switches
<b>359-076 Gain Equalization of an L3 Unit</b>			359-100-502	3	Switching Signal Oscillator
359-076-500	3	Tests	359-100-503	4	Expander and Trigger Circuit
<b>359-077 Delay Distortion Equalization of an L3 Unit</b>			359-100-504	2	Switching Signal Amplifier
359-077-500	1	General	359-100-505	3	Detector Circuits
359-077-501	2	DEL BO (475A) and Slope EQ (226L) Adjustment at Switching and Terminal Main Repeaters Equipped with 6-Pilot Regulation	359-100-506	5	L3 and L4 Carrier — Common Equipment — J68820 Automatic Line Switching — Tests — Receiving Switch Operation
359-077-502	1	Adjustment of TV EQ A, TV DROP EQ A, (336A) Gain and Delay Mop-Up Equalizer	359-100-507	3	Transmitting Switch Operation
359-077-503	1	Adjustment at Switching Main and Terminal Repeaters Slope EQ (226L) Adjustment	359-100-508	3	Manual Operations
<b>359-078 Over-All System Tests — Terminal to Terminal</b>			359-100-509	2	Switching Signal Level Adjustments
359-078-500	2	General	359-100-510	5	Level Compensation Circuit (L4)
359-078-501	1	308 KC Synchronizing Frequency Amplifier Output Check	359-100-511	2	Switching Signal Phase Correction
359-078-502	1	Check of Synchronization of 4-KC Frequency Supply Circuits	<b>359-2 L4 and L4S Carrier</b>		
<b>359-080 Frequency Charts</b>			<b>359-200 Overall System</b>		
359-080-501	4	Frequency Charts and Level Diagrams	<b>Description</b>		
<b>359-090 T3 and R3 Television Terminals</b>			359-200-100	3	General
359-090-100	3	Description	359-200-101	2	Line Repeaters
Addendum	1		359-200-102	2	Main Station Transmission
359-090-500	5	Maintenance	359-200-104	4	Line Connecting Circuits
			359-200-105	4	Remote Control System
			<b>Initial Installation</b>		
			359-200-201	3	Basic Repeater Selection
			<b>Tests</b>		
			359-200-500	2	Maintenance Considerations
			359-200-501	4	Line Section Acceptance and Alignment
			359-200-502	1	Trouble Analysis Using Remote Control System
			359-200-503	3	Monitoring Oscillator Reference Power Adjustment
			359-200-504	2	Fault Location Using L4 Line Power Supplies

Number	Issue	Subject	Number	Issue	Subject
359-200-505	4	Equalization Procedures	359-215-503	3	Line Branching Circuit
359-200-506	2	Noise Loading	359-215-504	7	Transmitting MMX-2 Connecting Circuit
359-200-507	3	Intermodulation Noise	359-215-505	4	Mastergroup Blocking Circuit
<b>Frequency Charts</b>			359-215-506	3	512-kHz Pilot Stabilization and Distribution Circuit
359-200-520	4	Frequency Charts and Level Diagrams	359-215-507	4	11.648-MHz Pilot Generator and Distribution Circuit
<b>359-205 Repeaters</b>			359-215-509	5	Line Pilot Insertion
<b>Maintenance</b>			359-215-510	4	Transmitting Line Amplifier
359-205-301	4	Replacement Procedures at Main Stations	359-215-511	2	Synchronization Receiving Circuits
<b>Tests</b>			359-215-512	5	Line Pilot Indicator Circuit
Addendum	1		359-215-513	2	Receiving Amplifier
359-205-500	2	General Maintenance and Test Information	<b>359-220 Remote Control System</b>		
359-205-501	2	At Basic Repeater Location	<b>Operation</b>		
359-205-502	2	At Regulating Repeater Location	359-220-300	4	Method of Operation
359-205-503	4	Equalizing Repeater Location	<b>Tests</b>		
359-205-504	5	In-Service Main Station Equipment	359-220-500	1	General
359-205-505	4	J68877AA Basic Repeater — L4 Carrier	359-220-501	2	DC Logic
Addendum	1		359-220-502	3	Control Center Command Signals
359-205-506	5	Regulating Repeater J68877AB	359-220-503	5	Control Center Receiving Circuit
Addendum	1		359-220-504	3	Control System and Loopback Circuits
359-205-507	3	J68877AC Regulating Repeater	<b>359-230 L4S System</b>		
359-205-508	5	Transmitting Repeater J68877AM	<b>Description</b>		
359-205-509	5	Receiving Repeater J68877AN	359-230-100	1	General
359-205-510	2	Monitoring Oscillator Assembly — Frequency and Output Power	359-230-101	1	Line Repeaters
359-205-511	6	Equalizing Repeater Equipment Units	359-230-102	1	Main Station Transmission
359-205-512	1	Manual A Equalizer J68877EJ	359-230-103	1	Line Connecting Circuits
<b>359-215 Line Connecting Equipment</b>			<b>Operation</b>		
<b>Tests</b>			359-230-300	1	Operating Procedures
359-215-501	6	Receiving Circuits	<b>Tests</b>		
359-215-502	6	Receiving MMX-2 Connecting Circuit	359-230-500	1	Maintenance Considerations
			359-230-501	2	Equalization Procedure

Number	Issue	Subject	Number	Issue	Subject
<b>359-3 L5 and L5E Carrier</b>			<b>Tests</b>		
<b>359-300 Overall System</b>			359-300-500	2	Maintenance Considerations
<b>Description</b>			359-300-510	1	Transmission Surveillance System — Cable — Computer and Peripherals (Punched Paper Tape Diagnostics) — Maintenance
359-300-100	2	General	359-300-520	2	L5/L5E Carrier Frequency Charts
359-300-101	2	Line Repeaters	359-300-521	1	Transmission Level Diagram
359-300-102	2	Main Station Repeaters and Equalizers — Description and Operation	<b>Task Oriented Practices</b>		
359-300-103	2	Line Protection Switching System 3	▲359-370-000	2	L5/L5E Carrier System — Line Repeater Units — Pre-Installation Tests and Alignments
359-300-104	3	Main Station Line Connecting Circuits — Description and Operation — L5/L5E Carrier	▲359-372-001	1	L5E Main Station T/R Bays — L5/L5E Carrier System
359-300-105	2	Transmission Surveillance System — Cable	▲359-373-000	1	Line Protection Switching System 3 (LPSS-3) L5/L5E Carrier System
359-300-106	2	Centralized Order Wire Bay	▲359-375-001	2	L5E Carrier System — Line Switching Section — Acceptance and Alignment
359-300-107	2	Transmission Surveillance System (TSS) — General Administrative Procedures	▲359-377-000	1	L5/L5E Carrier System — Transmission and Surveillance Auxiliary
359-300-108	2	Portable Line Pilot Generator — J68919BK, L2 — Description, Operation, and Maintenance	▲359-381-000	1	L5/L5E Carrier System — Transmission Surveillance Center Bay Equipment
<b>Operation</b>					
359-300-300	1	L5/E2 Alarm Analysis			
359-300-301	1	L5E/E2 Alarm Analysis			
359-300-310	1	Transmission Surveillance System — Computer and Peripherals (Disc System) — General Operation			
359-300-311	2	Transmission Surveillance System (TSS) — Computer and Peripherals (Disk System) — Data Base Management — L5/L5E Carrier			
359-300-312	1	L5/L5E Carrier — Transmission Surveillance System — Cable — Application Programs			

**Division 360**

**Maintenance Center Tests Equipment Components  
Type L1 and Type L3  
Carrier Telephone Systems**

**360-0 Indexes, Equipment Test Lists, L1 Maintenance  
Center Test Equipment and Procedures**

**360-1 L3 Maintenance Center**

Number	Issue	Subject
<b>360-0 Indexes, Equipment Test Lists, L1 Maintenance Center Test Equipment and Procedures</b>		
<b>360-000 Indexes</b>		
360-000-000	10	Numerical Index — Division 360 — Maintenance Center Tests — Equipment Components — Type L1 and Type L3 Carrier Tele- phone Systems
<b>360-001 Equipment Test Lists</b>		
360-001-011	1	Maintenance Center Tests — Equipment Components — Type L1 and Type L3 Carrier Tele- phone Systems
<b>360-010 L1 Maintenance Centers — Test Equipment</b>		
360-010-105	2	Regulator Repair and Repeater Test Provisions
360-010-110	1	24-Type Oscillators
360-010-115	1	3A and 3B Amplifier-Detectors
<b>360-020 Reconditioning of Type L1 Carrier Equipment Components</b>		
360-020-300	2	Tests and Maintenance Center
<b>360-025/034 Regulator Repair and Repeater Tests at L1 Maintenance Centers</b>		
<b>360-025 General Considerations — Regulators</b>		
360-025-500	2	Test Circuit Preparation — Elec- tron Tube Tests and Adjustment of Pilot Frequency Test Power

Number	Issue	Subject
<b>360-026 Repair of J68806A, B and D Regulators</b>		
360-026-501	2	J68806A, B and D regulators for Main and Terminal Stations
360-026-502	1	Adjustment of Voltage and Regu- lator Tuning
360-026-503	1	Oscillator Adjustment
360-026-504	1	Operational Tests With SENS Switch in TR Position
360-026-505	1	Regulation Range
360-026-506	1	Activity and Tap Tests
<b>360-027 Repair of J68806CA Regulators</b>		
360-027-501	2	J68806CA Regulators for Main and Terminal Stations
360-027-502	1	Adjustment of Voltage and Regu- lator Tuning
360-027-503	1	Oscillator Adjustment
360-027-504	1	Regulation Range
360-027-505	1	Activity and Tap Tests
<b>360-028 Repair of J68806C Regulators</b>		
360-028-501	2	J68806C Regulators for Use at Auxiliary Repeater Stations
360-028-502	1	Adjustment of Voltages and Re- gulator Tuning
360-028-503	1	Oscillator Adjustment
360-028-504	1	Regulation Range
360-028-505	1	Activity and Tap Tests
<b>360-029 Repair of D Specification Regulators</b>		
360-029-501	2	D-158408, D-160325 and D- 160683 Regulators
360-029-502	1	Electron Tube Tests and Adjust- ment of Voltages
360-029-503	1	Regulator Tuning
360-029-504	1	Oscillator Adjustment
360-029-505	1	Regulation Range
360-029-506	1	Operational Tests With SENS Switch in TR Position
360-029-507	1	Activity and Tap Tests
360-029-508	1	Neutralization
<b>360-030 Manual Gain Control</b>		
360-030-501	1	Test of Units

Number	Issue	Subject	Number	Issue	Subject
<b>360-031 Manual Regulators</b>			<b>360-034 Pilot Alarm Units</b>		
360-031-501	1	Test of Units	360-034-501	1	Test of Operation
<b>360-032 Test of Amplifiers</b>			<b>360-1 L3 Maintenance Center</b>		
360-032-501	2	Amplifiers	<b>360-110 Test Equipment</b>		
360-032-502	1	Test Set Calibration and BOC Adjustment	360-110-105	4	Provisions for Test of Amplifiers and Repair of Regulators
360-032-503	1	Test Circuit Preparation	<b>360-120 Reconditioning of Type L3 Carrier Equipment Components</b>		
360-032-504	1	Insulation Resistance of Plate Circuit	360-120-300	2	Tests and Maintenance Center
360-032-505	2	Heater Current and Plate Current Measurements	<b>360-125 Amplifiers and Regulators</b>		
Addendum	1		Addendum	1	
360-032-506	1	Gain and Activity of Regulating Amplifiers	360-125-501	6	Test of Amplifiers and Regulators
360-032-507	2	Gain and Activity of Nonregulating Amplifiers			
<b>360-033 Auxiliary Repeater Panels</b>					
360-033-501	2	Auxiliary Repeater Panels			
360-033-502	1	Direct Current and Inspection Tests			
360-033-503	1	Power Supply Measurements			
360-033-504	1	Test Circuit Preparation for Loss Measurements			
360-033-505	1	Loss Measurements — Output PSF Plus BOC OUT			
360-033-506	1	Loss Measurements — Input PSF Plus Basic Equalizer Plus BOC IN			
360-033-507	1	Loss Measurements — Input PSF			
360-033-508	1	Loss Measurements — Basic Equalizer			
360-033-509	1	Adjustment of Building-Out Capacitors			
360-033-510	1	Loss Measurements — Line Building-Out Networks			

**Division 361**

**Service Center Tests Type N, O, and ON  
Carrier Systems**

**361-0 Indexes, Equipment Test Lists and General Information**

**361-1 Channel Units**

**361-2 Group Equipment**

**361-3 Repeaters**

**361-4 Filters**

**361-5 Deviation Regulators**

**361-6 Switching Sets**

Number	Issue	Subject
<b>361-0 Indexes, Equipment Test Lists and General Information</b>		

**361-000 Index**

361-000-000	11	Numerical Index — Division 361 — Service Center Tests — Type N, O and ON Carrier Systems
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**361-001 Equipment Test Lists**

361-001-011	3	ETL
Addendum	2	
361-001-100	2	J98705U (5U) Test Set — Description
361-001-500	4	General

**361-1 Channel Units**

**361-100/111 Channel Unit Tests**

361-100-500	6	J98703F and J98703FA Channel Unit (N)
361-101-500	2	J98703D Channel Unit (O)
361-102-500	3	J98703AH and J98703AF Thru Channel Units (N, O)
361-103-500	2	J98703W Schedule A and B Program Channel Units (N)

Number	Issue	Subject
361-104-500	2	J98703Y Schedule A and B Program Reversing Units (N)
361-105-500	3	J98703TA Schedule C and D Program Channel Units (N)
361-106-500	1	J98705AT Schedule C and D Program Channel Units (O)
361-107-500	3	J98703AM and J98705AP Special Service Channel Units
361-108-500	2	J98703AP Channel Unit Without Signaling (N)
361-109-500	1	J98705BP Channel Unit Without Signaling (N)
361-110-500	1	J98705AS Channel Unit Without Signaling (O)
361-111-500	3	J98705E Twin Channel Carrier Circuit (O)

**361-120/124 Carrier Frequency Subassembly Tests**

Addendum	1	
361-120-500	3	J98703F Channel Unit (N)
Addendum	1	
361-121-500	3	J98703FA Message, J98703TA Program and J98703AH Thru Channel Units (N)
361-122-500	2	J98705D Message and J98705AF Thru Channel Units (O)
361-123-500	2	J98703W Schedule A and B Program Channel Units (N)
361-124-500	1	J98705AT Schedule C and D Program Channel Unit (O)

**361-130/132 Voice Frequency Subassembly Tests**

361-130-500	2	Thru Channel Unit (N, O)
361-131-500	2	J98703W Schedule A and B Program Channel Units (N)
361-132-500	2	J98703AM and J98705AP Special Services Channel Unit (N, O)

**361-140/143 Expander — Signaling Subassembly Tests**

361-140-500	2	General (N, O)
361-141-500	2	J98703TA Schedule C and D Channel Units (N)
361-142-500	1	J98705TA Schedule C and D Program Units (O)



Number	Issue	Subject	Number	Issue	Subject
361-143-500	1	J98703AP and J98705AS Channel Units Without Signaling (N, O)	<b>361-230/232 96 Channel Multiplex Units</b>		
<b>361-150/152 Compressor Subassembly Tests</b>			361-230-500	1	J98706AA Receiving Amplifier and Demodulator Unit
361-150-500	2	General (N, O)	361-231-500	1	J98706AB Transmitting Amplifier and Modulator Unit
361-151-500	2	J98703TA Schedule C and D Program Channel Units (N)	361-232-500	1	J98706AC Power Supply and Alarm Unit
361-152-500	1	J98705AT Schedule C and D Program Units (O)	<b>361-3 Repeaters</b>		
<b>361-2 Group Equipment</b>			<b>361-300/306 Repeater Tests</b>		
<b>361-200 Group Oscillator</b>			361-300-500	4	J98703L, LA, M, MA Repeaters (N)
361-200-500	2	J98705H Group Oscillator Circuit (O)	361-301-500	2	J98703LB and J98703MB Transistorized NIA Repeaters
<b>361-205/208 Group Transmitter</b>			Addendum	1	
361-205-500	2	J98703H Low Group Transmitter (N)	361-302-500	2	J98706C, D, E and F Repeaters (ON)
361-206-500	2	J98703G High Group Transmitter (N)	361-303-500	3	J98706CA, DA, EA, FA, J and K Repeaters (ON)
361-207-500	2	J98705AB Group Transmitting Circuit (O)	361-304-500	2	J98705AC Repeater Amplifier Circuit (O)
361-208-500	2	J98705F Group Transmitting Circuit (O)	361-305-500	2	J98705J and J98705W Repeater Oscillator and Miscellaneous Oscillator Circuits (O)
<b>361-210/213 Group Receiver</b>			<b>361-4 Filters</b>		
361-210-500	2	J98703K Low Group Receiver (N)	<b>361-400 Filter Tests</b>		
361-211-500	2	J98703J High Group Receiver (N)	361-400-500	2	529A and B, 530A through H, 530J through 530L, 530P or 531B, 530R or 531C and 531F Filters
361-212-500	2	J98705AA Group Receiving Circuit (O)	<b>361-5 Deviation Regulators</b>		
361-213-500	2	J98705G Group Receiving (O)	<b>361-500/501 Deviation Regulator Tests</b>		
<b>361-220/225 ON/K Units</b>			361-500-500	2	J98703AC Deviation Regulator — J98703AD Control Unit Tests
361-220-500	1	J98709C Transmitting Amplifier Circuit	361-501-500	2	J98703AC Deviation Regulator — J98703AE Amplifier Unit Tests
361-225-500	1	J98709B Receiving Amplifier Circuit			

Number	Issue	Subject
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**361-6 Switching Sets**

**361-600/601 Switching Set Tests**

361-600-500	2	J94002N Group Unit Switching Set
361-601-500	2	J94002M Repeater Switching Set

**Division 362**

**Type N, O, and ON Carrier Telephone Systems and Associated Equipment Components**

- 362-0 Index, Equipment Test List, and N1 System Terminal Equipment
- 362-1 Type O and ON Carrier Telephone Systems — Terminals and Junctions
- 362-2 Type O Carrier Telephone System — Repeaters
- 362-3 Type N1, O, and ON Carrier Telephone Systems — Overall Channel Lineup
- 362-4 N and ON Repeaters — Repeated High-Frequency Lines
- 362-5 Type N and ON2 Carrier — Deviation Regulator and Adjustable Deviation Equalizer
- 362-6 Type ON/K Carrier — Repeated High-Frequency Line
- 362-7 ON/Radio System — Radio Multiplex Points
- 362-8 N2 Carrier Telephone System
- 362-9 N3 and N4 Carrier Telephone System — Terminal Equipment

Number	Issue	Subject
<b>362-0 Index, Equipment Test List, and N1 System Terminal Equipment</b>		
362-000-000	68	Numerical Index — Division 362 — Type N, O, and ON Carrier Telephone Systems and Associated Equipment Components
362-001-011	14	N1 Carrier — Analog Carrier
362-001-012	6	N2 Carrier — Analog Carrier
362-001-013	3	N3 Carrier
362-001-014	6	O, ON, O-H, ON-H Carrier System — Analog Carrier
362-001-015	2	N4 Carrier — Analog Carrier

Number	Issue	Subject
<b>362-010 Type N1 Carrier Telephone System — General Information — Overall System</b>		
Addendum	1	
362-010-100	5	Description — Overall System
362-010-150	1	Description — Order Wire and Alarm Facilities
362-010-300	1	Initial Line-Up and Maintenance Tests
Addendum	1	
362-010-501	1	Order-Wire and Alarm Facilities — Lineup and Maintenance
<b>362-011 Type N1 Carrier Telephone System — Terminal Equipment</b>		
362-011-105	4	Description — Channel Units, Terminals Mounting, and Shop-Wired Bays
362-011-110	4	Type N1, N1-H Carrier Telephone System — Description — Transmitting and Receiving Group Units
Addendum	1	
362-011-300	3	Initial Line-Up and Maintenance Tests
Addendum	1	
362-011-500	3	Maintenance Considerations
<b>362-015 Type N1 Carrier Telephone System — Preliminary Tests</b>		
362-015-501	2	Check of Local Cabling, Span Pads, Artificial Lines, Slope Networks and Noise Control Units
362-015-502	4	N1 and N1-H Repeated Systems — Adjustment of Power Supply and Sealing Current to Adjacent Repeaters
362-015-515	4	Transistorized Repeated Systems — Adjustment of Power Supply and Sealing Current to Adjacent Repeaters
Addendum	2	
362-015-525	2	Modification of Channel Units for Improved Transmission
362-015-526	2	Modification Procedure for N1-H Operation

Number	Issue	Subject
<b>362-020 Type N1 Carrier Telephone System — Tests and Adjustments — General</b>		
362-020-501	3	Heater Supply Voltage Adjustment
Addendum	1	
362-020-502	2	Electron Tube Cathode Activity Measurements
362-020-503	3	Check of Alarm Operation
Addendum	1	
362-020-510	1	Initial Lineup and Maintenance Tests
<b>362-025 Type N1 Carrier Telephone System — Channel Unit Lineup — Transmitting</b>		
362-025-501	5	Channel Carrier Output, Carrier-Frequency, and Carrier Leak Tests
362-025-502	5	Compressor Tests and Adjustments
<b>362-030 Type N1 Carrier Telephone System — Channel Unit Lineup — Receiving</b>		
362-030-501	3	Measurement of Individual Channel Carrier at the R1 Jacks and Channel Regulator and Demodulator Output Tests and Adjustments
<b>362-035 Type N1 Carrier Telephone System — Group Unit Lineup — Transmitting</b>		
362-035-501	3	3700-Hz Oscillator Output
362-035-502	5	Total Carrier Power Output
362-035-503	2	Measurement of Slope, Bulge, Cubic, and Quartic Distortion
<b>362-040 Type N1 Carrier Telephone System — Group Unit Lineup — Receiving</b>		
362-040-501	2	Total Carrier Power Output
362-040-502	8	Group Receiving Units — Measurements of Slope, Bulge, Cubic, and Quartic Distortion

Number	Issue	Subject
<b>362-045 Type N1 Carrier Telephone System — Group Switching</b>		
362-045-501	1	Switching Group Units With the 2N Switching Set
<b>362-1 Type O and ON Carrier Telephone Systems — Terminals and Junctions</b>		
<b>362-100 General Information — Overall System</b>		
362-100-100	4	Description — Type O1 Carrier Telephone System
362-100-150	5	Description — Type ON1 and ON2 Carrier Telephone Systems
<b>362-101 General Information — Terminals and Junctions</b>		
362-101-300	3	Initial Lineup, Maintenance Tests, and Periodicity Table
362-101-500	4	Maintenance Considerations
<b>362-105 Preliminary Tests</b>		
Addendum	1	
362-105-501	3	Preparation and Placement of Terminal Units
Addendum	1	
362-105-502	2	Preparation and Placement of ON1 Junction
362-105-503	4	Check of Alarm Operation
362-105-504	2	Modification Procedure for O-H and ON-H Operation
<b>362-110 Tests and Adjustments — General</b>		
362-110-501	2	Heater Supply Voltage Adjustment — Terminals
362-110-502	1	Heater Supply Voltage Adjustment — Junctions
362-110-503	3	Terminal and Junction Tube Tests
Addendum	1	
362-110-510	1	Summary Charts — Lineup, Maintenance, and Troubleshooting

Number	Issue	Subject	Number	Issue	Subject
<b>362-115 Channel Unit Lineup — Transmitting</b>			<b>362-2 Type O Carrier Telephone System — Repeaters</b>		
362-115-501	5	Compressor Output	<b>362-200 General Information</b>		
362-115-502	5	Message Output — Signaling Output and Carrier Leak	362-200-300	1	Initial Line-Up and Maintenance Tests
<b>362-120 Twin Channel Unit Lineup — Transmitting</b>			362-200-500	1	Maintenance Considerations
362-120-501	2	Transmitting Carrier Output and Frequency	<b>362-205 Preliminary Tests</b>		
<b>362-125 Twin Channel Unit Lineup — Receiving</b>			362-205-501	1	Preparation and Placement of Repeaters
362-125-501	3	Receiving Regulator Adjustment, Received Carrier Frequency Test, and ON2 Failure Alarm Circuit Adjustment	362-205-502	2	O Repeaters — Modification Procedures for O-H Operation
<b>362-130 Group Unit Lineup — Transmitting</b>			<b>362-210 Tests and Adjustments — General</b>		
362-130-501	6	Oscillator Unit — Group and 3700-Hz Oscillators	362-210-501	2	Heater Supply Voltage Adjustment and Electron Tube Tests
362-130-502	6	O and ON Group Transmitting Units—Terminal Alignment and Maintenance Tests	362-210-502	1	Power Transfer and Alarm Tests — Ventilating Fan Tests
362-130-503	2	Adjustment of 76-KHz Level Oscillator Output	362-210-503	2	Summary Charts — Lineup, Maintenance, and Troubleshooting
<b>362-135 Group Unit Lineup — Receiving</b>			<b>362-215 Carrier Lineup</b>		
362-135-501	4	Adjustment of Group Receiving Unit — Terminals	362-215-501	1	OB, OC, and OD Repeaters
<b>362-140 Group Unit Lineup — Transmitting and Receiving Junctions</b>			362-215-502	1	OB, OC, and OD Repeaters — Oscillator Frequency Measurement
362-140-501	4	Adjustment of Transmitting and Receiving Carrier	362-215-505	1	OA Repeater
<b>362-145 Summary Charts — Lineup and Maintenance</b>			<b>362-3 Type N1, O, and ON Carrier Telephone Systems — Overall Channel Lineup</b>		
362-145-501	5	O Carrier Terminals — Group and Twin Channel Units	<b>362-305 Transmission and Signaling</b>		
362-145-502	5	ON Carrier Terminals — Group and Twin Channel Units	362-305-501	5	Expander Output
362-145-503	4	ON1 Junctions — Groups Connected to OA, OB, OC, and OD Carrier	362-305-510	7	Channel Noise Measurement
			362-305-512	5	Channel Net Gain and Expander Output Check
			362-305-515	6	Signaling Receiver and Overall Pulsing Tests
			<b>362-310 Thru Channel Unit</b>		
			362-310-501	5	1000-Hz and 3700-Hz Output

Number	Issue	Subject	Number	Issue	Subject
<b>362-315 Special Service Channel Unit</b>			362-330-505	5	Schedule C and D Program Channel Unit (J98703TA)
362-315-501	5	Transmitting Section	362-330-506	5	Schedule A and B Program Channel Unit (J98703W)
362-315-502	5	Receiving Section	362-330-507	3	Amplas Channel Unit Without Signaling (J98703BP)
<b>362-320 Program Channel Units</b>			<b>362-335 Summary Charts — Lineup and Maintenance — O and ON Carrier</b>		
Addendum	1		362-335-501	7	Message Channel Unit
362-320-110	1	5-kHz Program Terminal — Description	362-335-502	5	Channel Unit Without Signaling (J98705AS)
362-320-501	4	Schedule C and D Program Channels (J98705AT) — Channel Line-Up and Equalization	362-335-503	5	Thru Channel Unit (J98705AF)
362-320-504	2	Over-all Channel Line Up — Type N Carrier — Schedule C and D Program Channel Unit Voice Frequency Tests and Adjustments	362-335-504	5	Special Services Channel Unit (J98705AP)
362-320-505	2	Schedule C and D Program Channel Unit (J98703TA) — Equalizer Adjustment and Overall Transmission Frequency Characteristics	362-335-505	3	Schedule C and D Program Channel (J98705AT)
362-320-510	4	Schedule A and B Program Channel Unit (J98703W) — Carrier Output, Adjustment, and Carrier Leak Test	<b>362-340 Carrier Group Alarm Circuits</b>		
362-320-511	1	Schedule A and B Program Channel Unit (J98703W) — Channel Net Loss Measurement and Transmission Frequency Tests	362-340-100	3	Type N2 Carrier System — Carrier Group Alarm Unit and Carrier Group Alarm Signal Receiver Unit — Description
362-320-515	1	Program Reversing Channel Unit (J98703Y) — Tests and Adjustments	362-340-501	2	J99272AR Signal Receiver — Out-of-Service Tests Using Testing Circuit SD-96519-01
Addendum	1		362-345-100	3	Type N2 Carrier System — Carrier Group Alarm and E-Signaling — Connecting Panel for Packaged N2 Terminals — Description
362-320-516	1	Schedules A and B (5 kHz) — N Carrier Program Terminal (J99333) — Initial Lineup and Maintenance	362-345-101	1	Trunk Release and Make-Busy Circuit and E-Type Signaling Connectors (J99285AP) — Description
<b>362-330 Summary Charts — Lineup and Maintenance — N1 Carrier</b>			<b>362-4 N and ON Repeaters — Repeated High-Frequency Lines</b>		
362-330-501	4	Message Channel Unit (J98703F) and (J98703FA)	<b>Type N1 and ON Carrier Repeaters — Repeated High-Frequency Line</b>		
362-330-502	5	Channel Unit Without Signaling (J98703AP)	<b>362-400 General Information</b>		
362-330-503	5	Thru Channel Unit (J98703AH)	Addendum	1	
362-330-504	5	Special Services Channel Unit (J98703AM)	362-400-100	4	Description — Type N1 and N1-H Repeaters

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		362-410-502	3	Electron Tube Repeaters — Electron Tube Cathode Activity Measurements
362-400-120	3	Description — Type N1A Low-High Transistorized Repeater — J98703MB	362-410-503	3	304-kHz Oscillator Frequency Measurements
362-400-121	3	Description — Type N1A High-Low Transistorized Repeater — J98703LB	362-410-511	4	N1-H and ON-H Maintenance and Troubleshooting Procedures
362-400-300	2	Initial Lineup and Maintenance Tests	362-410-515	5	N1A Transistorized Repeaters — DC Power Tests
Addendum	1		362-410-516	4	Transistorized Repeaters N1A — Transistor Emitter Current and Thermistor Heater Current Test
362-400-510	6	Methods of Computing Slope, Bulge, Cubic, and Quartic Distortion			
362-400-511	1	Equalizing Slope, Bulge, Cubic, and Quartic Deviations — General			
<b>362-401 Noise Measurements</b>			<b>362-415 Carrier Lineup — High-Frequency Line Measurements</b>		
362-401-501	2	Message and Impulse — at Carrier Frequency	362-415-501	7	Total Carrier Power Output J98703 and J98706 Repeaters
<b>362-405 Preliminary Tests</b>			Addendum	1	
362-405-501	5	Check of Local Cabling, Span Pads, Equalizers, and Noise Control Units	362-415-502	9	N1, N1-H ON, and ON-H Repeaters — Measurement of Slope, Bulge, Cubic, and Quartic Distortion — Carrier Leak Test
Addendum	1		362-415-503	1	Equalization of Individual Carriers at the Output of the Repeater
362-405-502	4	Adjustment of Power Supply and Sealing Current — Check of Line Current and Fuse Alarm	362-415-504	1	Deviation Equalizer Loss
362-405-503	3	Electron Tube Repeater Supply Points — DC Line Voltage Measurements	362-415-505	2	Adjustable Deviation Equalizer Line-Up
362-405-510	1	Modification Procedure for List 1 of J98706 C, D, E, F, CA, DA, EA, FA, J, and K — ON Repeaters	362-415-509	2	Adjustable Deviation Equalizer Line-Up Using N-Line Deviation Test Set
362-405-511	3	Modification Procedure for N1-H and ON-H Operation	362-415-511	2	Repeatered High-Frequency Line Sectionalizing Procedure for Investigating Frequency Drift
362-405-516	2	Transistorized Repeater Points — Check of Voltage Polarity, Current and Sealing Current Provisions	362-415-515	4	N1A Repeaters — Measurement of Slope, Bulge, Cubic, and Quartic Distortion — Carrier Leak Test
<b>362-410 Repeater Tests</b>			<b>362-420 Repeater Switching and Looping</b>		
362-410-501	5	Electron Tube Repeaters — Heater and DC Regulator Measurements	362-420-501	7	Method of Switching N1, N1-H, ON, and ON-H Repeaters and N2 Repeaters in N2/N1 Adapters With the J94002M Repeater Switching Set
			Addendum	1	
			362-420-502	3	Looping of Individual Repeatered Sections

Number	Issue	Subject
362-420-515	3	Method of Switching N1A Repeaters and N2 Repeaters in N2/N1A Adapters With the J98703BD Repeater Switching Set

**362-425 Equivalent 4-Wire N Carrier**

362-425-100	1	Directional Filter and Phase Equalizer Circuit Description
Addendum	2	
362-425-501	1	Directional Filter and Phase Equalizer — Installation and Maintenance

**362-430 Type 240 Amplifier**

362-430-100	2	240-Type Flat-Gain Amplifiers and Associated Networks — Description
362-430-501	3	Type 240 Amplifier — Installation and Maintenance

**362-440 Line Build-Out and Cross-Connecting Equipment**

362-440-100	2	J99323 — Description
362-440-101	1	ED-97031, ED-97032, ED-97033 — Description
362-440-102	1	ED-3C223-30 and ED-3C224-30 — Description
362-440-501	2	Check of Shield and Sheath Continuity and Grounding
362-440-502	1	Check of Fuse Alarms
362-440-503	3	J99323 — Check of Local Cabling, Span Pads, and Equalizers
362-440-504	2	Repeater Power Supply Point — Adjustment of Power Supply and Sealing Current for Line Powering of N1, N1A, and N2 Repeaters With or Without 240-Type Amplifiers
362-440-505	1	ED-97031, ED-97032, ED-97033 — Check of Local Cabling, Span Pads, and Equalizers

Number	Issue	Subject
<b>362-450/475 Type N2 Carrier Repeaters — Repeated High-Frequency Line</b>		
Addendum	1	
362-450-100	2	General Information
362-450-101	1	Low-High Transistorized Repeater — Description
362-450-102	1	High-Low Transistorized Repeater — Description
362-450-103	2	Regulated Power Supply — Constant-Current Regulator Circuit — Description
362-450-300	1	Initial Line-Up and Maintenance Tests — General Information
362-450-500	1	Maintenance Considerations
362-451-100	3	N2 Repeater-to-N1 and N1A Adapters — Description
362-451-502	2	N2 Repeater-to-N1 and -N1A Adapters — Initial Adjustments
Addendum	1	
362-455-501	2	Repeater Power Supply Point — Adjustment of Line Powering Provisions — Check of Fuse Alarms
362-455-502	3	Preliminary Tests — Repeater Power Provisions — Check of Voltage Polarity
Addendum	1	
362-460-501	6	Repeater DC Voltage Measurements and 60-Hz Inductive Interference Tests
Addendum	1	
362-465-501	2	Carrier Lineup — High-Frequency Line Measurements — Total Repeater Output Carrier Power
362-465-503	2	Repeater Tests — 304-kHz Oscillator Frequency Measurements
Addendum	1	
362-465-504	5	Check of Span Pad and Measurement of Slope, Bulge, Cubic, and Quartic Distortion
Addendum	1	
362-465-505	1	Equalizing Slope, Bulge, Cubic, and Quartic Deviations — General
362-470-501	3	N2 Repeater Switching With J99321S N2 Repeater Switching Set



Number	Issue	Subject	Number	Issue	Subject
362-470-502	2	Looping of Individual Repeated Sections	362-506-503	1	Check of Network Regulating Circuit
<b>362-5 Type N and ON2 Carrier — Deviation Regulator and Adjustable Deviation Equalizer</b>			362-506-504	2	Out-of-Service Tests
<b>362-500 General Information</b>			362-506-505	1	Check for Defective Shape Network
362-500-500	3	Maintenance Considerations	<b>362-510 Adjustable Deviation Equalizer</b>		
<b>362-501 Preliminary Tests</b>			362-510-100	2	Description
362-501-501	1	Check of Local Cabling, Span Pads and Artificial Line Sections	362-510-501	2	Maintenance
362-501-502	1	Check of Plate Supply and Adjustment of Heater Voltages	<b>362-6 Type ON/K Carrier — Repeated High-Frequency Line</b>		
362-501-503	1	Check of Fuse Alarm Operation	<b>362-600 General Information</b>		
<b>362-502 Out-of-Service Line-Up Procedures — Method A or B</b>			362-600-100	1	General Description
362-502-501	2	Check and Adjustment of Individual Carrier Gain	362-600-500	2	Tests and Adjustments — Maintenance Considerations
362-502-502	2	Check of Deviation Regulator Range	362-600-501	2	Determination of Slope on Carrier Line
<b>362-503 In-Service Line-Up Procedures</b>			<b>362-605 Preliminary Tests</b>		
362-503-501	1	Method A and Method B	362-605-501	1	Preparation and Placement of Terminal, Repeater and Junction Equipment
<b>362-504 Removing Units From Service</b>			<b>362-610 Tests and Adjustments — General</b>		
362-504-501	1	Switching a Deviation Regulator	362-610-501	2	Heater Voltage Adjustment
362-504-502	1	Bypassing a Deviation Regulator	362-610-505	1	Tube Tests
362-504-503	1	Removing a Control Unit from Service	<b>362-615 Carrier Line-Up</b>		
362-504-504	1	Bypassing a Faulty Network Thermistor	362-615-300	2	Type ON/K Carrier — Repeated High-Frequency Line — Initial Lineup Tests
<b>362-505 Electron Tube Cathode Activity Tests</b>			362-615-501	2	Terminals — Repeaters — Junctions
362-505-501	2	Amplifier and Control Circuit Units	362-615-505	1	Adjustable Deviation Equalizer
<b>362-506 Maintenance Tests and Adjustments</b>			<b>362-620 Amplifier Switching</b>		
362-506-501	1	Measurement of Total Carrier Power Output	362-620-501	1	Method of Switching ON/K Amplifier
362-506-502	1	Check of Carrier Output Characteristics			

Number	Issue	Subject
<b>362-7 ON/Radio System — Radio Multiplex Points</b>		
<b>362-700 Carrier Line-Up — 48 Channel Combining Units</b>		
362-700-501	2	Preparatory Procedures — DC Resistance Measurements
362-700-505	2	Measurement of Individual Carrier and Total Power
<b>362-705 Carrier Lineup — 96 Channel Combining Units</b>		
362-705-100	1	Multiplexing Circuits for Use With Radio Systems — Description
362-705-501	3	DC Tests and Adjustments — Placement of Plug-in Units and Tube Tests
362-705-505	2	Lineup Measurements
362-710-100	2	Combining and Multiplex Circuits for Use With TL Radio

**362-8 N2 Carrier Telephone System**

**362-800 Overall System**

362-800-010	1	Analysis of N2 Carrier Trouble Reports — Form E-4962
362-800-100	5	Description
362-800-300	1	Initial Line-Up and Maintenance Tests
362-800-505	3	Message and Schedule C and D Program Channels — Channel Net Gain and Frequency Response
Addendum	1	
362-800-506	3	Channel Noise Measurement and Maintenance Requirements
362-800-508	1	Data Transmission Parameter Requirements
362-800-510	3	Voice-Frequency Amplifier J99272BD, J99272AA, and J99272BA — Through-Channel Connector and Pad Unit J99272CA — Transmitting and Receiving

**362-801 Terminal Equipment — General**

362-801-100	6	J99272 Carrier Terminal Equipment — Nonpackaged Bays and Plug-In Units — General Description
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Number	Issue	Subject
362-801-101	2	Packaged N2 Terminal Frames (J99285) — Description
Addendum	1	
362-801-102	1	J99272( ) Carrier Terminal Equipment for Use With F-Type Signaling — Description
362-801-300	3	Initial Lineup and Maintenance Tests
362-801-500	4	Maintenance Considerations
362-801-501	3	Test Summary Charts

**362-802 Power Supply Unit**

362-802-100	3	Power Supply Unit J87216A and J87216C — Description
362-802-501	4	Power Supply Units J87216A and J87216C — Tests and Adjustments
362-802-510	2	Power Supply Units J87216A and J87216C — Switching

**362-803 Alarm Unit**

362-803-100	4	J99272BL Alarm Unit — Description
362-803-110	3	Alarm and Restoral Unit for N2 Terminals — Description
362-803-501	3	(J99272L) — Electrical Tests and Adjustments
362-803-502	2	Check of Alarm Operation
Addendum	3	
362-803-510	2	N2 Carrier Telephone System — Packaged Terminal Equipment (J99285) — Check of Alarm Operation
362-803-511	2	J99272AW Alarm and Restoral Unit — Electrical Tests and Adjustments

**362-804 Line Terminating Unit**

362-804-100	4	J99272M, BM, and BW — Description
362-804-501	4	J99272M, BM, BW — Check of Local Cabling, Span Pads, and Slope Equalizers
362-804-502	4	(J99272M and J99272BM) — Adjustment of Repeater Power Supply With or Without 240-Type Amplifiers and Sealing Current Over Cable

Number	Issue	Subject	Number	Issue	Subject
362-804-503	4	(J99272M and J99272BM) — Check of Line Current	▲362-811-510	1	Transmitting and Receiving Wideband Modem Unit Switching
362-804-504	3	J99272BW — Adjustment of Repeater Power Supply			
<b>362-805 Group Transmitting and Receiving Units</b>			<b>362-812 Wideband Terminals</b>		
362-805-100	2	Description	Addendum	1	
362-805-501	3	Total Carrier Power Output — Transmitting	362-812-000	1	X114A/X103 Wideband Terminal (0.1 to 40 KC) — Description, Alignment, and Tests
362-805-502	6	Group Transmitting Unit — Measurement of Slope, Bulge, Cubic, and Quartic Distortion	▲362-812-100	1	N2WT-1 Wideband Terminal Equipped with N2WM-1 or N2WM-2 Wideband Modem — Description
362-805-503	4	Total Carrier Power Input and Output — Receiving	▲362-812-501	1	N2WT-1 Wideband Terminal — N2WM-1 Wideband Modem (10 to 51 kHz) — Initial Line-up Procedure
362-805-504	6	Group Receiving Unit — Measurement of Slope, Bulge, Cubic, and Quartic Distortion	▲362-812-502	2	N2 Carrier Telephone System — N2WT-1 Wideband Terminal — N2WT-1 Wideband Modem (10 to 51 kHz) — Maintenance Tests
362-805-505	3	Transistor Emitter Current Test	▲362-812-503	2	N2WT-1 Wideband Terminal — N2WM-2 Wideband Modem (0.1 to 37.5 kHz) — Initial Lineup Procedure
Addendum	1		▲Addendum	1	
362-805-510	3	Switching	▲362-812-504	2	N2WT-1 Wideband Terminal — N2WN-2 Wideband Modem (0.1 to 37.5 kHz) — Maintenance Tests
<b>362-806 Channel Modem Unit</b>			<b>362-9 N3 and N4 Carrier Telephone System — Terminal Equipment</b>		
Addendum	1		<b>362-900 N3 Carrier Telephone System — Overall System</b>		
362-806-100	5	Description	362-900-100	4	Description
362-806-501	5	Message and Schedule C and D Program — Transmitting and Receiving Carrier Power Tests	362-900-508	1	Data Transmission Parameter Requirements
362-806-502	3	Voice-Frequency Input and Output Tests	<b>362-901 N3 Carrier Telephone System — Carrier-Frequency Supply</b>		
<b>362-807 Compandor Unit</b>			Addendum	2	
Addendum	1		362-901-100	3	Description
362-807-100	3	Description	<b>362-811 N2WM1 Wideband Modem</b>		
<b>362-808 VF Amplifier Unit</b>			▲362-811-100	1	N2WM1 Wideband Modem — (10 to 51 KC) — Description
362-808-100	3	Description	362-811-501	1	N2WM1 Wideband Modem — (10 to 51 KC) — Initial Line-Up Procedure
<b>362-811 N2WM1 Wideband Modem</b>			▲362-811-502	1	N2WM1 Wideband Modem — (10 to 51 KC) — Maintenance Tests

Number	Issue	Subject
<b>362-902 N3 Carrier Telephone System — Terminal Equipment — General</b>		
362-902-100	4	Description
<b>362-903 N3 Carrier Telephone System — Power Supply Unit</b>		
362-903-100	1	Power Supply Unit — Description
<b>362-904 N3 Carrier Telephone System — Line Terminating Unit</b>		
362-904-100	3	Line Terminating Units J99300AL and J99300AT — Description
<b>362-905 N3 Carrier Telephone System — Group Transmitter and Receiver Units</b>		
362-905-100	1	Description
<b>362-906 N3 Carrier Telephone System — Channel Group Modem Unit</b>		
362-906-100	1	Description
<b>362-907 N3 Carrier Telephone System — Frequency Correction Unit</b>		
362-907-100	2	Description
362-907-101	4	(J99300AS) — Description
<b>362-908 N3 Carrier Telephone System — Alarm Unit</b>		
362-908-100	3	Alarm and Restoral Unit — J99300AK — Description
<b>362-909 N3 Carrier Telephone System — Double-Channel Regulator Unit</b>		
362-909-100	5	J99300AC and J99300CA — Description
<b>362-910 N3 Carrier Telephone System — Channel Modem Unit</b>		
362-910-100	2	J99300AB and J99300AY — Description

Number	Issue	Subject
<b>362-911 N3 Carrier Telephone System — Channel Compandor Unit</b>		
Addendum	1	
362-911-100	1	Description
<b>362-912 N3 Carrier Telephone System — VF Amplifier Unit</b>		
362-912-100	3	J99272CA Through-Channel Connector and Pad Unit — Description
<b>362-915 N3 Carrier Telephone System — Secondary Carrier Distribution</b>		
362-915-100	1	Description
362-915-101	1	Plug-In Secondary Carrier Distribution Circuit — Description
<b>362-920 N3-L Junction — Overall System</b>		
362-920-100	3	Description
<b>362-921 N3-L Junction — Overall System</b>		
362-921-100	2	Equipment Description
<b>362-922 N3-L Junction — Modulators</b>		
<b>Description</b>		
362-922-100	1	J99331AA Type A N3-L
362-922-101	1	J99331AB Type A L-N3
362-922-102	1	J99331BA/BB Type B N3-L/L-N3
<b>362-923 N3-L Junction — Carrier-Enhancement and Reduction Units</b>		
<b>Description</b>		
362-923-100	2	Carrier-Enhancement Unit — J99331AC
362-923-101	2	J99331AE/AG Carrier Reduction Unit
<b>362-924 N3-L Junction — J99331AF Carrier Distribution Amplifier</b>		
362-924-100	1	Description

Number	Issue	Subject
<b>362-925 N3-L Junction — J99331BC Low-Level Regulator</b>		

362-925-100	1	Description
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<b>362-926 N3-L Junction — Alarm Units</b>		
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<b>Description</b>		
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362-926-100	2	Type A Alarm, Squelch, and Restoral Unit — J99331AD, L2
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362-926-101	1	J99331BD Type B Auxiliary Alarm Unit
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<b>362-927 N3-L Junction — Channel Group 2 Loop Unit</b>		
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362-927-100	1	J99331AH — Description
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<b>362-930 N4 Carrier Telephone System — Overall System</b>		
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362-930-100	1	Description
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<b>362-940 N4 Carrier Telephone System — Terminal Equipment</b>		
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362-940-100	2	Description
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362-940-101	1	Type N4 Carrier Telephone System — Double Channel Modem Unit — Description
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362-940-102	2	Alarm and Restoral Unit — Description—Type N4 Carrier Telephone System
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362-940-103	1	Channel Group Modem Unit — Description — Type N4 Carrier Telephone System
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362-940-104	1	Type N4 Carrier Telephone System — Power Supply Unit (1024P) — Description
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362-940-105	1	Group Receiving Units — Description
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362-940-106	1	Group Transmitting Units — Description
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362-940-107	1	1024R Test Modem Unit — Description
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Number	Issue	Subject
<b>362-950 N4 Carrier Telephone System — Carrier Supply</b>		

362-950-100	1	Description
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<b>362-971 Task Oriented Practice (TOP) — Plant</b>		
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Addendum	1	
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▲362-971-000	2	N3 Carrier System — N3 Terminal
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▲362-971-001	1	N3 Carrier System — N3/L Junctions — Routine, Acceptance, and Circuit Order
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▲362-971-002	1	N3 Carrier System — Carrier Frequency Supply
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▲362-971-003	1	N3 Carrier System — N3/L Junctions — Trouble Analysis
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▲362-972-000	2	N4 Carrier System
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**Division 363****Loop Transmission Systems****363-0 Index, Equipment Test Lists, and Data Sheets**

- 000 Index
- 001 Equipment Test Lists
- 005 Data Sheets
- 099 Customer Information Releases (CIRs)

**363-1 P1 Carrier Telephone System**

- 100 Identification, Installation, and Connections
- 101 Adjustments and Maintenance — Central Office and Remote Terminal
- 102 Adjustments and Maintenance — Repeaters
- 103 System Line-Up and Maintenance
- 104 Alternate System Line-Up

**363-2 Metallic and Fiber Digital Carrier Systems**

- 200 Testing, Recent Changes, and Subscriber Loop Multiplexer
- 201 SLC® 40 Carrier System
- 202 SLC 96 and SLC 24 Carrier Systems, Lightguide Interconnections, and LM-Type Multiplexers
- 203 SLIM (Subscriber Loop Interface Module) — DCLU-5 (Digital Carrier Line Unit 5)
- 204 SLC 24 Carrier System and Fiber SLC 24 Carrier
- 205 SLC Series 5 Carrier System
- 206 Multiplexers and Networks
- 207 SLC 120 Network Access System
- 208 SLC-2000 Access System

**363-3 Analogue Carrier Systems**

- 300 KS-20988 Multichannel Subscriber Carrier System
- 301 SLC 8 Carrier System

**363-4 Single-Channel Carrier Systems**

- 400 SLC 1 Carrier System
- 401 Data SLC Carrier System

**363-7 Pair Gain Systems**

- 700 LSS (Loop Switching System)
- 701 No. 10A RSS (No. 10A Remote Switching System)

**⇒ NOTE:**

Documents in this division carrying this symbol ⊕ are available in electronic form in 300-100-XXX.

Number	Issue	Subject
<b>363-0 Index, Equipment Test Lists, and Data Sheets</b>		
<b>363-000 Index</b>		
363-000-000	29	Numerical Index — Division 363 — Loop Transmission Systems (5-95)
<b>363-001 Equipment Test Lists</b>		
363-001-011	2	SLC ⊕ 40 Carrier System
363-001-012	1	Loop Switching System
363-001-013	1	SLC 96 Carrier System
<b>363-005 Data Sheets</b>		
<b>SLC 96 Carrier System</b>		
363-005-001	2	WM1 CP TRU Common Unit S9CP100AAA — WM1C CP TRU Common Unit S9CP110AAA
363-005-002	1	WN1 CP LIU-1 Common Unit S9LI101AAXX
363-005-003	1	WN2( ) CP LIU-2 Common Unit S9LI204AAXX
363-005-004	2	WN3 CP LIU-3 Common Unit S9LI301AAXX
363-005-005	1	WN4( ) CP LIU-4 Common Unit S9LI404AAXX
363-005-006	1	WN5( ) CP LIU-5 Common Unit S9LI2A5AAXX
363-005-007	1	WN6( ) CP LIU-6 Common Unit S9LI4A5AAXX
363-005-008	1	WN8( ) CP LSU Common Unit S9CP402AAA
363-005-009	2	WN9( ) CP DLU Common Unit S9CP502AAXX
363-005-010	1	WN10 CP CTU-COT Common Unit S9CP612AAA
363-005-011	1	WN10B CP CTU-COT Common Unit S9CP612AAXX
363-005-012	2	WN11 CP CTU-RT Common Unit S9CP620AAA
363-005-013	1	WN12 CP TAU-COT Common Unit S9CP710AAA

Number	Issue	Subject	Number	Issue	Subject
363-005-014	1	WN13 CP TAU-RT Common Unit S9CP720AAA	363-005-038	2	WM21 CP CTU-RT Common Unit S9CPJ00
363-005-015	2	WN14C/WN14D CP MXU Common Unit S9CP90KAXX/S9CP910AXX	363-005-039	1	WP36 CP SPOTS® COT Channel Unit S9CD171AXX
363-005-016	2	WP1 CP ACU Common Unit S9CP200AAA	363-005-040	2	WP37 CP SPOTS RT Channel Unit S9CP271AXX
363-005-017	5	WP2 CP Series 4 SSU Common Unit S9CP31GAXX	363-005-041	2	WP47 VDM Channel Unit S9CS11AXX
363-005-018	1	WP10 CP DUAL-SP CU (COT) Channel Unit S9CD101AXX	363-005-042	2	WP48 VDM Channel Unit S9CS21AXX
363-005-019	2	WP10( ) CP DUAL-SP CU (COT) Channel Unit S9CD106AXX	363-005-043	1	WP74 Power Unit S9CP850AXX Data Sheet
363-005-020	1	WP20( ) CP DUAL-SP CU (RT) Channel Unit S9CD201AXX	363-005-044	1	WN30 CP LSU Common Unit S9CP40LAXX
363-005-021	2	WP20( ) CP DUAL-SP CU (RT) Channel Unit S9CD203AXX	363-005-045	1	WP40 OLIU Circuit Pack S9L1800BXX
363-005-022	1	WP30( ) CP DUAL-SP CU (RT-XR) Channel Unit S9CD242AXX	363-005-046	1	WP41B ELIU Circuit Pack S9L1900BXX
363-005-023	1	WP11( ) CP DUAL-MP CU (COT) Channel Unit S9CD120AXX	363-005-047	1	F-62115 CP DLU Common Unit S9CP502AXX
363-005-024	1	WP21( ) CP DUAL-MP CU (RT) Channel Unit S9CD221AXX	363-005-048	2	J98726GD-1,L1 SLC SEC O Channel Unit D4CA300
363-005-025	1	WP31( ) CP DUAL-MP CU (RT-XR) Channel Unit S9CD251AXX	363-005-049	1	J98726GC-1,L1 SLC SEC S Channel D4CA300
363-005-026	1	WP12 CP Coin CU (COT) Channel Unit S9CD130AXX	363-005-050	1	WN2D CP LIU-2 Common Unit S9L12H5AXX
363-005-027	1	WP22( ) CP Coin CU (RT) Channel Unit S9CD232AXX	<b>SLC 24 and 96 Carrier Systems</b>		
363-005-028	1	WP32 CP Coin CU (RT-XR) Channel Unit S9CD260AXX	363-005-051	2	WP42 CP SPOTS DPO Channel Unit S9CD176AXX
363-005-029	1	J98726CJ-1, L2 4E&MS Channel Unit D4CE800	363-005-052	2	WP43 CP SPOTS DPT Channel Unit S9CD275AXX
363-005-030	2	J98726PC-1, L2 DVO Channel Unit D4DC220	363-005-053	1	WN4D CP LIU-4 Common Unit S9L1465AXX
363-005-031	2	J98726PD-1, L2 TDVS Channel Unit D4DC320	<b>SLC Series 5 Carrier System</b>		
363-005-032	3	WP33( ) CP Dual-FSR (COT) Channel Unit S9CP	363-005-101	2	AUA31 (COT) Channel Unit — POTS 5SCU110AXX
363-005-033	2	WP34( ) CP Dual-FSR (RT) Channel Unit S9CD	363-005-102	2	AUA32 (COT) Channel Unit — SPOTS Unit 5SCU820AXX
363-005-034	1	WP35( ) CP Dual-FSR Channel Unit S9CD	⊕363-005-103	4	AUA33 (COT) Coin Channel Unit (4-95)
363-005-035	4	WM1B/WM1D CP TRU Common Unit S9CP105AXX	⊕363-005-104	7	AUA34( ) (COT) DSO Dataport Channel Unit 5SCU380 (AUA34), 5SC1330 (AUA34B) (3-93)
363-005-036	1	WN4C CP LIU-4 Common Unit S0LI405AXX	363-005-105	3	SLC Series 5 Carrier System AUA41( ) 4-Wire Current Feed Special Services Channel Unit
363-005-037	1	WM20 CP CTU-COT Common Unit S9CPH00			

Number	Issue	Subject	Number	Issue	Subject
363-005-106	3	AUA42 ( ) 2-Wire Special Services Channel Unit (9-94)	Ⓞ363-005-129	1	AUA90 T-Brite Channel Unit — 5SC1EEDAXX
Ⓞ363-005-107	5	AUA43 2-Wire Special Services E SPOTS® Channel Unit — 5SCU6A6 (8-94)	Ⓞ363-005-130	1	AUA92 ISDN Brite II Channel Unit — 5SC1JE0
Ⓞ363-005-108	4	AUA44 4-Wire Special Services Channel Unit — 5SCU7C6 (3-93)	Ⓞ363-005-131	2	AUA93 ISDN Brite II Channel Unit — 5SC1HEOAXX
Ⓞ363-005-109	1	AUA35 (COT) Channel Unit — Multiparty 5SCU540AXX	Ⓞ363-005-132	1	AUA75 2WPLAR Channel Unit — 5SC1FF2AXX
363-005-110	3	AUA51 (RT) Channel Unit — POTS/SPOTS Units 5SCU150AXX	Ⓞ363-005-133	1	AUA150(RT) POTS/SPOTS Channel Unit — 5SCU1LVAAA
Ⓞ363-005-111	7	AUA52 Office Channel Unit (OCU) Dataport — 5SCU480 (AUA52), 5SC1430 (AUA52B) (3-93)	Ⓞ363-005-134	1	AUA151 (RT) POTS/SPOTS® Channel Unit — 55C1XXD
Ⓞ363-005-112	2	AUA53 (RT) Coin Channel Unit — Coin 5SCU260AXX	Ⓞ363-005-135	1	AUA94 ISDN Channel Unit — 5SC18EO (10-93)
Ⓞ363-005-113	3	AUA54 4-Wire Special Services Channel Unit — 5SCU7BO	Ⓞ363-005-136	3	AUA61 DS1 Line Interface Unit 5SLI110AXX
363-005-114	1	AUA36 (COT) Channel Unit — DID 5SCU9F0AXX	Ⓞ363-005-137	3	AUA62 Line Interface Unit — Line Powering 5SC1120AXX
363-005-115	1	AUA56 (RT) Channel Unit — DID 5SCU9E0AXX	Ⓞ363-005-139	3	AUA64 DS1 Line Interface Unit — Power Looping 5SLI140AXX
Ⓞ363-005-116	2	AUA55 (RT) Channel Unit — Multiparty 5SCU570AXX	363-005-142	1	AUA16 DS1 Digital Connectivity Unit-Left 5SCS400AXX
Ⓞ363-005-117	4	AUA58 (RT) Channel POTS Unit — 5SCU1H8AXX (AUA58B) or 5SC1P00AAA (AUA58C) (12-92)	363-005-143	1	AUA17 DS1 Digital Connectivity Unit- Right 5SCS500AXX
Ⓞ363-005-118	4	AUA38( ) (COT) POTS Channel Unit 5SC1Y20AAA (AUA38B) or 5ACU1G0AAC (AUA38) (7-94)	Ⓞ363-005-144	3	AUA61B DS1 Line Interface Unit — DSX 5SLI1A2AXX
Ⓞ363-005-119	2	AUA59 (RT) SPOTS Channel Unit — 5SCU1LOAXX	Ⓞ363-005-145	2	AUA62B DS1 Line Interface Unit — Line Powering 5SLI12AAXX
Ⓞ363-005-120	3	SLC Series 5 Carrier System AUA39( ) SPOTS(r) Channel Unit (11-94)	Ⓞ363-005-146	2	AUA64B DS1 Line Interface Unit — Power Looping 5SLI14AAXX
Ⓞ363-005-121	2	AUA37 ( ) (COT) FSR Channel Unit (7-94)	Ⓞ363-005-147	1	AUA61C DA1 Line Interface Unit — DSX 5SLI1A3AXX
Ⓞ363-005-122	2	AUA57 (RT) Channel Unit — FSR 5SCUT04AXX	Ⓞ363-005-148	1	AUA62C DS1 Line Interface Unit — Line Powering 5SLI123AXX
Ⓞ363-005-123	5	AUA45 ( ) Dual Ringing Repeater Channel Unit — 5SCUUJ5 (10-92)	Ⓞ363-005-149	1	AUA64CDS1 Line Interface Unit — Power Looping 5SLI143AXX
Ⓞ363-005-124	2	AUA25 (RT) M SPOTS Channel Unit — 5SCURP7AXX	Ⓞ363-005-150	1	AUA61D DS1 Line Interface Unit — DSX 5SLI1A4AXX
Ⓞ363-005-127	1	AUA26 (COT) CU — POTS With Derived Channel Alarm — 5SC1CC1AXX	Ⓞ363-005-151	2	AUA62D DS1 Line Interface Unit — Line Powering 5SLI125AXX
Ⓞ363-005-128	1	AUA27 (RT) CU — POTS With Derived Channel Alarm — 5SC1DD1AXX	Ⓞ363-005-152	2	AUA64D DS1 Line Interface Unit — Power Looping — 5SLI145AXX
			Ⓞ363-005-154	1	AUA117 DS1 Digital Connectivity Unit — Right 5SCS5CO
			363-005-155	1	AUA8 System Display Unit — NCPQDCB Data Sheet/User's Manual (12-92)
			Ⓞ363-005-156	1	AUA77 Site Interface Unit — 5SPQ10T (12-92)



Number	Issue	Subject	Number	Issue	Subject
⊕363-005-157	1	AUA111 (COT/RT) Transmit/Receive Unit — 5SCTGO (12-92)	⊕363-005-185	4	AUB24 (RT) Alarm Display Unit — Mode 96 5SCSB00BXX
⊕363-005-158	1	AUA112(RT) Transmit/Receive Unit— 5SCS3GO (10-93)	⊕363-005-186	4	AUB6 (COT) Alarm Display Unit — 5SCS900BXX (3-93)
363-005-161	2	AUA1 (COT) Transmit/Receive Unit 5SCS200AXX	⊕363-005-187	5	AUB26 (RT) Alarm Display Unit — 5SCSA00BXX
⊕363-005-162	3	AUA21B (RT) Transmit/Receive Unit 5SCS309AXX	⊕363-005-188	4	AUB3 (COT) Alarm Interface Unit 5SCD300BXX
⊕363-005-163	3	AUA22B (RT) Transmit/Receive Unit — 5SCSM09AXX	363-005-189	1	AUB4 Alarm Display Unit/Alarm Suppressor Unit — 5SCSC00BX
363-005-164	1	AUA71 LBRV Transcoder Unit — 5SLI280AXX	⊕363-005-190	4	AUB27 ( ) Alarm Display Unit ADU (12-94)
⊕363-005-165	2	AUA73 Line Switch Unit — DS1 Interface 5SCS150AXX	⊕363-005-191	1	AUB28 Alarm Display Unit — 5SPQ10U (12-92)
363-005-166	2	AUA13 Line Switch Unit — DS1 Interface 5SCS110AXX	⊕363-005-192	1	AUB30 Automated Channel Test Unit — 5SCD21H (12-92)
⊕363-005-167	2	AUA105 (RT) Transmit/Receive Unit — 5SPQAALAXX	⊕363-005-194	1	MC97775A1 (RT) Bank Control Unit — 5SPQ10W (12-92)
⊕363-005-168	1	AUA109 (RT) Transmit/Receive Unit — 5SCS30AAXX	⊕363-005-195	2	MC97777A1 ( ) RT Bank Control Unit (7-94)
⊕363-005-171	1	MC97779A1 (RT) Bank Control Unit (FPF MSDT) — 5SXTA04	⊕363-005-196	1	AUA74 Line Switch Unit DS1 Interface — 5SPQABC (10-93)
⊕363-005-172	1	MC97771A1 (RT) Bank Control Unit — 5SPQAAKAXX	⊕363-005-197	1	AUB3B (COT) Alarm Interface Unit — 5SCD30F
⊕363-005-173	2	MC97776A1 (RT) Bank Control Unit — 5SPQ10R (MC97776A1) or 5SPQABT (MC97776A1B) (9-94)	363-005-198	2	AUB2 (COT) Channel Test Unit — PGTC 5SCD100BXX — AUB2B (COT) CTU — PGTC 5SCD101BXX
363-005-175	2	MC97723A1 (RT) Bank Controller Unit — 5SCSE00CXX	363-005-199	2	AUB22 (RT) Channel Test Unit — PGTC 5SCD201BXX
363-005-176	2	MC97722A1 (COT) Bank Controller Unit — 5SCSD00CXX	363-005-200	3	AUB5 (COT) Channel Test Unit — 5SCD110BXX
⊕363-005-177	4	MC97724A1, IS:5 (RT) Bank Control Unit — 5SCSHCE (5-93)	363-005-201	2	AUB25 (RT) Channel Test Unit — 5SCD210BXX
363-005-178	2	MC97725A1 (COT) Bank Control Unit — 5SCSFOOCXX	363-005-202	2	AUA3 Office Timing Unit — 5SCS600AXX
363-005-179	2	MC97726A1 (RT) Bank Control Unit — 5SCSGOOCXX	363-005-203	3	AUA11 Power Converter Unit 5SCD400AXX — AUA11B PCU 5SCD402AXX
363-005-180	2	MC97755A1 (COT) Bank Control Unit (3-94)	⊕363-005-204	1	AUA11C Power Converter Unit — 5SCD4J2AXX
363-005-181	1	MC97756A1 (RT) Bank Control Unit — 5SCSG60CXX	⊕363-005-205	4	AUA24 Fan Control Unit 5SCD500AXX
⊕363-005-182	1	MC97769A1 (INA-RT) Bank Control Unit — 5SXTA10BXX	363-005-206	3	AUA18 Digital Test Unit — Left 5SCDA00AXX
363-005-183	2	AUB1 (COT) Alarm Display Unit — 5SCS700BXX	363-005-207	3	AUA19 Digital Test Unit — Right 5SCDB00AXX
363-005-184	2	AUB21 (RT) Alarm Display Unit — 5SCS800BXX	⊕363-005-208	1	ED-7C10-30 Alarm Network Module - 5SPQAAS

Number	Issue	Subject	Number	Issue	Subject
⊕363-005-216	3	3A Ringing Generator 5SCB600DXX	363-005-241	1	AUG2 Ring Switch Unit — 5SCBA30GXX
363-005-217	1	39E Channel Fuse Unit 5SCB400CXX	⊕363-005-242	1	AUG3 Ring Control Unit — 5SCBM00GXX
363-005-218	2	39F Line Fuse Unit 5SCB500CXX	⊕363-005-243	2	AUG4 Battery Interface Unit — 5SPQ10P (AUG4) and 5SPQBNA00A (AUG4B) (2-93)
363-005-219	3	40D Bank Fuse Unit 5SCB300BXX	⊕363-005-244	1	3H1 Ringing Generator — 5SCBPE0
⊕363-005-220	3	336A ( ) Power Unit (Rectifier) 5SCB723	363-005-246	1	AUB60 XTC Power Converter Unit
⊕363-005-221	4	337A ( ) Battery Charger 5SCB804	363-005-247	2	MC97734-01 XTC Controller Unit
⊕363-005-222	3	ED-7C613-30, G3 Load Distribu- tion Unit 5SCB10AAAA	363-005-248	1	AUB62 XTC Alarm Display Unit
⊕363-005-223	2	3B ( ) Ringing Generator	363-005-249	1	AUB63 XTC Data Link Unit
⊕363-005-224	1	AYK1 Circuit Pack — 5SPQAAAAXX	⊕363-005-250	3	AUB65 XTC Test Unit "D"
⊕363-005-225	1	AYK2 Circuit Pack — 5SPQAABAXX	363-005-251	1	AUB66 XTC Fan-Out Unit
⊕363-005-226	3	3C Ringing Generator — 5SCB600DXX	363-005-252	1	AUB67 XTC Test Unit "C"
⊕363-005-227	2	CS787B540 Power Unit (Recitifier) — PWPQ88CAXX	363-005-253	1	AUB68 XTC Test Unit "B"
⊕363-005-228	1	AUA114 Channel Fuse Unit — 5SCB4BO	363-005-254	1	AUB69 XTC Composite Clock Unit
⊕363-005-229	2	AUA115 Line Fuse Unit — 5SCB5BO (3-93)	⊕363-005-255	1	AUB63B XTC Data Link Unit — 5SXT320AXX
⊕363-005-230	1	AUG11 Bank Fuse Unit — 5SCB3BO	⊕363-005-256	1	MC97761A1 XTC Controller Unit — 5SXTA20BXX
⊕363-005-231	3	AUA78 T1 Line Fault-Locate Test Adapter — 5SCSJ40AXX	363-005-260	2	AUA400 (RT) Channel Unit — SC2DS0 5SCF410CXX
363-005-232	1	AUA79 T1 Line Fault-Locate Test Adapter — MAT/ICOT Ca- ble 5SCSJ300AXX	363-005-261	2	AUA401 (RT) Channel Unit — SC4DS0 5SCF420CXX
363-005-233	3	AUA80 Line Test Adapter 5SCSK00AXX	■⊕363-005-262	4	SLC-2000 MSDT AYB1B Optical Unit — 5SCF240
363-005-234	2	505A Adapter 5SCSL00DXX	363-005-263	2	ASH1 Power Converter Unit — 5SCF150AXX
⊕363-005-235	1	52A Test Extender — 5STE430CAA	363-005-264	2	ASJ1 Channel Unit — 5SCF530DXX
⊕363-005-236	1	47A Test Extender — 5STE210BAA	363-005-265	2	AUA402 (RT) Alarm/Fan Control Unit — 5SCF300CXX
⊕363-005-237	1	47B Test Extender — 5STE2409BAA	363-005-266	2	AUB71 Transmission Multiplexer Unit — DCU51AABXX AUA403 (RT) Test Channel Unit
⊕363-005-238	2	950A Test Set — 5STYEA00DAA	⊕363-005-267	2	AUA404(RT) Channel Unit — SC2DSO 5SCF410
363-005-239	1	AUA7 Line Test Unit SLC5 Series Carrier System	⊕363-005-268	2	AUA405(RT) Channel Unit — SC4DSO 5SCF420
⊕363-005-240	1	AUG1 Positive Ringing Unit — 5SCB900GXX	⊕363-005-269	2	ASJ2 Channel Unit — 5SCF53C
			⊕363-005-270	2	EAF1 Drop Test Module — 5SPQAAN
			⊕363-005-271	2	SLC Series 5 Carrier System BYB1B Optical Unit — 5SCT300 (3-94)

Number	Issue	Subject	Number	Issue	Subject
Ⓞ363-005-272	2	SLC Series 5 Carrier System MC97780A1 Backplane Interface Unit — 5SCT420 (3-94)	Ⓞ363-005-290	1	SLC-2000 MSDT AUA426 Power Interface Unit — 5SPQABY (3-94)
Ⓞ363-005-273	2	SLC Series 5 Carrier System AUA406 (RT) MSDT Server 6 to 24 DS0 — 5SCF660 (3-94)	Ⓞ363-005-291	1	SLC-2000 MSDT AUA427 Power Converter Unit — 5SPQABZ (3-94)
Ⓞ363-005-274	2	SLC-2000 MSDT AUA408 (RT) MSDT 12-24 DS0 — SAIUMBO (3-94)	Ⓞ363-005-292	1	SLC-2000 MSDT AUA428 Limited Output Source Unit (LOSU) (3-94)
Ⓞ363-005-275	2	SLC Series 5 Carrier System AUA411 Channel and Drop Test Unit — 5SPQAA3 (3-94)	Ⓞ363-005-293	1	SLC-2000 MSDT AUA424 Power Interface Unit 5SPQABX
Ⓞ363-005-276	2	SLC Series 5 Carrier System AUA412 Power Converter Unit — 5SPQAAAX (3-94)	Ⓞ363-005-294	1	SLC-2000 MSDT AUA422 Power Converter Unit — 5SPQABW (3-94)
Ⓞ363-005-277	2	SLC Series 5 Carrier System AUA413 Ringing Generator Unit — 5SPQ10S (3-94)	Ⓞ363-005-295	1	SLC-2000 Access System SPQ®909 LP-POTS Channes Unit SAC1A00 (7-94)
Ⓞ363-005-278	2	SLC Series 5 Carrier System AUA414 Power Interface Unit — 5SPQAAW (3-94)	Ⓞ363-005-296	1	SLC-2000 MSDT AYB5 Optical Unit — 5SCFE006AA (6-94)
Ⓞ363-005-279	2	SLC Series 5 Carrier System AUA415 Power Interface Unit — 5SPQAA6 (3-94)	Ⓞ363-005-297	1	SLC-2000 MSDT BYB5 Optical Unit — 5SCTD00AAA (6-94)
Ⓞ363-005-280	2	SLC Series 5 Carrier System AUA416 Power Interface Unit — 5SPQAAZ (3-94)	363-005-298	1	SLC-2000 MSDT AUA434 Power Interface Unit — 5SPQACB (12-94)
Ⓞ363-005-281	2	SLC Series 5 Carrier System AUA417 Power Converter Unit — 5SPQAA1 (3-94)	363-005-299	1	SLC-2000 MSDT AUA436 Power Interface Unit — 5SPQACC (12-94)
Ⓞ363-005-282	2	SLC Series 5 Carrier System AUA418 Limited Output Source Unit (LOSU) — 5SPQ10X (3-94)	<b>SLC-2000 Access System</b>		
Ⓞ363-005-283	2	SLC Series 5 Carrier System AUA419 Shelf Common Unit — 5SPQAA2 (3-94)	Ⓞ363-005-300	2	AUA141 4-Wire Special Service Channel Unit — 5SCU7DZ
Ⓞ363-005-284	1	SLC-2000 MSDT BYB2 T1/DSX Line Interface Unit — SAC1MB0 (3-94)	Ⓞ363-005-301	1	AUA142 2-Wire E SPOTS Channel Unit — 5SCU69Z
Ⓞ363-005-285	1	SLC-2000 MSDT AUA423 Ringing Generator Unit — 5SPQABL (3-94)	Ⓞ363-005-302	1	AUA152 Office Channel Unit (OCU) Dataport — 5SCU48Z
Ⓞ363-005-286	1	SLC-2000 MSDT AYB2 Power Converter Unit — LFOCHE0 (3-94)	Ⓞ363-005-303	3	AUA158 (RT) POTS Channel Unit (12/94)
Ⓞ363-005-288	1	SLC-2000 MSDT SPQ®808 (RT) MSDT Server 12 or 24 DS0 — SAIUMBF (3-94)	Ⓞ363-005-304	3	AUA159 (RT) SPOTS Channel Unit (12/94)
Ⓞ363-005-289	1	SLC-2000 MSDT MC97789A1 Backplane Interface Unit — 5SCT420 (3-94)	Ⓞ363-005-305	1	AUA161 DA1 Line Interface Unit — 5SL1100 (12-92)
			Ⓞ363-005-306	1	AUA162 DS1 Line Interface Unit — 5SLI10C (12-92)
			Ⓞ363-005-307	1	AUA163 Elastic Memory Unit — 5SLI400 (12-92)
			Ⓞ363-005-308	1	AUB101 Flash Memory Unit — 5SCI200 (12-92)
			363-005-309	1	AUA176 Line Test Translator — 5STEF00 — Data Sheet (6-92)



Number	Issue	Subject	Number	Issue	Subject
363-099-050IR	1	WP74 Power Units for SLC 96 Carrier System Application, Loop Electronics	363-099-070MA	1	SLC Series 5 Carrier System AUA43 E SPOTS Channel Unit Crosstalk, Loop Electronics
363-099-052IR	1	SLC Series 5 Carrier System — Digital Connectivity Unit Feature — Loop Electronics	363-099-071MA	1	Fuse Problem in 51A-Type Cabinets, Loop Electronics
363-099-053IR	1	SLC Series 5 Carrier System — Feature Package D (FPD); Low-Bit-Rate Voice (LBRU), Loop Electronics	363-099-072MA	1	SLC Series 5 Carrier System Bank Control Unit Upgrades, Loop Electronics
363-099-056IR	1	Use of SLC Series 5 Carrier System E SPOTS Channel Units for DID Services, Loop Electronics	363-099-073IR	1	SLC Series 5 Carrier System Multiparty Channel Units, Loop Electronics
363-099-057IR	2	New SLC Series 5 Carrier POTS and SPOTS Channel Units — Loop Electronics	363-099-074IR	1	SLC Series 5 Carrier System Frequency Selective Ringing Multiparty Channel Unit, Loop Electronics
363-099-058IR	1	SLC Series 5 Carrier System Direct Inward Dialing (DID) Channel Units — Loop Electronics	363-099-075MG	1	SLC Series 5 Carrier System 51- and 80-Type Cabinet Door Alarms, Loop Electronics
363-099-059IR	1	SLC Series 5 Carrier System Coin Channel Units — Loop Electronics	363-099-076IR	1	SLC Series 5 Carrier Systems ED7C700 Cable Assembly, Loop Electronics
363-099-060IR	1	52A Channel Unit Test Extender for the SLC Series 5 Carrier System — Loop Electronics	363-099-077IR	1	Rural Electrification Administration (REA) - D4 Channel Bank, SLC 96 Carrier System, and DDM-1000 Dual DS-3 Multiplexer, Loop Electronics
363-099-061IR	1	Discontinued Availability of SLC Series 5 Carrier System Plug-In Codes — Loop Electronics	363-099-078MA	1	SLC Series 5 and SLC 96 Carrier Systems — Extended Test Controller (XTC) and 5ESS® Switch Compatibility, Loop Electronics
363-099-062NP	1	SLC Series 5 Carrier System Fiber-to-the- Home Feature — Loop Electronics	363-099-079IR	1	SLC 96 Carrier Systems — Availability of WM1E Transmit/Receive Unit, Loop Electronics
363-099-063IR	1	SLC Series 5 Carrier Dual Ringing Repeater Unit — Loop Electronics	363-099-080IR	1	SLC Series 5 Carrier System EBS (Enhanced Business) (P-Phone) Channel Offering, Loop Electronics
363-099-064MA	1	SLC Series 5 Carrier System Feature Package B Bank Control Unit Upgrade — Loop Electronics	363-099-081MA	1	Barcode Label Error on DDM-1000 Circuit Pack, Loop Electronics
363-099-065MA	1	SLC Series 5 Carrier System Fault Locate Test Adapter (AUA78) — Loop Electronics	363-099-082IR	1	New SLC 96 Carrier System Circuit Packs, Loop Electronics
363-099-066IR	1	SLC 96 Carrier System F-62115 Data Link Unit — Loop Electronics	363-099-083IR	1	SLC Series 5 Carrier System Craft Interface Unit Quick Reference Card, Loop Electronics
363-099-067IR	1	7A REG Upgrade to 7B REG, Loop Electronics	363-099-084IR	1	SLC 96 Carrier System — Availability of WN9C Data Link Unit, Loop Electronics
363-099-069IR	1	Discontinued Availability of Equipment for DCLU 5, Loop Electronics	363-099-085NP	1	SLC Series 5 Carrier System Enhanced Feature Package B, Loop Electronics

Number	Issue	Subject	Number	Issue	Subject
363-099-086IR	1	SLC Series 5 Carrier System Centralized Operations and Provisioning, Loop Electronics	363-099-107IR	1	SLC Series 5 Carrier System Dual Private Line Automatic Ringdown Channel Unit, Loop Electronics
363-099-087MR	1	Problem with 336A (SER5 PU) Rectifier and 337A (SER4 PU) Battery Charger, Loop Electronics	363-099-108IR	1	SLC Series 5 Carrier System Calling Line Identification With On-Hook Transmission
363-099-088MA	1	SLC Series 5 Carrier System Alarm Display Unit — Fail, Near End Indications, Loop Electronics	363-099-109IR	1	New SLC Series 5 Carrier AUA 90 T-BRITE ISDN Channel Unit, Loop Electronics
363-099-089MG	1	Code Change for Screened 336A (Ser 5 PU) Rectifier and 337A (Ser 4 PU) Battery Charger, Loop Electronics	363-099-110MA	1	SLC Series 5 Carrier System Feature Package B - Bank Control Unit Upgrade (Issue 5), Loop Electronics
363-099-092NP	1	SLC Series 5 Carrier System INA-RT (Integrated Network Access-Remote Terminal), Loop Electronics	363-099-113IR	1	Discontinued Availability of 8A REG, Loop Electronics
363-099-093MA	2	SLC 96 Carrier System — WP2C Series 4 SSU Common Unit Noise Problem, Loop Electronics	363-099-114IR	1	Warranty Eligibility System for DDM-1000 Circuit Packs, Loop Electronics
363-099-094IR	1	SLC Series 5 Carrier System — 3C Ringing Generator, Loop Electronics	363-099-115MA	1	SLC Series 5 Carrier System AUA41 Channel Unit Signaling Deficiency, Loop Electronics
363-099-095MA	1	SLC Series 5 Carrier System — AUA44 Channel Unit Noise, Loop Electronics	363-099-117IR	1	SLC Series 5 Carrier System — XTC (Extended Test Controller), Loop Electronics
363-099-096IR	1	SLC Series 5 Carrier System — Extended Test Controller, Loop Electronics	363-099-118IR	1	FT1 Series DS1 Electrical/Optical Converter, Loop Electronics
363-099-097IR	1	DDM-1000 User's Manual, Loop Electronics	363-099-119IR	1	SLC Series 5 Carrier System Naming Conventions, Loop Electronics
363-099-098IR	1	New SLC Series 5 Carrier BASE10 VerSUS* Network Channel Units, Loop Electronics	363-099-120IR	2	SLC Series 5 Carrier Equipment 2A and 2B Fan Unit Applications, Loop Electronics
363-099-102IR	1	SLC Series 5 Carrier System Line Interface Units, Loop Electronics	363-099-121IR	1	SLC Series 5 Carrier Brite II ISDN Channel Unit, Loop Electronic
363-099-104IR	1	SLC 96 Carrier System Line Interface Units, Loop Electronic	363-099-122IR	1	UL* Listed Power Units and Ringing Generators for SLC Carrier Applications, Loop Electronics
363-099-105TD	1	SLC Series 5 Carrier System — Integrated Network Access — Remote Terminal, Loop Electronics	363-099-123IR	1	SLC Series 5 Carrier System Testing and Power Minor Alarms With Mixed Feature Packages, Loop Electronics
			363-099-124NP	1	UL* Listed SLC Series 5 Carrier System Remote Terminal, Loop Electronics

\* VerSUS is a registered trademark of Base 10 (BT-Telecom, Inc.)

\* UL is a registered trademark of Underwriters Laboratories, Inc.

Number	Issue	Subject	Number	Issue	Subject
363-099-125TD	1	Modifications to T-Carrier Small Cross- Section Repeater Shelf (SXSS), Loop Electronics	363-099-143MG	1	Loop Electronics — WESTERN ELECTRIC® Products — Automated Office-to-Office (OTO) Cutover Procedures - Converting Universal SLC Series 5 Carrier Systems to Integrated Feature Package B
363-099-126IR	1	FT1-DS1 Optical/Electrical Converter Shelf, Loop Electronics	363-099-144NP	1	SLC-2000 Multi-Services Distant Terminal (MSDT), Loop Electronics
363-099-127MA	1	FT1-SLC Series 5 Carrier System — AUA53 Channel Unit Coin Problem, Loop Electronics	363-099-145MG	1	SLC Series 5 Carrier Sticking Alarm Contacts, Loop Electronics
363-099-128MA	2	SLC ® Carrier Pair Gain Test Controller (PGTC) — SM87C Circuit Pack Incompatibility	363-099-146IR	1	SLC Series 5 Carrier System 80E Community Service Cabinet and Bulk Power Plant, Loop Electronics
363-099-129TD	1	DS1 Extension Shelf, Loop Electronics	363-099-147IR	1	SLC Series 5 Carrier ALC AUA158 RT Pots and AUA159 RT POTS/SPOTS Dual Channel Units
363-099-130IR	1	New AUA150 POTS/SPOTS® Channel Unit for SLC Series 5 Carrier Systems, Loop Electronics	363-099-148IR	1	SLC Series 5 Carrier AUB3B Alarm Interface Unit
363-099-131NP	1	Fiber-to-the-Home Feature Enhancement Plan — Loop Electronics	363-099-149IR	1	4TO and 4ETO Circuit Design and Provisioning, Loop Electronics
363-099-132IR	1	DS1 SLC Series 5 Carrier System UL* Listed — 181B — Apparatus Mounting Battery Shelf, Loop Electronics	363-099-150IR	1	SLC Series 5 Carrier AUA34B DSO Dataport and AUA52B OCU Dataport Channel Units, Loop Electronics
363-099-135MG	1	SLC Carrier Line Interface Units — Compatible Line Code Settings — Loop Electronics	363-099-152IR	1	SLC Series 5 Carrier — MC97776A1 Bank Control Unit (BCU), Loop Electronics
363-099-136IR	1	SLC Series 5 Carrier Fiber-to-the-Home Feature Enhanced Testing Capability	363-099-153IR	1	SLC 96 Carrier System 1A Fuse and Filter Panel, Loop Electronics
363-099-137MA	1	SLC 96 Carrier Line Interface Unit (WN2D, WN4D) Deficiency	363-099-154IR	1	SLC® Series 5 Carrier System J1C182BD 20 Ampere — Power Plant — Loop Electronics
363-099-138MA	1	SLC Carrier Pair Gain Test Controller (PGTC) SM87C Circuit Pack Incompatibility	363-099-155MG	1	Feature Package D Cutover Procedures - Converting Feature Package D Remote Terminal (RT) to Feature Package B Integrated Mode 2 RT
363-099-139IR	1	New Fuse Units for the SLC Series 5 Carrier System, Loop Electronics	■ 363-099-156MG	1	Feature Package D Cutover Procedures Converting Feature Package D Remote Terminal to Feature Package B Integrated Mode 2 Remote Terminal
363-099-140IR	1	Warranty Extension for SLC Series 5 Carrier System and SLC Series 5 Fiber to the Home Plug-ins, Loop Electronics	363-099-157MG	1	SLC 96 Carrier System WN2D, WN4D Line Unit, Loop Electronics
365-099-141TD	1	The 90 Type Business Remote Terminal (BRT) Cabinet, Loop Electronics			
363-099-142MA	1	AUA62C, D — AUA64C, D Line Interface Units (LIU) Test Deficiency			

Number	Issue	Subject
363-099-158MA	1	SLC 96 Carrier System Fan Cord Assembly Potential Safety Condition
363-099-159IR	1	SLC Series 5 Carrier System Quick Reference Card Plug-In Option Settings
363-099-161NP	12/93	The BRT-2000 Access System

Number	Issue	Subject
363-102-502	2	Adjustments and Tests — High Group
363-102-503	2	Adjustments and Tests — Low Group
363-102-504	1	Preparation for Connecting to Line
363-102-505	1	Abbreviated Adjustment Procedure
363-102-506	2	How to Locate Trouble
363-102-507	1	Field Modification of 800AA Network Line Board and 386A Apparatus Case

**363-1 P1 Carrier Telephone System**

**363-100 Identification, Installation, and Connections**

363-100-100	3	Identification, General Description, and Use
363-100-101	1	Installation and Connections — General Information — Remote Terminal and Repeater
363-100-102	2	Installation and Connections — Remote Terminal
363-100-103	2	Installation and Connections — Repeaters

**363-101 Adjustments and Maintenance — Central Office and Remote Terminal**

363-101-100	2	General Information and Test Equipment
363-101-101	1	Preparation for Central Office Terminal
363-101-502	2	Central Office Terminal Tests — Transmitting
363-101-503	2	Central Office Terminal Tests — Receiving
363-101-504	1	Preparation for Remote Terminal
363-101-505	1	Remote Terminal Tests — Transmitting
363-101-506	4	Remote Terminal Tests — Receiving
363-101-507	1	Preparation for Connecting to Line
363-101-508	2	Abbreviated Adjustment Procedure
363-101-509	2	How to Locate Trouble

**363-102 Adjustments and Maintenance — Repeaters**

363-102-100	1	General Information and Test Equipment
363-102-501	1	Preparation for Repeater and Test Set

**363-103 System Line-Up and Maintenance**

363-103-100	1	General Information and Test Equipment
363-103-501	1	Preparation for System Line-Up
363-103-502	1	Nonrepeated Systems Line-Up
363-103-503	1	Nonregulated Repeater Systems Line-Up
363-103-504	1	Regulated Repeater Systems Line-Up
363-103-505	1	How to Locate Trouble

**363-104 Alternate System Line-Up**

363-104-100	1	General Information and Test Equipment
363-104-501	1	Preparation
363-104-502	1	Nonrepeated Systems
363-104-503	1	Regulated Repeater Systems
363-104-504	1	Level Coordination
363-104-505	1	Table 1 — High-Group Repeater Input Power
363-104-506	1	Table 2 — High-Group Repeater Output Power
363-104-507	1	Table 3 — Temperature Correction for High-Group Output Power
363-104-508	1	Table 4 — High-Group Regulator Volts
363-104-509	1	Table 5 — Temperature Correction for Output Power at -40 F
363-104-510	1	Table 6 — Desired Low-Group Output Power
363-104-511	1	Table 7 — Low-Group Regulator Volts
363-104-512	1	Table 8 — Temperature Correction for Output Power



Number	Issue	Subject	Number	Issue	Subject
<b>363-2 Metallic and Fiber Digital Carrier Systems</b>					
<b>363-200 Testing, Recent Changes, and Subscriber Loop Multiplexer</b>					
<b>Testing and Recent Changes</b>					
▲363-200-005	3	Integrated SLC Carrier Systems	363-201-206	3	Installation Tests for Systems Using Frame-Mounted Remote Terminal
<b>Subscriber Loop Multiplexer</b>			363-201-207	1	Installation Tests for Systems Interfacing With M1-Type Multiplexers
Addendum	1		Addendum	1	
363-200-010	1	DCLU Integrated SLC Carrier System — General Information Manual	363-201-215	2	Digital Line and Repeater Preservice Tests
363-200-100	3	Overall System Description	363-201-216	1	Active Fault-Locating System — ED-2C374 Active Fault-Locating Panel Turnup, Active Filter (1114/1115-Type) Preinstallation Tests, and Initial Fault-Locating Line and System Tests
363-200-105	2	Control Terminal Description	363-201-225	1	Line Repeater Preinstallation Tests
363-200-110	2	Remote Terminal Description	363-201-300	1	Channel and Drop Test Equipment — Description, Installation, and Trouble Procedure
363-200-115	1	Digital Line Description	Addendum	1	
363-200-120	1	Order-Wire Circuit — Description, Operation, Installation, and Maintenance	▲363-201-400	2	Installation and Maintenance — Pair Gain Systems
363-200-205	3	Control Terminal Installation Procedures	363-201-500	4	Maintenance and Trouble-Locating for Systems Using Remote Terminal (RT) Cabinet
363-200-210	4	Remote Terminal Installation Procedures	Addendum	1	
Addendum	1		363-201-501	2	Maintenance and Trouble-Locating for Systems Using a Remote Terminal Frame
363-200-215	1	Digital Line Preservice Tests	363-201-502	1	Maintenance and Trouble-Locating for Systems Interfacing With M1-Type Multiplexers
363-200-505	1	Control Terminal Trouble Locating and Maintenance Procedures	363-201-515	2	Digital Line Fault-Locating Procedures
Addendum	1		363-201-516	1	Digital Line Fault-Locating Tests and Procedures Using Active (1114- or 1115-Type) Filters
363-200-510	1	Remote Terminal Trouble-Locating and Routine Maintenance Procedures	<b>363-202 SLC 96 and SLC 24 Carrier Systems, Light-guide Interconnections, and LM-Type Multiplexers</b>		
363-200-515	2	Digital Line Tests and Fault-Locating Procedures	Revision 1	12/94	
363-200-520	1	Preinstallation	363-202-000	3	SLC 96 Carrier System Ordering Guide
363-200-525	1	J87397A and B Power Supplies — Remote Repeater Power Feed Terminal	Revision 1	12/94	
363-200-530	1	Coin Telephone Installation and Trouble-Locating Procedures	363-202-010	1	SLC 96 Carrier System — Application and Planning Guide
363-200-535	1	Four-Party Fully Selective Ringing Adapter — Description, Installation, and Maintenance	363-202-020	1	SLC 96 Carrier System PC Configuration
<b>363-201 SLC® 40 Carrier System</b>					
363-201-100	4	General Description			
363-201-205	4	System Installation Tests for Systems Using a Cabinet-Type Remote Terminal			

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		363-202-525	2	SLC 96 Carrier System — Remote Power Feed Terminal (RPFT) — Description, Installation, and Maintenance
363-202-100	4	SLC 96 Carrier System — General Description — Pair Gain Systems	363-202-600	2	SLC 96 Carrier System — Installation of Shelves — Nonbulk Protected Remote Terminals
363-202-101	1	Lightguide Cable Interconnection Terminal (LCIT) — General Description	363-202-601	2	SLC 96 Carrier System — Remote Terminal Cabinet (AT-8908M) — Installation of Shelves
363-202-102	1	Lightguide Interconnection (Single-Fiber) — Cable and Connectors — Description and Use	363-202-602	3	SLC 96 Carrier System — Installation of Shelves — Bulk Protected Remote Terminals
363-202-103	1	LM23 Multiplexer — General Description — Loop Transmission Systems			
363-202-104	1	LM12 Multiplexer — General Description — Loop Transmission Systems	<b>363-203 SLIM (Subscriber Loop Interface Module) and DCLU- 5 (Digital Carrier Line Unit-5)</b>		
363-202-200	2	Fiber SLC 96 Carrier — General Description	<b>SLIM</b>		
363-202-214	2	Lightguide Cable — Preservice Testing	363-203-100	2	General Description
⊕363-202-300	5	Pair Gain Test Controller and Test Bus Control Unit — Description and Installation	Addendum	1	
▲363-202-400	4	SLC 96 Carrier System — Central Office Terminal — Pair Gain Systems	363-203-101	2	Installation and Maintenance
▲363-202-401	2	SLC 96 Subscriber Loop Carrier System — Remote Terminal — Pair Gain Systems	<b>DCLU-5</b>		
Addendum	1		363-203-110	1	Digital Carrier Line Unit 5 — General Description
▲363-202-402	2	SLC 96 and SLC 24 Carrier Systems — Channel Unit Installation	<b>363-204 SLC 24 Carrier System and Fiber SLC 24 Carrier</b>		
▲363-202-403	1	Fiber SLC 96 Carrier System — Central Office Terminal, DS2 Optical and DS2 Electrical	363-204-100	1	General Description
▲363-202-404	1	Fiber SLC 96 Carrier System — Remote Terminal DS2 Optical and DS2 Electrical	▲363-204-200	1	Fiber — General Description — Loop Transmission Systems
▲363-202-405	2	LM23 Multiplexer (Single and Multimode) — Acceptance, Installation, and Maintenance	363-204-400	1	Installation and Maintenance
▲363-202-406	1	Fiber SLC 96 Carrier — System Turn-up Procedures — LM23 Multiplexer Facility	<b>363-205 SLC Series 5 Carrier System</b>		
▲363-202-407	1	LM12 Multiplexer — Acceptance, Installation, and Maintenance	<b>Revision 1</b>		
▲Addendum	1		⊕363-205-000	4	SLC Series 5 Carrier System Ordering Guide (9-93)
▲363-202-500	2	SLC 96 Carrier System — Maintenance Loop Transmission System	Appendix 1	5	Quick Reference Ordering Guide (10-93)
			⊕363-205-002	D	Fiber-To-The-Home Feature — User's Manual
			⊕363-205-003	1	SLC-2000 Multi-Services Distant Terminal Feature — Applications, Planning, and Ordering Guide (11-93)
			⊕363-205-004	4	SLC-2000 Multi-Services Distant Terminal Feature — User/Service Manual (3-95)

Number	Issue	Subject	Number	Issue	Subject
⊕363-205-010	3	Applications and Planning Guide — Loop Transmission Systems (6-94)	363-205-112	1	SLC 5 Operations Interface 1.0 — Administration Guide
⊕363-205-011	2	UL Listed Remote Terminal Installation	⊕363-205-113	1	SLC Series 5 Carrier System — AUA94 U-DSL ISDN Channel Unit — Installation and Maintenance (10-93)
363-205-015	2	SLC Series 5 Pocket Reference (12-94)	363-205-115	2	SLC Series 5 Carrier System — Quick Reference Card Plug-In Option Settings
363-205-020	3	PC Configurator	363-205-116	1	SLC Series 5 Carrier System Feature Package C (FPC) with Autocut (FPC/AC) Brite II Channel Unit Installation and Maintenance (6/94)
■ 363-205-031	2	SLC 5 Kit Table of Contents Volume 1	⊕363-205-300	2	Extended Test Controller — Description, Turnup, and Maintenance
363-205-032	2	SLC 5 Kit Table of Contents Volume 2	⊕363-205-400	4	Central Office Terminal — Acceptance and Turnup
363-205-033	2	SLC 5 Kit Table of Contents Volume 3	Revision 1	11/93	
363-205-034	2	SLC 5 Kit Table of Contents Volume 4	⊕363-205-401	6	Remote Terminal — Acceptance and Turnup Loop Transmissions System (11-93)
363-205-035	1	SLC 5 Kit Table of Contents Volume 5	▲Appendix A	1	SLC Series 5 Carrier System — Quick Reference Card for Cabinet/Frame Power Up
Addendum	1		▲Appendix B	1	SLC Series 5 Carrier System — Quick Reference Card RT Plug-in Option Settings
363-205-100	4	General Description	▲Appendix C	1	SLC Series 5 Carrier System — Quick Reference Card RT Turn Up
363-205-101	3	Craft Interface Unit — Description	⊕▲Revision 2	11/93	
363-205-102	2	J99404TA CIU Quick Reference Guide (12-92)	⊕▲Revision 1	6/93	
⊕363-205-103	2	Centralized Operations and Provisioning — Installation, Test, and Maintenance	⊕▲Addendum	1	
⊕363-205-104	1	Integrated Network Access — Remote Terminal — User's Guide	⊕▲363-205-402	4	Channel Unit Installation (4-92)
⊕363-205-105	2	SLC Series 5 LTU/LTC User's Manual	⊕▲Revision 1	11/93	
⊕363-205-106	1	T-BRITE Channel Unit for ISDN — Installation and Maintenance	⊕▲363-205-406	5	End-to-End System Tests
⊕363-205-107	1	AUA93 BRITE II Channel Unit for ISDN — Installation and Maintenance	⊕▲363-205-500	4	Maintenance and Trouble Clearing
⊕363-205-108	1	SLC Series 5 Carrier System Automated Office-to-Office Cutover Procedure	⊕▲Appendix 1	1	Maintenance and Trouble Clearing (11-93)
⊕Addendum	2				
363-205-109	1	Line Test Translator and Line Test Fanout Unit — User's Guide (1-92)			
363-205-110	1	Cable Measurement Method For Determining Provisioning Settings For Special Service Channel Units			
363-205-111	1	SLC 5 Operations Interface 1.0 — User's Guide			
			<b>363-206 Multiplexers and Networks</b>		
			DDM 1000		
			Revision 2	6B	
			Revision 1	6A	
			⊕363-206-100	6	DDM 1000 Dual DS3 Multiplexer — Loop and Trunk — User/Service Manual (3-93)

Number	Issue	Subject
■ 363-206-100AC	2	Dual Digital Multiplexer
■ Appendix 1AC	2	Description
■ Appendix 2AC	2	Planning Guidelines
■ Appendix 3AC	2	Specifications
■ Appendix 4AC	2	Installation and Maintenance

**DDM Plus**

⊕Addendum	1	
⊕363-206-150	3	DDM-Plus User/Service Manual (1-92)
⊕363-206-151	1	DDM-Plus — Installation Manual
⊕363-206-152	3	DDM-Plus Quick Reference Guide (2-93)
363-206-154	1	DDM-Plus Wall Distant Terminal Installation Manual
⊕363-206-156	2	DDM-Plus Equipment Engineering and Ordering Guide (2-93)
⊕363-206-157	2	DDM-Plus ED-8C730-33 Wall Distant Terminal — Installation Manual (12-92)
363-206-160	1	DDM-Plus Planing Tool (10-92)

**DDM 2000**

⊕363-206-200	6	DDM-2000 Network Multiplexer Applications, Planning and Ordering Guide (2-95)
⊕363-206-201	5	DDM-2000 OC-3 Multiplexer — System Commands Quick Reference
⊕363-206-202	5	DDM-2000 OC-3 Multiplexer — Releases 2, 3, 5, 6, and 7 — User/Service Manual (3-94)
⊕363-206-204	5	DDM-2000 OC-3 Multiplexer — Installation Manual — Releases 2, 3, 5, 6, and 7 (5-94)
⊕363-206-206	3	OC-12 Commands Quick Reference Guide
Revision 3A	6/94	
⊕363-206-207	3	DDM-2000 OC-12 Multiplexer — User/Service Manual — Releases 1, 2 and 3 and Regenerator Releases 1 and 2 (2-94)
⊕363-206-208	3	DDM-2000 OC-12 Multiplexer — Installation Manual (12-92)
⊕363-206-209	1	DDM-2000 OC-3 Software Release Description R2/2.1
⊕363-206-220	5	DDM-2000 OC-3 Multiplexer — Circuit Pack Options Job Aid

Number	Issue	Subject
⊕363-206-222	2	DDM-2000 Job Aid
⊕363-206-223	1	DDM-2000 Regenerator Commands
363-206-260	1	DDM-2000 Planing Tool (10-92)

**DDM-2000 Fiber Reach**

363-206-300	1	DDM-2000 Multiplexer — Fiber Reach — Application, Planning, and Ordering Guide (1-95)
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**363-207 SLC 120 Network Access System**

Addendum	2	
363-207-001	4	Description, Application, and Engineering Manual (9-92)
Addendum	1	
363-207-002	3	Operation and Maintenance Manual
Addendum	1	
363-207-003	3	SLC 120 Network Access System — Installation Manual
Revision 1	2/95	
363-207-004	2	SLC 120/240 Network Access System — Integrated SITA System User's Guide (12-94)
363-207-011	3	SLC 240 Network Access System — Customer Information Manual (12-94)
363-207-012	3	SLC 240 Network Access System — Turnup and Maintenance Manual (12-94)
363-207-013	1	SLC 240 Network Access System — Installation Manual

**363-208 SLC-2000 Access System**

⊕363-208-000	4	SLC-2000 Access System — Applications, Planning and Ordering Guide (5-95)
⊕363-208-001	6	SLC-2000 Access System — User/Service Manual (12-94)
Appendix 1	2	DDM-2000 OC-3 Multiplexer and SLC-2000 OC-3 SONET Subsystem — System Commands Quick Reference (10-93)
Appendix 2	2	DDM-2000 OC-3, OC-12 Multiplexer, and SLC-2000 SONET Subsystem — Circuit Pack Options Job Aid (10-93)

Number	Issue	Subject	Number	Issue	Subject
Appendix 3	2	SLC-2000 Access System — Quick Turnup Job Aid (10-93)	<b>363-301 SLC 8 Carrier System</b>		
Appendix 4	2	SLC-2000 Access System — Turnup and Maintenance Job Aid (10-93)	363-301-100	2	General Description
363-208-003	5	SLC-2000 Access System — Command and Message Manual (4-95)	▲Addendum	1	
⊕363-208-006	2	SLC-2000 Access System — DLC Subsystem — Software Release Description — Release 2.00.03 M:1111 — (TR8 MODE 1) (MC97790A1, I3:3) (10-93)	▲363-301-400	2	Installation and Maintenance
⊕363-208-007	2	SLC-2000 Access System — DLC Subsystem — Software Release Description — Release 2.00.03 M:1222 — (Mixed Mode — TR8 MODE 1 and TR8 MODE 2) MC97791A1, I3:3)	363-301-525	1	Remote Power Feed — 231 Remote Power Feed Terminal (RPFT) — Description, Installation, and Maintenance
⊕363-208-008	2	SLC-2000 Access System — DLC Subsystem — Software Release Description — Release 2.00.03 M:2222 — (TR8 MODE 2)( MC97791A1, I2:2)	<b>363-4 Single-Channel Carrier Systems</b>		
363-208-010	3	SLC-2000 Access System — Customer Assembly Manual for RT Frames (8-94)	<b>363-400 SLC 1 Carrier System</b>		
363-208-011	2	SLC-2000 Access System Customer Assembly Manual for COT Frames (7-94)	363-400-100	2	General Description
363-208-015	1	SLC-2000 Access System — Human Interface to the Integral Test Head (ITH) (6-93)	Addendum	1	
			363-400-300	1	Central Office Installation and Testing
<b>363-3 Analogue Carrier Systems</b>			<b>363-401 Data SLC Carrier System</b>		
<b>363-300 KS-20988 Multichannel Subscriber Carrier System</b>			363-401-100	1	Local Area Data Transport (LADT) Network — General Description
363-300-100	1	Description	<b>363-7 Pair Gain Systems</b>		
363-300-205	1	Central Office Terminal — Installation and Preservice Tests	<b>363-700 LSS (Loop Switching System)</b>		
363-300-300	1	General Maintenance Plan	363-700-100	1	Overall Description
363-300-305	1	Central Office Terminal — Trouble Tests and Procedures	363-700-200	1	Installation and Testing Procedures
363-300-310	1	KS-20988 — Repeated Line and Subscriber Terminal — Trouble Tests and Procedures	363-700-500	1	Maintenance and Trouble-Locating Procedures
			<b>363-701 No. 10A RSS (No. 10A Remote Switching System)</b>		
			363-701-215	1	Digital Line Preservice Tests
			363-701-216	1	Active Fault-Locating and Order Wire Systems — Fault-Locating and Order Wire Panel Installation, Turnup and Tests
			363-701-515	1	Digital Line Fault-Locating Procedures Using Passive (598 or 1068) Filters
			363-701-516	1	Digital Line Fault-Locating Tests and Procedures Using Active (1114- or 1115- Type) Filters

**Division 364AC**

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**Submarine Cable Systems**

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Distribution of this index is limited. It can be ordered individually as 364-000-000AC.

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**Division 365**


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**Digital Transmission Systems**


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- 365-0 Index, Record Cards, Equipment Test Lists, Data Sheets, and General Information
- 000 Index and Record Cards
  - 001 Equipment Test Lists
  - 005 Channel Unit Data Sheets — D4 and D5 Channel Banks
  - 010/-020 Document Indexes and General Information — Digital Transmission Systems
  - 030 Transport Provisioning
  - 098 Customer Information Releases (CIRs)
  - 099 General Distribution CIRs
- 365-1 D1, D3, and D4 Channel Banks, D5 Digital Terminal System, Wideband Data Terminals, and Facility Connectors
- 100 D1 Channel Bank
  - 116 D1D Channel Bank
  - 118 Wideband Data Terminals
  - 150 D3 and D3B Channel Banks
  - 170 D4 Channel Bank
  - 180 Facility Connectors
  - 181 Granger Transmux Facility Connector
  - 190 D5 Digital Terminal System
- 365-2 T1, T1 Outstate (T1/OS), T1C, and T1D Digital Lines
- 200 T1 and T1 Outstate (T1/OS) Digital Lines
  - 250 T1 Outstate (T1/OS) and T1C Digital Lines
  - 271 T1C Digital Line and T1C Automatic Protection Switch
  - 272 T1D Digital Line
  - 285 T1G Digital Transmission System
  - 287 BCM32000
- 365-3 Maintenance Facilities — Digital Access Cross-Connect System (DACS)
- 300 Cross-Connect Facilities and Lightwave Interconnection — DACS
  - 301 DACS (Digital Access Cross Connect System)
  - 305 IACS (Integrated Access Controller System)
- 306 DACSCAN™-2000 Controller C-Module — Surveillance and Control System)
  - 307 DACSCAN™-2000 Controller T-Module — Surveillance and Control System)
  - 320 J98710-E T1 and T1 Outstate (T1/OS) Order-Wire Facilities
  - 325 J98725H T1, T1 Outstate (T1/OS), T1C, T1D, and T2 Order-Wire Facilities
  - 326 J98741( ) Optical Order Channel and Alarm Telemetry (OOCAT) System
  - 330 T-Carrier Administration System
  - 331 DACS III 2000 Release 2.0
  - 335 DACS III 2000 Release 2.0 NSD Supplement
  - 340 DACS IV 2000 (Release 2.1d Simplex)
  - 345 DACS IV-2000 (Release 2.1)
  - 352 DACS II
  - 353 DACS II Release 6.0
  - 359 DACS II ISX
- 365-4 D2 Channel Bank and Non-AT&T Digital Carrier Systems
- 400 D2 Channel Bank
  - 456 Non-AT&T Digital Carrier Systems
- 365-5 High Speed/Lightwave Digital Lines/FT Series G
- 500 T2 Digital Line
  - 550 T4M Digital Line
  - 560 FT3/FT3C/FTX-180 Lightwave Digital Line
  - 565 FT (Fiber Transmission) Series G Lightwave Systems
  - 571 T4M Span Terminating Frame
  - 575 FT-2000 Lightwave System
- 365-6 Digital Multiplexes, DS3 and DS4 Systems, FT3/FT3C/FTX-180 Facilities, and FT Series G
- 600 M1-2 Digital Multiplex
  - 601 M13 Digital Multiplex
  - 602 MX3/MX3C Digital Multiplex, FT3/FT3C/FTX-180 Terminals, and MC-90/180 Maintenance Communication Facility
  - 603 M34 Digital Multiplex
  - 604 M1C Digital Multiplex
  - 605 M1C-A Digital Multiplex
  - 671 DS3 and DS4 Systems
  - 672 M1C Digital Multiplex

- 674 Lightwave Data Set
- 675 Lightguide MX3/MX3C/FTX-180 Digital Multiplex and FT3/FT3C/FTX-180 Line Repeater Station
- 680 DCO-PNI (Digital Central Office-Packet Network Interface) and FT (Fiber Transmission) Series G Terminal and Line Repeater Station
- 690 International Applications
- 365-7 DTV (Digital TV)
- 700 Codec Interim Design
- 365-8 T1 Carrier Systems
- 365-9 Digital Subscriber Lines
- 900 Asymmetrical Digital Subscriber Line (ADSL)
- 365-W WIPs (Workcenter Information Packages)



**NOTE:**

Documents in this division carrying this symbol ⊕ are available in electronic form in 300-100-XXX.

Number	Issue	Subject
<b>365-0 Index, Record Cards, Equipment Test Lists, Data Sheets, and General Information</b>		
<b>365-000 Index and Record Cards</b>		
365-000-000	52	Numerical Index Division 365 — Digital Transmission Systems (5-95)
Addendum	1	
365-000-010	3	Terminal and Repeatered Line Central Office Record Cards
<b>365-001 Equipment Test Lists</b>		
365-001-011	16	D Channel Banks by Frame
365-001-012	7	D Channel Banks by End Office
365-001-013	7	T1 Lines
365-001-014	6	T1C Lines
365-001-015	5	Digital Multiplex
365-001-016	4	T1 Outstate
▲365-001-017	5	Wideband Data
365-001-018	3	T2 LinesE
365-001-019	2	T4M Digital Line
365-001-020	1	T1D Lines
<b>365-005 Channel Unit Data Sheets — D4 and D5 Channel Banks</b>		
365-005-000	1	D4 Channel Bank — Binder NOTE: Provides binder and all D4 Channel Unit Data Sheets Issued to Date
365-005-001	3	J98726BJ-2, L2; BJ-3, L3 2E&M9 Channel Unit D4CE200
365-005-002	2	J98726BT-2, L2 2E&M6 Channel Unit D4CE600
365-005-003	3	J98726BC-2, L2; BC-3, L3 4E&M Channel Unit D4CE100
365-005-004	4	J98726BP-2, L2; BP-3, L3 4E&MER Channel Unit D4CE120 (8-92)
365-005-005	1	J98726BA-4, L4, B DPO Channel Unit D4CD100
365-005-006	1	J98726BB-2, L2, B DPT Channel Unit D4CD200
365-005-007	1	J98726BH-3, L3 SDPO Channel Unit D4CD300
365-005-008	1	J98726BM-2, L2 B DPMO Channel Unit D4CD400
365-005-009	1	J98726BY-1, L1 4LSXO Channel Unit D4CL100
365-005-010	2	J98726BE-2, L2, B 2FXO Channel Unit D4CX200
365-005-011	1	J98726BD-3, L3, A 2FXS Channel Unit D4CX100
365-005-012	1	J98726BL-1, L1A 2FXOLS Channel Unit D4CX800
365-005-013	1	J98726BK-1, L1 A 2FXSLS Channel Unit D4CX700
365-005-014	2	J98726SK-2, L2; L2,T; L2,T, MODA 2FXO/GT Channel Unit D4CX401, 403
365-005-015	1	J98726SG-2, L2 2FXS/GT Channel Unit D4CX301
365-005-016	1	J98726SC-2, L2 4FXO Channel Unit D4CX611
365-005-017	2	J98726SB-2, L2 4FXS Channel Unit D4CX511
365-005-018	1	J98726SD-2, L2 2DX/GT Channel Unit D4CE331
365-005-019	2	J98726SE-2, L2; L2,A; L2,T; L2,A,T 4DX Channel Unit D4CE411, 451
365-005-020	2	J98726BN-2, L2; BN-3, L3 PLR Channel Unit D4CE700



Number	Issue	Subject	Number	Issue	Subject
365-005-021	1	J98726SF-2, L2 4TDM Channel Unit D4CE500	365-005-043	3	J98726BA-5, L5 DPO Channel Unit D4CD101
365-005-022	1	J98726SJ-2, L2 2TO Channel Unit D4C0200	365-005-044	1	J98726SN-1, L1 2RD/PLAR Channel Unit D4C2300
365-005-023	1	J98726SH-2, LT2 4TO Channel Unit D4C0110	365-005-045	2	J98726SP-1, L1 4RD/PLAR Channel Unit D4C2400
365-005-024	1	J98726SQ-3, L3 4ETO Channel Unit D4C0310	365-005-046	1	J98726GA-1, L1, SEC MC S Channel Unit D4CA100
365-005-025	1	J98726CA-1, L1 PG5T Channel Unit D4CP100	365-005-047	1	J98726GB-1, L1, SEC MC O Channel Unit D4CA200
365-005-026	2	J98726CB-1, L1; CB-2, L2 PG5R Channel Unit D4CP200, D4CP210	365-005-048	2	J98726CE-1, L1, A, B, PG15T Channel Unit D4CP504
365-005-027	1	J98726CC-1, L1 A PG8T Channel Unit D4CP301	365-005-049	2	J98726CF-1, L1, A, B, C, PG15R Channel Unit D4CP604
365-005-028	2	J98726CD-1, L1; CD-2, L2 PG8R Channel Unit D4CP400, D4CP401	365-005-050	2	J98726PA-2, L1; L2 RXO Channel Unit D4DC210, 211
365-005-029	1	J98726BF-1, L1 A RPO Channel Unit D4CR100	365-005-051	2	J98726PB-1, L1; L2 TRXS Channel Unit D4DC310, 312
365-005-030	1	J98726BG-1, L1 RPT Channel Unit D4CR200	365-005-052	1	J98726DF-1, L1 CSDC MTCE Channel Unit D4DC100
365-005-031	1	J98726DA-1, L1 DSO DP (64 KB/S) Channel Unit D4DP100	365-005-053	1	J98726DG-1, L1 PSDP Channel Unit D4DP1A0
365-005-032	1	J98726DB-1, L1, 2, and 3 OCU DP Channel Unit D4DP200, D4DP300, D4DP400	365-005-054	2	J98726BT-3, L3 2E&M6 Channel Unit D4CE600
365-005-033	1	J98726DC-1, L1 DSU DP Channel Unit D4DP500	365-005-055	1	J98726BH-4, L4 SDPO Channel Unit D4CD300
365-005-034	2	J98726DD,L1; L1,B DSO DP 56 KB Channel Unit J98726DD,L1;L1,B DSO D4DP600	365-005-056	1	J98726BE-3, L4 2FXO Channel Unit D4CX235
365-005-035	2	J98726DE-1,L1; L1,A; L1,A,B 56 KB OCU DP Channel Unit D4DP700	365-005-057	2	J98726CG-1, 4E&MD Channel Unit D4CE140
365-005-036	1	J98726BS-2, L2 ES20 Channel Unit D42C101	365-005-058	1	J98726DB-2,L4,L5, and L6 OCU DP Channel Units D4DP210, D4DP310, D4DP410
365-005-037	1	J98726BR-2, L2 B ES2T Channel Unit D42C200	365-005-059	1	J98726DA-2,L2; L2,A; L2,A,B DSO (64 KB/S) Channel Units D4DP110
365-005-038	1	J98726BU-1, L1 ES 3 Channel Unit D43C001	365-005-060	1	J98726SH-3, L3 4TO Channel Unit D4C0110
365-005-039	1	J98726BW-1, L1 RSCO Channel Unit D4CS100	365-005-061	1	J98726SQ-4, L4 4ETO Channel Unit D4CD310
365-005-040	1	J98726CH-1, L1, DPT6 Channel Unit D4CD210	365-005-062	2	J98726ST-1, L1 2PBX Channel Unit D4CX900
365-005-041	1	J98726SS-1, L1, 2FX06 Channel Unit D4CX22D	365-005-063	1	J98726SU-1, L1 2FXO/LSN Channel Unit D4CX810
365-005-042	1	J98726SR-1, L1, 2FXS6 Channel Unit D4CX110	365-005-064	1	J98726BL-2, L2 2FXOLS Channel Unit D4CX804
			365-005-065	1	J98726CK-1, L1 PG5DT Channel Unit D4CP110
			365-005-066	1	J98726CL-1, L1 PG5DR Channel Unit D4CP220

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		365-005-091	2	J98726BP-4, L4 4E & MER Channel Unit — D4CE120 (8-92)
365-005-067	1	J98726DH-1, L1, B, T, Mod A — All-Rate DSO Dataport D4DP810MJAA	365-005-092	1	J98726BC-4, L4 4E&M Channel Unit D4CE100
365-005-068	1	J98726BK-2, L2 2FXS-LS Channel Unit D4CX704	Addendum	2	
Addendum	2		365-005-093	2	J98726DJ-2, L3 ALLRATE OCU Dataport Data Sheet
365-005-069	1	J98726DJ, L1, All-Rate OCU Dataport D4DP910KAA	365-005-094	1	J98726ST-1 L2 2PBX Channel Unit — D4 Channel Bank
365-005-070	2	J98726SW-2, L2, A, B 4SF Channel Unit D4CUBB4, D4CUBB7, D4CUBB8	365-005-095	2	J98726SN-2, L2 2RD/PLAR Channel Unit D4C2301
365-005-071	1	J98726CN-1, L1 PG7.5T Channel Unit D4CP900LAA	365-005-096	2	AHG38 All Rate DSO Dataport Channel Unit — Data Sheet — D4 Channel Bank (9-92)
365-005-072	1	J98726CP-1, L1 PG7.5R Channel Unit	365-005-098	1	J98726DH-1, L2 All-Rate DSO Dataport D4DP81K
365-005-073	1	J98726BN-4, L4 PLR Channel Unit D4CE705	365-005-099	2	AHG19 KTTE Channel Unit D4C1AB0AXX — D4 Channel Bank
365-005-074	1	J98726BD-4, L4, 2FXS Channel Unit D4CX10A	365-005-100	4	D4 Channel Unit Data Sheets Binder — Table of Contents (4-93)
365-005-075	1	J98726SB-3, L3, 4FXS Channel Unit D4CX525	365-005-101	1	J98726DJ-2 L4 All-Rate OCU Dataport D4DP91K — D4 Channel Bank
365-005-076	1	J98726SE-3, L3, 4DX Channel Unit D4CE456TAA	365-005-102	1	J98726ST-1 L3 2PBX Channel Unit D4CX9 — D4 Channel Unit
365-005-077	1	J98726SW-1, L1 4SF Channel Unit	■ 365-005-103	4	AHG28, S1:2 BRITE II Channel Unit — D4 Channel Bank
365-005-078	4	J98726SG-3, L3, A, L4 2FXS/GT Channel Unit D4CX303ZAA (1-93)	365-005-104	4	AHG18, S1:2 Brite II Channel Unit — D4 Channel Bank
365-005-079	1	J98726BR-3, L3 ES2T Channel Unit D42C202	365-005-105	2	AHG31 Nx64/56 KB/S Data Service Unit Dataport Channel Unit
365-005-080	1	J98726HA-1, L1, Office Channel Unit D4 D4OC101	365-005-106	1	AHG29 2PBX Channel Unit — D4 Channel Bank
365-005-081	2	J98726DL-2, L2, 56 KB/S DDA OCU D4DP803	365-005-107	1	AHG30 All-Rate DSO Dataport Channel Unit
365-005-083	1	J98726BB-3, L3 DPT Channel Unit D4CD200	365-005-108	2	AHG33 All-Rate OCU Dataport Channel Unit (4-93)
365-005-084	1	J98726DL-1, L1 56 KB/S DDA OCU D4DPB03M	365-005-109	1	J98726ST-1, L5 2PBX Panel Unit
365-005-085	1	J98726DK-1, L1 56 KB/S DDA DSO D4DPA00L	365-005-110	2	AG39 DSU-DP Dataport Channel Unit — Data Sheet (4-93)
365-005-086	3	J98726DN-1, L1 DSU II DP Channel Unit D4DPH20	365-005-111	1	J98726BP-5, 15 4E&MER Channel Unit Data Sheet (1-93)
365-005-087	4	J98726DP-1, L1 DSU II 56KB DP Channel Unit D4DPH30 (4-92)	365-005-300	2	D5 AEK25 2W-0 Channel Unit — 4-Wire E&M Functions
365-005-089	3	AHG13 Brite Channel Unit D4C1AA1AXX — Data Sheet	365-005-301	1	D5 AEK22 4W-0 Channel Unit — 4-Wire E&M and PLR Functions
365-005-090	3	J98726BE-4, L5 2FXO Channel Unit D4CX23D			

Number	Issue	Subject	Number	Issue	Subject
365-005-302	3	D5 AEK20B 2W-1 Channel Unit — 2-Wire DPO, DPMO, 5DPO, FXS, FSX/LS, FXS/GT and TO Functions	365-010-200	1	Digital Access and Cross-Connect System (DACS) — Trouble Escalation Procedures — Automated Transmission Terminal System
Addendum	1		Addendum	1	
365-005-303	2	D5 AEK23 4W-1 Channel Unit — 4-Wire FXS, DX, LSXO, TO and ETO Functions	365-010-500	2	D-Type Channel Banks — Voiceband Data Considerations and Trouble Analysis Procedures
Addendum	1		365-020-004	1	Digital Facilities Measurement Plan — Description
365-005-304	2	D5 AEK21 2W-2 Channel Unit — 2-Wire DPT, RSCO, FXO, FLO/LS, FXO/GT and TO Functions	365-020-005	2	T-Carrier Service Measurement Plan
Addendum	1		365-020-006	1	T-Carrier Service Improvement — Central Office Maintenance and Performance
365-005-305	3	D5 4W-2 Channel Unit — 4-Wire FXO, TDM, TO, And ETO Applications (8-92)	365-020-301	1	T-Carrier Central Office Restoration and Maintenance Responsibilities
365-005-306	2	D5 AEK30 4SF Channel Unit — Data Sheet — 4-Wire E&M, FXO, FXS, and to Companion Functions D5 Channel Bank			
365-005-307	5	D5 AEK26 OCUDP Channel Unit			
365-005-308	2	D5 AEK27 and AEK27B 1m DSO Channel Unit			
365-005-310	1	D5 2RD/PLAR Channel Unit			

### 365-010/020 Document Indexes and General Information — Digital Transmission Systems

#### Document Indexes

365-010-001	7	DS1
365-010-002	3	DS1C
365-010-003	3	DS2
365-010-004	3	DS3, FT3, and FT3C
365-010-005	3	DS4
365-010-006	2	DS1, DS1C, DS2, DS3, FT3, FT3C, and DS4

#### General Information

365-010-007	1	Controlled Maintenance Plan
365-010-100	1	Type T1 Carrier System — Overall System — General Description
365-010-101	3	Engineering and Implementation Methods Systems (EIMS) — Digital Hierarchy
365-010-105	1	Channel Unit Compatibility — D-Type Channel Banks
365-010-110	4	T1 Outstate (T1/OS) System — General Description

### 365-030 Transport Provisioning

■ 365-030-100	2	Transport Service NOW (TSNOW) — User Guide for Technicians
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### 365-098 Customer Information Releases (CIRs)

365-098-001NP	2	Digital Access and Cross-Connect System III — (Network Planning Letter)
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### 365-099 General Distribution CIRs

365-099-010TD	1	Guidelines for Synchronizing Dataport- Based Digital Data Networks, Transmission Systems
365-099-015TD	2	The WESTERN ELECTRIC® Customer Network Controller, Transmission Systems
365-099-022TD	4	T-Carrier 231, 236, ns 250-Type DC-DC Converter Office Repeater Family
365-099-023TD	1	New Network Bay Frame, Transmission Systems
365-099-026TD	1	D4 Digital Data Bank, Transmission Systems
365-099-031NP	2	Digital Access and Cross-Connect System II (DACS II), Transmission Systems
365-099-032NP	2	Multiple Digital Access and Cross-Connect System (DACS) Complex, Transmission Systems

Number	Issue	Subject	Number	Issue	Subject
365-099-043TS	1	FT Series G Technical Specification, Transmission Systems	365-099-072MA	1	Autonomous Removal of an NPC Digroup
365-099-046TD	1	Data Service Unit Dataport (DSU-II DP) — Transmission Systems	365-099-073MA	1	Unit Error Recovery Can Inhibit Restoral of Unit Service and Reply Interface
365-099-047NP	1	Digital Access and Cross-Connect Systems III and IV — Transmission Systems	365-099-074MG	1	Critical, Major, or Minor Alarm Not Cleared
365-099-048NP	1	FT Series G Dual Assemblies — Transmission Systems	365-099-075MR	1	Restoring the Microprocessor System During a Maintenance Condition Can Result in an Inconsistent Frame State
365-099-050IR	1	Spares Exchange Service (SES) for Lightwave Equipment (LIGHTWAVE- SES) — Transmission Systems	365-099-076MG	1	Unreported Failure of Unit Clock Receiver on the Inactive Side
365-099-053TS	2	Digital Access and Cross-Connect System II — Transmission Systems	365-099-079MA	1	Abort of a Subrate Test Port Release
365-099-055TD	1	Digital Access and Cross-Connect System II — Generic 2 Features — Transmission Systems	365-099-080MR	1	Restoring Subrate Magnetic Bubble Memory 6 (DACS I & SRDC)
365-099-057TD	1	System III DSX-3/4 — Transmission Systems/Network Cable Systems	365-099-081MG	1	Denial of a Manual PEST of an NPC
365-099-059TD	1	Digital Access and Cross-Connect System II Stratum 2 Clock, Transmission Systems	365-099-082MG	1	AMM180 Type Digroups Marked Failed
365-099-063IR	1	Rural Electrification Administration (REA) - D4 Channel Bank, SLC® 96 Carrier System, and DDM-1000 Dual DS-3 Multiplexer, Transmission Systems	365-099-083MG	1	No Cross-Connect Map on an NPC Known to be Supporting Traffic
365-099-065TS	2	Digital Access and Cross-Connect System III-2000 — Generic 1.1 and 1.2	365-099-084MA	1	Frame Initialization in Preparation for Remote Memory Backup
365-099-066IR	1	Announcement to Discontinue Proposed DACS III 256 System	365-099-085MG	1	Recommended Remote Memory Backup Routines
365-099-067IR	1	D5 Digital Terminal System — Generic 3	365-099-086MG	1	Essential Daily Routine Commands
365-099-068IR	1	D4 Channel Bank — Availability of AHG9 Line Interface Unit	365-099-087MA	1	Inconsistent Bubble States Result in a Partial Cross-Connection
365-099-069MR	1	Buffer RAM Failures Causing Corruptive Data in the Bubble Memory (DACS I and SRDC)	365-099-088MG	1	Restoration of Last Side Related Entity Without a Restoration Side on an SRDC Frame
365-099-070MR	1	Test Port Release Denied on a Digital Multipoint Bridge (DACS I and SRDC)	365-099-089MG	1	Subrate Test Access Permitted on Out-of- Service Digroup Circuit
365-099-071MA	1	Degrowth of an NPC with Channel 0 (FMC) Cross-Connected, Transmission Systems	365-099-090MG	1	Frame Audits Detected Failure of Bus Controller Circuit Pack
			365-099-093TD	1	Digital Access and Cross-Connect System II, Generic 3 Features, Transmission System
			365-099-094IR	1	D4 Digital Channel Bank — Replacement for J98732BA-2 L3 DCT/CCU (Digital Carrier Trunk/Combined Channel Unit)

Number	Issue	Subject	Number	Issue	Subject
365-099-095IR	1	DACS II Communications Interface (CI+) and Enhanced Communications Interface (ECI+) Circuit Pack Ordering Information, Transmission Systems	365-099-111TD	1	Digital Access and Cross-Connect System II, Release 5.0 Features, Transmission System
365-099-096NP	1	Transmission Systems	365-099-112TD	1	Digital Access and Cross-Connect System II (DACS II), Generic 4.1 Features. Transmission Systems
365-099-097NP	1	FT Series G Lightwave System Single Frequency Laser Application Guidelines at 1.7 Gb/s, Transmission Systems	365-099-113MR	1	Digital Access and Cross-Connect System IV-2000 (DACS IV-2000), Generic 1, Disk Drive Replacement Procedure, Transmission Systems
365-099-098IR	1	New DACS II Dual Digroup Cord Announcement and Ordering Information, Transmission Systems	365-099-114NP	1	Element Management System for Digital Access Cross-Connect System II (EMS/DACS II) Controller, Release 1, Transmission Systems
365-099-099TD	1	800 Series and 900 Series DSX Frame Systems, Transmission Systems	365-099-115TD	1	Digital Access and Cross-Connect System III-2000 (DACS III-2000), Release 2.0, Transmission Systems
365-099-100MA	1	Normal Tape Operations for the DACS II, DACS III, and DACS IV Systems, Transmission Systems	365-099-116MR	1	Digital Access and Cross-Connect System IV-2000 (DACS IV-2000), X.25 Data Links (Links 5 and 6) Changes for EC12 Operations
365-099-101IR	1	D5 Digital Terminal System - DA (Discontinued Availability) of Software Generics 2 and 2.5, Transmission Systems	365-099-117IR	1	Digital Access and Cross-Connect System II (DACS II) 19.2 kb/s Multipoint Junction Unit (MJU) Bay
365-099-102TS	1	Digital Access and Cross-Connect System IV-2000, Generic 1.1 Technical Specification, Transmission System	365-099-118TD	1	Digital Access and Cross-Connect System IV-2000 (DACS IV-2000), Release 2.1, Transmission Systems
365-099-103MA	1	Class A Change on AEK21 Series 5 Channel Unit D5 Digital Terminal System, Transmission Systems	365-099-119TD	1	DACS IV-2000 Digital Systems Access Bays
365-099-104IR	1	D4/SLC 96 Carrier System- New 64 kb/s Digital Data Capability, Transmission Systems	365-099-120TD	1	DACS III-2000 Digital Systems Access Bay
365-099-105TD	1	Digital Access and Cross-Connect System II, Generic 4 Features, Transmission System	365-099-121TD	1	AT&T BANTAM PLUS™ DSX-1/1C System
365-099-106NP	1	DACScan™-2000 Controller, Transmission Systems	■ 365-099-122IR	1	AEK10B D5 Digroup Formatter Circuit Pack
365-099-108TD	1	Digital Access and Cross-Connect System IV-2000, Generic 2 Features — Transmission System	365-099-123IR	1	UL* Listed DACS II Digital Access and Cross-Connect System, Transmission Systems
365-099-109MG	1	FT Series G Lightwave System Advisory on Use of RS155 Plastic Tubing — Transmission Systems	365-099-127TD	2	DACS II DS1 Multipoint Junction Unit Shelf (5-92)
365-099-110TR	1	Digital Access and Cross-Connect System II (DACS-II) Direct Interface With SLC Series 5 Carrier, Feature Package B With Specials — Transmission System			

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Number	Issue	Subject
365-099-124TD	1	Digital Access and Crossconnect System II (DACS II) Release 5.1 Features
365-099-125TD	1	DACScan™ 2000 Controller, Release 1, 2 Features, Transmission
365-099-126TS	1	CIR Digital Access and Cross-Connect System II (DACS II) Release 5.0 Technical Specification
365-099-127TD	1	Digital Access and Crossconnect System II (DACS II) DS1 Multipoint Junction Unit Shelf
365-099-130TD	1	Digital Access and Crossconnect System II (DACS II) Release 6.0
365-099-131TS	1	Digital Access and Crossconnect System II (DACS II) Release 6.0
365-099-132TD	2	Digital Access and Cross-Connect System II — Integral Shelf Cross Connect (DACS II ISX) Release 1.0
365-099-133TS	1	Digital Access and Cross-Connect System II — Integral Shelf Cross Connect (DACS II ISX) Release 1.0 (12-93)
■ 365-099-134TD	1	Digital Access and Cross-Connect System II — Integral Shelf Cross Connect (DACS II ISX) Release 1.1 (8-94)

**365-1 D1, D3, and D4 Channel Banks, Digital Terminal System, Wideband Data Terminals, and Facility Connectors**

**365-100/115 D1 Channel Bank**

Addendum	1	
365-100-100	3	D1A, D1B, and D1C Channel Banks — General Description
365-100-110	5	Channel Units — Description
365-100-300	5	Installation and Initial Lineup — Summary
365-100-500	1	Maintenance Considerations

**Power Supplies**

Addendum	1	
365-101-100	1	J86498A and B Power Supplies — Description
365-101-101	1	J87331A Power Supply — General Description

Number	Issue	Subject
365-101-200	8	J86498A and B Power Supply — Installation and Replacement
365-101-201	2	J87331A-1 Power Supply — Installation
365-101-500	9	J86498A and B Power Supplies — Tests and Adjustments
365-101-501	2	J87331A-1 Power Supply — Tests and Trouble Location

**General Information**

Addendum	1	
365-102-500	4	Initial Terminal Installation
365-103-100	1	Matching Network J98711M — Description
365-103-101	1	4019AB 2-KHz Code Generator and Detector — Description
365-103-102	1	Trouble-Locating Unit 4019P — Description
365-103-103	1	4019R PAM Detector — Description
365-103-104	1	1-KC Rejection Filter 4019U — Description
365-103-105	1	D1A, D1B, and D1D Channel Banks — J98711AG Channel Signaling Test Unit — Description
365-103-106	1	Channel Unit Extender — Description
365-103-107	2	J94748A Encoder Bias Digital Test Set — Description
365-103-500	4	Testboards and Test Circuit — Tests and Adjustments
Addendum	1	
365-105-500	6	Overall System Lineup

**Carrier Group Alarm**

365-108-101	2	J98711P, List 1 — Description
365-108-102	4	J98711P, List 2 and Later — Description
365-108-501	2	J98711P, List 1 — Troubleshooting
365-108-502	3	J98711P, List 2 Through 5 — Troubleshooting

**D1A, B, and C Channel Bank Maintenance**

365-110-500	6	D1A, D1B, and D1C Channel Banks — Trouble Locating Procedures
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Number	Issue	Subject	Number	Issue	Subject
Addendum	1		▲365-120-501	5	Lineup and Adjustments
365-110-501	1	D1A, D1B, and D1C Channel Banks — Routine Maintenance	▲365-120-502	4	Trouble Location Procedures
Addendum	1		<b>T1WM-4 Wideband Modem</b>		
365-115-500	4	D1A, D1B, D1C, and D1D Channel Banks — Tests and Adjustments	▲365-121-100	1	Description
Addendum	2		▲Addendum	1	
365-115-501	2	D1A and D1B Channel Banks — Signaling Tests	▲365-121-200	1	Installation and Initial Tests
			▲365-121-500	2	Trouble-Locating Procedures
<b>365-116 D1D Channel Bank</b>			<b>365-150 D3 and D3B Channel Banks</b>		
365-116-100	3	Description	365-150-100	4	General Description
365-116-101	1	4019CS 1-kHz Code Generator — Description	Addendum	1	
365-116-500	2	Maintenance Considerations	365-150-101	5	Channel Unit Description
Addendum	1		365-150-102	1	J98718BR D3 Channel Test Unit Circuit — Signaling and Transmission — Description
365-116-501	3	Initial Checks and Terminal Installation	365-150-103	1	Channel Unit Extender — Description
365-116-502	2	Initial Lineup	365-150-104	1	D3 — Portable Bay — General Description
Addendum	1		365-150-105	1	D3 — Reframe Counter Unit — Description
365-116-504	1	Signaling Tests and Trouble Location	Addendum	1	
Addendum	1		365-150-106	2	D3 — 5-kHz and 8-kHz Program Channel Units — Description, Installation, and Test
365-116-505	1	Trouble Location and Maintenance Procedures	Addendum	1	
<b>365-118/121 Wideband Data Terminals</b>			365-150-107	3	D3B — Dataport Operation — Description, Application, and Troubleshooting
<b>T1WB-1 and T1WB-2 Wideband Banks</b>			365-150-110	1	Unitized Bay — Description
▲Addendum	1		365-150-310	1	Unitized Bay — Operation
▲365-118-100	3	Terminal Description	365-150-500	2	Maintenance Considerations
▲365-118-500	3	Installation Tests	Addendum	1	
▲365-118-501	4	Lineup and Adjustments	365-150-501	4	D3 — Installation and Tests
▲365-118-502	3	Trouble Locating Procedures	Addendum	1	
<b>T1WM-1 Wideband Modem</b>			365-150-502	1	Initial and Circuit Order D3 Tests With D3, D2, and D1D
▲Addendum	1		Addendum	1	
▲365-119-100	2	Terminal Description	365-150-503	2	Channel Option and Pad Selection
▲365-119-500	3	Installation Tests	Addendum	1	
▲365-119-501	3	Lineup and Adjustments	365-150-504	2	Signaling Tests and Trouble Location
▲365-119-502	4	Trouble Location Procedures			
<b>T1WB-3 and T1WB-3D Wideband Data Banks</b>					
▲365-120-100	4	Terminal Description			
▲365-120-500	4	Installation Tests			

Number	Issue	Subject
<b>System Lineup Procedures With:</b>		
365-150-506	2	ITT T324
365-150-507	1	Vidar* — D3
365-150-508	1	Lenkurt† 9002A or 9002B
365-150-509	1	Stromberg-Carlson‡ SC975
365-150-510	1	Wescom§ 330
365-150-511	1	Lynch¶ B321 — D3
365-150-512	1	Northern Telecom DE-3 — D3

**CDM**

365-165-101	2	CDM Service Manual Installation, Test, and Maintenance
-------------	---	--

**365-170 D4 Channel Bank**

▲365-170-000	4	D4 Channel Bank Maintenance Tasks
365-170-100	6	Description
365-170-101	4	General Channel Unit Description
365-170-102	1	5-kHz and 8-kHz Program Channel Units — Description, Installation, and Tests
365-170-104	3	Unitized Bay — Description
365-170-110	3	Dial Pulse Channel Units — Description
365-170-111	2	2-Wire E&M, 2-Wire E&M 600-Ohm — 4-Wire E&M, 4-Wire E&M Extended Range, and 4-Wire E&M Dual — Channel Unit Description
365-170-112	1	2-Wire Revertive Pulse — Originating and Terminating — Channel Unit Description
365-170-113	2	ES2 and ES3 Direct Interface Channel Units and Test Extender — Channel Unit Description

Number	Issue	Subject
365-170-114	1	Remote Switching System — Central Office End — Channel Unit Description
365-170-115	2	Foreign Exchange — Channel Unit Description
365-170-116	2	Pulse Link Repeater and Tandem Channel Unit — Description
365-170-117	1	2-Wire and 4-Wire Duplex — Channel Unit Description
365-170-118	2	2-Wire and 4-Wire Transmission Only — Channel Unit Description
365-170-119	1	Ringdown and Private Line Automatic Ringdown Channel Units — Description
365-170-120	3	Dataport Channel Units — Description
365-170-121	1	Security Channel Units — Station End and Office End — Channel Unit Description
365-170-122	1	15-kHz Program Channel Units — Description
365-170-123	1	Circuit Switched Digital Capability — Channel Units
365-170-140	1	J98726MP Channel Unit Extender — Description and Operation
365-170-150	1	Dataport Latching Loopback Procedure — Dataport Channel Units
▲365-170-200	1	Digital Data Bank (DDB) — Office Channel Unit (OCU) — Acceptance and Maintenance Procedures
365-170-201	2	Digital Data Bank — Description and Application Engineering
▲365-170-210	1	Digital Data Bank — Multipoint Junction Unit — Acceptance and Maintenance Procedures
Addendum	1	
▲365-170-220	1	Digital Data Bank — Subrate Multiplexer Unit — Acceptance and Maintenance Procedures
● 365-170-400	2	D4 Transmission Module — User's Manual (Covers all three cabinet versions)
● 365-170-400	3	D4 Transmission Module — User's Service Manual (Covers only 42" cabinet UL Approved)
365-170-410	1	NJ04002D-1 D4 Autoplex Transmission Module — Frame Mounted — Electromagnetic Compatibility Requirements

\* Vidar is a registered trademark of California Microwave, Inc.

† Lenkurt is a registered trademark of Siemens Transmission Systems, Inc.

‡ Stromberg-Carlson is a registered trademark of Stromberg-Carlson Corporation

§ Wescom is a registered trademark of Rockwell Telecommunications, Inc.

¶ Lynch is a registered trademark of Lynch Communication Systems, Inc.



Number	Issue	Subject
365-170-501	1	15-kHz Program Channel Units — Alignment Procedures
365-170-502	3	D4 Channel Bank or SLC 96 Carrier System Terminal— AHG13, S2 BRITE Channel Unit for ISDN Applications \m Installation and Testing
365-170-503	2	D4 Channel Bank or SLC 96 Carrier System Terminal AHG18 and AHG28 Brite II Channel Units for ISDN Applications Installation and Testing
365-170-600	2	J98726JA TUI and J98726JB OIU-5 — Independent Digroup Timing — Circuit Packs
365-170-601	6	AHG9 Series 1; Series 2 LIU-3B Line Interface Unit — Bipolar Eight Zero Substitution — (B8ZS) Data Sheet
365-170-602	4	LIU-3ESF Line Interface Unit — Extended Superframe Format — Data Sheet
365-170-603	1	AHG12 01U-4A Office Interface Unit Circuit Pack — Data Sheet
365-170-604	1	Integrated Low Bit Rate Voice (ILBRV) — Data Sheet
365-170-605	1	T1 Data Multiplexer (T1DM) Format Interface
365-170-606	2	J98726AL-3, L3, L4 A OIU-2 (Office Interface Unit 2) — Data Sheet
365-170-607	1	J98726AC-2, L2, A Alarm Control Unit (ACU) — Data Sheet
365-170-608	1	AHG34 Receive Unit (RU2) — Data Sheet — D4 Channel Bank
365-170-609	2	AHG35 LIU-3E2 — Data Sheet — D4 Channel Bank
365-170-610	2	AHG37 LIU-3E2 — Data Sheet — D4 Channel Bank
365-170-611	1	J98726AB-5 L7 Receive Unit(RU) — Data Sheet \m D4 Channel Bank

**365-180 Facility Connectors**

365-180-100	3	LT-1B — Description — Analog Multiplex Terminal Equipment
365-180-105	1	LT-2 Digital Transmultiplexer — Description

Number	Issue	Subject
<b>365-181 Granger TRANSMUX Facility Connector</b>		
<b>TM7400</b>		
■ 365-181-901AC	B	Support System — Description
<b>TM7400-M2</b>		
■ 365-181-905AC	1	L-to-F — General Description
■ 365-181-906AC	1	L-to-F — Acceptance and Alignment
■ 365-181-907AC	1	L-to-T — Maintenance
<b>TM7450</b>		
■ 365-181-908AC	1	Power Distribution and Fuse Panel
<b>TM7400-M3</b>		
■ 365-181-909AC	1	L-to-F — General Description
■ 365-181-910AC	1	L-to-T — Acceptance and Alignment
■ 365-181-911AC	1	L-to-F — Maintenance
<b>TM7400-M4</b>		
■ 365-181-912AC	1	Index
■ 365-181-913AC	1	General Description
■ 365-181-914AC	1	Specifications
■ 365-181-915AC	1	Functional Description
■ 365-181-916AC	1	Installation
■ 365-181-917AC	1	Initial Power-Up and Testing
■ 365-181-918AC	1	Terminal Operation — (Software Version 1.20)
■ Addendum AC	1	
■ 365-181-919AC	1	Controls and Indicators
■ 365-181-920AC	1	Troubleshooting
■ 365-181-921AC	1	Terminal Operation — (Software Version 1.20)
■ 365-181-922AC	1	GMAP for the TM7400-M2/M3 Applications
■ 365-181-923AC	1	GMAP for the TM7400-M4 Applications

**365-190 D5 Digital Terminal System****Acceptance and Maintenance Tasks**

Addendum	1	
▲365-190-000	1	Acceptance and Maintenance Tasks — Generic 1.1 Software

Number	Issue	Subject	Number	Issue	Subject
▲365-190-025	1	D5 and D5S Digital Terminal System — Acceptance and Maintenance Tasks — Generic 2.1 and 2.5	365-200-101	8	Repeater Description
▲365-190-030	1	D5 and D5S Digital Terminal System — Acceptance and Maintenance Tasks(em Generic 3.0 R2 Software (10-91)	365-200-102	1	T1 Intra-Office Repeater — Description, Installation, and Maintenance
<b>Description</b>			365-200-103	3	J98713F Line Terminating Unit and ED-3C570-( ) Line Powering Auxiliary Unit — Description
365-190-100	6	D5 Digital Terminal System — Description	365-200-104	1	T1 Automatic Standby Unit — Description
365-190-120	2	AEK10B Digroup Formatter — Data Sheet — D5 Digital Terminal System (8-92)	365-200-105	3	J98710U Express Office Repeater Panel — T1 and T1/OS Digital Line — General Description, Initial Lineup, Tests, and Maintenance
<b>User Manuals/Guides</b>			365-200-106	2	Small Cross-Section Office Repeater Shelf — Description, Installation, and Maintenance — T1 Digital Line
365-190-204	1	Quick Reference Guide — Generic 2.1 and 2.5	365-200-107	2	DS1 Office Repeater Extension Shelf — Description, Installation, and Maintenance — T1 Digital Line
Addendum	2		365-200-160	3	T1 Outstate (T1/OS) Digital Line Fault- Locating System — Description and Operation
365-190-206	1	Input-Output Message Manual — Generic 3.0 Software	365-200-170	2	J98728 Span Terminating Module (STM) — General Description
365-190-207	1	D5 Digital Terminal System — Quick Reference Guide Generic 3	365-200-203	3	J98713F Line Terminating Unit and ED-3C570-( ) Line Powering Auxiliary Unit — Installation
<b>365-2 T1, T1 Outstate (T1/OS), T1C, And T1D Digital Lines</b>			365-200-204	1	T1 Automatic Standby Unit — Initial Tests
<b>365-200/228 T1 and T1 Outstate (T1/OS) Digital Lines 1</b>			365-200-300	3	T1 Digital Line — Installation and Initial Lineup Tests
365-200-001	1	231 M and N Office Repeater — Data Sheet — T1 Line Facility	365-200-301	1	208 Express Office Repeater Panel (208 EORP) — Initial Lineup, Tests, and Maintenance
365-200-002	1	J98725 DA-1 DS1 Extension Shelf — Data Sheet — T1 Carrier System	365-200-410	2	T1 Outstate — Line and System Maintenance — Considerations and Tests
365-200-003	1	231P(T1R1H0ADAA) Office Repeater— Data Sheet (9-92)	365-200-503	3	J98713F Line Terminating Unit and ED-3C570-( ) Line Powering Auxiliary Unit — Tests
365-200-004	1	AEK88(T1R2GBOKAA) Office Repeater— Data Sheets (9-92)	365-200-504	1	T1 Automatic Standby Unit — Trouble Location and Maintenance
365-200-005	1	AEK90(T1R2FBOKAA) Office Repeater— Data Sheets (9-92)	Addendum	1	
365-200-006	1	T1 Carrier System — AEK86(T1R2FAOKAC) Office Repeater — Data Sheet (8-92)	365-211-516	5	Pair-Loss Measurements — Using 113- Type Test Set
365-200-007	1	T1 Carrier System — AEK89 DSX Circuit Pack (9-93)			
365-200-100	10	T1 Digital Line — General Description			

Number	Issue	Subject
365-211-517	2	J98710U Express Office Repeater Panel — Pair-Loss Measurements
365-211-518	2	Repeatered Line Cable Sections — Pair-Loss Measurements Using J98725AA Test Set
Addendum	1	
365-221-500	9	Line Repeaters and Regenerators — Tests Using the J98710H Test Set
Addendum	1	
365-222-200	6	Office Repeaters — Installation and Replacement
365-223-500	9	T1 Digital Line — Initial Span Line Powering
365-224-500	5	Initial Overall Line Tests
365-224-600	3	T1 Outstate — Turnup Tests
365-225-500	7	T1 Digital Line — Routine Maintenance Tests
365-226-500	5	T1 Repeatered Line — Identification Plan and Line Patching Procedures
365-228-500	4	Digital Data System Qualification Test Procedures
<b>365-250 T1 Outstate (T1/OS) and T1C Digital Lines</b>		
Addendum	1	
365-250-100	5	T1C Digital Line — General Description
Addendum	1	
365-250-101	4	T1C Digital Line — Repeater Description
365-250-105	3	J98725J Express Office Repeater Panel (EORP) — Description, Operation, and Maintenance
365-250-110	1	Lynch B302 — Electronic Span Line Switch (T1/OS)
365-250-120	2	T1C Automatic Protection Switch — Description
<b>365-271 T1C Digital Line and T1C Automatic Protection Switch</b>		
Addendum	2	
▲365-271-000	6	Acceptance and Maintenance Tasks

Number	Issue	Subject
<b>365-272/280 T1D Digital Line</b>		
▲Addendum	1	
▲365-272-000	1	Maintenance Tasks
Addendum	1	
365-280-100	3	General Description
Addendum	1	
365-280-101	2	Repeater Description
<b>365-287 BCM32000 (Bit Compression Multiplexer)</b>		
365-287-100	3	Description, Installation, and Maintenance Manual
365-287-110	3	X-Panded — Description, Installation, and Maintenance Manual
365-287-115	2	Solitaire — Description, Installation, and Maintenance Manual
<b>365-288 Integrated Access and Cross-Connect System</b>		
365-288-000	1	Applications and Planning Guide
Appendix 1	A	Applications and Planning Guide
■ Addendum	1	
■ 365-288-001	1	Integrated Access Terminal — User's Manual
■ Addendum	1	
■ 365-288-002	1	Integrated Access Controller — User's Manual
■ Addendum	1	
365-288-003	1	AT&T Integrated Access Terminal — Quick Reference Guide
■ Addendum	1	
■ 365-288-004	B	AT&T Intergrated Access Controller — Quick Reference Guide
365-288-103	B	Integrated Access Terminal — Quick Reference Guide
<b>365-3 Cross-Connect and Maintenance Facilities — DACS</b>		
<b>365-300/310 DACS — Cross-Connect Facilities and Lightwave Interconnection</b>		
■ 365-300-100AC	4	Transport And Service Terminating Equipment Implementation Methods and Procedures (8-93) Note: Available only online for NSD

Number	Issue	Subject	Number	Issue	Subject
<b>DACS Promotions and Marketing</b>			365-301-120	1	800-Series and 900-Series DSX-1/1C Systems — Planning, Engineering, and Operation
365-300-900	--	DACS Promotional Package (contains items 365-300-901, -902, and -903)	365-301-121	1	DIXI-1 System — System Reference Guide (11-94)
365-300-901	1	DACS Mouse Pad	365-301-125	3	BANTAM PLUS™ DSX-1/1C System — Planning, Engineering, Installation, Operation, and Maintenance (2-94)
365-300-902	1	DACS 1995 Calendar	365-301-130	1	System III DSX-3/4 — Planning, Engineering, Installation, and Operation — System Reference Guide
365-300-903	1	DACS Paper Pad	Revision 1	12/94	
<b>365-301 DACS</b>			365-301-131	1	DIXI-3 System — Digital Interconnect and Cross-Connect System-3 — System Reference Guide (7-94)
<b>Reference</b>			365-301-135	1	Digital Systems Access Bays — Installation And Operation
365-301-003	2	DACS III-2000 (Digital Access and Cross- Connect System III) — Reference Manual	<b>Installation</b>		
■ 365-301-003AC	1	DACS III-2000 — Reference Manual — Supplement	Addendum	1	
365-301-004	3	DACS IV-2000 — Reference Manual	365-301-301	1	DSX-1 and DSX-1C Patch and Cross- Connect Bay — Retrofitting Procedures
■ Supplement AC	1	DACS IV-2000 — Reference Manual	365-301-302	1	800-Series DSX — Transition Procedures
■ 365-301-005	3	DACS II UL Listed Installation And Safety Instruction (7-94)	365-301-310	1	Digital Access and Cross-Connect System — Retrofitting Procedures
<b>Description</b>			365-301-400	1	Customer Network Control (CNC) — User's Guide
365-301-100AC	1	SM 620 Subrate Multiplexer Data Sheet — Digital Access and Cross-Connect System	365-301-401	3	CNC Console Operator Guide
365-301-101	7	DSX-1, DSX-1C, and DSX-2 Patch and Cross-Connect — General Description	365-301-410	B	DACS II Control Terminal — User's Guide
365-301-102	1	800 Series DSX — General Description	365-301-411AI	1	DACS Controller — User's Manual
● 365-301-103	2	DSX-1/DSX-1C Bridging Repeater Panel — Description and Operation	Ⓞ365-301-422	1	I-2000 Controller for DACS II Users Guide
365-301-104	1	800PGY and 800PHY Blue Test Cords — Description and Applications	<b>Acceptance and Maintenance</b>		
365-301-105	1	800RGY and 800RHY Blue Test Cords — Description and Applications	365-301-501	5	Digital Access and Cross-Connect System — Acceptance and Company Order Tasks
365-301-116	1	SRDC (Subrate Date Cross-Connect) Conversion Considerations — Digital Access and Cross-Connect System	Addendum	1	
● 365-301-117	2	DACS/SRDC Remote Memory Backup — Digital Transmission System — Description and Procedures	365-301-502	4	Digital Access and Cross-Connect System — Trouble Clearing Tasks

Number	Issue	Subject	Number	Issue	Subject
365-301-510	1	DCTN User Manual	■ Addendum	1	
365-301-521	2	Subrate Data Cross-Connect — Acceptance and Maintenance	■ 365-301-621	1	DACS II — Generics 3 and 4 (PDS) — Gateway Feature Operation and Maintenance Manual
365-301-541	2		■ Addendum	1	
<b>Digital Access and Cross-Connect System (DACS)</b>			■ 365-301-622	2	DACS II — Generics 3 and 4 (MML) — Gateway Feature — Operation and Maintenance Manual
365-301-601	2	DACS II Operation and Maintenance Manual	■ Addendum	2	
365-301-603	2	DACS II Input/Output Message Reference Manual (3 Vols.)	■ 365-301-631	3	DACS III-2000 — Operation and Maintenance Manual
365-301-605	1	Generic 2 (PDS) — Operation and Maintenance Manual	■ 365-301-631AC	1	DACS III — Operation and Maintenance Manual Supplement
365-301-606	1	Generic 2 (MML) — Operation and Maintenance Manual	■ 365-301-632	3	DACS III-2000 — Quick Reference Guide
365-301-607	1	Generic 2 (PDS) — Quick Reference Guide	■ 365-301-633	3	DACS III-2000 — Input/Output Message Reference Manual
365-301-608	1	Generic 2 (MML) — Quick Reference Guide	■ 365-301-633AC	1	DACS III-2000 — Input/Output Message Reference Manual Supplement
365-301-609	1	Generic 2 (PDS) — Input/Output Message Reference Manual	■ 365-301-641	3	DACS IV-2000 — Operation and Maintenance Manual
365-301-610	1	Generic 2 (MML) — Input/Output Message Reference Manual	■ 365-301-641AC	1	DACS IV-2000 Generic 2.0 — Operation and Maintenance Manual
■ Addendum	1		■ 365-301-642	3	DACS IV-2000 — Quick Reference Guide
■ 365-301-615	1	Generic 3 (PDS) Core — Operation and Maintenance Manual	■ 365-301-643	3	DACS IV-2000 — Input/Output Message Reference Manual — Generic 2.0 (2 Volumes)
■ Addendum AI	1		■ 365-301-643AC	1	DACS IV-2000 — Input/Output Message Reference Manual
■ 365-301-615 AI	1	DACS II — Generics 3 and 4 (PDS) — CEPT and Enhanced CEPT Features — Operation and Maintenance Manual	■ 365-301-650AC	2	DACS III-2000 — Administrative Requirements & Procedures
365-301-616	1	DACS II — Generics 3 and 4 (MML) — CEPT and Enhanced CEPT Features	Appendix 1AC	2	Space Plug-In Requirements — On-site
■ Addendum AI	1		Addendum	1	
■ 365-301-616 AI	2	DACS II — Generic 3 (MML) — CEPT and Enhanced CEPT Features — Operations and Maintenance Manual	■ 365-301-651	1	DACS II — Generic 3 (PDS) Input/Output Message — Reference Manual (3 Vols.)
■ 365-301-617	2	DACS II — Generic 3.1 (PDS) Subrate Feature — Operation and Maintenance Manual	■ 365-301-651 AI	1	DACS II — Generic 3 (PDS) — CEPT and Enhanced CEPT Features — Input/Output Message Reference Manual (3 Vols.)
■ 365-301-618	2	DACS II — Releases 3-5 (MML) Subrate Feature — Operation and Maintenance Manual	■ Addendum	1	
■ 365-301-619	2	DACS II — Releases 3-4 (PDS) — SLC® Carrier Features — Operation and Maintenance Manual	■ 365-301-652	1	DACS II — Generic 3 (MML) Input/Output — Reference Manual (3 Vols.)

Number	Issue	Subject
■ 365-301-652 AI	1	DACS II — Generic 3 (MML) — CEPT and Enhanced CEPT Features — Input/Output Message Reference Manual (3 Vols.)
■ 365-301-653	1	DACS II — Generic 3 (PDS) Subrate Feature — Input/Output Message Reference Manual
■ 365-301-654	1	DACS II — Generic 3 (MML) Subrate Feature — Input/Output Message Reference Manual
■ 365-301-655	1	DACS II — Generic 3 (PDS) SLC® Carrier Features — Input/Output Message Reference Manual
■ 365-301-656	1	DACS II — Generic 3 (MML) SLC Carrier Feature Input/Output Message Reference Manual
■ 365-301-657	1	DACS II — Generic 3 (PDS) Gateway Feature — Input/Output Message Reference Manual
■ 365-301-658	B	DACS II — Generic 3 (MML) Gateway Feature — Input/Output Message Reference Manual
■ 365-301-660AC	1	DACS IV — Administrative Requirements and Procedures
■ Appendix 1AC	1	DACS IV Spare Plug-in Requirements — On-site

**Lightguide Interconnect**

365-302-102	3	Lightguide Interconnection — Cables, Build-Outs, and Connectors — Description and Use
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**DS (Digital System) Facility Cross Connect**

■ 365-303-000AC	1	DS1 — Digital Systems Intra and Interexchange Facility Performance Requirements
365-303-102	1	DSX-3 Cross-Connect — Description, Operation, and Maintenance

**365-305 IACS (Integrated Access Controller System)**

■ 365-305-000	6	Integrated Access and Cross-Connect System — Release 3.4 — Applications and Planning Guide (12-94)
■ 365-305-001	7	Integrated Access Terminal — Release 3.4 — User's Guide (12-94)

Number	Issue	Subject
■ 365-305-002	7	AT&T IACS Cluster Monitor, Release 3.3 and Integrated Access Controller, Release 3.4 User's Guide (12-94)
■ 365-305-005	7	Integrated Access Terminal — Release 3.4 — Command Reference (12-94)
365-305-006	1	IACS Release 3.0 Network Management Systems: IACS Cluster Monitor and Integrated Access Controller Command Reference
■ 365-305-025	1	IACS Software Release Description Generic 2
■ 365-305-027	1	IACS Software Release Description Release 2.0
■ 365-305-030	3	AT&T Integrated Access and Cross-Connect System (IACS) — Product Description (12-94)
■ 365-305-050	1	AT&T IACS Cluster Monitor Software Release Description 3.0
365-305-060	1	AT&T Integrated Access and Cross Connect System Release 3.1 — Documentation Upgrade Package

**365-306 DACSCAN™ 2000 Controller C-Module — Surveillance and Control System**

Ⓞ365-306-110	4	DACSCAN 2000 Controller C-Module R3.4 — User Service Manual
Ⓞ365-306-111	4	DACSCAN 2000 C-Module R3.4 Operation Administration and Maintenance Manual

**365-307 DACSCAN™ 2000 Controller T-Module 24-Channel**

Ⓞ365-307-110	2	DACSCAN 2000 Controller T-Module — User Guide
Ⓞ365-307-111	2	DACSCAN 2000 Controller T-Module — Operations, Administration, and Maintenance Guide
Ⓞ365-307-112	2	DACSCAN 2000 Controller T-Module R3.2 — Installation Guide

Number	Issue	Subject	Number	Issue	Subject
<b>365-320 J98710-E T1 and T1 Outstate (T1/OS) Order-Wire Facilities</b>			365-331-003	1	Quick Reference Guide
<b>T1 Order-Wire</b>			■ 365-331-005	1	DACS III-2000 Software Release Description Release 2.0
365-320-100	2	Description	Addendum	2	
<b>J98710-E Order-Wire Facilities</b>			⊕365-331-022	1	Command and Message Manual, Message Set 2, Issue 1.2
365-320-300	4	Acceptance and Maintenance Tests	<b>DACS III-2000 Release 3.0</b>		
365-320-500	3	Operating Methods	■ Addendum	1	
<b>365-325 J98725H T1, T1 Outstate (T1/OS), T1C, T1D, and T2 Order-Wire Facilities</b>			■ 365-331-100	2	DACS III-2000 Release 3.0—Applications, Planning, and Ordering
365-325-100	2	J98725H Order-Wire Facility — Description	Addendum	2	
<b>365-326 J98741( ) Optical Order Channel and Alarm Telemetry (OOCAT) System</b>			⊕365-331-101	1	DACS III-2000 Release 3.0 — Operations and Maintenance (5-93)
365-326-100	1	Digital Transmission Systems — General Description	Addendum	1	
365-326-101	2	Optical Order Channel and Alarm Telemetry Facility — General Description	⊕365-331-102	1	DACS III-2000 Release 3.0 — Commands and Messages — Message Set 1 (5-93)
▲365-326-300	1	Facility Maintenance Tasks	Addendum	1	
<b>365-330 T-Carrier Administration System</b>			365-331-103	1	DACS III-2000 Release 3.0 — Quick Reference (5-93)
365-330-100	4	General Description	365-331-105	1	DACS III-2000 Release 3.0 — Software Release Description
365-330-110	4	Remote Office Equipment — Description	Addendum	1	
365-330-200	2	Remote Office Equipment — Turnup Procedures	■ 365-331-106	1	DACS III-2000 Release 3.0 — Network Planning Overview
365-330-201	3	Remote Office Equipment and Bridged Arrangements — Turnup Procedures	⊕365-331-122	1	DACS III-2000 Release 3.0 — Commands and Messages — Message Set 2 (5-93)
365-330-500	2	Remote Office Equipment — Maintenance and Trouble Location Procedures	<b>DACS III-2000 Release 4.0</b>		
<b>365-331 DACS III 2000</b>			■ Addendum	1	
<b>DACS III 2000 Release 2.0</b>			■ 365-331-200	1	DACS III-2000 Release 4.0 — Applications, Planning, and Ordering
⊕365-331-000	2	Application, Planning, and Ordering Guide	■ 365-331-201	1	DACS III-2000 Release 4.0 — Operations and Maintenance (9-94)
⊕365-331-001	1	User/Service Manual	■ 365-331-202	1	DACS III-2000 Release 4.0 — Commands and Messages Message Set 1 (9-94)
Addendum	2		■ 365-331-203	1	DACS III-2000 Release 4.0 — Quick Reference (9-94)
⊕365-331-002	1	Command and Message Manual (Message Set 1.2) (9-92)	■ 365-331-206	1	DACS III-2000 Release 4.0 — Network Planning Overview (3-94)

Number	Issue	Subject	Number	Issue	Subject
■ 365-331-222	1	DACS III-2000 Release 4.0 — Commands and Messages Message Set 2 (9-94)	■④365-340-202	1	DACS IV 2000 Release 2.2 — Commands and Messages
<b>365-335 DACS III 2000 NSD Supplement</b>			■④365-340-203	1	DACS IV 2000 Release 2.2 — Quick Reference Job Aid
<b>Release 2.0</b>			■ 365-340-204	1	DACS IV 2000 Release 2.2 — Applications Planning and Ordering
365-335-000	1	Applications, Planning, and Ordering Guide (4-92)	<b>Redundant Controller Release 2.2</b>		
365-335-001	1	User/Service Manual	■④365-340-300	1	DACS IV-2000 — Redundant Controller Release 2.2 Reference Manual
365-335-002	1	Command and Message Manual, Message Set 1	■④365-340-301	1	DACS IV-2000 — Redundant Controller Release 2.2 Operations and Maintenance
<b>Release 3.0</b>			■④365-340-302	1	DACS IV-2000 — Redundant Controller Release 2.2 Commands and Messages
■ 365-335-101	1	Operation and Maintenance	■ 365-340-303	1	DACS IV-2000 — Redundant Controller Release 2.2 Quick Reference Job Aids
■ 365-335-102	1	Commands and Message Set 1	■④365-340-304	1	DACS IV-2000 — Redundant Controller Release 2.2 Applications, Planning, and Ordering
■ 365-335-102	1	Quick Reference Guide	<b>DACS IV-2000 Release 3.0</b>		
<b>365-340 DACS IV 2000 (Release 2.n)</b>			■④365-340-400	1	DACS IV-2000 Digital Access and Cross-Connect System IV-2000 Release 3.0 Reference Manual (7-93)
<b>DACS IV Release 2.1d Simplex</b>			■④365-340-401	1	DACS IV-2000 Digital Access and Cross-Connect System IV-2000 Release 3.0 Operations and Maintenance (7-93)
365-340-001	1	Operation and Maintenance Manual	■④365-340-402	1	DACS IV-2000 Digital Access and Cross-Connect System IV-2000 Release 3.0 Commands and Messages (7-93)
365-340-002	1	Release 2.1, Command and Message Manual — Volume 1 - MSGSET 1 — Volume 2 - MSGSET 2	■④365-340-403	1	DACS IV-2000 Digital Access and Cross-Connect System IV-2000 Release 3.0 Quick Reference Job Aids (7-93)
365-340-003	1	Quick Reference Guide Release 2.1	■ 365-340-404	1	DACS IV-2000 — Release 3.0 Applications, Planning, and Ordering (4-93)
365-340-004	1	Reference Manual	<b>DACS IV-2000 (512) Release 2.2</b>		
■ 365-340-005	1	DACS IV Release 2.1d Software Release Description	■④365-340-500	1	DACS IV-2000 (512) — Digital Access and Cross-Connect System IV-2000 Release 2.2 Reference Manual (3-94)
<b>Redundant Controller Release 2.1</b>					
■ 365-340-101	1	DACS IV-2000 Redundant Controller Release 2.1— Operation and Maintenance			
■ 365-340-102	1	DACS IV-2000 Redundant Controller Release 2.1— Commands and Messages			
■ 365-340-103	1	DACS IV-2000 Redundant Controller Release 2.1 — Quick Reference Job Aids (Laminated Sets)			
<b>DACS IV Release 2.2</b>					
■④365-340-200	1	DACS IV 2000 Release 2.2 — Reference Manual			
■④365-340-201	1	DACS IV 2000 Release 2.2 — Operations and Maintenance			



Number	Issue	Subject	Number	Issue	Subject
■④365-340-501	1	DACS IV-2000 (512) — Digital Access and Cross-Connect System IV-2000 Release 2.2 Operations and Maintenance (3-94)	■ 365-340-703	1	DACS IV-2000 (256) — Digital Access and Cross-Connect System IV-2000 Release 4.0 Quick Reference Job Aids (4-95)
■④365-340-502	1	DACS IV-2000 (512) — Digital Access and Cross-Connect System IV-2000 Release 2.2 Commands and Messages (3-94)	■ 365-340-704	2	DACS IV-2000 (256) — Digital Access and Cross-Connect System IV-2000 Release 4.0 Applications, Planning, and Ordering (4-95)
■ 365-340-503	1	DACS IV-2000 (512) — Digital Access and Cross-Connect System IV-2000 Release 2.2 Quick Reference Job Aids (3-94)	■ 365-340-804	1	DACS IV-2000 (256) — Digital Access and Cross-Connect System IV-2000 Release 5.0 Applications, Planning, and Ordering (4-95)
■ 365-340-504	1	DACS IV-2000 (512) — Applications, Planning and Ordering (1-94)			
<b>DACS IV-2000 (512) Release 3.0</b>			<b>365-342 DACSLINK</b>		
■ 365-340-600	1	DACS IV-2000 (512) — Digital Access and Cross-Connect System IV-2000 Release 3.0 Reference Manual (9-94)	365-342-120	1	DACSLINK User's Guide
■ 365-340-601	1	DACS IV-2000 (512) — Digital Access and Cross-Connect System IV-2000 Release 3.0 Operations and Maintenance (9-94)	<b>365-345 DACS IV-2000</b>		
■ 365-340-602	1	DACS IV-2000 (512) — Digital Access and Cross-Connect System IV-2000 Release 3.0 Commands and Messages (9-94)	<b>DACS IV-2000 (Release 2.1)</b>		
■ 365-340-603	1	DACS IV-2000 (512) — Digital Access and Cross-Connect System IV-2000 Release 3.0 Quick Reference Job Aids (9-94)	365-345-001	1	Operations and Maintenance
■ 365-340-604	1	DACS IV-2000 (512) — Digital Access and Cross-Connect System IV-2000 Release 3.0 Applications, Planning and Ordering (6-94)	365-345-002	1	Commands and Messages
<b>DACS IV-2000 (256) Release 4.0</b>			365-345-003	1	Quick Reference Job Aids
■ 365-340-700	1	DACS IV-2000 (256) — Digital Access and Cross-Connect System IV-2000 Release 4.0 Reference Manual (4-95)	365-345-004	1	Applications, Planning, and Ordering
■ 365-340-701	1	DACS IV-2000 (256) — Digital Access and Cross-Connect System IV-2000 Release 4.0 Operation and Maintenance (4-95)	<b>DACS IV-2000 (512) (Release 3.1)</b>		
■ 365-340-702	1	DACS IV-2000 (256) — Digital Access and Cross-Connect System IV-2000 Release 4.0 Commands and Messages (4-95)	■ 365-345-100	1	Reference Manual (9-94)
			■ 365-345-101	1	Operations and Maintenance (12-94)
			■ 365-345-102	1	Commands and Messages (9-94)
			■ 365-345-103	1	Quick Reference Job Aids (12-94)
			<b>365-352 DACS II Releases 1 Through 5.1</b>		
			■④365-352-001	2	Releases 4.0 Through 5.1 PDS — Including Subrate, SLC* Carrier, Ds1, DS3, and Gateway — Operation and Maintenance System (8-93)
			■④365-352-002	2	DACS II Releases 4.0 Through 5.1, PDS — Command and Message Manual (8-93)
			■④365-352-003	1	Releases 3 Through 5.1 PDS — Quick Reference Guide

Number	Issue	Subject	Number	Issue	Subject
■④365-352-007	1	DS1 Multipoint Junction Unit (MJU) Shelf — Description, Operation, and Maintenance (4-92)	■④365-353-003	2	DACS II Releases 3 Through 6.0 PDS — Quick Reference Guide (10-93)
■④365-352-011	2	Releases 4.0 Through 5.1, MML Including Subrate, SLC* Carrier, DS1, DS3 and Gateway — Operation and Maintenance Manual (8-93)	■ 365-353-004	1	DACS II Release 6.1 PDS — Operation and Command and Message Supplement (7-94)
■④365-352-012	2	DACS II Releases 4.0 Through 5.1, MML Command and Message Manual (8-93)	■ 365-353-005	1	SRD (Software Release Description) for DACS II Rel 6.0.1 for 24 Channel Applications
■④365-352-013	1	Releases 3 Through 5.1 — Quick Reference Guide	■ 365-353-007	1	DACS II Release 6.2 PDS E1/T1 Signaling Conversion Feature User Manual (4-95)
■ 365-352-021	2	Releases 4.0 Through 5.1, MML — Command and Message Manual CEPT and ECEPT — Releases 4.1 Through 5.1 PDS — Operation and Maintenance Manual (8-93)	■④365-353-011	2	DACS II Release 6.0 MML — Operation and Maintenance Manual (11-93)
■ 365-352-022	2	CEPT and ECEPT — Releases 4.1 Through 5.1, PDS — Command and Message Manual (8-93)	■④365-353-012	2	DACS II Release 6.0 MML — Command and Message Manual (11-93)
■ 365-352-023	1	Releases 3 Through 5.1, PDS \m 2.048-Mb/s Interface — Quick Reference Guide	■④365-353-013	2	DACS II Releases 3 Through 6.0 MML — Quick Reference Guide (11-93)
■ 365-352-031	1	DACS II Releases 4.0 Through 5.1, MML 2.048 Mb/s Interface Operation and Maintenance Manual (8-93)	■ 365-353-014	1	DACS II Release 6.1 MML — Operation and Command and Message Supplement (7-94)
■ 365-352-032	2	DACS II Releases 4.0 Through 5.1, MML — 2.048-Mb/s Interface — Command and Message Manual	■ 365-353-017	1	DACS II Release 6.2 MML E1/T1 Signaling Conversion Feature User Manual (4-95)
■ 365-352-033	1	CEPT and ECEPT — Releases 4.1, 5.0, and 5.1 MML — Quick Reference Guide	■ 365-353-021	2	DACS II Release 6.0 PDS — 2.048 Mb/s Interface — Operation and Maintenance Guide (2 Vols) (10-93)
■ 365-352-106	1	DCTN Feature Operation Supplement	■ 365-353-022	2	DACS II Release 6.0 PDS — 2.048 Mb/s Interface — Command and Message Manual (2 Vols) (10-93)
<b>365-353 DACS II Releases 6 and Later</b>			■ 365-353-023	2	DACS II Releases 3 Through 6.0 PDS — 2.048- Mb/s Interface — Quick Reference Guide (10-93)
<b>365-353 DACS II Releases 6.0 and 6.1</b>			■ 365-353-031	2	DACS II Release 6.0 MML — 2.048 Mb/s Interface — Operation and Maintenance Manual (10-93)
■④365-353-000	1	DACS II Releases 1 Through 6.0 — Customer Reference Manual (3-93)	■ Revision 1	6-93	
■④365-353-001	2	DACS II Release 6.0 PDS — Operation and Maintenance Manual (2 Vol) (10-93)	■ 365-353-032	2	DACS II Release 6.0 MML — 2.048 Mb/s Interface — Command and Message Manual (10-93)
■④365-353-002	2	DACS II Release 6.0 PDS — Command and Message Manual (3 Vol) (10-93)	■ 365-353-033	2	DACS II Releases 3 Through 6.0 MML — 2.048 Mb/s Interface — Quick Reference Guide (11-93)

Number	Issue	Subject	Number	Issue	Subject
<b>365-359 DACS II ISX (Integral Shelf Cross-Connect)</b>			<b>365-400-300</b>		
<b>Release 1.0</b>			<b>2</b>		
■ 365-359-030	3	DACS II ISX Installation Manual	365-400-301	1	Installation and Initial Lineup Tests
<b>Release 1.1</b>			Addendum	1	Restoration Patching
■ 365-359-040	1	DACS II ISX Release 1.1, PDS Operation and Maintenance Manual (11-94)	365-401-500	3	Power Systems Converter Circuit — Tests and Adjustments
■ 365-359-041	1	DACS II ISX Release 1.1, PDS Command and Message Manual (11-94)	365-402-500	3	Circuit Pack Installation
■ 365-359-042	1	DACS II ISX Release 1.1, PDS Quick Reference Guide (11-94)	Addendum	2	
■ 365-359-043	1	DACS II ISX Release 1.1, MML Operation and Maintenance (11-94)	365-404-500	1	Terminal Lineup
■ 365-359-044	1	DACS II ISX Release 1.1, MML Command and Message Manual (11-94)	365-404-501	2	Signaling Tests and Trouble Location
■ 365-359-045	1	DACS II ISX Release 1.1, MML Quick Reference Guide (11-94)	365-404-502	1	D2 With Switched Maintenance Access System No. 3B — Test and Trouble Location Procedures
<b>365-366 DACS VI-2000</b>			Addendum	1	
365-366-000	1	Applications and Planning Guide	365-410-500	1	Maintenance and Trouble-Locating Procedures
365-366-001	1	User Service Manual	365-410-501	2	J98714G Carrier Group Alarm — Tests and Trouble Location
365-366-002	1	Menus and Forms Manual	Addendum	1	
365-366-003	1	Quick Reference Guide	365-410-502	2	Fuse Panel — Fuse Insertion, Tests, and Trouble Location
365-366-010	2	Network Planning Letter	<b>365-456 Non-AT&amp;T Digital Carrier Systems</b>		
<b>365-4 D2 Channel Bank and Non-AT&amp;T Digital Carrier Systems</b>			■ 365-456-900AC	A	P-140 Digital Carrier System — Description
<b>365-400/415 D2 Channel Bank</b>			■ 365-456-901AC	A	Philips P-140 Digital Carrier System — Initial Acceptance Tests
365-400-100	3	General Description	■ 365-456-904AC	A	Philips P-140 Digital Carrier System — Troubleshooting and Maintenance Testing
365-400-104	3	Channel Units — General Description	■ 365-456-905AC	A	Philips M335 Multiplex — Description
Addendum	1		■ 365-456-906AC	A	Philips M335 Multiplex — Initial Acceptance Tests
365-400-105	2	Alarm Control and Carrier Group Alarm — General Description	■ 365-456-907AC	A	Philips M335 Multiplex — Documentation Plan
365-400-106	2	Power Systems Converter Circuit — Description	■ 365-456-909AC	A	Philips P-140 Line Protection Switching System — Description
365-400-107	3	Channel Option and Pad Selection — Description	■ 365-456-911AC	A	Philips P-140 Line Protection Switching System — Initial Acceptance Tests, Troubleshooting and Maintenance Testing
Addendum	1		■ 365-456-912AC	A	Philips 140 Megabit System — Maintenance Plan
365-400-108	2	Test Panel — Description and Operation	■ 365-456-913AC	1	Philips 140 Megabit System — Administrative Plan

Number	Issue	Subject
■ 365-456-914AC	1	CIT-ALCATEL C-140 Megabit — Description
■▲365-456-915AC	1	CIT ALCATEL C-140 — Initial Installation and Acceptance Tests
■▲365-456-916AC	1	CIT ALCATEL C-140 — Troubleshooting and Maintenance
■▲365-456-919AC	1	CIT-ALCATEL C-565 Megabit — Description
■▲365-456-920AC	1	CIT ALCATEL C-565 — Initial Installation and Acceptance Tests
■▲365-456-921AC	1	CIT ALCATEL C-565 — Troubleshooting and Maintenance
■▲365-456-922AC	1	Philips P-565 Megabit (Coaxial) — Description
■▲365-456-923AC	1	Philips P-565 (Coaxial) — Initial Installation and Acceptance Tests

**365-5 High Speed/Lightwave Digital Lines/FT Series G**

**365-500/521 T2 Digital Line**

365-500-100	4	General Description
365-500-101	3	Span Terminating Facilities — Description
365-500-102	4	Intermediate Powering Station — Repeater and Power Supply Bays — Description
Addendum	1	
365-500-103	4	T2 Regenerator — Description
365-500-104	2	Power Units — Description
365-500-107	2	2-Wire Order Wire — Description
365-500-200	4	Procedure for Equipping Span Terminating Bays, Intermediate Power Station Bays, and T2A Span Terminating Shelves and Power Shelves
365-500-201	5	Preparation of Plug-In Units for Span Terminating or Intermediate Repeater Bays
365-500-300	1	Protection Switching Circuit — Manual Operations
365-500-301	1	Protection Line Patching (Line Restoration)
365-500-307	2	2-Wire Order Wire — Maintenance and Operating Procedures
365-500-500	3	Tests and Operations

Number	Issue	Subject
Addendum	1	
365-500-501	3	T2 Line — Line Powering and Initial Installation Tests
365-500-502	2	Placing the Line in Service
365-500-503	1	Trouble-Locating Procedures
Addendum	1	
365-500-504	4	Fault Locating Procedures
365-500-505	1	Protection Switching Circuit — Operational Tests
365-520-501	4	Pair Measurements at Maintenance Offices and Intermediate Powering Sites
365-521-501	4	T2 Line Regenerator — Testing With the J98717M Test Set

**365-550 T4M Digital Line**

365-550-103	2	Regenerator — Description
365-550-104	1	J87412A Line Feed Converter — Description
365-550-105	1	Manhole Maintenance Circuits — Description
365-550-106	1	Fault Locating System — Description
365-550-107	1	100A Card Storage Unit — Description and Use

**365-560 FT3/FT3C/FTX-180 Lightwave Digital Line**

365-560-100	2	FT3 — General Description
365-560-101	5	FTX-180 Line Repeater Station — General Description
365-560-102	3	8-Type Regenerator — FT3 — Description
365-560-103	2	Fault-Locating Subsystem — FT3 — General Description
365-560-105	2	J98734R Line Repeater Bay — General Description
Addendum	1	
365-560-110	3	FT3C — General Description
365-560-112	3	11-Type Regenerator — FT3C — Description
365-560-113	2	Fault-Locating Subsystem — FT3C — General Description
365-560-114	2	Wavelength Division Multiplexing Filter Assembly — FT3C — Description
365-560-115	4	J98734S Line Repeater Bay — FT3/FT3C/FTX-180 — General Description

Number	Issue	Subject
Addendum	1	
365-560-120	1	FTX-180 — General Description
365-560-121	1	Fault-Locating Subsystem — FTX-180 — General Description

**365-565 FT Series G Lightwave Systems**

Revision 7D	12/94	
Addendum	7C	
365-565-100	7	Description, Application, and Engineering Manual (7-92)
Revision 3D	12/94	
Revision	3C	
Revision	3B	
365-565-101	3A	Dual Assemblies — Description, Application, and Engineering Manual
365-565-200	2	Ring Diversity Switch (RDS) — Engineering, Operation and Maintenance Manual (5-92)
365-565-300	2	Craft Display Manager FT Series G GENAP 2 and DDM-1000 (365-565-301, -302 provided automatically)
⊕365-565-301	1	Craft Display Manager — Version 3.1 (5 1/4 inch disk)
⊕365-565-302	1	Craft Display Manager — Version 3.1 (3 1/2 inch disk)
365-565-500	2	Digital Transmission Systems — FT-Lightwave Booster Amplifier — Description, Engineering, and Maintenance (4-94)

**365-571 T4M Span Terminating Frame**

▲365-571-000	2	T4M Digital Line — Routine, Company Order, and Trouble Indicator Tasks
▲365-571-001	2	High Speed Digital Lines — Acceptance Tasks

**365-575 FT-2000 Lightwave System**

FT-2000 OC-48 Lightwave System		
⊕Revision 1	2/95	
⊕365-575-100	6	FT-2000 OC-48 Lightwave System — Applications, Planning and Ordering Guide (12-94)
⊕365-575-101	5	FT-2000 OC-48 Lightwave System — Quick Reference Guide

Number	Issue	Subject
⊕365-575-102	6	FT-2000 OC-48 Lightwave System — User/Service Manual (6-95) NOTE: This includes 365-575-101, -120, -121, -122, -123, and -124
⊕365-575-104	2	FT-2000 OC-48 Lightwave System — Installation Manual
■ 365-575-105	1	FT-2000 OC-48 Lightwave System — Software Release Description Release 1
⊕365-575-115	4	FT-2000 OC-48 Lightwave System Release 3.0.1 and Release 4.0.0, and 4.4.0 Add/Drop Rings Installation Manual (5-94)
⊕365-575-120	3	FT-2000 OC-48 Lightwave System — End Terminal Provisioning Job Aid
⊕365-575-121	3	FT-2000 OC-48 Lightwave System — Repeater Terminal Provisioning Job Aid
⊕365-575-122	3	FT-2000 OC-48 Lightwave System — Rings Terminal Provisioning Job Aid
⊕365-575-123	2	FT-2000 OC-48 Lightwave System — Rings R4 Provisioning Job Aid
⊕365-575-124	2	FT-2000 OC-48 Lightwave System — Cross Connect Job Aid

FT-2000 OC-48 Lightwave System Large Capacity Terminal		
■ 365-575-200	1	Applications, Planning, and Ordering Guide (6-95)

**Optical Line System (OLS)**

■ 365-575-300	1	Applications, Planning, and Ordering Guide (6-95)
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**365-6 Digital Multiplexes, DS3 and DS4 Systems, FT3/FT3C/FTX-180 Facilities, and FT Series G**

**365-600 M1-2 Digital Multiplex**

Addendum	1	
365-600-100	1	Type M1-2, M1-2A, and M1-2B — General Description
365-600-101	1	Type M1-2, M1-2A, and M1-2B — Muldem Description

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		365-602-104	4	MX3 Lightwave Terminating Frame (LTF) — FT3 Lightwave Digital Transmission System — Description
365-600-102	1	Alarms and Monitor Circuit — Description	365-602-105	4	MX3 Lightwave Terminating Frame (LTF) — Monitoring, Protection Switching, and Alarm Circuits — FT3 Lightwave Digital Transmission System — Description
Addendum	1		365-602-106	3	MX3/MX3C/FT3C/FTX-180 Quick Reference Guides — FT3/FT3C/FTX-180 Lightwave Digital Transmission Systems — Description and Use
365-600-103	1	Protection Switching Circuit — Description	365-602-107	3	MC-90/180 Maintenance Communication Facility for 90 or 180 MB/S Lightwave Systems — FT3C/FTX-180 Lightwave Digital Transmission System — Description
365-600-310	3	Digital Multiplex-Demultiplex Circuit — Circuit Pack and Power Unit — Installation and Initial Tests	365-602-108	3	J98734N FT3 Lightwave Span Terminating Assembly (LSTA) — FT3 Lightwave Digital Transmission System — Description
365-600-311	1	Type M1-2A and M1-2B — Circuit Pack and Power Unit — Installation and Initial Tests	Addendum	1	
365-600-500	1	Type M1-2, M1-2A, and M1-2B — Power Unit Test	365-602-109	2	FT3C-SX — Lightwave Span Terminating Frame — FT3C/FTX-180 Lightwave Digital Transmission Systems — Description
365-600-501	2	Type M1-2, M1-2A, M1-2B — Placing Muldem in Service	365-602-110	3	MX3C Lightwave Terminating Frame (LTF) — FT3C/FTX-180 Lightwave Digital Transmission System — Description
365-600-502	1	Tests	365-602-111	3	MX3C Lightwave Terminating Frame (LTF) — Monitoring, Protection Switching, and Alarm Circuits — FT3C/FTX-180 Lightwave Digital Transmission System — Description
365-600-503	2	Digital Multiplex-Demultiplex Circuit, Type M1-2 — Trouble Location	365-602-113	3	MX3 Multiplex Frame (MF) — Description
365-600-506	1	Type M1-2A and M1-2B — Trouble Location	365-602-114	3	MX3 Multiplex Frame (MF) — Monitoring, Protection Switching, and Alarm Circuits — Description
365-600-507	1	Type M-2A and M1-2B — Standby Muldem Patching (Service Restoration)			
<b>365-601 M13 Digital Multiplex</b>			<b>365-603 M34 Digital Multiplex</b>		
365-601-100	3	General Description	365-603-101	2	Muldem Description
365-601-101	3	Muldem Description	365-603-103	2	General Description
365-601-102	3	Monitoring, Protection Switching, and Alarm Circuits — Description			
<b>365-602 MX3/MX3C Digital Multiplex, FT3/FT3C/FTX-180 Terminals, and MC-90/180 Maintenance Communication Facility</b>					
365-602-100	3	Lightwave — General Description			
365-602-101	3	J98734M MX3 Multiplex Assembly (MA) — Description			
365-602-102	3	J98734L MX3 Lightwave Terminating Multiplex Assembly (LTMA) — FT3 Lightwave Digital Transmission System — Description			
365-602-103	1	J5X014AF MX3 Radio Terminating Multiplex (RTM) — Description			

Number	Issue	Subject	Number	Issue	Subject
365-603-104	2	Monitoring, Protection Switching, and Alarm Circuits — Description			
<b>365-604 M1C Digital Multiplex</b>			<b>365-675 Lightguide MX3/MX3C/FTX-180 Digital Multiplex and FT3/FT3C/FTX-180 Line Repeater Station</b>		
365-604-100	4	Bay — General Description	▲365-675-561	4	J98734L MX3 Lightwave Terminating Multiplex Assembly (LTMA) — Acceptance Tasks
365-604-101	3	Single Shelf — General Description	▲365-675-562	4	J98734L MX3 Lightwave Terminating Multiplex Assembly (LTMA) — Maintenance Tasks
<b>365-605 M1C-A Digital Multiplex</b>			▲365-675-566	3	MX3 Lightwave Terminating Frame (LTF) — Acceptance Tasks
365-605-100	2	General Description	▲365-675-567	3	MX3 Lightwave Terminating Frame (LTF) — Maintenance Tasks
<b>365-671 DS3 and DS4 Systems</b>			Addendum	1	
▲365-671-501	3	T3 and T4 Facilities — Trouble Sectionalization Tasks	▲365-675-568	4	MX3C/FTX-180 Lightwave Terminating Frame (LTF) — Acceptance Tasks
▲365-671-511	2	M34 Digital Multiplex — Routine, Company Order, and Trouble Indicator Tasks	Addendum	1	
▲365-671-512	2	M34 Digital Multiplex — Acceptance Tasks	▲365-675-569	4	MX3C/FTX-180 Lightwave Terminating Frame (LTF) — FT3C/FTX-180 Lightwave Digital Transmission System — Maintenance Tasks
▲365-671-521	3	M13 Digital Multiplex (Option Y) — Maintenance Tasks	▲365-675-570	2	J98734N — FT3 Lightwave Span Terminating Assembly (LSTA) — FT3 Lightwave Digital Transmission System — Maintenance Tasks
▲365-671-531	3	J98734M MX3 Multiplex Assembly (MA) — Acceptance Tasks	▲365-675-571	5	Line Repeater Station — FT3/FT3C/FTX-180 Lightwave Digital Transmission Systems — Maintenance Tasks
▲365-671-532	2	J98734M MX3 Multiplex Assembly (MA) — Maintenance Tasks	▲365-675-574	3	FT3C/FTX-180 Lightwave Span Terminating Frame — Acceptance Tasks
▲365-671-533	2	J5X014AF MX3 Radio Terminating Multiplex (RTM) — Acceptance Tasks	▲365-675-575	3	FT3C/FTX-180 Lightwave Span Terminating Frame — Maintenance Tasks
▲365-671-534	2	J5X014AF MX3 Radio Terminating Multiplex (RTM) — Maintenance Tasks	▲365-675-580	1	MC-90/180 Maintenance Communications Facility — Maintenance Tasks
▲Addendum	1				
▲365-671-535	2	MX3 Multiplex Frame (MF) — Acceptance Tasks			
▲Addendum	1				
▲365-671-536	2	MX3 Multiplex Frame (MF) — Maintenance Tasks			
<b>365-672 M1C Digital Multiplex</b>					
▲365-672-000	3	M1C — Maintenance Tasks			
▲Addendum	1				
▲365-673-000	1	M1C-A — Maintenance Tasks			
<b>365-674 Lightwave Data Set</b>					
● 365-674-574	4	FT 1 Series — DS1 Electrical to Optical Converter — Service Manual (5-93)			

**365-680 DCO-PNI (Digital Central Office-Packet Network Interface) and FT Series G Terminal and Line Repeater Station**

**DCO-PNI (Digital Central Office-Packet Network Interface)**

- 365-680-301AC 2 Description
- 365-680-302AC 2 Installation and Acceptance
- 365-680-303AC 2 Operation and Maintenance

**FT Series G Terminal and Line Repeater Station**

- Revision 8D 12/94
- Revision 8C 5/93
- Revision 8B 7/92
- Addendum 8A
- ▲365-680-500 8 FT Series G Lightwave Systems — Terminating Assemblies — Operation and Maintenance Manual (7-92)
- Revision 3E 4/93
- Revision 3D 7/92
- Revision 3C 11/91
- Revision 3B 5/91
- ▲365-680-501 3 FT Series G Lightwave Systems — Dual Assemblies — Operation and Maintenance Manual

**365-690 International Applications**

**FTM (Fiber Transmission Mode) Manuals**

- 365-690-001 1 FTM-600M LTMUX-E Design Documentation (Japan)
- 365-690-002 1 FTM-600M REP-E Design Documentation (Japan)
- 365-690-003 1 FTM-150M LTMUX-E Design Documentation (Japan)
- 365-690-004 1 FTM-150M REP-E Design Documentation (Japan)
- 365-690-005 1 FTM-600M LTMUX-E Design Documentation Version 2 (Japan)
- 365-690-006 1 FTM-600M-2 REP-E Design Documentation Version 2 (Japan)
- 365-690-100 5 FTM-600M LTMUX-E Operation Manual — Japanese Version — NTT (Nippon Telegraph and Telephone)
- 365-690-200NT 4 FTM-600M LTMUX-E AA Repeater Operation Manual — Japanese Version — NTT (Nippon Telegraph and Telephone)

- | Number        | Issue | Subject  |
|---------------|-------|--|
| ■ Revision 2  | 5/94  |  |
| ■ Revision 1  | 3/94  |  |
| ■ 365-690-300 | 1     | FTM-600M LTMUX-E Operation Manual NCC (New Common Carriers) (Japanese)                                       |
| ■ Revision 2  | 3/94  |  |
| ■ Revision 1  | 3/94  |  |
| ■ 365-690-310 | 1     | FTM-600 LTMUX-E with DCC (Data Communications Channel) Operation Manual NCC (New Common Carriers) (Japanese) |
| ■ 365-690-400 | 1     | FTM-600M Repeater-E Operation Manual (New Common Carriers) (Japanese)  |
| ■ 365-690-410 | 1     | FTM-600M Repeater-E with DCC Operation Manual NCC (Japanese)   |
| ■ 365-690-500 | 1     | FTM-600M-2 LTMUX-E Operation Manual (Japanese)   |
| ■ 365-690-510 | 1     | FTM-600M-2 LTMUX-E Construction Manual (Japanese)  |
| ■ 365-690-550 | 1     | FTM-600M-2 Repeater-E Operation Manual (Japanese)  |
| ■ 365-690-560 | 1     | FTM-600M-2 Repeater-E Construction Manual (Japanese)   |

**365-7 DTV (Digital TV)**

**365-700 Codec Interim Design**

**Description**

- | Description  | Issue | Subject                            |
|--------------|-------|------------------------------------|
| ●365-700-100 | 1     | Description                        |
| ●365-700-101 | 1     | Hewlett-Packard 6264B Power Supply |
| ●365-700-102 | 1     | Hewlett-Packard 6259B Power Supply |
| ●365-700-501 | 1     | Initial Lineup and Maintenance     |
| ●365-700-502 | 1     | Trouble Location Procedures        |

**365-8 T1 Carrier Systems**

- |              |   |   |
|--------------|---|---|
| ▲365-800-001 | 4 | D1, D2, and D3 Channel Banks — Maintenance Tasks              |
| Addendum     | 2 |   |
| ▲365-800-002 | 5 | T1 Digital Line — Acceptance and Maintenance Tasks            |
| ▲365-800-003 | 5 | D1, D2, and D3 Channel Banks/T1 Line — Trouble Clearing Tasks |



Number	Issue	Subject
<b>365-9 Digital Subscriber Lines</b>		
<b>365-900 Asymmetrical Digital Subscriber Line (ADSL)</b>		
365-900-100	1	Asymmetrical Digital Subscriber Line (ADSL) System — User's Guide
<b>365-W WIPs Workcenter Information Packages</b>		
Ⓞ365-WIP-001	1	System III DSX 3/4 Upgrade (Full Action Video)

**Division 371**

**Broadband Restoration**

**371-0 Index and Equipment Test List**

-000 Index

-001 Equipment Test List

**371-1 Overall System**

**371-2 Restoration Control System**

-200 Description

-201 Operation

-202 Lineup

-203 Trouble Location

**371-3 Microwave Radio IF Switching**

-310 J68388 TD-TH/TH-TD IF Shifter

-320 2A IF Restoration Switch

-501 Continuity Checking Equipment

Number	Issue	Subject
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**371-0 Index and Equipment Test List**

**371-000 Index**

371-000-000	31	Numerical Index — Division 371 — Broadband Restoration (2-95)
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**371-001 Equipment Test List**

371-001-011	3	Microwave Radio
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**371-1 Overall System**

371-100-100	1	Patching Equipment — J68876 (A Through F) Restoration Patch Bays — Description
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■ 371-100-300	4	Network Restoration Procedures
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■ 371-100-300AC	1	Restoration Procedures
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371-100-500	1	Patching Equipment — J68876F Restoration Patch Bay — Tests
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Number	Issue	Subject
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**371-2 Restoration Control System**

**371-200 Description**

371-200-101	1	Console
371-200-104	1	Logic Circuits
371-200-105	1	Status Memory Circuit
371-200-108	1	Command Control Circuits

**371-201 Operation**

371-201-100	1	Voice Order — Wire Loops
371-201-301	1	Console

**371-202 Lineup**

371-202-501	2	RFMC Order Wire Circuit
371-202-502	2	FO Order Wire Circuits

**371-203 Trouble Location**

371-203-502	1	RCO Order Wire Circuits
371-203-503	1	RO Order Wire Circuits

**371-3 Microwave Radio IF Switching**

**371-310 J68388 TD-TH/TH-TD IF Shifter**

371-310-100	1	Description
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**Tests**

371-310-330	1	Periodic Test Intervals
371-310-500	1	General
371-310-501	1	J68388A or J68388B IF Shifter
371-310-502	1	J68388C and F UP Converters
371-310-503	1	J68388D and G Down Converters
371-310-504	1	J87252A -20 Volt Regulator, Fuse and Alarm Circuits
371-310-505	1	J68381BK IF Amplifier Circuit

**371-320 2A IF Restoration Switch**

371-320-100	1	General
371-320-101	1	8 X 8 Switch and Control Circuits
371-320-102	1	16 X 16 Switch Network and Control Circuit
371-320-103	1	1 X N Switch Network and Control Circuit

Number	Issue	Subject
371-320-104	1	Input, Output Lines
371-320-105	1	Transmitting Trunks, Receiving Trunks, Trunk Bussing, and Detector Trunk Bussing
371-320-106	1	Pilot Detection
371-320-107	1	IF Shifter
371-320-108	1	J68389AB Variable Gain If Amplifier
371-320-500	1	2A I.F. Restoration Switch — General Test Information

### 371-5 Auxiliary Equipment

#### 371-501/502 Continuity Checking Equipment

##### J68876AA and AB Pilot Supply and Detector

371-501-100	2	Description
371-501-501	4	Tests

##### J68876AD 92/468 kHz Supply

371-502-100	1	Description
371-502-501	1	Tests



**Division 400**

**Radio Administration**

**400-0 Indexes**

**400-1 General Information**

**400-2 Mobile and Maritime Radio**

**-200 Mobile Radio**

**400-3 Personal Radio Services and Emergency Radio**

**-300 Personal Radio Services**

**400-4 Microwave Radio**

**400-5 FCC Regulatory Information**

**-500 General**

**-520 Domestic Public Radio Services (Common Carrier)**

**-550 Preparation of Miscellaneous Forms**

**-560 Extension of Lines — Section 214 Procedures**

Number	Issue	Subject
<b>400-0 Indexes</b>		
400-000-000	67	Numerical Index — Division 400 — Radio Administration (2-95)
400-020-014	6	Cross Reference List — R Series to Plant Series
<b>400-1 General Information</b>		
400-100-001	3	Radio Log Abbreviations
400-100-002	2	Mobile Radio — General Information Plant Department Contact — Bell Companies
■④400-100-003	3	Antenna Structure — Marking and Lighting (Compliance) (1-95) Note: Only available on facilities IDS (electronic)

**Number Issue Subject**

**400-2 Mobile and Maritime Radio**

**400-200 Mobile Radio**

400-200-001	4	Transmitter Measurements and Maintenance Record — Forms E-3743, E-3744 and E-4973
400-200-003	2	Trouble Memorandum — Form E-3606
400-200-004	1	Shop Repair Ticket — Form E-3602
400-200-005	3	Repair Reports — Another Point of Registry — Form E-3587
400-200-008	2	Handling Customer Trouble Reports and Intercompany Billing
400-200-009	1	Equipment Trouble Record — Form E-3896
400-200-010	1	Log Record — Form E-3601
400-200-020	2	Mobile Radio — Domestic Public Land Mobile Operations (Compliance)

**400-3 Personal Radio Services and Emergency Radio**

**400-300 Personal Radio Services**

400-300-001	2	35 Mc BELLBOY — Records and Reports
400-320-002	2	Other Radio Services — Maritime Radio Operations (Compliance)
400-330-002	3	Mobile Radio — Telephone Maintenance Radio Service — Business Radio Service
■ 400-340-010AC	1	Emergency Disaster Communications System (EDCOMS) Administration

**400-4 Microwave Radio**

400-400-001	3	Rotating Stock Plan for Short Haul Microwave Radio Plug-In Units
400-400-003	3	Performance Record — Form E-4101
400-400-004	1	Radio Channel Release Procedures
400-400-005	1	Repeater Designations

Number	Issue	Subject
400-400-006	1	Overall System Administration
Appendix 1	1	Overall System Administration — Terms and Concepts
400-400-010	1	Mechanized Evaluation of Radio Transmission Tests (MERTT) — Channel Measurement Plan — Description
■ 400-401-000AC	1	Point-to-Point Service FCC Compliance Requirements
400-401-001	1	Technical Log Requirements — TD-2, TD-3, and TH-3
400-401-002	1	Technical Log Requirements — TH-1
400-401-003	1	Technical Log Requirements — Guidelines — AR6A Radio Systems
■ 400-401-003AC	1	Technical Log Requirements — Guidelines — AR6A Radio Systems

**400-5 FCC Regulatory Information**

**400-500 General**

400-500-100	2	General Information
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**400-520/531 Domestic Public Radio Services (Common Carrier)**

**Establishing a Point-to-Point Microwave Station**

Addendum	1	
400-520-100	4	Radio Administration — the Point-to-Point Microwave Radio Service and Mobile Television Pickup Stations of the Local Television Transmission Service — General Considerations
Addendum	1	
400-520-101	6	Preparation of FCC Form 435
400-520-102	2	Special Showings
Addendum	1	
400-520-103	3	Preparation of FCC Form 436

**Establishing a Mobile Radio Station**

400-521-100	3	General Considerations
400-521-101	4	Preparation of FCC Form 401
400-521-103	2	Licensing a Mobile (DPLM) Radio Station — Preparation of FCC Form 403

Number	Issue	Subject
<b>Establishing a Rural Radio Station</b>		
400-522-100	2	General Considerations
400-522-101	3	Preparation of FCC Form 401
400-522-103	2	Licensing a Rural Radio Station — Preparation of FCC Form 403

**Establishing a Telephone Maintenance Radio Station**

400-531-101	3	Preparation of FCC Form 400
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**400-550 Preparation of Miscellaneous Forms**

400-550-101	3	FAA Form 7460-1 — Notice of Proposed Construction or Alteration of Antenna Structures and FAA Form 7460-2 — Notice of Progress of Construction or Alteration
400-550-102	1	FCC Form 714 — Supplement to Application for New or Modified Radio Station Authorization
400-550-105	2	NOAA Form 76-10 — Report of Radio Transmitting Antenna — Construction, Alteration, and/or Removal

**400-560 Extension of Lines — Section 214 Procedures**

400-560-100	2	General Considerations for Supplementing of Facilities Under Section 214(a) of the Communications Act of 1934, as Amended
400-560-101	2	Preparation of Informal 214 Applications (Form E-3355)
400-560-102	1	Preparation of Formal 214 Application
400-560-103	2	Small Projects for Supplementing Existing Facilities — Provision of Temporary or Emergency Service — Preparation of Continuing Authority Reports

**Division 401**

**Cellular Telecommunications Systems**

- 401-0 Indexes and Collective Documentation
  - 010 Collective Documentation
- 401-2 Pre-Operation Support
  - 200 Cell Site
- 401-3 Digital Cellular Switch (DCS)
  - 300 System 10/1000 DCS
  - 380 AT&T Intelliverse Group Speciale' Mobile' (GSM) System (French)
  - 381 GSM/Wideband Universal Fibre Microcell
- 401-4 Wireless Data Networking
  - 401 MDBS/CDPD
- 401-6 Administration, Operation, and Maintenance Support
  - 600 AUTOPLEX System 10/1000 Administration
  - 601 AUTOPLEX System 10/1000 Feature Descriptions
  - 610 AUTOPLEX System 100/1000 Administration
  - 611 AUTOPLEX System 1000 Description (Without CDNs)
  - 612 AUTOPLEX System 1000 (With CDNs)
  - 614 AUTOPLEX System Access
  - 660 AUTOPLEX System 1000 Series II
  - 661 AUTOPLEX System 1000 Release 4.1
  - 662 AUTOPLEX System 1000 O&MP
- 401-7 Customer Documentation and Wireless Products
  - 701 Wireless Subscriber System (WSS)

401-9 Optional Binders with Tabs

Number	Issue	Subject
<b>401-0 Indexes</b>		
401-000-000	19	Numerical Index -- Division 401 -- Cellular Telecommunications Systems (5-94)
■ 401-000-005	1	AUTOPLEX® Interdivisional Numerical Index

Number	Issue	Subject
<b>401-010 Collective Documentation</b>		
■Ⓞ401-010-001	1	Network Wireless System Documentation — CD-ROM (5-95)
■Ⓞ401-010-002	1	Network Wireless System Documentation With 5ESS Documentation — CD-ROM (5-95)
■Ⓞ401-010-003	1	Network Wireless System Documentation — CD-ROM (Multiuser) (5-95)
■Ⓞ401-010-004	1	Network Wireless System Documentation With 5ESS Documentation — CD-ROM (Multiuser) (5-95)

**401-2 System 10/1000 Pre-Operation Support**

<b>401-200 Cell Site</b>		
■ 401-200-100	2	Model 1 Hardware Description
■ 401-200-101	4	Diagnostic Description
■ Addendum	1	
■ 401-200-102	1	Model 2 Hardware Description
■ 401-200-103	1	AUTOPLEX Model 2 Cell Site Register Definitions
■ 401-200-111	1	
■ 401-200-300	2	Antenna Planning Guide
■ 401-200-502	2	Mini-Responder Operations and Maintenance

**401-3 Digital Cellular Switch (DCS)**

<b>401-300 System 10/1000 DCS</b>		
■ 401-300-100	7	Description
■ 401-300-108	4	Maintenance Service Manual
■ 401-300-109	3	System 1000 — Series II — Digital Cellular Switch — Maintenance Manual (Release 6.0 and Later)
■ 401-300-117	4	Feature Translation Service Manual
■ 401-300-118	3	System 1000 Digital Cellular Switch — Feature Translations Service Manual (Release 6.0 and Later)
■ 401-300-600	3	Applications Engineering
■ 401-300-610	3	AUTOPLEX Digital Cellular Switch — Applications Engineering Manual — (Release 6 and Later)

Number	Issue	Subject
<b>401-380 AT&amp;T Intelliverse Group Speciale' Mobile' (GSM) System (French)</b>		
<b>Network Level</b>		
■ 401-380-004	2.0	AUTOPLEX GSM Documentation Roadmap
■ 401-380-005	1.1	Intelliverse GSM Documentation Guide
■ 401-380-010	1.1	GSM Generic C System Recovery Guide
■ 401-380-015	1.1	GSM Generic B System Description
■ 401-380-020	1.1	GSM Generic B Engineering Guidelines
<b>Operations and Maintenance Center (OMC)</b>		
■ 401-380-105	1.1	GSM Generic D OMC Operations, Administration, & Maintenance Guide
■ 401-380-110	1.1	GSM Generic C OMC Commands and Reports Manual
■ 401-380-115	1.1	OMC Recent Change and Verify (RC/V) Data Base Update Guide
■ 401-380-120	1.1	OMC Service Measurements/Analysis Guide
<b>Base Station System (BSS)</b>		
■ 401-380-201	2	GSM BSS Technical Description (10-94)
■ 401-380-202	2	GSM Functional Unit Descriptions (10-94)
■ 401-380-203	2	GSM Subsystem Descriptions (10-94)
■ 401-380-205	1.1	BSS Diagnostics/Maintenance Guide
■ 401-380-215	1.1	AT&T Intelliverse GSM System LOIS/LOISED User's Guide
<b>401-381 GSM/Wideband Universal Fibre Microcell</b>		
■ 401-381-101	1	GSM/Wideband Universal Fibre Microcell — System Overview (5-95)

Number	Issue	Subject
<b>401-4 Wireless Data Networking</b>		
<b>401-401 Mobile Data Base Station/Cellular Digital Packet Data (MDBS/CDPD)</b>		
■ 401-401-100	1	MDBS Installation Manual
■ 401-401-101	1	MDBS Users Guide
■ 401-401-102	2	AUTOPLEX System 1000 CDPD Subscriber Information Update User Guide (4-95)
■ 401-401-110	2	AUTOPLEX System 1000 CDPD MD-IS Operations Manual
■ 401-401-111	2	AUTOPLEX System 1000 CDPD Administration Server Operations Manual
■ 401-401-112	2	AUTOPLEX System 1000 CDPD Network Management System Users Guide
<b>401-6 Administration, Operation, and Maintenance Support</b>		
<b>401-600 AUTOPLEX System 10/1000 Administration</b>		
■ 401-600-039	2	System 10 Service Additions and Rearrangements
■ 401-600-046	1	System 10/1000 Data Base Password Security, Feature Description — Releases 2 and 3
■ 401-601-080	1	AUTOPLEX IMAAP User's Manual
■ 401-600-082	1	System 10/1000 Cellular Networking Phase 2 Implementation, Operation, and Maintenance Procedures
■ 401-600-112	3	System 10/1000 Acceptance Guidelines and Procedures
<b>401-601 System 10/1000 Feature Descriptions</b>		
■ 401-601-001	1	AUTOPLEX Call Forwarding Backoff to MRS Feature Document
■ 401-601-002	1	AUTOPLEX Answer Supervision to Cellular Phone Feature Document
401-601-003	1	AUTOPLEX Selectable Cell Site Messaging (10-93)
■ 401-601-004	1	AUTOPLEX Teletype Writer Number Display



Number	Issue	Subject	Number	Issue	Subject
■ 401-601-005	2	AUTOPLEX Personal ID Number (PIN) Capability Optional Feature	■ 401-601-038	1	Feature Document
■ 401-601-006	1	AUTOPLEX Malicious Call Trace	■ 401-601-042	1	Autoplex CDPD Optional Feature
■ 401-601-007	1	AUTOPLEX AMA Containing ANI Feature	■ 401-601-043	1	Autoplex Transfer to Number After Redirection (TTNREDIR) (2-95)
401-601-008	1	Analog/Digital Usage Billing	■ 401-601-044	1	Autoplex System 1000 Limited Call Transfer Option Feature
401-601-009	1	Autonomous Registration Option Feature and Engineering Guide	■ 401-601-045	1	Autoplex System 1000 Pound (#) Send Option Feature
■ 401-601-010	1	AUTOPLEX System 1000 Information Services Gateway	■ 401-601-080	4	Routing (With or Without CDNs) Feature Description
■ 401-601-011	4	Call Forwarding	<b>401-610 AUTOPLEX System 100/1000 Administration</b>		
■ 401-601-012	3	Call Waiting	■ 401-610-000	3	AUTOPLEX Customer Documentation Catalog
■ 401-601-013	3	Three-Way Calling Feature	■ 401-610-006	1	AUTOPLEX Cellular Telecommunications Systems — System Description, Requirements, and Planning Guide NOTE: This document replaces 401-610-005 and 401-612-000
■ 401-601-014	2	Local Directory Number Assignment	■ 401-610-009	5	AUTOPLEX Cellular Telecommunications Systems — System 1000 With Call Processing/Data Base Nodes (CDNs) — Mobile Switching Center — Monitoring and Engineering Guidelines
401-601-015	1	AUTOPLEX Selectable Billing Record (10-93)	■ 401-610-014	3.1	System 100 — Growth Procedures (With Call Processing/Data Base Nodes)
■ 401-601-018	1	AUTOPLEX System 1000 Subscriber Control of Special Routing Feature Document	■ 401-610-034	1	System 1000 Program Update — Release 1
■ 401-601-019	2	AUTOPLEX Feature Document	■ 401-610-036	9	System 1000(With CDNs ) Data Base Update (2 Volumes)
■ 401-601-020	4	AUTOPLEX Special Routing Feature (11-94)	■ 401-610-037	7	AUTOPLEX Cellular Telecommunications Systems — System 1000 (With or Without call Processing/Data Base Nodes) — Data Base Guide
■ 401-601-021	3	Message Recording Service	■ 401-610-038	3	AUTOPLEX Cellular Telecommunications Systems — System 1000 (With or Without call Processing/Data Base Nodes) Text Recent Change and Verify Reference Manual
■ 401-601-022	4	Project Accounting			
■ 401-601-023	3	Credit Card Billing			
■ 401-601-024	4	Roamers, (With or Without CDNs)			
■ 401-601-025	1	Upward Handoff			
■ 401-601-026	1	Multiple Supervisory Audio Tone			
■ 401-601-027	1	Automatic Radio Recognition			
■ 401-601-028	3	End Office Appearance Features			
■ 401-601-029	4	AMA Dump for Selected Subscribers System 10, Release 3.1			
■ 401-601-030	5	Limited Service Area System 1000			
■ 401-601-031	2	Routing Service for Emergency Calls Feature Description (Goes in binder 401-900-004)			
■ 401-601-032	2	Allowable Called Number Table System (Goes in binder 401-900-004)			
■ 401-601-033	2	Multiple Roamer Class of Service Feature			
■ 401-601-034	2	Project Accounting Service Authorization Feature			
■ 401-601-035	4	Positive Verification			
■ 401-601-036	1	Analog Option On Digital Terminations			

Number	Issue	Subject
■ 401-610-048	2	AUTOPLEX <sup>g</sup> Cellular Telecommunications Systems — System 1000 — UNIX* System User Manual
■ 401-610-051	3	System 1000 (Small) Daily Operations (Without CDNs) — Release 1 Generic Program
■ 401-610-055	6.1	AUTOPLEX (2 Vols) Input Message Manual
■ 401-610-057	6.1	AUTOPLEX Cellular Telecommunications Systems — System 1000 — Output Messages (6 Volumes)— Volume 1 ACTV-DGN DCS — Volume 2 DGN DFC-ORD — Volume 3 PRM-REPT CELL RCV — Volume 4 REPT CELL RTU-REPT MON — Volume 5 REPT MOP-WHEN — Volume 6 Supplementary Information
■ 401-610-059	6	System 1000 Input/Output Message Reference Guide
■ 401-610-075	8	System 1000 Routine and Corrective Maintenance (Without CDNs) — Release 1 Generic (10-94)
■ 401-610-077	3.2	AUTOPLEX ECP CDN Audits Outgoing Manual
■ 401-610-078	2.2	AUTOPLEX Cellular Telecommunications System — Cell Site Audits
■ 401-610-079	6	System 1000 Recovery (Without CDNs) — Release 1
■ 401-610-107	4.1	System 10/1000 Cell Site Input/Output Manual
■ 401-610-120	4	AUTOPLEX - Recommended Spare Parts, Tools, and Test Equipment
■ 401-610-132	2	Charge Recording Methods
■ 401-610-133	5	AMA Formats With Cellular Networking Phase II Description
■ 401-610-135	6	AUTOPLEX Cellular Telecommunications System — System 1000 Service Measurements — (With CDNs Call Processing/Database Nodes)
■ 401-610-151	9	Daily Operations (With CDNs)

#### 401-611 AUTOPLEX System 1000 Description (Without CDNs)

Number	Issue	Subject
■ 401-611-000	2	System 1000 Description (Without CDNs) — Release 1

#### AUTOPLEX System 1000 (With CDNs)

##### Features

Number	Issue	Subject
■ 401-612-001	1	AUTOPLEX TDMA Call Track Feature Document
■ 401-612-002	1	AUTOPLEX Subscriber Pre-Feature Document
■ 401-612-003	2	AUTOPLEX Auto Roamer Greet Feature Document
■ 401-612-006	1	Calling Number Identification Presentation and Restriction (CNIP/R) (1-95)
■ 401-612-007	1	ISDN Subscriber User Part (ISUP)
■ 401-612-008	1	AUTOPLEX SVC Measurements Reports Generation Feature Document
■ 401-612-009	1	AUTOPLEX Pre-Page Announcement System 1000 Subscriber Option Feature
■ 401-612-010	1	AUTOPLEX Short Message Service
■ 401-612-011	1	AUTOPLEX Default ADWA Record for Home Subscribers Feature Document
■ 401-612-012	1	AUTOPLEX Expanded Spectrum Radio Assignment Modification Feature Document
■ 401-612-013	1	AUTOPLEX Fraudulent Mobile Print Feature
■ 401-612-014	1	AUTOPLEX Long Call Detection/Enhancement
■ 401-612-015	1	AUTOPLEX Roamer Only Romer Access Number Feature Document
■ 401-612-016	2	AUTOPLEX Sequential Cell Site Trunk Hunt Feature (3-94)
■ 401-612-018	1	AUTOPLEX Suppress Master SCNAMA Records Feature Document
■ 401-612-020	3	AUTOPLEX Virtual System Call Routing
■ 401-612-021	3	AUTOPLEX Virtual System Output Message Routing System 1000 With CDN

\* UNIX is a registered trademark of Novell, Inc.

Number	Issue	Subject	Number	Issue	Subject
■ 401-612-022	2	Virtual System Input Message Restriction	401-612-058	1	AUTOPLEX Automatic Number Identification Information Digits Optional Feature
■ 401-612-023	5	AMA Teleprocessing	401-612-059	1	AUTOPLEX Feature Documents Subscribers and System Error to Announcement AUTOPLEX Transfer
■ 401-612-024	4	AUTOPLEX Data Base Survey Capability Feature System	■ 401-612-060	1	Mobile Failure Log (With or Without CDNs)
■ 401-612-025	3	Restricted Access Feature	■ 401-612-061	1	AUTOPLEX Immediate Call Trace — Optional Feature
■ 401-612-027	2	Carrier Access Code Restriction (With or Without CDNs)	■ 401-612-062	1	AUTOPLEX Feature Documents Selectable Paging Tone
■ 401-612-028	1	AUTOPLEX Virtual System AMA Event Recording Feature Document	■ 401-612-063	2	AUTOPLEX Cancel Call Waiting Optional Feature
■ 401-612-030	2	Credit Card Phone/32-Digit Dialing	■ 401-612-064	1	Customer Control Of Output Message Feature
■ 401-612-031	1	AUTOPLEX Series II Six Sector Support Optional Feature	■ Appendix 1	2	AUTOPLEX Initial Setup of CCOM Data Bases System 1000
■ 401-612-032	2	AUTOPLEX Voice Mail Notification — System 1000 with Call Processing/Data Base Nodes	■ 401-612-066	1	AUTOPLEX Positive Paging Default
■ 401-612-033	1	AUTOPLEX Series II Growth Frame Support Optional Features	■ 401-612-067	2	AUTOPLEX NONAR Capable Flood Paging Feature
■ 401-612-034	2	Expanded Spectrum Capability	■ 401-612-068	1	AUTOPLEX Digital Preference for Handoffs
■ 401-612-035	1	Autoplex Subscriber PIN Intercept (SPINI) (2-95)	■ 401-612-069	2	AUTOPLEX Mobile Station Test
■ 401-612-037	4	E1A Function Code	■ 401-612-070	2	AUTOPLEX - Message Retrieval Code System 1000 with Call Processing/Data Base Nodes
■ 401-612-040	4	Manufacturer Code Validation (With or Without CDNs)	■ 401-612-071	3	AUTOPLEX Networking Roamer With Call Processing Database Modes
■ 401-612-042	1	AUTOPLEX Subscriber Call Quality Rating Feature Document	■ 401-612-072	2	AUTOPLEX - Multi Units with Same Directory Number
■ 401-612-044	2	Programmable Treatment Routing	■ 401-612-073	3	AUTOPLEX - Dynamic Channel Allocation, System 1000 (with Call Processing/Database Nodes)
■ 401-612-045	1	AUTOPLEX Alarm Summary Print	■ 401-612-074	2	AUTOPLEX - Split NPA With Short Mobile ID Numbers Paging Feature
■ 401-612-047	2	Remote Feature Activation	■ 401-612-075	3	AUTOPLEX - Control Point Switch Handoff Restriction
■ 401-612-048	1	System 1000 Administrable Digital Padding Feature (With/Without Call Processing/Data Base Node)	■ 401-612-076	2	AUTOPLEX-Wide Short Mobile ID No. Paging System With Call Processing/Database Modes
■ 401-612-050	1	Tandem Trunk Switching	■ 401-612-078	1	AUTOPLEX Interim Standard 41 Roamer Administration Service
■ 401-612-051	1	Immediate Bill with Multiple System — Optional Features	■ 401-612-079	1	AUTOPLEX Feature Documents — TS-41 Message Recording Service Interface (MRS)
401-612-052	2	AUTOPLEX Feature Documents — RF Call Trace			
■ 401-612-054	3	Virtual System Recent Change/Verify Access			
■ 401-612-055	1	AUTOPLEX Increased Court Ordered Surveillance			
■ 401-612-057	4	User Defined Alarms			



Number	Issue	Subject
<b>401-661 AUTOPLEX System 1000 Release 4.1</b>		
■ 401-661-000	1	System 1000 System Description
■ 401-661-010	2	AUTOPLEX Cellular Telecommunications Systems — System 1000 — Multiple Systems — Implementation Guidelines
■ 401-661-020	3	AUTOPLEX SS7 Implementation Guidelines R4.1 and Later
■ 401-661-030	2	AUTOPLEX Cellular Telecommunications Systems — System 1000 — Digit-By-Digit— Feature Insert Card
■ 401-661-031	1	AUTOPLEX Cellular Telecommunications Systems — System 1000 — Routing Description
■ 401-661-040	1	Autonomous Registration — Engineering Guide
■ 401-661-045	1	AUTOPLEX Common Network Interface (CNI) Ring Maintenance
■ 401-661-111	2	AUTOPLEX Cellular Telecommunications Systems — System 1000 — Series II — Microcell Implementation, Installation and Maintenance Guidelines
■ 401-661-115	1	AUTOPLEX Extended Total Access Communication System (ETACS) Universal Fiber Microcell Implementation, Installation, and Maintenance Guide
■ 401-661-116	1	Advanced Mobile Phone Service (AMPS) — Universal Fiber Microcell — Implementation, Installation and Maintenance Guide
■ 401-661-215	1	AUTOPLEX Extended Total Access Communication System (ETACS) Universal Microcell (2-95)
■ 401-661-216	1	AUTOPLEX Extended Total Access Communication System (ETACS) Universal Microcell (2-95)

**401-662 AUTOPLEX System 1000 Operation Management Platform (OMP)**

■ 401-662-001	2.1	System 1000 OMP User's Guide (11/94)
■ 401-662-002	2.1	System 1000 OMP Installation Guide (11/94)

Number	Issue	Subject
<b>401-7 Customer Documentation and Wireless Products</b>		
<b>401-701 Wireless Subscriber System (WSS)</b>		
<b>System Related Documents</b>		
■ 401-701-101	1.1	WSS (Wireless Subscriber System) Description
■ 401-701-102	1.1	WSS Site Preparation Guide
■ 401-701-105	1	WSS Remote Access Feature Guide (12-94)
<b>Cell Related Documents</b>		
■ 401-701-201	1.1	WSS Database Guide
■ 401-701-202	1.1	WSS Daily Operations and Maintenance Guide
■ 401-701-203	1.1	WSS Output Message Manual
■ 401-701-204	1.1	WSS Cell Diagnostic Description

**Interface Network**

■ 401-701-301	1.01	WSS Installation, Test, and Maintenance Guide (3 Vols.)
■ 401-701-302	1.1	WSS Interface Network Administration Guide

**401-9 Optional Binders with Tabs**

■ 401-900-004	--	System Features (2 Volumes) Volume 1 contains the documents listed below.
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401-601-011	401-601-012
401-601-013	401-601-014
401-601-020	401-601-021
401-601-022	401-601-023
401-601-024	401-601-025
401-601-026	401-601-027
401-601-028	401-601-029
401-601-030	401-601-031
401-601-032	401-601-033
401-601-035	401-601-080

Volume 2 contains the documents listed below.

401-612-020	401-601-021
401-612-022	401-612-023
401-612-024	401-612-025
401-612-027	401-612-030
401-612-034	401-612-037
401-612-040	401-612-044
401-612-047	401-612-050
401-612-057	401-612-060

Number	Issue	Subject
■ 401-900-004BSA	4	AUTOPLEX (3 Vols) Binder Subassembly for Feature Documents (This is a component — Order 401-900-004 to receive complete binder job.)
■ 401-900-006	1	AUTOPLEX Engineer Letter (Binder, Tabs, and Inserts)
■ 401-900-007	--	D&D And Routing
■ 401-900-007BSA	1	D&D And Routing Binder Sub Assembly
■ 401-900-010	1	AUTOPLEX Binder Subassembly (Binder, Tabs, and Inserts Only)
■ 401-900-061	--	Executive Cellular Processor (ECP) Description Binder (2 Volumes)
		Volume 1 contains the documents listed below.
		254-302-005    254-302-020
		254-302-105    254-302-110
		254-302-115    254-302-212
		254-302-221    254-341-000
		254-341-100    254-341-114
		254-341-115    254-341-116
		254-341-200    254-341-210
		254-341-220    254-341-230
		254-341-235    254-341-240
		254-341-245
		Volume 2 contains the documents listed below.
		254-001-014    254-302-800
		254-302-830    254-302-831
		254-302-832    254-302-837
■ 401-900-061BSA	1/95	AUTOPLEX Binder Sub-Assembly

**Division 402****Antennas, Transmission Lines, and Waveguide****402-0 Indexes and Equipment Test Lists****402-1 Transmission Lines and Waveguide****402-3 VHF/UHF Antennas****402-4 Microwave Antennas**

Number	Issue	Subject
<b>402-0 Indexes and Equipment Test lists</b>		
402-000-000	48	Numerical Index — Division 402 — Antennas, Transmission Lines, and Waveguide
402-001-011	6	Microwave Radio

**402-1 Transmission Lines and Waveguide****402-100 Coaxial Transmission Lines and Connectors**

402-100-100	1	Description
402-100-200	1	Installation

**402-110/120 Waveguide****KS-20001 Flanging Kit**

402-110-220	1	Field Flanging of Rectangular Waveguide Sections
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**402-3 VHF/UHF Antennas****402-300 Federal FTR-29C Antenna System**

402-300-100	1	Description
402-300-500	1	Maintenance

**402-302 Base Station Mobile Telephone Service Antennas**

402-302-100	2	Description
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**402-304 Mobile Station Mobile Telephone Service Antennas**

Number	Issue	Subject
402-304-100	1	Description
402-304-206	1	KS-15510 Whip
402-304-210	1	Method of Terminating Coaxial Cable
402-304-211	1	Removal of Antennas

**402-307 RF Filters**

402-307-100	2	Description and Applications
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**402-4 Microwave Antennas****402-400 Return Loss Measurements**

402-400-100	1	General Theory
402-400-330	2	Periodic Test Intervals
402-400-501	3	TD-2 System — Using 45A Test Set
402-400-502	1	Return Loss Measurements Through TD-2, TD-3, TD-3A, TD-3D, and TH-3 Transmitter Receiver Bays
402-400-503	1	TH System
402-410-100	1	General — Maintenance

**402-420 KS-5759 Delay Lens Antenna**

402-420-100	4	Description
402-420-200	4	Installation
402-420-330	4	Periodic Test Intervals
402-420-500	2	Tools, Materials, and Safety Precautions
402-420-501	1	Repair Procedures
402-420-502	1	Replacing Weather Cover and Lens
402-420-503	1	Rehabilitating Lens Elements
402-420-504	1	Gain Measurement

**402-421 KS-15676 Horn-Reflector and Waveguide System**

402-421-100	3	Description
402-421-201	5	Antenna Assembly
402-421-202	5	Antenna Installation
402-421-203	3	Circular Straight Rigid Waveguide and Circular Flexible Waveguide — Installation

Number	Issue	Subject
402-421-204	3	Systems Combining Network
402-421-205	2	Rectangular Waveguide, Rigid and Flexible
402-421-206	1	Orientation Using ED-59410-70 Transducer
402-421-207	1	Orientation Using 11A Directional Coupler
402-421-208	1	Orientation Using 21A Coupler
402-421-209	1	Use of the AT-8550 Tools
Addendum	1	
402-421-210	2	Horn-Reflector Orientation Using 33A or 43A Transducer and Waveguide System Alignment
■ 402-421-210AC	1	Microwave Antennas — Horn-Reflector Orientation Using 33A or 43A Transducer and Waveguide System Alignment (11-93)
Addendum	1	
402-421-220	1	KS-15676 L15 Modification Kits
402-421-221	1	KS-15676, L19, L20, L21, and L22 Modification Kits
402-421-250	1	Substituting Performed Rigid for Circular Flexible Waveguide
402-421-330	2	Periodic Test Intervals
402-421-501	2	Horn-Reflector Assembly
402-421-502	2	Weather Cover
402-421-503	1	Feed Horn, Mounting Base and Frame, and Flexible Waveguide
402-421-504	1	Rigid Waveguide and Restrainer
402-421-505	1	Square Restrainer, Hood, Compensator Transducer, and 11A Directional Coupler
402-421-506	3	In-Service Air Leak Detection and Correction
402-421-507	1	Reflector Surface
<b>402-422 KS-21972 Conical Antenna</b>		
402-422-100	1	Microwave Antennas — KS-21972 Conical Antenna and Waveguide System — Description
402-422-200	2	KS-21972 Conical Antenna and Waveguide System — Antenna Assembly and Installation — Microwave Antennas
402-422-501	1	Microwave Antennas — KS-21972 Conical Antenna — Repair of Bullet Holes

Number	Issue	Subject
<b>402-423 KS-16320 Passive Reflector</b>		
402-423-100	1	Description
402-423-201	1	List of Tools and Equipment
402-423-202	1	Assembly of List 1 Reflector
402-423-203	1	Assembly of List 2 Reflector
402-423-204	1	Assembly of Mount for List 1 Reflector
402-423-205	1	Assembly of Mount for List 2 Reflector
402-423-206	2	Installation of Lists 1 and 2 on Miscellaneous Structures
402-423-207	2	Installation of Lists 1 and 2 on the AT-7728B Guyed Tower, and List 1 on the AT-8009C Guyed Tower and the AT-8013C Self-Supporting Tower
402-423-208	2	Installation of Lists 1 and 2 on the AT-7729B Self-Supporting Tower
402-423-209	2	Elevation Adjustment for Lists 1 and 2
402-423-210	2	Azimuth Adjustment for Lists 1 and 2
402-423-211	1	Curvature Adjustment for List 2
402-423-212	2	Immobilization of Lists 1 and 2
402-423-330	1	Periodic Test Intervals
402-423-400	2	Supplementary Drawings
402-423-501	2	Tools, Materials, and Safety Precautions
402-423-502	2	Inspection and Repairs
<b>402-424 KS-19570 Passive Reflector</b>		
402-424-100	1	Description
402-424-200	1	Assembly and Installation
402-424-500	1	Maintenance
402-424-501	1	Initial Alignment Elevation and Azimuth Adjustment

**402-430/459 Parabolic Antennas**

**General Maintenance**

402-430-501	2	Resin Erosion
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**402-431 KS-5708 List 1 Perforated Parabolic Antenna**

402-431-100	1	Description
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Number	Issue	Subject
<b>402-432</b>	<b>KS-5708</b>	<b>List 2 Non-Perforated Parabolic Antenna</b>
402-432-100	1	Description
<b>402-433</b>	<b>KS-15970</b>	<b>Parabolic Antenna</b>
402-433-200	1	Assembly and Installation
<b>402-435</b>	<b>KS-15852</b>	<b>Parabolic Antenna</b>
402-435-200	1	Assembly and Installation
<b>402-436</b>	<b>KS-15837, KS-15838, and KS-15924</b>	<b>Parabolic Antennas</b>
402-436-200	1	Assembly and Installation
<b>402-438</b>	<b>KS-19273</b>	<b>Parabolic Antenna Radome</b>
402-438-200	1	Installation

**Division 403**

**Coastal Harbor, High Seas, Overseas, And Emergency Point-to-Point Radio**

**403-0 Index**

**403-1 Common Equipment**

**403-2 Coastal Harbor Radio**

**403-3 High Seas and Overseas Radio**

**403-4 Over-the-Horizon Radio Systems (2-GHZ)**

**403-8 Emergency Point-to-Point Radio**

Number	Issue	Subject
<b>403-0 Index</b>		
403-000-000	46	Numerical Index — Division 403 — Coastal Harbor, High Seas, Overseas, and Emergency Point-to-Point Radio

**403-1 Common Equipment**

**403-101 A-1 Vogad**

403-101-100	1	Description
403-101-330	2	Periodic Test Intervals
403-101-500	2	Maintenance

**403-102 J68313E Syllabic Frequency Amplifier-Detector**

403-102-100	1	Description
403-102-330	1	Periodic Test Intervals
403-102-500	1	Maintenance

**403-2 Coastal Harbor Radio**

**403-200 Task Oriented Practices (TOP)**

▲403-200-501	2	Control Terminal and Routiner Test Set
▲403-200-502	2	Coast Station Receivers
▲403-200-503	2	Coast Station Transmitters

**Number Issue Subject**

**403-202/219 Overall Systems**

**Using MM System Control Terminal**

403-202-100	2	System Description and Operation
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**403-220/239 Control Terminals and Associated Equipment**

**MM Control Terminal**

403-222-100	2	Description
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**403-240/259 Transmitters**

**Aeronautical Communications Equipment Model 446-21**

403-242-100	1	Description
403-242-330	1	Periodic Test Intervals
403-242-500	1	Maintenance

**403-243 KS-20818L1, KS-20819L1, and KS-20820L1 Coast Station**

403-243-100	2	Description
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**403-265 AEROCOM\* Model 3604 Receiver**

403-265-100	1	Description
403-265-330	1	Periodic Test Intervals
403-265-500	1	Receiver and Associated Test Equipment — Maintenance

**403-266 KS-20821 and KS-20822 Coast Station Receiver**

403-266-100	2	Description
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**403-280 KS-21277 Routiner Test Set**

403-280-100	2	Description, Operation, and Maintenance
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\* AEROCOM is a registered trademark of Aeronautical Communications Equipment, Inc.

Number	Issue	Subject	Number	Issue	Subject
<b>403-3 High Seas and Overseas Radio</b>			<b>403-330/349 Transmitters</b>		
<b>403-300/312 Overall Systems</b>			<b>LD-T2 Transmitters</b>		
<b>Lincompex Mark II</b>			403-330-100	1	J41611A (4.0-23 MHz) and J41611AA (4.5-28 MHz) — Description
403-310-100	1	Description	403-330-300	1	Operation
403-310-101	1	Description — Transmit Unit	403-330-501	1	Tests and Adjustments
403-310-102	1	Description — Receive Unit	403-330-502	1	Alignment
403-310-201	1	Installation — Transmit Unit	403-330-503	1	J41611A (4.0-23 MHz) and J41611AA (4.5-28 MHz) — Trouble Location
403-310-202	1	Installation — Receive Unit	403-330-701	1	Servo System Adjustment
403-310-501	1	Tests — Transmit Unit	<b>Westinghouse MS Amplifier</b>		
403-310-502	1	Tests — Receive Unit	403-331-100	1	Description
403-310-800	1	Transmit and Receive Units — Parts List	403-331-300	1	Operation
<b>403-311 Maritime Lincompex</b>			403-331-501	1	Tests
403-311-100	1	100/101 Terminal — Description	403-331-502	1	Alignment
403-311-101	1	100/101 Transmit Unit — Description	403-331-503	1	Trouble Location
403-311-102	1	100/101 — Receive Unit — Description	403-331-504	1	Inspection
403-311-301	1	100/101 Transmit/Receive Terminal — Installation	403-331-700	1	Type MS and Type MS (Modified) — Mechanical Adjustments and Lubrication
403-311-501	1	100/101 Transmit/Receiver Terminal — Tests	<b>403-332 RF COMM Type 740 Transmitter</b>		
403-311-502	1	100/101 Transmit/Receive Terminal — Alignment	403-332-100	1	Description
<b>403-313/329 Control Terminals and Associated Equipment</b>			403-332-200	1	Installation
<b>B1 Channel Shifter</b>			403-332-300	1	Operation
403-313-100	1	General Description	403-332-501	1	Tests
403-313-501	1	Test and Alignment	403-332-502	1	Alignment
403-315-300	1	Control System for Highseas Radio Station	<b>403-350/379 Receivers</b>		
<b>B3 Privacy Device</b>			<b>LD-R1 Radio Receiver</b>		
403-323-100	1	Description	403-351-100	1	Description
403-323-330	1	Periodic Test Intervals	403-351-300	1	Operation
403-323-500	1	Maintenance	403-351-501	1	Tests
			403-351-502	1	Troubleshooting
			403-351-700	1	Mechanical Adjustments and Lubrication
			403-351-800	1	Ordering Information

Number	Issue	Subject
<b>403-380/389 Miscellaneous Equipment</b>		
<b>Antenna Multicouplers KMS-101B</b>		
403-380-100	1	Antenna Coupler — Description and Test
<b>Frequency Measurement Circuit</b>		
403-383-100	1	Description
403-383-500	1	Test and Adjustment
<b>403-4 Over-the-Horizon Radio Systems (2-GHz)</b>		
<b>403-403 FARINON* Type SS2000W-02</b>		
403-403-100	1	Overall System — Description
403-403-101	1	Transmitter — Description
403-403-102	1	Receiver — Description
403-403-301	1	Overall System — Operation
403-403-501	1	Transmitter-Receiver Tests — In-Service Tests and Adjustments
403-403-502	1	Transmitter-Receiver Tests — Alignment
<b>403-405 ITTL NUS 3653-8 10-KW Power Amplifier</b>		
403-405-100	1	Description
403-405-300	1	Operation
403-405-501	1	Test and Alignment
403-405-701	1	Maintenance
403-405-801	1	Mechanical Procedures — Klystron Replacement
<b>403-407 ITTL NUS 4492-1 Order-Wire and Pilot Tone Equipment</b>		
403-407-100	1	Description
403-407-501	1	Test and Adjustment
<b>403-413 ITTL NUS 3298 Receiver</b>		
403-413-100	1	Description
403-413-301	1	Operation and Maintenance
403-413-501	1	Primary Voltage Measurements — Test and Maintenance

Number	Issue	Subject
403-413-502	1	NUS 3360 Local Oscillator — Test and Maintenance
403-413-503	1	NUS 3354 RF Amplifier — Tests and Adjustments
403-413-504	1	IF Attenuator — Test and Maintenance
403-413-505	1	NUS 3300 Diplexer-Preselector — Test and Adjustment
403-413-507	1	NUS 3306 Dual IF Combiner — Test and Adjustment
403-413-508	1	Alignment Tests and Adjustments
403-413-509	1	Dual Diversity Operation — Tests and Adjustments
<b>403-414 ITTL NUS 3297 Converter-Amplifier</b>		
403-414-100	1	Description
403-414-301	1	Operation
403-414-500	1	Maintenance
<b>403-415 ITTL NUS 3296 Power Amplifier</b>		
403-415-100	1	ITTL 12A-1 — Description
403-415-301	1	ITTL 12A — Operation
403-415-501	1	Maintenance and Calibration
403-415-502	1	ITTL 12A-1 — Klystron Alignment
403-415-503	1	ITTL 12A-1 — Klystron Replacement
<b>403-8 Emergency Point-to-Point Radio</b>		
<b>403-801 EC-C1 Control Terminal</b>		
403-801-100	1	Description
403-801-330	1	Periodic Test Intervals
403-801-500	1	Maintenance
<b>403-802 EC-1 System (MOTOROLA*)</b>		
403-802-101	1	EC-T1 Transmitter
403-802-102	1	EC-R1 Receiver

\* FARINON is a registered trademark of Harris Corporation

\* MOTOROLA is a registered trademark of Motorola, Inc.

**Division 404****Manual Mobile Radio****404-0 Index and Equipment Test List****404-1 Overall System****404-2 Base Station Terminal Equipment****404-3 Mobile Stations****404-5 35 MC Transmitters and Receivers****405-6 150 MC Transmitters and Receivers**

Number	Issue	Subject
<b>404-0 Index and Equipment Test List</b>		
404-000-000	18	Numerical Index — Division 404 — Manual Mobile Radio"
404-001-011	1	Equipment Test List
<b>404-1 Overall System</b>		
<b>404-100 Base Station Lineup</b>		
404-100-500	3	General
404-100-501	4	Circuit Facilities Tests
404-100-502	7	Transmitter Frequency and Modulation
404-100-503	3	G-Type Control Terminal Levels
404-100-504	2	H-Type Control Terminal Levels
404-100-505	5	Receiver Output Level Using Test Transmitter
404-100-506	4	Receiver Output Level Using Frequency Converter
404-100-507	3	Receiver Output Level Using FM Signal Generator
404-100-508	3	G-Type Control Terminal Arranged for Full Duplex Operation
404-100-509	3	Talking Tests

Number	Issue	Subject
<b>404-2 Base Station Terminal Equipment</b>		
<b>404-201 G-2 Control Terminal</b>		
404-201-100	2	General Description
404-201-101	1	Monitoring and Remote Control Circuit
404-201-300	2	Operation
404-201-500	2	Maintenance
<b>404-202 H-Type Control Terminal</b>		
404-202-000	2	Base Station Terminal Equipment — General
Addendum	1	
404-202-100	1	Description
404-202-500	1	Maintenance
<b>404-203 B1 and B2 Vogads</b>		
404-203-000	4	General
404-203-100	5	Description
404-203-300	5	Placing In and Removing From Service
404-203-500	6	General Test Information
404-203-501	2	Tests
<b>404-204 A1 and A2 Noise Reducers</b>		
404-204-100	2	Description
404-204-300	2	Placing In and Removing From Service
404-204-500	2	General Test Information
404-204-501	1	Tests
<b>404-205 J68311A Selective Signaling Oscillator</b>		
404-205-100	1	Description
404-205-500	1	Maintenance
<b>404-206 J68312C VF Amplifier</b>		
404-206-100	1	Description
404-206-500	1	Maintenance

Number	Issue	Subject
<b>404-207 MOTOROLA* Start-Dial Indicator</b>		
404-207-100	1	Description
404-207-500	1	Maintenance
<b>404-210/211 Trunk Terminating Circuits</b>		
404-210-000	1	J68352 Trunk Terminating Circuit
404-211-000	4	J41634 Trunk Terminating Circuit
<b>404-220/225 Remote Control Chassis</b>		
<b>MOTOROLA WE-8066-L</b>		
404-220-100	1	Description
404-220-500	1	Maintenance
<b>GENERAL ELECTRIC† 4KC4A2 Rev. RC286</b>		
404-225-000	1	Description and Maintenance
<b>404-230/231 Power Supply</b>		
<b>MOTOROLA WE-8464</b>		
404-230-100	2	Description
404-230-500	2	Maintenance
<b>MOTOROLA P-8531</b>		
404-231-000	1	General
<b>404-3 Mobile Stations</b>		
<b>Installation</b>		
404-300-200	1	General
404-300-201	1	Two-Way Service — Passenger Cars
<b>Tests</b>		
404-300-500	3	General
404-300-501	2	Receivers and Selectors
404-300-502	2	Transmitters
404-300-503	2	Over-all Talking Tests

Number	Issue	Subject
<b>Trouble Location</b>		
404-300-510	2	General Trouble Analysis
404-300-511	2	Primary Power
404-300-512	2	Receivers
404-300-513	2	Mechanical Selectors
404-300-514	2	Electronic Selectors
404-300-515	2	Transmitters
404-300-516	2	Control Unit, Junction Box, and Wiring
<b>404-310 Control Units and Junction Boxes</b>		
404-310-100	2	General Description
<b>404-320/323 Selectors</b>		
404-320-100	2	General Description
<b>Type 106A</b>		
404-321-100	1	Description
404-321-500	1	Maintenance
404-321-801	1	Modification for Improved Signaling, Increased Pulse Codes, and Relay Changes
<b>Scantlin S.E.I. — 1315</b>		
404-323-000	2	General
404-323-100	2	Description
404-323-200	2	Installation
404-323-500	2	Maintenance

**404-4 35 MC Transmitters and Receivers**

**404-422 Type 41B — Base Station Receivers**

404-422-100	2	Description
404-422-500	1	Maintenance
404-422-801	1	Modification to Improve Codan Operation
404-422-802	1	Modification to Relocate Controls and Jacks
404-422-803	1	Modification to Provide Crystal Protection
404-422-804	1	Modification to Provide Output Screw Terminals
404-422-805	2	Modification to Codan Circuit Output
404-422-806	1	Modification to Improve Selectivity

\* MOTOROLA is a registered trademark of Motorola, Inc.

† GENERAL ELECTRIC is a registered trademark of General Electric Company.

Number	Issue	Subject	Number	Issue	Subject
<b>404-462 GE* Progress Line</b>			404-524-500	1	Maintenance
404-462-000	1	Description, Operation, and Maintenance	<b>GE 4ER25B12 RC705 Base Station Receiver</b>		
404-462-150	1	Condensed Specifications	404-525-100	1	Description
<b>404-5 150 MC Transmitters and Receivers</b>			404-525-500	1	Maintenance
<b>404-501/506 Base Station Transmitters</b>			<b>404-541/543 Base Station Transmitter-Receivers</b>		
<b>MOTOROLA WETU-250-BC and WETU-50-B1 Base Station Transmitters</b>			<b>MOTOROLA J-41630A Base Station Transmitter-Receivers</b>		
404-501-100	2	Description	404-541-100	1	Description
404-501-500	2	Maintenance	404-541-500	1	Maintenance
404-501-801	1	Modification for Use With J41625 Remote Power Control Unit	<b>GE J-41630B Base Station Transmitter-Receivers</b>		
404-501-802	1	Modifications to WE-8332 Exciter	404-542-100	1	Description
<b>MOTOROLA PA-8491-B, PA-8492, WE-8497, and WE-8497-A Base Station Transmitters</b>			404-542-500	1	Maintenance
404-502-000	1	General	<b>GE J-41630C Base Station Transmitter-Receivers</b>		
404-502-100	1	Description	404-543-100	1	Description
404-502-500	1	Maintenance	404-543-500	1	Maintenance
404-502-801	1	Modification to Convert WE-8497 Transmitter to WE-8797-A	<b>GE PLM-7484519-G11 Transmitter and PL-7776064-G1 Multifrequency Panel Base Station Transmitters</b>		
<b>GE PLM-7484519-G11 Transmitter and PL-7776064-G1 Multifrequency Panel Base Station Transmitters</b>			404-504-000	1	General
404-504-000	1	General	404-504-100	1	Description
404-504-100	1	Description	404-504-500	1	Maintenance
404-504-500	1	Maintenance	<b>GE 4ET1E1 Rev. RC 286 Base Station Transmitters</b>		
<b>GE 4ET1E1 Rev. RC 286 Base Station Transmitters</b>			404-505-100	1	Description
404-505-100	1	Description	404-505-500	1	Maintenance
404-505-500	1	Maintenance	<b>GE 4ET21A12 RC705 4EP4A1 RC705 Base Station Transmitters</b>		
<b>GE 4ET21A12 RC705 4EP4A1 RC705 Base Station Transmitters</b>			404-506-100	1	Description
404-506-100	1	Description	404-506-500	1	Maintenance
404-506-500	1	Maintenance	<b>404-524/525 Base Station Receivers</b>		
<b>404-524/525 Base Station Receivers</b>			<b>GE 4ER21A1 Rev. RC286 Base Station Receiver</b>		
<b>GE 4ER21A1 Rev. RC286 Base Station Receiver</b>			404-524-100	1	Description
404-524-100	1	Description			

\* GE is a registered trademark of General Electric Company.

**Division 405**

**MJ, MK, and ML Mobile Radiotelephone**

**405-0 Index and Equipment Test Lists**

**405-1 MJ/MK Overall System**

**405-2 MJ/MK Base Station**

**405-3 MJ/MK Mobile Station**

**405-8 Private Mobile Radio Systems**

Number	Issue	Subject
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**405-0 Index and Equipment Test Lists**

405-000-000	69	Numerical Index Division 405 — MJ, MK, and ML Mobile Radiotelephone
405-001-011	5	MJ, MK, and ML — ETL

**405-1 MJ/MK Overall System**

405-100-101	1	MJ System — General Description
405-100-102	1	MK System — General Description

**405-2 MJ/MK Base Station**

**405-200 Lineup**

405-200-501	2	MJ System
405-200-502	2	Remote Signaling System
Addendum	1	
405-200-503	1	System Line-Up
405-200-504	1	Mobile Simulator — System Performance Checks

**405-210 Information Common to Large and Small System Control Terminals**

**Tests**

405-210-501	2	Tone Generator
405-210-502	2	Tone Detector
405-210-503	4	Receive Line Terminating Unit and Receiver Selector

**Number**

**Issue**

**Subject**

405-210-504	2	Vogad Tests
405-210-505	2	Vogad Alignment
405-210-506	2	Sonad
405-210-507	3	Transmit Line Terminating Unit
405-210-701	2	ITT Telecom Relay Test and Adjustment Procedures

**405-211 MJ and MK Large System Control Terminals**

405-211-100	1	Description
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**Tests**

405-211-509	2	Link Circuit and Link Allotter Circuit
405-211-510	3	Common Pulse Circuit
405-211-511	2	Duplicate Switching and Test Access Circuit
405-211-512	3	Transmitter Control Circuit
405-211-513	2	Channel Selector
405-211-514	2	Base Station Identifier Control Circuit
405-211-515	1	Test Transmitter Control Panel Tests (MJ)
405-211-516	2	Technical Operator Test Panel
405-211-517	3	Test Panel — Common Control Circuit Tests and Service-Trouble Indications

**Mechanical Adjustments**

405-211-702	2	Crossbar Switch
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**405-212 MJ and MK Small System Control Terminals**

405-212-100	1	General Description
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**Tests**

405-212-501	2	Link Circuit
405-212-502	2	Base Station Identifier Control Circuit
405-212-503	2	Test Panel
405-212-504	1	Transmitter Control Circuit

**405-221 MOTOROLA\* KS-19618 Base Transmitters (MJ)**

405-221-100	2	General Description
405-221-501	3	High-Power Transmitter Tests
405-221-502	3	High-Power Transmitter Alignment



Number	Issue	Subject	Number	Issue	Subject
405-221-503	1	Low-Power Transmitter Tests	<b>405-256 KS-20286 Base Transmitter Combiner (MK)</b>		
405-221-504	2	Low-Power Transmitter Alignment	Addendum	1	
405-221-505	3	Test Transmitter Test	405-256-100	1	Description and Installation
405-221-506	3	Test Transmitter Alignment	Addendum	1	
<b>405-225 MOTOROLA KS-20285 Base Transmitters (MK)</b>			405-256-501	1	Test and Adjustments
405-225-100	1	Description	<b>405-3 MJ/MK Mobile Station</b>		
405-225-200	1	Installation	<b>405-311 MOTOROLA KS-19609 Mobile Radio (MJ)</b>		
405-225-501	2	Test Procedures	405-311-100	3	General Description
405-225-502	2	Alignment	405-311-101	1	Supervisory Unit Description
405-225-503	1	Trouble Location	405-311-200	1	Installation
<b>405-231 MOTOROLA KS-19618 Base Receiver (MJ)</b>			405-311-501	2	Transmitter-Receiver Tests
405-231-100	2	General Description	405-311-502	2	Transmitter-Receiver Alignment
Addendum	1		405-311-505	1	Supervisory Unit Tests
405-231-501	1	Tests	<b>405-312 GENERAL ELECTRIC* KS-19852 Mobile Radio (MJ)</b>		
405-231-502	2	Alignment	405-312-100	1	General Description
<b>405-235 KS-20285 Base Receiver (MK)</b>			405-312-101	1	Supervisory Unit Description
405-235-100	1	Description	405-312-200	1	Installation
405-235-200	1	Installation	405-312-501	1	Receiver Tests
405-235-501	1	Tests	405-312-502	1	Receiver Alignment
405-235-502	1	Alignment	405-312-503	1	Transmitter Tests
405-235-503	1	Trouble Location	405-312-504	1	Transmitter Alignment
<b>405-241 MOTOROLA KS-19618 Base Transmitter-Receiver (MJ)</b>			405-312-505	1	Supervisory Unit Tests
405-241-100	2	General Description	<b>405-313 MOTOROLA KS-21466 (MJ)</b>		
405-241-501	3	Tests	405-313-100	1	Mobile Radio Transmitter-Receiver — General Description
405-241-502	3	Alignment	<b>405-315 MOTOROLA KS-20282 (MK)</b>		
<b>405-245 KS-20285 Base Transmitter-Receiver (MK)</b>			405-315-100	1	Description
405-245-100	1	Description	405-315-101	1	Supervisory Unit — Description
405-245-200	1	Installation	405-315-200	1	Installation
405-245-501	2	Tests	405-315-501	2	Transmitter-Receiver Tests
405-245-502	2	Alignment	405-315-502	2	Transmitter-Receiver Alignment
<b>405-255 Mobile Simulator</b>			405-315-505	1	Supervisory Unit — Tests
405-255-100	1	Description and Installation			

\* General Electric is a registered trademark of General Electric Company.

Number	Issue	Subject
<b>405-316 MOTOROLA KS-21866</b>		
405-316-100	1	Mobile Radio Transmitter-Receiver — General Description

**405-331 KS-19626 and -7 Control Units (MJ)**

405-331-100	1	General Description
405-331-501	1	Tests and Alignment

**405-335 KS-20283, L1 Control Unit**

405-335-100	2	Description
❶ 405-335-501	1	Tests

Number	Issue	Subject
<b>405-816 ML Mobile Telephone — Mobile Equipment</b>		
❶ 405-816-100	1	KS-20712 — Description
❶ 405-816-101	1	Motorola KS-20712 L2 Mobile Radio Supervisory Unit — Description
❶ 405-816-102	1	KS-20712 L3 Control Unit — Description
❶ 405-816-501	1	KS-20712 L1 Mobile Radio — Transmitter- Receiver Tests
❶ 405-816-502	1	KS-20712 L1 Mobile Radio — Transmitter- Receiver Alignment
❶ 405-816-503	1	KS-20712 L2 Mobile Radio — Supervisory Unit Test

**405-8 Private Mobile Radio Systems****405-810 ML Mobile Telephone Overall System**

❶ 405-810-100	1	ML System General Description
❶ 405-810-101	1	Description
❶ 405-810-501	1	Remote Signaling Unit — Tests and Requirements
❶ 405-810-502	1	Lineup

**405-812 ML Mobile Telephone — Control Terminal**

❶ 405-812-100	1	Description
❶ 405-812-501	1	Initial and Routine Test

**405-814 ML Mobile Telephone — Base Station**

❶ 405-814-100	1	Description
❶ 405-814-101	1	250-Watt Transmitter — Description
❶ 405-814-102	1	Motorola KS-20713 L4-3 Receiver — Description
❶ 405-814-501	1	KS-20713 Transmitter — Routine Tests
❶ 405-814-502	1	KS-20713 Transmitter — Alignment
❶ 405-814-511	1	KS-20713 Receiver — Routine Tests
❶ 405-814-512	1	KS-20713 Receiver — Alignment

**Division 406****Air-Ground Radio****406-0 Index and Equipment Test Lists****406-1 Private Systems****406-2 Public Systems**

Number	Issue	Subject
<b>406-0 Index and Equipment Test Lists</b>		
406-000-000	26	Numerical Index — Division 406 — Air- Ground Radio
Addendum	1	
406-001-011	1	ETL

**406-1 Private Systems****406-100 ERCO 361-TB Transmitter**

406-100-000	2	General
406-100-100	2	Description
406-100-200	2	Installation
406-100-500	2	Tests

**406-101 ERCO 362-R Receiver**

406-101-100	2	Description
406-101-500	2	Tests

**406-102 ERCO Type 2040 Carrier-On Monitor**

406-102-000	1	Description, Installation, and Maintenance
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**406-110 COLLINS\* 242F-9C Transmitter**

406-110-100	1	Description
406-110-501	2	Initial Adjustments
406-110-502	1	Tests

\* COLLINS is a registered trademark of Rockwell International Corp.

Number	Issue	Subject
<b>406-111 MOTOROLA* CM-620 Receiver</b>		
406-111-100	1	Description
406-111-501	1	Initial Adjustments
406-111-502	1	Tests

**406-112 MOTOROLA CM-620A Receiver**

406-112-100	1	Description
406-112-501	1	Initial Adjustments
406-112-502	1	Tests

**406-113 COLLINS 51M-10 Receiver**

406-113-100	1	Description
406-113-300	1	Operation
406-113-501	1	Tests
406-113-502	1	Alignment

**406-116 Echo-Fox UHF Radio System**

Description		
406-116-100	3	Echo Fox II System Base Station — Overall System
Appendix 1	1	Description
Appendix 2	1	Overall System Tests
Appendix 3	1	Test and Alignment
Appendix 4	1	Unit Replacement and Repair Procedures
Appendix 5	1	Installation and Ordering Infor- mation
406-116-101	2	Base Station — General
406-116-102	2	Base Transmitter GE-MASTR Progress Line
406-116-103	2	Base Receiver GE-MASTR Pro- gress Line
Tests		
406-116-500	2	Control Office
406-116-501	2	Base Transmitter GE-MASTR Progress Line
406-116-502	2	Base Transmitter GE-MASTR Progress Line — Alignment
406-116-505	2	Base Receiver GE-MASTR Pro- gress Line

\* MOTOROLA is a registered trademark of Motorola, Inc.

Number	Issue	Subject
406-116-506	2	Base Receiver GE-MASTR Progress Line — Alignment
406-116-510	1	Station Power Supply
Addendum	1	
406-116-514	2	Auxiliary Equipment and Antenna Systems
406-116-800	4	Replacement and Repair Procedures

**406-120 Project Scopelight**

■ 406-120-100	1	Description and Operation
■ Appendix 1	1	Base Station Test and Alignment Procedures
■ Appendix 2	1	Replacement and Repair Procedures

**406-190 Project Nightwatch**

■ 406-190-110	1	Description and Operation
■ Appendix 1	1	Base Station Test and Alignment Procedures
■ Appendix 2	1	Equipment Replacement and Repair Procedures
■ Appendix 3	1	Mobile Ground Entry Point (MOGEP)— Description and Administration Requirements
■ Appendix 4	1	Mobile Ground Entry Point (MOGEP)— Deployment and Operational Procedures

**406-2 Public Systems**

**406-200 GENERAL ELECTRIC\* BO-42NA Base Station**

406-200-100	1	Description
<b>Tests</b>		
406-200-500	1	General Test Information
406-200-501	1	Circuit Facilities
406-200-502	1	K1 Control Terminal Local Tests

Number	Issue	Subject
406-200-503	1	Recording Station Announcement Using KS-16765 Announcement Set
406-200-504	1	Transmitter Modulation Adjustment
406-200-505	1	Receiver Squelch Setting
406-200-506	1	Base Station and K1 Control Terminal Line-Up
406-200-507	1	Talking, Alarm, Control, and Squelch Circuit Tests

**406-201 K1 Control Terminal**

Addendum	1	
406-201-100	1	Description
406-201-500	2	Tests

**406-202 J41642A Trunk Terminating Circuit**

406-202-100	1	Description
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**406-210 General System Requirements**

406-210-500	1	System Lineup
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**406-220 KS-21131 Control Terminal**

406-220-100	1	General Description
406-220-500	1	Base Station — System Lineup

\* GENERAL ELECTRIC is a registered trademark of General Electric Company.

**Division 407****Personal Radio Services****407-0 Indexes and Equipment Test Lists****407-1 35 MC Radio Paging System****407-2 150 MC Radio Paging System**

Number	Issue	Subject
<b>407-0 Indexes and Equipment Test Lists</b>		
407-000-000	24	Numerical Index — Division 407 — Personal Radio Services"
Addendum	2	
407-001-011	2	ETL

**407-1 35 MC Radio Paging System****407-100 Over-All System**

Addendum	1	
407-100-100	1	Description

**Tests**

407-100-501	1	Preliminary Tests
407-100-502	1	Control Circuits and Alarms
407-100-503	1	Landline Circuit Facilities
407-100-504	1	Frequency Measurements
407-100-505	1	Multi-Transmitter Systems Line-Up
407-100-506	1	Single Transmitter Systems Line-Up

**407-101 Budelman B-250-VA4 Transmitter**

407-101-100	1	Description
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**407-103 Bogen TR-308 Receivers**

407-103-000	1	General
407-103-100	1	Description
407-103-501	1	Models TR-308 and TR-308A
407-103-502	1	Model TR-308B
407-103-503	1	Decoder Wiring

Number	Issue	Subject
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**407-104 Bogen TR-360 Receiver**

407-104-100	1	Description
407-104-501	1	Tests
407-104-502	1	Alignment

**407-105 Bogen STROMBERG-CARLSON\* Signaling Control Terminal**

Addendum	1	
407-105-100	1	Description

**Tests**

407-105-500	1	General
Addendum	1	
407-105-501	1	Tone Generator Circuit
407-105-502	1	Register Circuits
407-105-503	1	Signaling Control Circuit
407-105-504	1	Transmitter Control Circuit Panel
407-105-505	1	Transmitter Identifier Circuit
407-105-506	1	Test and Supervisory Circuit
407-105-507	1	222A Interlock Control Circuit

**407-2 150 MC Radio Paging System****407-200 Overall System****Description**

407-200-100	1	General Description
407-200-101	2	Transmitter Controls and Alarms

**Tests**

407-200-500	1	System Lineup
407-200-501	2	Preliminary Delay Equalization
407-200-502	2	Land-Line Circuit Facilities
407-200-503	4	Signaling Tones
407-200-504	2	Station Identification
407-200-508	2	Final Delay Equalization
407-200-509	1	Completed-Call and Trouble Announcements

\* STROMBERG-CARLSON is a registered trademark of Stromberg-Carlson Corp.

Number	Issue	Subject
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**407-201 MOTOROLA\* KS-20429 Transmitter**

407-201-100	1	Description
407-201-200	1	Installation
407-201-501	1	Routine Tests
407-201-502	1	Alignment
407-201-503	1	Trouble Location

**407-204 MOTOROLA KS-20432, L1 Receiver**

407-204-100	1	Description
407-204-501	1	Routine Tests
407-204-502	1	Alignment
407-204-503	1	Trouble Location (with KS-20428 Battery Charger)

**407-207 J1 Control Terminal**

**Tests**

407-207-100	1	J99281 — General Description
407-207-501	1	J1 Terminal Switching Circuits
407-207-502	1	J99281S Transmitter Control and Tone Supply Bay

**407-210 Auxiliary Equipment**

**J41643A Base Station Transmitter Trunk Terminating Circuit**

407-210-100	2	Description
407-210-501	1	Tests

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\* MOTOROLA is a registered trademark of Motorola, Inc.

**Division 408****Narrowband Auxiliary Channel And Other Non-AT&T Microwave Radio Equipment And TV Off-The-Air Pick-Up Services****408-0 Index and Equipment Test List****408-1 MOTOROLA\* Microwave Radio**

- 100 Communications, Standby Type
- 110 Frequency Diversity Type
- 120 Type MR-10
- 130 VX1NO4/05 Fixed Television
- 140 VP1NO1/02 Portable Television

**408-2 RCA† Microwave Radio**

- 200 Type TTR/TRR
- 210 Type TVM-1A

**408-3 Federal and REL Microwave Radio**

- 301 Federal FLU-5107 Receiver
- 302 Federal FTR-28C Multiplex
- 310/314 REL Microwave Radio
- 320 ARADCOM (Army Air Defense Command) Microwave System
- 321 FAA Radar Remoting Systems (RML or RML-4)

**408-4 Documentation Ordering Information****408-7 Narrowband Microwave Radio Auxiliary Channel**

- 702/705 RAYTHEON‡ KS-20098 or FARINON§ KS-20311 Radio and KS-20099 Multiplex Equipment
- 706 FARINON KS-21046 Multiplex Equipment
- 707 FARINON KS-21047 Multiplex Equipment

**408-8 TV Off-the-Air Pick-Up Services**

- 800 CONrac¶ AV12 Audio-Video Receivers

\* MOTOROLA is a registered trademark of Motorola, Inc.

† RCA is a registered trademark of RCA Corporation.

‡ RAYTHEON is a registered trademark of Raytheon Manufacturing Company.

§ FARINON is a registered trademark of Harris Corporation.

¶ CONrac is a registered trademark of CONrac Corporation

**Number Issue Subject**  
**408-0 Index and Equipment Test List****408-000 Index**

408-000-000	18	Numerical Index — Division 408 — Motorola, RCA (Radio Corporation of America), Federal, REL (Radio Engineering Laboratories), Narrowband Auxiliary Channel and Other Non-AT&T Microwave Radio Equipment and TV Off-the-Air Pick-up Services
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**408-011 Equipment Test List**

Supplement 1	2	
408-001-011	1	Motorola, RCA, Federal, REL, Narrowband Auxiliary Channel and Other Non-AT&T Microwave Radio Equipment and TV Off-the-Air Pick-up Services

**408-1 MOTOROLA Microwave Radio****408-100 Communications, Standby Type**

408-100-000	1	General
408-100-330	1	Periodic Test Intervals
408-100-500	2	Tests

**408-110 Frequency Diversity Type****General**

408-110-000	1	General
408-110-330	1	Periodic Test Intervals

**Alignment Procedures**

408-110-500	1	General
408-110-501	1	Equipment Alignment
408-110-502	1	Preliminary Antenna Adjustments
408-110-503	1	MU-180-A Waveguide Diplexer Phase Shifter Adjustment

**P-8719-D IF Strip Alignment**

408-110-510	1	General
408-110-511	1	Using Measurements Corp. Model 80 Signal Generator
408-110-512	1	Using Rada-Sweep*

\* Rada-Sweep is a registered trademark of Kay Elemetrics Corporation

Number	Issue	Subject
<b>Measurements at 6000 Megacycles</b>		
408-110-520	1	General
408-110-521	1	Transmitter
408-110-522	1	Video Gain Adjustment — Terminals
408-110-523	1	Receiver
408-110-524	1	Comparator Equalizer Pads — Terminals
408-110-525	1	Comparator Equalizer Pads — Repeaters
408-110-526	1	Comparator Equalizer Pads — Alternate Method

**Signal Comparator Adjustment**

408-110-530	1	General
408-110-531	1	MU-161 Signal Comparator Alignment
408-110-532	1	Pilot Receiver

**408-120 Type MR-10**

**General**

408-120-000	1	General
408-120-330	1	Periodic Test Intervals

**System Tests**

408-120-500	2	General
408-120-501	1	Mixer and Monitor Crystal Tests
408-120-502	1	Power Supply Tests
408-120-503	1	Preliminary RF Tests and Adjustments
408-120-504	1	Final RF Tests and Adjustments
408-120-505	1	Waveguide Diplexer Phase Shifter Adjustment
408-120-506	1	AFC Tests and Adjustments
408-120-507	1	IF Amplifier Noise Balance and Output
408-120-508	2	Signal Comparator Tests and Adjustments
408-120-509	1	Pilot Channel Transmitter and Receiver Tests
408-120-510	1	Sensing Panel Tests and Adjustments
408-120-511	1	Alarm Equipment Tests and Adjustments

Number	Issue	Subject
<b>Measurements Using Hewlett-Packard 623B SHF Test Set</b>		
408-120-520	1	General
408-120-521	1	Test Flange Loss, Transmitter Power, and Frequency
408-120-522	1	Receiver
408-120-523	1	Modulation Amplifier — Gain Adjustment

**Unit Tests**

408-120-530	1	General
408-120-531	1	Modulation Amplifier
408-120-532	1	IF Amplifier

**408-130 VX1NO4/05 Fixed Television**

**General**

408-130-100	1	Description
408-130-330	1	Periodic Test Intervals
408-130-500	2	General Test Information

**Transmitter Tests**

408-130-501	1	Voltages
408-130-502	1	RF Tuning
408-130-503	1	RF Power and Frequency
408-130-504	1	Alarm Adjustment and Remote Control Operation

**Receiver Tests**

408-130-511	1	Voltages
408-130-512	1	RF Tuning
408-130-513	1	Mixer Performance and Adjustment
408-130-514	1	AFC Check
408-130-515	1	Noise Level
408-130-516	1	Bandpass
408-130-517	1	Received Signal Level
408-130-518	1	Alarm Adjustment and Remote Control Operation

**System Tests**

408-130-521	2	Transmitter Deviation and Channel Net Gain
408-130-522	1	Video Frequency Response
408-130-523	1	Video Frequency Response Less Terminal Equipment
408-130-524	1	Square Wave Response



Number	Issue	Subject	Number	Issue	Subject
408-130-525	2	Differential Phase and Gain	408-140-504	1	Alarm Adjustment and Remote Control Operation
408-130-526	1	Noise and Hum			
<b>Unit Tests</b>			<b>Receiver Tests</b>		
408-130-531	1	MU-165 Test Oscillator and Balun Amplifier	408-140-511	1	Voltages
408-130-532	1	MU-231 Video Modulation Amplifier	408-140-512	1	RF Tuning
408-130-533	1	MK-214 RF Box and Control Panel (Transmitter)	408-140-513	1	Mixer Performance and Adjustment
408-130-534	1	MK-215 RF Box and Control Panel (Receiver)	408-140-514	1	AFC Check
408-130-535	1	IF Performance	408-140-515	1	Noise Level
408-130-536	2	IF Alignment	408-140-516	1	Bandpass
408-130-537	1	MU-216 AFC Chassis	408-140-517	1	Received Signal Level
408-130-538	1	MU-230 Video Line Preamplifier	408-140-518	1	Alarm Adjustment and Remote Control Operation
408-130-539	1	MU-169 Video Line Amplifier	<b>System Tests</b>		
408-130-540	1	MU-219 Power Supply	408-140-521	1	Transmitter Deviation and Channel Net Gain
408-130-541	1	MU-206 Power Supply	408-140-522	1	Video Frequency Response
408-130-542	1	MU-207 Power Supply	408-140-523	1	Square Wave Response
408-130-543	1	MU-208 Power Supply	408-140-524	1	Differential Phase and Gain
<b>Miscellaneous Information</b>			408-140-525	1	Noise and Hum
408-130-551	2	Voltage and Resistance Tables	<b>Unit Tests</b>		
408-130-552	2	List of Test Equipment	408-140-531	1	MU-165 Test Oscillator and Balun Amplifier
408-130-553	1	Patch Cords	408-140-532	1	MU-231 Video Modulation Amplifier
408-130-554	1	Electron Tube Compliments	408-140-533	1	MU-204 Control Panel (Transmitter)
408-130-555	1	Spare Parts List	408-140-534	1	MK-209 RF Box (Transmitter)
408-130-556	1	Adjusting Transmitter to New Frequency	408-140-535	1	MU-205A Control Panel (Receiver)
408-130-557	1	Adjusting Receiver to New Frequency	408-140-536	1	MK-210 RF Box (Receiver)
<b>408-140 VP1NO1/02 Portable Television</b>			408-140-537	1	IF Performance
<b>General</b>			408-140-538	1	IF Alignment
408-140-100	1	Description	408-140-539	2	AFC Performance
408-140-200	1	Installation	408-140-540	1	MU-230 Video Line Preamplifier
408-140-300	1	Operation	408-140-541	1	MU-169 Video Line Amplifier
408-140-330	1	Periodic Test Intervals	408-140-542	1	MU-201 Power Supply
408-140-500	1	General Test Information	408-140-543	1	MU-202 Power Supply
<b>Transmitter Tests</b>			408-140-544	1	MU-203 Power Supply
408-140-501	1	Voltages	<b>Miscellaneous Information</b>		
408-140-502	1	RF Tuning	408-140-551	1	Electron Tube Compliments
408-140-503	1	RF Power and Frequency	408-140-552	1	Spare Parts List

Number	Issue	Subject
408-140-553	1	Adjusting Transmitter to New Frequency
408-140-554	1	Adjusting Receiver to New Frequency

**408-2 RCA Microwave Radio**

**408-200 Type TTR/TRR**

**General**

408-200-100	2	Description
408-200-200	1	Installation
408-200-300	1	Operation
408-200-330	2	Periodic Test Intervals
408-200-500	2	General Test Information

**Transmitter Tests**

408-200-501	1	Assembly
408-200-502	1	Tuning
408-200-503	1	Video Amplifier Gain and Response
408-200-504	1	Frequency and Power Output
408-200-505	1	Fixed Wavemeter Frequency Measurement

**Receiver Tests**

408-200-511	1	Assembly
408-200-512	1	Tuning
408-200-513	1	AFC Alignment
408-200-514	1	IF Bandpass and Alignment
408-200-515	1	Video Discriminator Alignment
408-200-516	1	AFC Discriminator Alignment
408-200-517	1	Video Amplifier Gain and Response

**System Tests**

408-200-521	1	Tuning
408-200-522	1	Differential Phase and Gain
408-200-523	1	Baseband Gain and Response
408-200-524	1	Noise and Hum
408-200-525	1	Square Wave Response

**Trouble Location**

408-200-531	1	Transmitter — Early Model 1B
408-200-532	1	Transmitter — Models 1B and 1C

Number	Issue	Subject
408-200-533	1	Receiver — Models 1B, 1C, and 1D
408-200-534	1	Receiver — Power Supply

**Mechanical Procedures**

408-200-541	1	Transmitter or Receiver Removal From Weatherproof Housing
408-200-542	1	Removal of Covers from Control Unit Carrying Cases
408-200-543	1	Installing or Removing Transmitter Wavemeter
408-200-544	1	Replacing Klystron

**Modifications**

408-200-551	1	Low Frequency Conversion Kit
408-200-552	1	Intercommunication Circuit
408-200-553	1	Hum Bucking Circuit
408-200-554	1	Receiver Power Supplies
408-200-555	1	Transmitter Fixed Cavity Wavemeter

**408-210 Type TVM-1A**

**General**

408-210-000	1	General
408-210-200	1	Installation
408-210-300	1	Operation
408-210-330	1	Periodic Test Intervals
408-210-500	1	General Test Information

**Transmitter Tests**

408-210-501	1	Tuning
408-210-502	1	Modulation-Deviation Reference Voltages
408-210-503	1	Monitor Unit
408-210-504	1	Video Modulator
408-210-505	1	AFC Unit
408-210-506	1	Differential Phase and Gain
408-210-507	1	Video and Square Wave Response
408-210-508	1	RF Power Output and Wavemeter Check
408-210-509	1	Power Supply

**Receiver Tests**

408-210-511	1	Tuning
408-210-512	1	IF Alignment

Number	Issue	Subject	Number	Issue	Subject
408-210-513	1	IF Preamplifier Alignment	<b>REL 756 Receiver</b>		
408-210-514	1	IF Amplifier Alignment	408-312-100	1	Description
408-210-515	1	Limiter-Discriminator Alignment	408-312-330	1	Periodic Test Intervals
408-210-516	1	Video Amplifier	408-312-500	1	Maintenance
408-210-517	1	AFC Unit	<b>REL 756J Receiver</b>		
408-210-518	1	Differential Phase and Gain	408-313-100	1	Description
408-210-519	1	Video Response	408-313-330	1	Periodic Test Intervals
408-210-520	1	Noise Level	408-313-500	1	Maintenance
408-210-521	1	Power Supply	<b>VF Service Channel For REL 756J Equipment</b>		
<b>System Tests</b>			408-314-100	1	Description
408-210-531	1	Tuning	408-314-330	1	Periodic Test Intervals
408-210-532	1	Differential Phase and Gain	408-314-500	1	Maintenance
408-210-533	1	IF Gain and Video Response	<b>408-320 ARADCOM (Army Air Defense Command) Microwave System</b>		
408-210-534	1	Square Wave Response	408-320-000	1	Collins* MS-508C Microwave and MX-106 Multiplex Systems
408-210-535	1	Noise and Hum	<b>408-321 FAA Radar Remoting Systems (RML or RML-4)</b>		
<b>408-3 Federal and REL Microwave Radio</b>			■ 408-321-501	1	RML-4 Cape Charles — Leesburg — MW- 103 Transmitting Terminal
<b>408-301 Federal FLU-5107 Receiver</b>			■ 408-321-502	1	RML-4 Cape Charles — Leesburg — MW- 103 Intermediate Station
408-301-100	1	Description	■ 408-321-503	1	RML-4 Cape Charles — Leesburg — MW- 103 Receiving Terminal
408-301-330	1	Periodic Test Intervals	■ 408-321-504	1	RML-4 Mt Laguna — Palmdale — MW- 105 Transmitting Terminal
408-301-500	1	Maintenance	■ 408-321-505	1	RML-4 Mt Laguna — Palmdale — MW- 105 Receiving Terminal
<b>408-302 Federal FTR-28C Multiplex Equipment</b>			■ 408-321-506	1	RML Fallon — Transmitting Terminal
408-302-000	1	General	■ 408-321-507	1	RML Fremont — Receiving Terminal
408-302-100	1	Description			
408-302-330	1	Periodic Test Intervals			
408-302-500	1	Maintenance			
<b>408-310/314 REL Microwave Radio</b>					
<b>REL 756 Transmitter</b>					
408-310-000	1	General			
408-310-100	1	Description			
408-310-330	1	Periodic Test Intervals			
408-310-500	1	Maintenance			
<b>REL 756J Transmitter</b>					
408-311-000	1	General			
408-311-100	1	Description			
408-311-330	1	Periodic Test Intervals			
408-311-500	1	Maintenance			

\* Collins is a registered trademark of Rockwell International Corporation

Number	Issue	Subject
<b>408-4 Documentation Ordering Information</b>		
■ 408-400-000AC	1	NEC* DR6-135 Application Manual — 500 Series
■ 408-400-001AC	1	NEC DR6-135 Digital Service Channel — 500 Series
■ 408-400-002AC	1	NEC DR6-135 Transmitter/Receiver — 500 Series
■ 408-400-003AC	1	NEC DR6-135 Radio Systems Application Manual — 500 Series
■ 408-400-004AC	1	NEC DR11-135 Radio Systems Application Manual — 500 Series
■ 408-400-005AC	1	NEC DR6-135 Microwave Radio Overall System — 800 Series
■ 408-400-006AC	1	NEC DR6-135 Microwave Radio Transmitter/Receiver — 800 Series
■ 408-400-007AC	1	NEC DR6-135 Microwave Radio 64 Qam Modulator/Demodulator — 800 Series

**408-7 Narrowband Microwave Radio Auxiliary Channel**

**408-702/705 RAYTHEON KS-20098 or FARINON KS-20311 Radio and KS-20099 Multiplex Equipment**

**Overall System**

408-702-100	1	Description
408-702-102	1	FARINON KS-21046 Radio and KS-21047 Multiplex Equipment — Description
408-702-502	1	FARINON KS-21046 Microwave Radio — FARINON KS-21047 Multiplex Equipment — Overall System Lineup

**RAYTHEON KS-20098 Radio Equipment**

408-703-000	2	Description, Operation, and Maintenance
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**FARINON KS-20311 Radio Equipment**

408-704-001	1	4-GHz Space Diversity System — Description, Operation, and Maintenance
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Number	Issue	Subject
408-704-002	1	2-GHz/4-GHz Crossband Diversity System — Description, Operation, and Maintenance
408-704-003	1	2-GHz Monitored Hot Standby System — Description, Operation, and Maintenance
408-704-004	1	4-GHz Monitored Hot Standby System — Description, Operation, and Maintenance

**FARINON KS-20099 Multiplex Equipment**

408-705-000	1	Description, Operation, and Maintenance
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**408-706 FARINON KS-21046 Multiplex Equipment**

408-706-001	1	2-GHz System — Description, Operation, and Maintenance
408-706-002	1	4-GHz System — Description, Operation, and Maintenance

**408-707 FARINON KS-21047 Multiplex Equipment**

408-707-000	1	Description, Operation, and Maintenance
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**408-8 TV Off-the-Air Pick-Up Services**

**408-800 CONrac AV12 Audio-Video Receivers**

408-800-000	1	General
408-800-300	1	Operation

**Tests**

408-800-330	1	Periodic Test Intervals
408-800-500	1	General
408-800-501	2	Test Equipment, Tools, and Patch Cords
408-800-502	1	Calibrating Simpson Signal Generator
408-800-503	1	Mega-Pix Calibration
408-800-504	1	Voltage Checks
408-800-505	1	Quality Checks Using Broadcaster's Signal
408-800-506	1	Video Response
408-800-507	1	Audio Response
408-800-508	1	Signal-To-Noise Ratio
408-800-509	1	Differential Phase and Gain

\* NEC is a registered trademark of Nippon Kabushiki Kaisha

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<b>Number</b>	<b>Issue</b>	<b>Subject</b>
408-800-510	1	Composite Signal Test
408-800-511	1	Single Frequency Noise
408-800-512	1	IF Amplifier Alignment
408-800-513	1	RF Tuning and Over-all Alignment
408-800-514	1	Crystal Control Unit
408-800-515	1	Sound Channel Alignment

**Division 409**

**TE, TJ, TL, and TM Microwave Radio**

**409-0 Indexes and Equipment Test Lists**

-099 Customer Information Release (CIR)

**409-1 TE Microwave Radio**

- 100 Overall System
- 110 TE-T1 Transmitter
- 120 TE-R1 Receiver
- 130 TE-T2 Transmitter
- 140 TE-R2 Receiver
- 150 TE-A1 Amplifier

**409-2 TJ or TJ/TM-1 Microwave Radio**

- 200 TJ Microwave Radio
- 201 TJ/TM-1 Microwave Radio
- 210 TJ Transmitter Tests
- 220 TJ Receiver Tests
- 230 TJ Auxiliary Bay Tests
- 240 TJ — Systems Tests — Light Loading
- 241 TJ/TM-1 — Systems Tests — Heavy Loading
- 242 TJ Microwave Radio — Systems Tests — Heavy Loading

**409-3 TL-1 Microwave Radio**

- 300 Description
- 301 Operation
- 302 General Information
- 303 System Tests
- 304 Transmitter Tests
- 305 Transmitter-Receiver Equipment Tests
- 306 Receiver Tests
- 308 Power Supply Tests
- 310 Order Wire and Alarm Tests
- 312 Diversity Switch Tests

**409-4 TL-2 and TM-1 Microwave Radio**

- 400 Description
- 401 Operation
- 402 General Maintenance Tests
- 403 System Tests
- 404 Transmitter Tests

- 405 TM-A1 Power Amplifier
- 406 Receiver Tests
- 408 Power Supply Tests
- 410 Order-Wire and Alarm Tests
- 412 Diversity Switch Tests
- 420 TL-2 Portable Microwave

**409-5 TM-2/TM-2A Microwave Radio**

- 500 Description
- 502 General Maintenance Tests
- 503 System Tests
- 504 Transmitter Tests
- 506 Receiver Tests
- 508 Power Supply Tests
- 512 Hot Standby Switch

**409-6 Ancillary Equipment**

**409-7 Overall System**

Number	Issue	Subject
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**409-0 Indexes and Equipment Test Lists**

409-000-000	34	Numerical Index — Division 409 — TE, TJ, TL, and TM Microwave Radio
409-001-011	10	ETL — TE, TJ, TL, and TM Microwave Radio
409-001-012	1	TL-1 Radio
409-001-013	1	TL-2/TM-1 Radio
409-001-014	1	TM-2/TM-2A Radio
409-001-015	1	Short Haul Radio

**409-099 Customer Information Release (CIR)**

<input type="checkbox"/>	409-099-001 IR	1	Discontinued Availability of TM-2 and TM-2A Microwave Radio Systems, Transmission Systems
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**409-1 TE Microwave Radio**

**409-100 Overall System**

409-100-100	3	Description
409-100-500	3	Tests
409-100-501	1	Modification for NTSC Color

Number	Issue	Subject	Number	Issue	Subject
<b>409-110 TE-T1 Transmitter</b>			409-200-106	2	D1 Auxiliary Bay
409-110-100	4	Description	409-200-107	1	D2 Auxiliary Bay
409-110-500	4	Tests	<b>General Tests</b>		
409-110-501	1	Modification for Remote and Local Control and Use of Improved Klystron	Addendum	1	
409-110-502	1	Modification for NTSC Color	409-200-500	5	General Test Information
<b>409-120 TE-R1 Receiver</b>			409-200-501	2	Tools
409-120-100	4	Description	409-200-502	5	TR Bay — Power Supply Tests and Voltage Checks
409-120-500	4	Tests	409-200-503	3	Auxiliary Bay — Power Supply Tests and Voltage Checks
409-120-501	2	Modification for Improved Operation and Maintenance	409-200-504	2	Waveguide Components Losses
409-120-502	1	Modification for NTSC Color	<b>409-201 TJ/TM-1 Microwave Radio</b>		
<b>409-130 TE-T2 Transmitter</b>			<b>Description</b>		
409-130-100	2	Description	409-201-100	1	General
409-130-500	2	Tests	409-201-101	1	Overall System
409-130-501	1	Modification for NTSC Color	<b>General Tests</b>		
<b>409-140 TE-R2 Receiver</b>			409-201-503	2	Auxiliary Bay — Power Supply Tests and Voltage Checks
409-140-100	2	Description	<b>409-210 TJ Transmitter Tests</b>		
409-140-500	2	Tests	409-210-501	4	Frequency and Power Output
409-140-501	1	Modification for Improved Operation and Maintenance	409-210-502	2	Deviation
409-140-502	1	Modification for NTSC Color	409-210-503	4	Linearity
<b>409-150 TE-A1 Amplifier</b>			409-210-504	3	Baseband Amplifier Response
409-150-100	1	Description	Addendum	1	
409-150-500	1	Tests	409-210-505	3	Component Replacement
<b>409-2 TJ or TJ/TM-1 Microwave Radio</b>			<b>409-220 TJ Receiver Tests</b>		
<b>409-200 TJ Microwave Radio</b>			409-220-501	4	RF to IF Tests
<b>Description</b>			Addendum	1	
409-200-100	3	General	409-220-502	4	Baseband Amplifier Power Output, Frequency Response, Noise Quieting, and Squelch Adjustments
409-200-101	4	Overall System	409-220-503	3	Linearity
409-200-102	3	Transmitter-Receiver Bay	409-220-504	3	1A Modulator or J99296AA List 3, 4 Modulator Preampifier
409-200-103	2	Power Supply	409-220-505	4	Component Replacement
409-200-104	4	Transmitter	409-220-506	3	Noise Figure Measurements
409-200-105	4	Receiver	409-220-507	1	IF Unit Impedance Matching

Number	Issue	Subject	Number	Issue	Subject
<b>409-230 TJ Auxiliary Bay Tests</b>			<b>409-242 TJ Microwave Radio — Systems Tests — Heavy Loading</b>		
409-230-500	2	General	409-242-500	1	General
409-230-501	2	Diversity Switch and Transmission Unit	409-242-501	1	Initial Line-Up Test Sequence
<b>409-231 TJ/TM-1 Auxiliary Bay</b>			409-242-502	1	Received Signal Level, IF, and Squelch Tests
409-231-501	1	Diversity Switch and Transmission Unit	Addendum	1	
<b>409-240 TJ — Systems Tests — Light Loading</b>			409-242-503	1	Transmitter-Receiver Link Deviation
409-240-500	4	General	409-242-504	2	Transmitter-Receiver — Link Linearity Test
409-240-501	3	Initial Line-up Test Sequence	409-242-505	1	Net Loss Measurements
Addendum	1		409-242-506	2	Comparator Tests
409-240-502	2	Received Signal Level	409-242-507	1	Signaling and Pilot Tone Levels
409-240-503	3	Transmitter Deviation	409-242-508	1	Pilot Monitor Tests and Adjustments
409-240-504	2	Receiver Gain	409-242-509	2	Noise Loading Measurements
409-240-505	3	Net Loss Measurements	<b>409-3 TL-1 Microwave Radio</b>		
409-240-506	4	Telephone With Diversity — Comparator Tests	<b>409-300 Description</b>		
409-240-507	4	Signaling and Pilot Tone Levels	409-300-100	3	General
409-240-508	2	Pilot Monitor Tests and Adjustments	409-300-101	3	Overall System
<b>409-241 TJ/TM-1 — Systems Tests — Heavy Loading</b>			409-300-102	4	Transmitter-Receiver Bay
409-241-500	2	General	Addendum	1	
Addendum	1		409-300-103	1	Transmitter
409-241-501	2	Initial Line-Up Test Sequence and Periodic Test Intervals	409-300-104	2	Receiver
409-241-502	3	Received Signal Level	409-300-105	1	Power Supply
Addendum	1		409-300-106	1	Diversity Switch
409-241-503	2	Transmitter-Receiver Link Deviation	409-300-107	1	Order Wire and Alarm
Addendum	1		<b>409-301 Operation</b>		
409-241-504	1	Transmitter-Receiver — Link Linearity Test	409-301-300	1	Operation-Order Wire and Alarm
409-241-505	2	Net Loss Measurements	<b>409-302 General Information</b>		
409-241-506	2	Comparator Tests and Adjustments	409-302-330	2	Periodic Test Intervals
409-241-507	2	Signaling and Pilot Tone Levels	409-302-500	2	General Maintenance
409-241-508	2	Pilot Monitor Tests and Adjustments	409-302-501	3	Transmitter-Receiver Bay — Checks and Trouble Location
409-241-509	2	Noise Loading Measurements	409-302-502	1	Cabinet Equipment — Miscellaneous Items



Number	Issue	Subject	Number	Issue	Subject
<b>409-303 System Tests</b>			<b>409-310 Order Wire and Alarm Tests</b>		
409-303-500	2	General	409-310-500	1	General
409-303-501	1	Transmission Measurement	409-310-501	1	Alarm Circuit Checks
409-303-502	1	Idle Noise	409-310-502	1	Level and Frequency Adjustments
409-303-503	1	600-Circuit Noise Loading Tests for Message Systems	409-310-503	1	Encoder
409-303-504	1	Envelope Delay and Linearity Tests	<b>409-312 Diversity Switch Tests</b>		
<b>409-304 Transmitter Tests</b>			409-312-500	1	General
409-304-500	1	General	409-312-501	2	Performance Checks, Alignment, and Unit Replacement
409-304-501	2	Frequency and Linearity	<b>409-4 TL-2 and TM-1 Microwave Radio</b>		
409-304-502	1	Deviation	<b>409-400 Description</b>		
409-304-503	1	Baseband Amplifier	409-400-100	3	General
Addendum	1		409-400-101	2	TL-2 Overall System
409-304-504	3	Component and Subassembly Replacement	409-400-102	4	TL-2 Transmitter-Receiver Arrangements
<b>409-305 Transmitter-Receiver Equipment Tests</b>			409-400-103	3	Transmitter
409-305-500	1	Component and Subassembly Replacement	409-400-104	4	Receiver
<b>409-306 Receiver Tests</b>			409-400-111	2	TM-1 Overall System
409-306-500	2	General	409-400-112	3	TM-1 Transmitter-Receiver Arrangement
409-306-501	2	Baseband Amplifier Gain Adjustment	409-400-113	3	TM-1 Transmitter
409-306-502	2	AFC Alignment and In-Service Checks	409-400-114	3	Receiver
409-306-503	2	Received Signal Level	409-400-121	1	Power Supply
409-306-504	2	Squelch Circuit Alignment	409-400-122	2	Power Supply — Chargers and Battery
Addendum	1		409-400-123	2	J99296L Bistable Diversity Switch — J99302M Revertive Diversity Switch
409-306-505	2	Miscellaneous Out-Of-Service Checks	409-400-124	2	Order Wire and Alarm
409-306-506	3	Component and Subassembly Replacement	409-400-125	2	Television Transmission Systems Equipped With J99296AC, AD, AE, and AH Video Panels
<b>409-308 Power Supply Tests</b>			409-400-126	1	Television Transmission — J99296AJ and AK Video Panels
409-308-500	1	General	① 409-400-127	1	Hot Standby Transmitter Switch Control Panel — J99302BL
409-308-501	2	Voltage Checks	409-400-140	1	TM-A1 Power Amplifier
409-308-502	1	Component and Sub-Assembly Replacement	409-400-141	2	TM-A1 TWT Power Supply
			409-400-145	1	TL-A2 Power Amplifier
			409-400-146	1	TL-A2 Power Supply
			409-400-150	1	TM-B1 Power Amplifier

Number	Issue	Subject	Number	Issue	Subject
409-400-151	1	TM-B1 Power Supply	409-404-507	2	TL-A2 Power Amplifier — Tune-up and Replacement Procedures
<b>409-401 Operation</b>			<b>409-405 TM-A1 Power Amplifier</b>		
409-401-300	1	Order Wire and Alarm	409-405-501	2	Component and Subassembly Replacement
<b>409-402 General Maintenance Tests</b>			<b>409-406 Receiver Tests</b>		
Addendum	1		409-406-500	2	General
409-402-500	4	General	409-406-501	2	Baseband Amplifier Gain Adjustment
409-402-501	3	Removing and Restoring Service	409-406-502	3	AFC Alignment and In-Service Checks
409-402-502	5	Transmitter-Receiver Bay — Checks and Trouble Location	409-406-503	4	Received Signal Level
409-402-503	5	Building and Housing Equipment	409-406-504	4	Squelch Sensitivity
409-402-504	2	TM-A1 Power Amplifier	409-406-505	5	Miscellaneous Out-of-Service Checks
<b>409-403 System Tests</b>			409-406-506	3	Component and Subassembly Replacement
Addendum	1		<b>409-408 Power Supply Tests</b>		
409-403-500	4	General	409-408-501	3	Regulator, Inverter, and Rectifier
409-403-501	4	Message Transmission	409-408-503	2	Subassembly Replacement
409-403-502	2	Television Transmission — Systems Equipped With J99296AC, AD, AE and AH Video Panels	409-408-505	2	TM-A1 Power Supply
409-403-503	1	Television Transmission — Systems Equipped With J99296AJ and J99296AK Video Panels	<b>409-410 Order-Wire and Alarm Tests</b>		
409-403-504	2	Idle Noise	409-410-501	3	Alarm Circuit Checks
409-403-505	1	600 Circuit Noise-Loading Tests for Message Systems	409-410-502	1	Level and Frequency Adjustments
409-403-506	1	Envelope Delay and Linearity	409-410-503	3	Encoder
Addendum	2		409-410-504	3	Transmitter Alarm Initiator
409-403-507	1	1200-Circuit Noise Loading Tests for Message Systems	<b>409-412 Diversity Switch Tests</b>		
<b>409-404 Transmitter Tests</b>			409-412-501	5	Diversity Switch Tests, Alignment, and Unit Replacement
Addendum	1		① 409-412-502	1	Hot Standby Transmitter Switch Control Panel J99302BL — Tests, Alignment, and Subassembly Replacement
409-404-501	3	Frequency and Linearity	<b>409-420 TL-2 Portable Microwave</b>		
409-404-502	3	Deviation	<b>Description</b>		
Addendum	1		409-420-100	1	General
409-404-503	3	Baseband Amplifier	409-420-101	1	Over-all System
409-404-504	4	Component and Subassembly Replacement			
409-404-505	3	Power Output			
Addendum	1				
409-404-506	1	TM-B1 Power Amplifier — Tune-up and Replacement Procedures			

Number	Issue	Subject	Number	Issue	Subject
409-420-102	1	Order Wire and Alarm	409-504-502	5	FM Transmitter Modulator and Microwave Amplifier
409-420-103	1	Television Transmission — J99296BF-1 Video Unit	409-504-503	3	Component and Subassembly Replacement
<b>Installation</b>			<b>409-506 Receiver Tests</b>		
409-420-200	1	Installation and Operation	409-506-500	3	General
<b>Tests</b>			409-506-501	3	Local Oscillator
Addendum	1		409-506-502	3	Received Signal Power
409-420-500	1	General	409-506-503	3	IF Amplifier and FM Receiver
			409-506-504	3	Component and Subassembly Replacement
<b>409-5 TM-2/TM-2A Microwave Radio</b>			<b>409-508 Power Supply Tests</b>		
<b>409-500 Description</b>			409-508-501	3	91A Power Unit and Im-19 Volt Regulator (ED-3C400-30)
409-500-100	3	General	409-508-502	3	Component and Subassembly Replacement
409-500-101	3	Overall System	<b>409-512 Hot Standby Switch</b>		
409-500-102	3	Transmitter-Receiver Arrangement	409-512-501	1	Receiver Tests, Alignment, and Subassembly Replacement
409-500-103	2	Transmitter-Receiver Panel — Description	409-512-502	1	Transmitter — Control Panel — Tests, Alignment, and Subassembly Replacement
409-500-121	2	91A and 91B Power Units	<b>409-6 Ancillary Equipment</b>		
509-500-122	1	220A Power Unit	<b>Description</b>		
<b>409-502 General Maintenance Tests</b>			409-600-100	1	Description
409-502-500	3	General	409-600-101	1	Baseband Access Panel
409-502-501	4	Removing and Restoring Service	409-600-102	1	Basic Radio Order Wire
409-502-502	3	Transmitter-Receiver Panel — Checks and Trouble Location	409-600-103	1	Radio and Common Alarms
409-502-503	1	Transmitter — Receiver Panel — Back-To- Back Testing Methods	409-600-104	1	2600-Hz Supply Circuit
<b>409-503 System Tests</b>			409-600-105	1	Baseband Monitor, Switch, and Control for HF Pilot
409-503-500	2	General	409-600-106	1	Order Wire and Alarm Multiplex
409-503-501	1	Message Transmission	409-600-107	2	Power Supply — Chargers and Battery
409-503-502	1	Television Transmission	409-600-108	1	Short Haul Radio — 1A-Radio Digital System Transmission
409-503-503	1	Idle Noise	<b>Tests</b>		
Addendum	2		409-600-500	1	General Maintenance
409-503-504	1	1200-Circuit Noise Loading Tests for Message Systems	409-600-501	1	Baseband Access Panel
409-503-505	1	Envelope Delay and Linearity			
<b>409-504 Transmitter Tests</b>					
409-504-500	2	General			
409-504-501	3	Local Oscillator			

Number	Issue	Subject
409-600-502	1	Basic Radio Order Wire
409-600-503	1	Radio and Common Alarms
409-600-504	1	2600-Hz Supply Circuit
409-600-505	1	Monitor, Alarm, and Switch Control Units for HF Pilot — Alignment and Subassembly Replacement
409-600-506	1	Equipment Tests — Order Wire and Alarm Multiplex
409-600-507	2	Installation and Maintenance — Power Supply — Chargers and Battery
409-600-508	2	Short Haul Radio — Equipment Tests — 1A- Radio Digital System Transmission

#### 409-7 Overall System

409-700-100	1	Description
409-700-500	1	General Test Information
409-701-500	1	In-Service Testing
409-701-501	1	Short Haul Radio — In-Service Testing — Channel Net Gain and Baseland Response
409-702-500	1	Short Haul Radio — Out-of-Service System Tests — General Test Information
409-702-501	1	Out-of-Service System Tests — Envelope Delay and Linearity
409-702-502	1	Short Haul Radio — Out-of-Service System Tests — Channel Net Gain and Baseband Response
409-702-503	1	Short Haul Radio — Out-of-Service System Tests — Thermal Noise and Spurious Tones
409-702-504	1	Short Haul Radio — System Tests — Noise Loading
409-702-505	1	Short Haul Radio — System Tests — Differential Phase and Gain

**Division 410**

**TD-2 Microwave Radio**

**410-0 Index and Equipment Test List**

**410-1 Overall System**

**410-2 FM Terminals**

**410-4 Transmitter-Receiver Bay**

**410-6 Automatic Protection Switching**

**410-7 Maintenance Center**

**410-8 Antenna Duplexing**

**410-9 Auxiliary Equipment**

Number	Issue	Subject
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**410-0 Index and Equipment Test List**

**410-000 Index**

410-000-000	62	Numerical Index — Division 410 — TD-2 Microwave Radio
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**410-001 Equipment Test List**

410-001-011	14	TD-2 Radio
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**410-1 Overall System**

**Description**

410-100-100	3	General
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**Operation**

410-100-301	1	Initial Lineup of Channels
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**Tests**

410-100-500	5	General Test Information
410-100-501	4	Channel Net Gain
410-100-502	5	Baseband Response
410-100-503	2	Differential Phase and Gain
410-100-504	9	Noise and Tones

Number	Issue	Subject
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410-100-505	2	40 Mc Shifter Tone Test
410-100-506	1	Carrier Frequency Measurements
410-100-507	7	Envelope Delay
410-100-508	6	Message Service Connections and Levels
410-100-509	2	Television Service Connections and Levels
410-100-510	4	Received Signal Level
Addendum	1	
410-100-513	2	Noise Loading

**410-2 FM Terminals**

**Transmitter**

**410-200 General**

**Description**

Addendum	1	
410-200-101	1	J68336A FM Transmitter
Addendum	2	
410-200-102	1	J68336K FM Transmitter

**Operation**

410-200-301	1	Placement In and Removal From Service
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**Tests**

410-200-501	2	In-Service Checks
Addendum	1	
410-200-502	5	Supply Voltages and Filament Activity
410-200-503	2	Capacitor Check
410-200-510	1	Over-all Transmission
410-200-511	2	Test Charts

**410-202 Control Panel — Tests**

410-202-511	1	Supply Voltage Noise Measurement
410-202-512	1	Voltage and Resistance Tables

**410-204 Video Amplifier — Tests**

410-204-501	1	AFC Gate Pulse Level
410-204-502	1	Noise and Vibration Check
410-204-503	1	Gain and Baseband Response

Number	Issue	Subject
410-204-511	1	Longitudinal Current Suppression Adjustment
410-204-512	1	Square Wave Response
410-204-513	1	Differential Phase and Gain
410-204-514	1	AFC Gate Pulse Rate Adjustment
410-204-515	2	J68336 FM Transmitter — Voltage and Resistance Tables

**410-206 FM Generator — Tests**

Addendum	1	
410-206-501	3	J68336 — Klystron Replacement and Tuning and AFC Tests
Addendum	1	
410-206-502	2	J68336 — Rest Frequency
Addendum	1	
410-206-503	2	DO Klystron Sensitivity
Addendum	3	
410-206-504	2	DO Klystron Linearity
410-206-505	1	Output Level
410-206-506	1	Wavemeter Lubrication and Calibration
410-206-511	1	Voltage and Resistance Tables

**410-208 Limiter-Amplifier — Tests**

Addendum	1	
410-208-501	1	Limiter Action and Output Levels
410-208-511	1	Return Loss
410-208-512	1	Voltage and Resistance Tables

**410-210 AFC Unit — Tests**

410-210-501	1	Repeller Noise Check
410-210-502	1	AFC Pull-In Check
410-210-511	1	Return Loss
410-210-512	1	Pulse Modulator Balance Adjustment
410-210-513	1	Discriminator Network Adjustment
410-210-514	1	Discriminator Performance Check
410-210-515	1	Voltage and Resistance Tables

Number	Issue	Subject
<b>Receiver</b>		
<b>410-220 General</b>		
<b>Description</b>		
Addendum	1	
410-220-101	1	J68336G FM Receiver
<b>Operation</b>		
410-220-301	1	Placement In and Removal From Service
<b>Tests</b>		
410-220-501	2	Supply Voltages and Electron Tube Tests
410-220-502	3	J68336G FM Receiver — Capacitor Check
Addendum	1	
410-220-509	2	Linearity and Limiter Bias
Addendum	1	
410-220-510	1	Overall Transmission
410-220-511	1	Receiver Check When FM Transmitter not Available Locally

**410-222 Limiter-Detector — Tests**

410-222-511	1	Return Loss
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**410-224 Video Amplifier — Tests**

410-224-511	1	Gain and Baseband Response
410-224-512	1	Voltage Table

**410-4 Transmitter-Receiver Bay**

**410-400 General**

<b>Operation</b>		
Addendum	1	
410-400-303	2	TD-2 Operation With Portable Microwave Repeater

**Mechanical Procedures**

410-400-701	1	Bay Alignment
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**410-410 Transmitter-Receiver Bay**

410-410-100	5	General Description
410-410-500	7	Tests

Number	Issue	Subject
410-410-501	5	Microwave Generator
410-410-502	2	40-MHz Shifter
410-410-503	2	Transmitter Tests — IF Buffer Amplifier
410-410-504	3	Receiver Control Panel and Power and Metering Panel
410-410-505	4	Receiver Modulator — IF Preamplifier
410-410-506	8	Overall Receiver — Maintenance
410-410-507	6	Transmitter Modulator — Maintenance and Description
410-410-508	7	Overall Transmitter — Maintenance and Description
410-410-509	3	Transmitter Control Panel, Output Monitor, and Power and Metering Panel — Description and Troubleshooting
410-410-510	1	General — Tests — Leakage
410-410-511	1	Impulse Noise Troubleshooting
410-410-512	4	Fade Margin Tests
410-410-513	1	Cross Polarization Test
410-410-514	2	Receiver Space Diversity — Diversity Switch
❶ 410-410-516	1	Transmitter Receiver Bay-General — Tests — RF Leakage

**410-6 Automatic Protection Switching**

**410-600 Overall System**

Description		
410-600-100	3	Description
Operation		
410-600-300	2	Operation
410-600-301	2	Patching Procedures
Tests		
410-600-500	2	General
410-600-501	3	In-Service Operate Check
410-600-502	3	Out-of-Service Operate Checks
■ Addendum AC	1	
410-600-503	3	Transmitting Automatic Switch
410-600-504	5	Receiving Automatic Switch
410-600-505	1	Auxiliary Station
410-600-506	1	Channel Maintenance Switching
410-600-507	1	System Timing Tests

Number	Issue	Subject
410-600-508	3	Unit Timing Tests
410-600-509	1	Trouble Shooting Aids

**410-602 Switching Controls**

Description		
410-602-100	6	Description
Tests		
410-602-501	2	Frequency Check
410-602-502	1	Output Level Check
410-602-503	2	Lockout Delay Time Check
410-602-504	1	Manual Operation Check
410-602-505	1	Alarm Delay Operate Time
410-602-506	5	Relay Sensitivity Check
410-602-507	5	Recycling Test
Addendum	1	
410-602-508	3	Local IF Switch Operation
410-602-509	2	Electron Tube and Relay Tests
410-602-510	1	Power Supply Voltages
410-602-511	2	Overall VF Line Transmission

**410-604 Channel Initiator**

Description		
Addendum	1	
410-604-100	2	Description
Operation		
410-604-301	1	Placement In and Removal From Service
Tests		
410-604-500	1	General Test Information
410-604-501	2	Filament Activity
410-604-502	1	Input Return Loss
410-604-503	1	IF Transmission Test
410-604-504	2	Linearity Test
410-604-505	1	Coarse Linearity Adjustment
410-604-506	1	Monitoring Video Amplifier Adjustment
410-604-507	2	Local Oscillator Tuning Check
410-604-508	5	Adjustment of Reinserted Pilot
410-604-509	2	Modulator and Pilot IF Amplifier Tuning and Detector Tests
410-604-510	6	Pilot Switch Adjustment

Number	Issue	Subject
410-604-511	2	Slicer Circuit Tests
410-604-512	5	Noise Detector and Fade Switch Adjustment
410-604-513	1	Trouble Location Tests
410-604-514	1	Voltage Measurements

**410-606 Video Pilot Supply and Distribution Circuit**

Description		
410-606-100	2	Description
Operation		
410-606-301	1	Placement In and Removal From Service
Tests		
410-606-500	3	Tests

**410-608 IF Pilot Resupply and Transfer Panel**

Description		
Addendum	1	
410-608-100	2	Description
Operation		
410-608-300	2	Preparation for Service
Tests		
410-608-500	6	Tests

**FM Terminal Switching**

**410-610 FM Transmitter Switching**

Description		
410-610-100	6	Overall System
410-610-101	4	FM Receiver
410-610-102	5	Automatic and Manual Control Circuits
410-610-103	3	Indications, Alarms, and Alarm Circuits
410-610-104	2	Monitoring and Test Facilities
410-610-105	1	Power and Power Distribution
Operation		
410-610-300	5	Operation

Number	Issue	Subject
Tests		
410-610-500	5	Overall System Tests
410-610-501	4	FM Receiver
410-610-502	2	Controls, Indications, and Alarms
410-610-504	1	Metering Circuit Maintenance

**410-611 FM Receiver Switching**

Description		
410-611-100	6	Overall System
410-611-101	1	Pilot Detection Using J68769A Amplifier- Rectifier
410-611-102	5	Automatic and Manual Control Circuits
410-611-103	3	Indications, Alarms, and Alarm Circuits
410-611-104	2	Monitoring and Test Facilities
410-611-105	1	Power and Power Distribution
Operation		
410-611-300	4	Overall System
Tests		
410-611-500	4	Overall System
410-611-501	2	Controls, Indications, and Alarms
410-611-502	1	Pilot Detection Using J68769A Amplifier- Rectifier

**410-612 Common Equipment**

Description		
410-612-101	2	J68381BK IF Amplifier
410-612-102	2	Pilot Detection
410-612-103	1	Voltage Regulator
Tests		
Addendum	2	
410-612-501	3	FM Terminal Switching — J68381BK, J68381EG, and J68389AC IF Amplifiers
410-612-502	5	Baseband Amplifier-Rectifier
410-612-503	2	Metering Circuit
410-612-504	2	Voltage Regulator
410-612-505	1	Overall System



Number	Issue	Subject	Number	Issue	Subject
<b>410-7 Maintenance Center</b>			<b>410-9 Auxiliary Equipment</b>		
<b>FM Transmitter Tests</b>			<b>410-900/904 IF Auxiliary Equipment</b>		
<b>410-700 Limiter-Amplifier</b>			<b>J68338A/B IF Switching/Distribution Amplifiers</b>		
410-700-501	1	Electron Tube Tests	410-900-100	2	Description
410-700-502	1	Return Loss	410-900-330	2	Periodic Test Intervals
410-700-503	1	Gain and Frequency Response	410-900-500	3	Tests
<b>410-702 AFC Unit</b>			<b>J68338C IF Auxiliary Amplifier</b>		
Addendum	1		410-902-100	2	Description
410-702-501	1	Return Loss	410-902-300	3	Operation
<b>FM Receiver Tests</b>			410-902-330	2	Periodic Test Intervals
<b>410-710 Limiter-Detector</b>			410-902-500	3	Tests
410-710-501	1	Return Loss	<b>J68349F IF Bridging Amplifier</b>		
410-710-502	1	IF Amplifier Gain and Frequency Response	410-904-100	1	Description
410-710-503	2	IF Amplifier Interstage Alignment	410-904-301	1	Placement In and Removal From Service
410-710-504	2	J68336G — Frequency Response	410-904-330	1	Periodic Test Intervals
410-710-505	1	Discriminator Adjustment	Addendum	1	
<b>Transmitter-Receiver Bay Tests</b>			410-904-501	3	Tests
410-720-500	4	Receiver Converter and J68330 IF Preamplicator Tests	<b>410-910/914 Baseband Auxiliary Equipment</b>		
410-721-500	2	J68387P Receiver Modulator and IF Preamplicator Tests	<b>J68338D Video Monitor Amplifier</b>		
410-722-500	3	J68330 IF Preamplicator Tests	410-910-100	2	Description
410-724-500	4	J68330A IF Main Amplifier Tests	410-910-300	2	Operation
410-724-501	1	(J68330T) IF Main Amplifier Tests	410-910-500	2	Tests
410-726-500	3	IF Buffer Amplifier Tests	<b>Patching and Monitoring Equipment</b>		
410-727-500	2	J68330S IF Buffer Amplifier Tests	410-912-100	2	Description
410-728-500	3	Transmitter Modulator Tests	410-912-300	2	Operation
410-730-500	7	Transmitter Amplifier Tests	410-912-330	2	Periodic Test Intervals
410-731-500	1	88A Power Unit Tests	410-912-500	2	Tests
<b>410-8 Antenna Duplexing</b>			<b>Program and Terminal Maintenance Switching</b>		
410-802-302	1	Waveguide-Antenna System Restoration	410-914-100	1	Description
Addendum	1		410-914-300	1	Operation
410-802-303	1	Temporary Single Antenna Operation for Emergency Use	410-914-500	3	Tests

**Division 411**

**TD-3 Microwave Radio**

**411-0 Indexes and Equipment Test Lists**

**411-1 Overall System**

**411-4 J68386A and J68386B Transmitter-Receiver Bays**

-400 General

-402 Common Equipment Tests

-404 Receiver Tests

-406 Transmitter Tests

**411-5 J68386G and J68386H Transmitter-Receiver Bays**

-500 General

-502 Common Equipment Tests

-504 Receiver Tests

-506 Transmitter Tests

**411-6 Hot Standby/Space Diversity — Overall Switching**

**411-7 Maintenance Center**

-700/730 Transmitter-Receiver Bay Components

**411-8 Antenna Arrangements**

Number	Issue	Subject
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**411-0 Indexes and Equipment Test Lists**

411-000-000	17	Numerical Index — Division 411 — TD-3 Microwave Radio
411-001-011	10	ETL — TD-3 Radio

**411-1 Overall System**

**Tests**

411-100-100	3	Description
411-100-301	2	Initial Lineup of Channels
Addendum	1	
411-100-500	1	General Test Information
411-100-501	2	Envelope Delay Distortion
Addendum	1	
411-100-503	1	Channel Net Gain and Baseband Response

Number	Issue	Subject
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Addendum	1	
411-100-504	1	Thermal Noise and Spurious Tones
411-100-505	1	Noise Loading
411-100-506	1	Differential Phase and Gain
411-100-508	1	Received Carrier Power
411-100-509	1	Carrier Frequency Measurements

**411-4 J68386A AND J68386B Transmitter-Receiver Bays**

**411-400 General**

**Operation**

411-400-100	3	Description
411-400-301	2	Turnon and Turnoff Procedures
411-400-303	1	Operation With Portable Microwave Repeater

**Tests**

411-400-500	2	General
411-400-501	3	In-Service Checks
411-400-502	4	Level Diagrams

**411-402 Common Equipment Tests**

411-402-500	2	Preliminary Checks
411-402-501	2	J68387B Microwave Generator
411-402-502	1	Im-19 Volt Regulator
411-402-503	2	J68387D 40-MHz Oscillator-Shift Modulator
411-402-504	2	J68387R Microwave Generator and 4-GHz Multiplier
411-402-511	2	Impulse Noise Troubleshooting
411-402-512	3	Fade Margin Tests
411-402-513	1	Cross-Polarization Discrimination Test

**411-404 Receiver Tests**

411-404-501	4	Transmission
411-404-502	2	IF Return Loss Measurement
411-404-503	1	J68387P Receiver Modulator — IF Preamplicifier
411-404-504	1	J68387C Receiver Modulator — IF Preamplicifier
411-404-505	1	Noise Figure

Number	Issue	Subject	Number	Issue	Subject
<b>411-406 Transmitter Tests</b>			411-504-505	2	Noise Figure
Addendum	1		411-504-506	1	Testing and Replacing the 295A IF Switch
411-406-501	5	Transmitter Transmission Test	<b>411-506 Transmitter Tests</b>		
411-406-502	1	IF Return Loss Measurements	Addendum	1	
411-406-503	2	J68387E IF Driver Amplifier — Transmitter Modulator	411-506-501	8	Transmission
411-406-504	4	J86835A Traveling Wave Tube Power Supply Tests and TWT Amplifier Replacement Procedure	411-506-502	2	IF Return Loss Measurements
<b>411-5 J68386G and J68386H Transmitter-Receiver Bays</b>			411-506-503	2	J68387U IF Driver Amplifier — Transmitter Modulator
<b>411-500 General</b>			Addendum	1	
<b>Operation</b>			411-506-504	1	J86890A Traveling Wave Tube Power Supply Tests and TWT Amplifier Replacement
411-500-100	4	Description	411-506-505	2	29A and 30A Integrated Circuit — Replacement
411-500-301	3	Turnon and Turnoff Procedures	411-506-506	1	Testing and Replacing RF Switch and 337A Relay
411-500-303	1	TD-3A Operation With Portable Microwave Repeater	<b>411-6 Hot Standby/Space Diversity — Overall Switching</b>		
<b>Tests</b>			411-600-500	1	General
411-500-500	3	General Test Information	411-600-501	1	Tests
411-500-501	4	In-Service Checks	411-600-502	1	Testing and Replacement of the J68434B Pilot Detector
411-500-502	5	Level Diagrams	<b>411-7 Maintenance Center</b>		
<b>411-502 Common Equipment Tests</b>			<b>411-700/730 Transmitter-Receiver Bay Components</b>		
411-502-500	5	Preliminary Checks	411-700-500	1	General
411-502-502	2	J87279A 1m-19 Volt Regulator	411-702-500	1	J68387P Receiver Modulator — IF Preamplicifier
411-502-503	2	J68387W 40-MHz Oscillator and Shift Modulator	411-704-500	1	J68387C Receiver Modulator — IF Preamplicifier
411-502-504	7	J68387R-( ) Microwave Generator	411-706-500	1	J68387F IF Main Amplifier
Addendum	1		411-708-500	1	J68387S IF Main Amplifier
411-502-505	1	70A Detector, 27A or 28A Integrated Circuit — Replacement	411-710-500	1	J68387G AGC Amplifier
411-502-511	1	Impulse Noise Troubleshooting	411-712-500	2	J68387H IF Limiter
411-502-512	3	Fade Margin Tests	411-713-500	1	J68387T IF Limiter — Carrier Resupply
411-502-513	1	Cross-Polarization Discrimination Test	Addendum	1	
<b>411-504 Receiver Tests</b>			411-714-500	1	IF Carrier Resupply
411-504-501	4	Transmission	411-716-500	1	J68387E IF Driver Amplifier — Transmitter Modulator
411-504-502	2	IF Return Loss Measurement	411-717-500	2	J68387U IF Driver Amplifier — Transmitter Modulator
411-504-503	2	J68387P Receiver Modulator and IF Preamplicifier			

Number	Issue	Subject
411-718-500	1	J68387D 40-MHz Oscillator-Shift Modulator
411-719-500	2	J68387W 40-MHz Oscillator — Shift Modulator
411-720-500	1	J86835A Traveling Wave Tube Power Supply
411-721-500	1	J86890A Traveling Wave Tube Power Supply
411-722-500	1	J68387B Microwave Generator
411-724-500	1	J68387R, List 1, 2, and 4 through 20 Microwave Generator
411-726-500	1	J87279A 1m-19 Volt 4.0-Ampere Semiconductor Regulator
411-728-500	1	Transmitter-Receiver Control Units
411-729-500	1	J68387Y-1 and J68387Y-2 Meter Circuits
411-730-500	1	Common Alarm
411-731-500	1	J68387AA Alarm Circuit

#### 411-8 Antenna Arrangements

411-802-302	2	General — Waveguide-Antenna System Restoration
411-802-303	1	Temporary Single Antenna Operation for Emergency Use

**Division 412****TH-1 Microwave Radio****412-0 Indexes and Equipment Test Lists****412-1 Overall System****412-2 FM Terminals****-200 Description****-210 Common Equipment Tests****-220 FM Transmitter Tests****-230 FM Receiver Tests****-240 3B FM Transmitter****-245 3B FM Receiver****412-3 Microwave Carrier Supply****412-4 Broadband Radio Channel****-400 Description****-410 Common Equipment Tests****-420 Transmitter Tests****-430 Receiver Tests****-440 Mop-Up Equalization Bay****-450 Digital Service Tests****-460 Demand Maintenance****412-5 Auxiliary Channel****-500 Description****-510 Transmitter-Receiver Tests****-520 Terminal Bay Tests****412-6 Automatic Protection Switching****-600 Overall System****-610 IF Switching Tests****-620 Baseband Switching Tests****-630 Signaling Circuit Tests****-640 Common Control Circuit Tests****412-7 Maintenance Center****-710 FM Transmitter Tests****-720 FM Receiver Tests****-730 Broadband Channel Transmitter Tests****-740 Broadband Channel Receiver Tests****-750 Microwave Carrier Supply****-760 Auxiliary Channel Tests****-770 Common Equipment Tests****412-8 Antenna Duplexing**

Number	Issue	Subject
<b>412-0 Indexes and Equipment Test Lists</b>		
412-000-000	35	Numerical Index — Division 412 — TH-1 Microwave Radio
412-001-011	10	ETL Supplement
<b>412-1 Overall System</b>		
<b>Description</b>		
412-100-100	1	General
<b>Operation</b>		
412-100-301	1	Initial Lineup of Channels
<b>Tests</b>		
412-100-501	4	Main and Terminal Station Levels
412-100-502	3	Envelope Delay Distortion and Baseband Amplitude Equalization
<b>Addendum</b>		
412-100-503	4	Fluctuation Noise and Spurious Tones
412-100-504	1	DADE Equalization — Out of Service
412-100-505	1	DADE Equalization — In-Service DADE
412-100-506	1	Broadband and Auxiliary Channel — Received Signal Level Measurements
412-100-507	1	Noise Loading
412-100-508	2	RF Leakage
412-100-509	1	Carrier Frequency Measurements
412-100-515	4	Microwave Carrier Supply and Auxiliary Channel Equipment — In-Service Tests
412-100-550	1	Auxiliary Channel Levels
412-100-800	5	Common Equipment — Mechanical Maintenance Procedures

Number	Issue	Subject	Number	Issue	Subject
<b>412-2 FM Terminals</b>			412-240-502	3	3B FM Transmitter — IF and Oscillator Rest Frequencies
<b>412-200 Description</b>			412-240-503	2	Square-Wave Response
412-200-100	1	Transmitter and Receiver	412-240-504	2	IF Output and Frequency Response
<b>412-210 Common Equipment Tests</b>			412-240-505	2	Linearity
Addendum	1		412-240-506	2	Deviation Sensitivity
412-210-501	2	IF Amplifier	412-240-507	2	Frequency Response and Monitor Gain Adjustments
412-210-502	2	Video Amplifier Monitor	412-240-508	2	Alarm Circuit Adjustments
412-210-503	2	IF Amplifier-Limiter	412-240-509	1	Fluctuation Noise and Spurious Tone Measurements
<b>412-220 FM Transmitter Tests</b>			412-240-510	1	Oven Temperature Control Circuit
412-220-501	1	Placement In and Removal From Service	412-240-511	2	Control Unit — Performance Checks
Addendum	1		412-240-512	1	Im-20 Volt Regulator — Performance Checks
412-220-502	1	Video Amplifier	<b>412-245 3B FM Receiver</b>		
412-220-503	2	FM Generator	412-245-100	1	Description
412-220-504	1	AFC Circuit	412-245-301	1	Placement In and Removal From Service
Addendum	1		412-245-330	1	Periodic Test Intervals
412-220-505	1	Limiter-Discriminator	<b>Tests Using 37H FM Terminal Test Set With 37J Test Panel</b>		
412-220-506	1	Reference Oscillator	412-245-500	2	General
412-220-507	1	Frequency Comparator	412-245-501	1	In-Service Checks
Addendum	1		412-245-502	2	Square-Wave Response
412-220-508	3	Overall Tests and Adjustments	412-245-503	3	Gain, Frequency Response, Limiting Action, and Alarm Circuit Adjustments
<b>412-230 FM Receiver Tests</b>			412-245-504	2	Linearity
412-230-330	2	Periodic Test Intervals	412-245-505	2	Fluctuation Noise and Spurious Tone Measurements
412-230-501	1	Placement In and Removal From Service	<b>412-3 Microwave Carrier Supply</b>		
412-230-502	2	Discriminator Video Amplifier	<b>Description</b>		
Addendum	1		Addendum	2	
412-230-503	2	Overall Checks	412-300-100	2	General
<b>412-240 3B FM Transmitter</b>			<b>Tests</b>		
412-240-100	1	Description	412-300-330	3	Periodic Test Intervals
412-240-301	1	Placement In and Removal From Service	412-300-500	3	General
412-240-330	1	Periodic Test Intervals	<b>Tests Using 37H FM Terminal Test Set With 37J Test Panel</b>		
<b>Tests Using 37H FM Terminal Test Set With 37J Test Panel</b>			412-240-500	2	General
412-240-500	2	General	412-240-501	2	In-Service Checks

Number	Issue	Subject	Number	Issue	Subject
412-300-501	2	Low-Voltage Power Supplies	412-430-503	6	Gain, Transmission, Noise Figure, Channel Monitor and 59.3-MHz Tone Measurement
412-300-502	3	14.8-MHz Supply	412-430-504	5	Receiver Modulator and IF Preamplifier
412-300-503	5	Low-Frequency Generator	412-430-505	3	IF Main Amplifier and AGC Circuits
412-300-504	5	High-Frequency Generator	412-430-506	2	Automatic Gain Control Circuit
412-300-505	4	Low-Frequency Switching Unit	412-430-507	1	Band-Elimination Filter
412-300-506	1	High-Frequency Switching Unit	412-430-508	1	IF Carrier Resupply of the Following Transmitter
412-300-507	3	J68403F Switching Control Circuit	412-430-509	1	Receiver Space Diversity — Diversity Switch
412-300-508	2	DC Amplifier			
<b>412-4 Broadband Radio Channel</b>					
<b>412-400 Description</b>					
412-400-101	1	Common Equipment	<b>412-440 Mop-Up Equalization Bay</b>		
Addendum	2		412-440-501	3	Tests
412-400-102	2	Transmitter	<b>412-450 Digital Service Tests</b>		
412-400-103	4	Receiver	412-450-501	1	Impulse Noise Troubleshooting
412-400-104	2	TH-1 Mop-Up Equalization Bay	412-450-502	3	Common Equipment Tests — Fade Margin Tests
<b>412-410 Common Equipment Tests</b>					
412-410-330	1	Periodic Test Intervals	412-450-503	1	Cochannel Tones and Cross Polarization Discrimination
412-410-502	4	29.7-MHz and 59.3-MHz Carrier Supply Modulators	<b>412-460 Demand Maintenance</b>		
412-410-503	2	444A Traveling Wave Tube Loss Measurements	412-460-103	3	Transmitter Tests — Demand Maintenance
<b>412-420 Transmitter Tests</b>					
412-420-330	1	Periodic Test Intervals	412-460-104	2	Receiver Tests
412-420-500	1	General	<b>412-5 Auxiliary Channel</b>		
412-420-501	11	Routine Tests	<b>412-500 Description</b>		
412-420-502	4	Turn-Off and Turn-On Procedures	412-500-100	1	General
412-420-503	6	IF Amplifier-Limiter	Addendum	1	
Addendum	2		412-500-101	2	Transmitter-Receiver
412-420-504	7	IF Carrier Resupply	412-500-102	1	Terminal
412-420-505	6	Traveling-Wave Tube Amplifiers	<b>412-510 Transmitter-Receiver Tests</b>		
412-420-506	3	Transmitter Modulator	412-510-500	1	General
412-420-507	5	Transmission and Output Power	412-510-501	3	Placement In and Removal From Service
<b>412-430 Receiver Tests</b>					
412-430-330	1	Periodic Test Intervals	412-510-502	4	Preliminary Checks
412-430-501	5	Turnon and Turnoff Procedures	412-510-503	2	Station Line-Up
412-430-502	6	Preliminary Checks	412-510-504	2	Alarms

Number	Issue	Subject
412-510-505	2	Receiver Modulator — IF Preamplifier
412-510-506	1	IF Amplifier-Detector and Baseband Amplifier, and Automatic Gain Control
412-510-507	2	Transmitter Modulator
412-510-508	1	Frequency-Shift Oscillator
412-510-509	1	Frequency-Shift Modulator
412-510-510	1	Traveling-Wave-Tube Amplifier
412-510-511	1	RF Power and Modulation Monitor Circuit — Placement in Service

**412-520 Terminal Bay Tests**

412-520-500	1	General
412-520-501	1	Placement In and Removal From Service
412-520-502	2	Preliminary Checks
412-520-503	4	ON-1 Carrier Terminal
412-520-504	2	J68402M Tone Reporter

**412-6 Automatic Protection Switching**

**412-600 Overall System**

**Description**

412-600-100	1	Overall System
412-600-101	1	IF Switching
412-600-103	1	Signaling — Tone and DC Reporting
412-600-106	2	Controls, Indications, and Alarms
412-600-107	1	Automatic Exerciser

**Operation**

412-600-300	1	Manual Operation
412-600-310	1	Automatic Exerciser

**System Tests**

412-600-502	2	Tone Line Levels
412-600-503	1	Switching Operation
412-600-504	3	Operational Failure
412-600-505	1	Timing
412-600-506	1	Status Tones

Number	Issue	Subject
<b>412-610 IF Switching Tests</b>		
412-610-501	2	8A Gate
412-610-502	2	IF Switch Control Circuit
Addendum	1	
412-610-503	2	IF Carrier Supply
412-610-504	2	IF Amplifier
Addendum	1	
412-610-505	2	IF Level Detector

**412-620 Baseband Switching Tests**

412-620-501	1	9A Gate
412-620-502	1	Channel Switch Control Unit
412-620-503	1	Baseband Amplifier
412-620-504	1	Receiving Baseband Switch Unit

**412-630 Signaling Circuit Tests**

412-630-501	2	Tone Oscillator
412-630-502	4	Tone Detector
412-630-503	3	Noise Detector

**412-640 Common Control Circuit Tests**

Addendum	2	
412-640-501	2	Transmitting and Receiving Logic Unit Tests
412-640-502	4	Transmitting and Receiving Logic Test Charts
412-640-503	3	DC Translator
412-640-504	1	Manual Switch Control
Addendum	1	
412-640-505	1	Override Switch Control
412-640-506	1	Protection Channel Access Switch Control
412-640-507	1	Automatic Exerciser

**412-7 Maintenance Center**

**412-710 FM Transmitter Tests**

412-710-501	1	AFC Circuit
412-710-502	1	Limiter-Discriminator
412-710-503	1	Reference Oscillator
412-710-504	1	Frequency Comparator
412-710-505	1	Video Amplifier



Number	Issue	Subject	Number	Issue	Subject
<b>412-720 FM Receiver Tests</b>			<b>412-760 Auxiliary Channel Tests</b>		
412-720-501	1	Discriminator-Video Amplifier	412-760-500	1	General
<b>412-730 Broadband Channel Transmitter Tests</b>			412-760-501	1	59.3 Mc Carrier Supply Modulator
412-730-501	3	IF Amplifier-Limiter	412-760-502	1	Automatic Gain Control
412-730-502	7	IF Carrier Resupply	412-760-503	2	Receiver Modulator and IF Preamplifier
412-730-503	2	Transmitter Modulator	412-760-504	1	Frequency Shift Oscillator
<b>412-740 Broadband Channel Receiver Tests</b>			412-760-505	1	IF Amplifier-Detector and Baseband Amplifier
412-740-501	2	IF Main Amplifier	Addendum	1	
412-740-502	3	Receiver Modulator and IF Preamplifier	412-760-506	1	Transmitter Modulator
412-740-503	2	Automatic Gain Control	412-760-507	1	Frequency Shift Modulator
<b>412-750 Microwave Carrier Supply Tests</b>			<b>412-770 Common Equipment Tests</b>		
412-750-501	1	14.8 Mc Oscillator	412-770-501	2	29.7-Mc and 59.3-Mc Carrier Supply Modulators
412-750-502	1	Frequency Comparator	412-770-502	1	IF Amplifier
412-750-503	1	Low Frequency Generator	412-770-503	1	J68406P IF Amplifier-Limiter
412-750-504	2	252 Mc Carrier Supply Modulator	412-770-504	1	Video Amplifier Monitor
<b>412-8 Antenna Duplexing</b>					
			412-802-302	1	Temporary Single-Antenna Operation

**Division 413**

**TH-3 Microwave Radio**

**413-0 Index and Equipment Test List**

**413-1 Overall System**

**413-4 Transmitter-Receiver Bay**

**413-6 Hot Standby/Space Diversity**

**413-7 Maintenance Center**

**413-8 Antenna Duplexing**

Number	Issue	Subject
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**413-0 Index and Equipment Test List**

413-000-000	73	Numerical Index — Division 413 — TH-3 Microwave Radio
413-001-011	8	ETL — TH-3 Radio

**413-1 Overall System**

**Tests**

413-100-100	3	Description
413-100-301	2	Initial Lineup of Channels
413-100-500	5	General Test Information
413-100-501	2	Envelope Delay Distortion
413-100-503	3	Channel Net Gain and Baseband Response
413-100-504	4	Thermal Noise and Spurious Tones
413-100-505	2	Noise Loading
413-100-506	2	Differential Phase and Gain
413-100-507	2	Differential Absolute Delay Equalization — Out-of-Service Procedure
413-100-508	4	Received Carrier Power
413-100-509	1	Carrier Frequency Measurements

Number	Issue	Subject
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**413-4 Transmitter-Receiver Bay**

**Description**

413-400-100	3	General Description
413-400-301	5	Turnoff and Turnon Procedures

**Tests**

413-400-500	5	General
413-400-501	4	Level Diagrams
413-400-502	5	IF Return Loss
413-400-510	1	RF Leakage
413-400-511	1	Impulse Noise Troubleshooting
413-400-512	2	Fade Margin
413-400-513	1	Cross-Polarization Test
413-400-520	3	Bay Troubleshooting and Fast Return to Service

**Common Equipment Tests**

413-402-501	8	In-Service Checks
413-402-502	5	Carrier Level
413-402-503	5	Alarms
413-402-520	9	Microwave Generator and 6-GHz Multiplier
Addendum	1	
413-402-521	2	Microwave Distribution Networks
Addendum	1	
413-402-522	4	Shift Oscillator and Shift Modulator
413-402-523	1	6-GHz RF Shifter Application

**Receiver Tests**

Addendum	1	
413-404-500	7	Overall Transmission
413-404-501	2	J68387S IF Main Amplifier
Addendum	1	
413-404-502	1	Receiver Modulator — IF Preamplifier
413-404-504	4	AM Noise Figure
413-404-505	1	Testing and Replacing the 295A IF Switch

Number	Issue	Subject
<b>Transmitter Tests</b>		
413-406-500	5	Overall Power Level
413-406-501	7	IF Limiter-Amplifier and Transmitter Modulator
413-406-502	2	RF Squelch Initiator
413-406-503	1	Testing and Replacing RF Switch and 337A Relay
413-406-520	8	464A and KS-21196 Traveling Wave Tube Amplifiers — Transmitter-Receiver Bay — Replacement and Turnon Procedure
413-406-521	5	J86886A, J87356A, and KS-21196 Traveling-Wave Tube Power Supplies

**413-6 Hot Standby/Space Diversity**

413-600-500	2	Overall Switching — General
413-600-501	2	Overall Switching — Tests
413-600-502	2	Testing and Replacement of the J68434B Pilot Detector

**413-7 Maintenance Center**

413-700-500	1	Transmitter-Receiver Bay Components — General
413-700-502	1	Transmitter-Receiver Bay Components — J68387S IF Main Amplifier
413-700-506	1	Transmitter-Receiver Bay Components — J87279A 1m-19 Volt, 4.0-Ampere Semiconductor Regulator
413-700-509	1	Transmitter-Receiver Bay Components — J86913F Alarm Circuit
413-700-510	1	Transmitter-Receiver Bay Components — J68913E Meter Panel

**413-8 Antenna Duplexing**

413-802-302	1	Temporary Single Antenna Operation
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**Division 415**

**TD-3D Microwave Radio**

**415-0 Index**

**415-1 Overall System**

**415-2 Transmitter-Receiver Bays**

**415-3 Transmitter-Receiver Bays**

**415-4 Transmitter-Receiver Bays**

**415-5 Transmitter-Receiver Bays**

**415-6 Hot Standby/Space Diversity**

**415-8 Antenna Arrangement**

Number	Issue	Subject
<b>415-0 Index</b>		
415-000-000	52	Numerical Index Division 415 — TD-3D Microwave Radio
415-001-011	7	ETL — TD-3D Radio

**415-1 Overall System**

**Tests**

415-100-508	1	Received Carrier Power
415-100-509	1	Carrier Frequency Measurements

**415-2 Transmitter-Receiver Bays**

415-200-100	5	J68386J, K, L, M, N, and P — Description — General
415-200-300	2	Turnon and Turnoff Procedures
415-200-303	1	Operation With Portable Microwave Repeater
415-200-500	1	Tests — General
415-200-501	4	Level Diagrams

**415-3 Transmitter-Receiver Bays**

415-301-500	7	Overall Receiver Tests Using J68345A Test Set
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Number	Issue	Subject
415-301-501	6	Overall Transmitter Tests Using J68345A Test Set
415-301-502	8	Overall Repeater Tests Using J68345A Test Set

**Common Equipment Tests**

415-310-500	4	J68387R-2 Microwave Generator
415-310-501	1	J68387W 40-MHz Oscillator and Shift Modulator
415-310-502	2	Receiver Tests — Receiver Modulator — IF Preamplicifier

**Transmitter Tests**

415-310-504	2	J68387U IF Driver Amplifier— Transmitter Modulator — Transmitter-Receiver Bays
415-310-505	1	Transmitter Amplifier
415-310-506	1	27B or 28B Integrated Circuit Replacement
415-310-507	2	Hot Standby or Hot Standby/Space Diversity — RF Switch Test and Replacement
415-310-508	1	Receiver Space Diversity — Diversity Switch
415-310-511	1	Transmitter-Receiver Bays — Common Equipment Tests — Impulse Noise Troubleshooting
415-310-512	2	Fade Margin Tests Using J68345A Test Set
415-310-513	1	Transmitter-Receiver Bays — Common Equipment Tests — Cross-Polarization Discrimination Test
415-310-520	2	IF Return Loss Measurements
415-310-521	1	J68386J, K, L, M, N, and P — Receiver Noise Figure Test Using the J68345A Test Set

**415-4 Transmitter-Receiver Bays**

415-401-500	6	Overall Receiver Tests Using J68392A Test Set
415-401-501	5	Overall Transmitter Tests Using J68392A Test Set

**Common Equipment Tests**

415-410-500	4	J68387R-2 Microwave Generator
415-410-501	1	J68387W 40-MHz Oscillator and Shift Modulator

Number	Issue	Subject	Number	Issue	Subject
415-410-502	2	Receiver Tests Using J68392A Test Set — Receiver Modulator — IF Preamplifier	415-510-504	2	J68387U IF Driver Amplifier— Transmitter Modulator — Transmitter-Receiver Bays
415-410-504	2	J68387U IF Driver Amplifier— Transmitter Modulator — Transmitter-Receiver Bays	415-510-505	1	Transmitter Amplifier
415-410-505	1	Transmitter Amplifier	415-510-506	1	J68386J, K, L, M, N, and P — Tests Using the J68428A Test Set — 27B or 28B Integrated Circuit Replacement
415-410-506	1	J68386J, K, L, M, N, and P — Tests Using the J68392A Test Set — 27B or 28B Integrated Circuit Replacement	415-510-507	2	Hot Standby or Hot Standby/Space Diversity — RF Switch Test and Replacement
415-410-507	2	Hot Standby or Hot Standby/Space Diversity — RF Switch Test and Replacement	415-510-508	1	Receiver Space Diversity — Diversity Switch
415-410-508	1	Receiver Space Diversity — Diversity Switch	415-510-511	1	Transmitter-Receiver Bays — Common Equipment Tests — Impulse Noise Troubleshooting
415-410-511	1	Impulse Noise Troubleshooting	415-510-512	2	Fade Margin Tests Using J68428A Test Set
415-410-512	3	Fade Margin Tests Using J68492A Test Set	415-510-513	1	Transmitter-Receiver Bays — Common Equipment Tests — Cross-Polarization Discrimination Test
415-410-513	1	Common Equipment Test Cross — Polarization Discrimination Test	415-510-520	2	J68386J, K, L, M, N, and P Transmitter- Receiver Bays — Transmitter and Receiver Tests Using the J68428A Test Set — IF Return-Loss Measurement
415-410-520	1	J68386J, K, L, M, N and P — Transmitter and Receiver Tests Using the J68392A Test Set IF Return-Loss Measurement	415-510-521	1	J68386J, K, L, M, N, and P — Receiver Noise Figure Test Using the J68392A Test Set
415-410-521	1	J68386J, K, L, M, N, and P — Receiver Noise Figure Test Using the J68392A Test Set			

**415-5 Transmitter-Receiver Bays****Overall Transmitter Tests**

415-501-500	7	J68386J, K, L, M, N, and P — Overall Receiver Tests Using the J68428A Test Set
415-501-501	6	J68386J, K, L, M, N, and P — Overall Transmitter Tests Using the J68428A Test Set

**Common Equipment Tests**

415-510-500	4	J68386J, K, L, M, N, and P — Using the J68428A Test Set — J68387R-2 Microwave Generator
415-510-501	1	J68387W 40-MHz Oscillator and Shift Modulator
415-510-502	2	J68386J, K, L, M, N, and P — Using the J68428A Test Set — Receiver Modulator — IF Preamplifier

**415-6 Hot Standby/Space Diversity****Overall Switching**

415-600-500	1	General
415-600-501	2	Tests
415-600-502	1	Testing and Replacement of the J68434B Pilot Detector

**415-8 Antenna Arrangement**

415-802-302	1	Waveguide-Antenna System Restoration — General
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**Division 416**

**TN-1 Microwave Radio**

**416-0 Index and Equipment Test List**

**416-1 End-to-End Baseband Protection Switching**

**416-2 End-to-End IF Protection Switching**

**416-3 Hot Standby/Space Diversity Systems**

**416-5 Transmitter-Receiver Panel**

Number	Issue	Subject
<b>416-0 Index and Equipment Test List</b>		
416-000-000	33	Numerical Index — Division 416 — TN-1 Microwave Radio
416-001-011	3	ETL — TN-1 Radio

**416-099 Customer Information Releases (CIRs)**

□ 416-099-001MG	1	24-Hour Emergency Replacement Service for 581 Integrated Circuits - TN-1 Radio Systems, Transmission Systems
416-099-002IR	1	Discontinued Availability of TN-1 and TN-1A Microwave Radio Systems, Transmission Systems

**416-1 End-to-End Baseband Protection Switching**

416-100-100	2	Description
416-100-301	1	System Operation — Initial Line-up of Channels
416-100-500	2	General Test Information
416-100-501	1	System Tests — Envelope Delay Distortion
416-100-502	1	System Tests — Channel Net Gain and Baseband Response
416-100-503	2	System Tests — Thermal Noise and Spurious Tones
416-100-504	1	Test Information — Noise Loading
416-100-505	1	System Tests — Differential Phase and Gain
416-100-506	2	System Tests — Receiver Input Power

**Number Issue Subject**

**416-2 End-to-End IF Protection Switching**

416-200-100	1	Description
416-200-301	1	System Operation — Initial Line-up of Channels
416-200-500	4	General System Tests
Addendum	1	
416-200-501	1	System Tests — Envelope Delay Distortion
416-200-502	1	System Tests — Channel Net Gain and Baseband Response
416-200-503	1	System Tests — Thermal Noise and Spurious Tones
416-200-504	2	Test Information — Noise Loading
416-200-505	1	System Tests — Differential Phase and Gain
416-200-506	1	System Tests — Receiver Input Power

**416-3 Hot Standby/Space Diversity Systems**

416-300-100	2	System Description
416-300-301	1	System Operation — Initial Line-up of Channels
416-300-302	1	Operation — J68434A Switch Control Unit
416-300-500	2	General Test Information
416-300-506	1	Receiver Input Power

**416-5 Transmitter-Receiver Panel**

Addendum	1	
416-500-100	1	Description
416-500-301	1	Operation — Turnon and Turnoff Procedures
416-500-500	1	Tests — General
416-500-501	1	Tests — Level Diagrams
416-500-502	3	Tests — In-Service Checks
416-500-504	2	Alarm and Meter Panel Test
416-500-505	1	Tests — IF Return Loss
416-510-500	3	Receiver Tests — Overall Transmission
416-510-501	1	Receiver Tests — Receiver Modulator — IF Preamplicifier
Addendum	1	
416-510-502	1	Receiver Tests — IF Main Amplifier

Number	Issue	Subject
416-510-503	4	Receiver Tests — Local Oscillator
416-510-504	2	Receiver Tests — AM Noise Figure
416-510-505	1	Receiver Test — Testing and Replacing 295A IF Switch and 295D Baseband Switch
416-520-500	4	Transmitter Tests — Overall Power Level
416-520-501	1	Transmitter Tests — IF Limiter-Driver Amplifier/Transmitter Modulator
416-520-502	2	Transmitter Tests — Transmitter Amplifier System
416-520-503	4	Transmitter Tests — Local Oscillator
416-520-504	1	Transmitter Tests — Testing and Replacing RF Switch and 337A Relay
416-520-505	2	TN-1A Transmitter — Transmitter Adjustments

**Division 417**

**3A-Radio Digital Systems**

**417-0 Index**

**417-1 3A-RDS**

Number	Issue	Subject
<b>417-0 Index</b>		
417-000-000	19	Numerical Index — Division 417 — 3A-Radio Digital Systems
<b>417-1 3A-RDS</b>		
417-001-011	3	ETL — Microwave Radio
417-100-100	1	System Description
417-100-301	2	System — Initial Lineup
417-100-500	1	System — General Maintenance
417-100-501	3	System — Tests
417-101-100	1	Radio Line Terminating Frame — Description
417-101-301	2	Radio Line Terminating Frame — Initial Lineup or Channel Addition
417-101-500	2	Radio Line Terminating Frame — General Maintenance
417-101-501	2	Radio Line Terminating Frame — Tests
417-102-100	1	1X1 Radio Line Terminating Arrangement — Description
417-102-301	2	Radio Line Terminating Arrangement — Initial Lineup
417-102-500	2	Radio Line Terminating Arrangement — General Maintenance
417-102-501	2	Radio Line Terminating Arrangement — Tests
417-103-100	1	Radio Digital Terminal — Description

Number	Issue	Subject
417-103-101	1	Performance Monitor — Description
417-103-102	1	Auxiliary Channel Equipment — Service Channel Patch and Access Panel (SCRAP) — Description
417-103-301	2	3A Radio Digital Terminal — Initial Lineup
417-103-500	2	3A Radio Digital Terminal — General Maintenance
417-103-501	2	3A Radio Digital Terminal — Tests
417-104-100	1	3A Radio Digital Terminal Regenerator — Description
417-104-301	2	3A Radio Digital Terminal (3A-RDT) Regenerator — Initial Lineup
417-104-500	2	3A Radio Digital Terminal (3A-RDT) Regenerator — General Maintenance
417-104-501	2	3A Radio Digital Terminal (3A-RDT) Regenerator — Tests
Addendum	1	
417-105-100	1	Portable Test Terminal — Description, Operation, and Tests
417-106-100	1	Auxiliary Channel Equipment — Descriptions
417-106-301	2	Auxiliary Channel Equipment — Terminal and Multiplex Equipment — Initial Lineup
417-106-500	2	Auxiliary Channel Equipment — Terminal and Multiplex Equipment — General Maintenance
417-106-501	2	Auxiliary Channel Equipment — Terminal and Multiplex Equipment — Tests



**Division 419**

**AR 6A Single-Sideband Microwave Radio System**

**419-0 Index and Equipment Test List**

**419-1 Overall System**

**419-2 Protection Switching Systems (500A, 501A)**

**419-3 Transmitter-Receiver Bay and Support Bay**

Number	Issue	Subject
<b>419-0 Index and Equipment Test List</b>		
419-000-000	13	Numerical Index — Division 419 — AR 6A Single-Sideband Microwave Radio System
419-001-011	1	Equipment Test List

**010-099 Customer Information Release (CIR)**

□ 419-099-001 IR	1	Discontinued Availability of AR6A Single Sideband Radio and Associated Equipment, Transmission Systems
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Number	Issue	Subject
<b>419-1 Overall System</b>		
419-100-100	1	Description
▲419-100-500	1	Maintenance Procedures
<b>419-2 Protection Switching Systems (500A, 501A)</b>		
419-200-100	1	500A — Description
419-200-101	1	501A — Description
▲419-200-500	2	Maintenance Procedures
<b>419-3 Transmitter-Receiver Bay and Support Bay</b>		
419-300-100	1	Description
Addendum	1	
▲419-300-500	3	Maintenance Procedures

**Division 420**

**Microwave Radio — Common Equipment**

**420-0 Index and Equipment Test Lists**

- 000 Index
- 001 Equipment Test Lists

**420-2 FM Terminals**

- 210 3A FM Transmitter
- 211 3A FM Receiver
- 213 4-Type FM Terminals
- 214 4-Type FM Transmitters
- 215 4-Type FM Receiver
- 216 5A FM Terminal BB Modem
- 217 5A FM Terminal IF Deviation Shifter

**420-3 Auxiliary Systems**

- 300 J68422 Frequency Dplexed Auxiliary Channel
- 301 Auxiliary Channel Switching System
- 302 J68422C Auxiliary Channel Modulating/Demodulating Panel
- 304 16A Modulator
- 305 IF Entrance Link
- 306 J68415A Heterodyne Auxiliary Channel
- 307 Radio Protection Monitor

**420-5 Portable Microwave Repeater**

**420-6 Switching**

- 600 Data Tests
- 610 100A Protection Switching System
- 611 IF Equipment Tests
- 612 Initiator Tests
- 613 Receiving Logic Plug-in Units
- 614 Transmitting Logic Plug-in Units
- 615 Auxiliary Station Logic Plug-in Units
- 616 Voice-Frequency Circuit Plug-in Units
- 617 J68381E Exerciser Logic Plug-in Units
- 618 Miscellaneous Equipment
- 620 400A Protection Switching System
- 630 200A Protection Switching System
- 635 J68457A 1X1 Protection Switching System
- 650 300A Protection Switching System

- 660 400B Protection Switching System
- 670 401B Protection Switching System
- 680 400D Protection Switching System
- 684 400H Protection Switching System
- 685 401H Protection Switching System

**420-7 Maintenance Center**

- 701 3-Type FM Terminal — J68381DL Amplifier-Limiter
- 702 3-Type FM Terminal — J68383C or J68383P Deviator
- 703 3-Type FM Terminal — J68383D Control Unit
- 704 3-Type FM Terminal — J68383E IF Main Amplifier
- 705 3-Type FM Terminal — J68383F Baseband Amplifier
- 706 3-Type FM Terminal — J68383G Monitor Unit
- 707 3A FM Terminal — J68383H Limiter-Amplifier
- 708 3-Type FM Terminal — J68383L Limiter-Amplifier
- 709 3-Type FM Terminal — J68383J and J68383U Discriminator Baseband
- 710 3B FM Terminal — J68383S Control Unit
- 712 3-Type FM Terminal

**420-8 Ancillary Equipment**

Number	Issue	Subject
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**420-0 Index and Equipment Test Lists**

**420-000 Index**

420-000-000	23	Numerical Index — Division 420 — Microwave Radio — Common Equipment
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**420-001 Equipment Test Lists**

420-001-011	10	FM Terminals
420-001-012	1	Auxiliary Systems
420-001-013	1	Protection Switching

**420-2 FM Terminals**

**420-210 3A FM Transmitter**

Description	Issue	Subject
Addendum	1	
420-210-100	1	Description

Number	Issue	Subject	Number	Issue	Subject
420-210-301	1	Placement In and Removal From Service	<b>420-213 4-Type FM Terminals</b>		
<b>Tests</b>			420-213-500	2	Description and Maintenance — J68418C Portable Housing
420-210-500	2	General	<b>420-214 4-Type FM Transmitters</b>		
420-210-501	2	In-Service Checks	<b>Description</b>		
420-210-502	4	IF and Oscillator Rest Frequencies	Addendum	1	
420-210-503	2	Square-Wave Response	420-214-100	2	Description
420-210-504	2	IF Output and Frequency Response	420-214-301	3	Placement In and Removal From Service
420-210-505	2	Linearity	<b>Tests</b>		
Addendum	1		420-214-500	2	General
420-210-506	2	Deviation Sensitivity	420-214-501	3	In-Service Checks
420-210-507	2	Frequency Response and Monitor Gain Adjustments	Addendum	1	
420-210-508	2	Alarm Circuit Adjustments	420-214-502	3	Rest Frequency, Output Level, and Deviation Sensitivity
420-210-509	1	Fluctuation Noise and Spurious Tone Measurements	420-214-503	3	IF Flatness, Linearity, and Delay
420-210-510	1	Oven Temperature Control Circuit — Performance Checks	420-214-504	3	Tests—Baseband Gain-Frequency Response
420-210-511	1	Control Unit — Performance Checks	420-214-505	3	Fluctuation Noise and Spurious Tone Measurements
420-210-512	1	-20 Volt Regulator — Performance Checks	420-214-506	3	Square-Wave Response
<b>420-211 3A FM Receiver</b>			<b>420-215 4-Type FM Receiver</b>		
<b>Description</b>			420-215-100	2	Description
420-211-100	1	Description	420-215-301	2	Placement In and Removal From Service
420-211-301	1	Placement In and Removal From Service	<b>Tests</b>		
<b>Tests</b>			420-215-500	3	General
420-211-500	2	General	420-215-501	2	In-Service Checks
420-211-501	1	In-Service Checks	420-215-502	4	FM Terminal — Square-Wave Response Test
420-211-502	1	Square-Wave Response	420-215-503	3	Gain, Frequency Response, and Limiting Action
Addendum	1		420-215-504	4	Linearity
420-211-503	2	Gain, Frequency Response, Limiting Action, and Alarm Circuit Adjustments	420-215-505	4	Fluctuation Noise and Spurious Tone Measurements
420-211-504	2	Linearity	<b>420-216 5A FM Terminal BB Modem</b>		
420-211-505	2	Fluctuation Noise and Spurious Tone Measurements	420-216-100	1	Description
420-211-506	1	Alarm Relays — Performance Checks	420-216-301	1	Placement In and Removal From Service

Number	Issue	Subject
420-216-500	1	Tests — General
420-216-501	2	In-Service Tests
420-216-502	1	J68418F — Rest Frequency, Output Level, and Deviation Sensitivity
Addendum	1	
420-216-503	1	J68418F — Transmitter — IF Flatness, Linearity, and Delay
420-216-504	1	J68418F — Receiver Linearity and Delay
420-216-505	2	Gain, Frequency Response, and Limiting Action
420-216-506	2	Fluctuation Noise and Spurious Tone Measurements
420-216-507	1	Square-Wave Response
420-216-508	1	Pilot Detector Tests
420-216-509	1	J68418F — Linearity and Delay Tests

**420-217 5A FM Terminal IF Deviation Shifter**

420-217-100	1	Description
420-217-301	1	Placement In and Removal From Service
420-217-500	1	Test — General
420-217-501	1	In-Service Tests
420-217-502	2	J68418G — Output Level, Rest Frequency, and Deviation Sensitivity
Addendum	1	
420-217-503	1	J68418G — IF Deviation Shifter — Transmitter — IF Flatness, Linearity, and Delay
420-217-504	1	J68418G — IF Deviation Shifter — Receiver Linearity and Delay
420-217-505	2	Gain, Frequency Response, and Limiting Action
420-217-506	2	Fluctuation Noise and Spurious Tone Measurements
420-217-507	1	Square-Wave Response
420-217-508	2	J68418G — IF Deviation Shifter — Baseband Protection Circuit

Number	Issue	Subject
<b>420-3 Auxiliary Systems</b>		
<b>420-300 J68422 Frequency Diplexed Auxiliary Channel</b>		
<b>Description</b>		
420-300-100	1	Overall System
420-300-101	1	J68422C Modulating/Demodulating Panel
420-300-102	1	J68422E — 19 Volt Regulator, 263A Amplifier, and 1030A Filter Panel
420-300-103	1	16A Modulator
420-300-104	1	Farinon* Multiplex Service Channel
420-300-106	2	Auxiliary Channel Switching
<b>Tests</b>		
420-300-500	1	General Test Information and Level Diagrams
420-300-501	2	Service Channel Tests — Terminals
420-300-502	1	Service Channel Tests — Repeaters

**420-301 Auxiliary Channel Switching System**

<b>Operation</b>		
420-301-300	1	Operation
<b>Tests</b>		
420-301-500	1	General
420-301-501	2	Terminal Station
420-301-502	1	Repeater Station

**420-302 J68422C Auxiliary Channel Modulating/Demodulating Panel**

<b>Tests</b>		
420-302-500	1	Maintenance

**420-304 16A Modulator**

420-304-500	1	Removal and Replacement
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Number	Issue	Subject	Number	Issue	Subject
<b>420-305 IF Entrance Link</b>			Addendum	2	
420-305-000	2	Description, Operation, and Maintenance	420-610-107	1	Receiving Logic
<b>420-306 J68415A Heterodyne Auxiliary Channel</b>			Addendum	1	
420-306-100	2	Description	420-610-108	1	Transmitting Logic
420-306-500	3	Tests	420-610-109	1	Auxiliary Station Logic
<b>420-307 Radio Protection Monitor</b>			Addendum	1	
420-307-101	1	J68455A-1 100A — Description, Operation, and Maintenance	420-610-110	1	Voice Frequency Circuits
<b>420-5 Portable Microwave Repeater</b>			420-610-111	2	Controls, Indications, and Alarms
420-501-100	1	Farinon (PMR4000) — Description, Operation, and Maintenance	Addendum	1	
420-502-100	1	Hewlett-Packard 4 GHz (83001A) — Description, Operation, and Maintenance	420-610-112	1	J68381E Exerciser
<b>420-6 Switching</b>			420-610-113	1	Power
<b>420-600 Data Tests</b>			420-610-114	1	DC Translator
420-600-302	1	Protection Switching Systems — Registers — Recording and Analysis	420-610-115	2	J68381DJ IF Amplifier-Limiter Circuit and J68381EH IF Amplifier With Squelch
420-600-501	2	Long-Haul Radio System Data Trouble — Location Tests for 1A Radio Digital System (1A RDS)	420-610-116	1	J68389AC IF Amplifier
<b>420-610 100A Protection Switching System</b>			420-610-120	1	Simplified 1X1 System
<b>Description</b>			420-610-121	1	Combined System
420-610-100	5	Overall System	420-610-122	1	Split System
420-610-101	2	IF Switches	420-610-125	1	100A/400A Overbuild System
420-610-102	2	J68381BK and J68381EG IF Amplifiers	<b>Operation</b>		
420-610-103	3	J68381BT/DP/DW/EA Protection Carrier Supplies	420-610-300	6	System Operation
420-610-104	3	J68381BG/DN/EF Channel Initiators	420-610-302	1	Description, Operation, and Maintenance — Register Circuits
420-610-105	3	J68381BH/DM/DY/EB/FG Protection Pilot Detectors	<b>System Tests</b>		
420-610-106	1	General Logic Circuits	420-610-500	1	General
			420-610-502	10	J68381B Receiving IF Switch Bay
			420-610-503	3	J68381C Receiving Control Bay
			420-610-504	5	J68381A Transmitting IF Switch and Control Bay
			420-610-505	2	J68381D Auxiliary Station IF Switch and Control Bay
			420-610-506	5	Overall System
			420-610-507	3	J68389A IF Equalization and Amplifier Bay
			420-610-510	2	1 X 1 Simplified Switching System
			420-610-511	4	1X11 — J68381B Receiving IF Switch Bay
			420-610-512	2	1X11 — J68381C Receiving Control Bay
			420-610-513	2	1X11 — J68381A Transmitting IF Switch and Control Bay
			420-610-515	2	1 X 11 — Overall System

Number	Issue	Subject
420-610-516	1	1X11 J68389A IF Equalization and Amplifier Bay
<b>420-611 IF Equipment Tests</b>		
420-611-500	1	General
Addendum	1	
420-611-501	3	J68381BK, J68381EG, and J68389AC IF Amplifiers
420-611-502	2	J68381BJ/EJ IF Switch Control Unit
420-611-503	3	J68381BH/DM/DY/EB/FG Protection Pilot Detector Circuit
420-611-504	4	J68381BT/DP/DW/EA Protection Carrier Supply
420-611-505	2	8A, 8B, and 14A Gates
Addendum	1	
420-611-506	3	J68381DJ IF Amplifier-Limiter Circuit and J68381EH IF Amplifier With Squelch
<b>420-612 Initiator Tests</b>		
Addendum	1	
420-612-501	3	J68381DN/BG/EF Channel Initiator — 100A Protection Switching System
<b>420-613 Receiving Logic Plug-in Units</b>		
420-613-500	2	General
Addendum	1	
420-613-501	1	Tests
<b>420-614 Transmitting Logic Plug-in Units</b>		
420-614-500	2	General
420-614-501	1	Tests
<b>420-615 Auxiliary Station Logic Plug-in Units</b>		
420-615-500	1	General
420-615-501	1	Tests
<b>420-616 Voice-Frequency Circuit Plug-in Units</b>		
420-616-500	1	General
420-616-501	1	Tests

Number	Issue	Subject
<b>420-617 J68381E Exerciser Logic Plug-in Units</b>		
420-617-500	2	General
420-617-501	2	Tests
<b>420-618 Miscellaneous Equipment</b>		
420-618-500	1	General
420-618-501	2	Tests
<b>420-620 400A Protection Switching System</b>		
<b>Description</b>		
420-620-100	3	Overall System
420-620-101	2	Basic System
420-620-102	1	100A/400A Overbuild System
420-620-103	1	IF Intermix
420-620-104	1	Manual Controls, Indications, and Alarms
420-620-106	1	J68429P IF Amplifier
420-620-107	2	J68429S Protection Carrier Supply
420-620-108	2	J68429K/L Channel Initiators
420-620-109	1	J68429R IF Level Detector
420-620-110	1	295-Type Switches
420-620-115	1	General Logic Circuits
420-620-116	4	Receiving Logic
420-620-117	1	J68429F Receiving Channel Control Circuit
420-620-118	1	J68429G Receiving Protection Channel Control Circuit
420-620-119	1	J68429H Receiving Access Protection Switch Control Circuit
420-620-120	1	Description, Operation, and Maintenance — Simplified System
420-620-125	1	VF Control Signaling Facilities
420-620-126	1	ED-51903 VF Tone Oscillator and Logic
420-620-127	1	ED-51904 VF Summing Amplifier
420-620-128	1	ED-51905 VF Order-Tone Detector and Logic Unit
420-620-129	1	ED-51906 VF Continuity Tone Detector and Logic Circuit
420-620-130	1	ED-51926 VF Guard Tone, Noise Detector and Logic Circuit
420-620-131	1	ED-51927 VF AGC Amplifier
420-620-135	3	Transmitting Logic Circuits

Number	Issue	Subject	Number	Issue	Subject
420-620-136	1	J68429M Transmitting Regular Channel Control Circuit	<b>420-630 200A Protection Switching System</b>		
420-620-137	1	J68429N Transmitting Protection Channel Control Circuit	<b>Description</b>		
420-620-138	1	J68429J Transmitting Access Protection — Switch Control Circuit	420-630-100	4	Overall System
420-620-140	1	100A/400A Overbuild Circuits	420-630-101	5	FM Terminal Transmitter and Wire-Line Entrance Link Switching
420-620-141	1	400A Add-Drop System — Description, Operation and Maintenance	420-630-102	5	Description — FM Terminal Receiver and Wire-Line Entrance Link Switching
420-620-145	1	ED-51900 (AT), ED-51901 (ID), and ED-51902 (RD) Relay Units	420-630-103	4	FM Terminal Transmitter and WLEL Switching — Automatic and Manual Control Circuits
420-620-146	1	J68429T Remote Key and Lamp Panel	420-630-104	4	Description — FM Terminal Receiver and WLEL Switching — Automatic and Manual Control Circuits
420-620-147	1	Description, Operation, and Maintenance — Register Circuits	420-630-105	2	Indications, Alarms, and Alarm Circuits
420-620-150	1	J68429W Exerciser	420-630-106	3	Sensor Circuits
420-620-155	2	Power	420-630-107	2	Monitoring and Test Facilities
420-620-300	3	System Operation	420-630-108	2	Power and Power Distribution
420-620-301	1	Putting Into Service	420-630-109	2	J68389AA IF Amplifier
420-620-302	1	Transmitting IF Switch and Control Bay — Performance Requirements	<b>Operation</b>		
420-620-303	2	Receiving IF Switch and Control Bay — Performance Requirements	420-630-300	5	Operation — Overall System
420-620-304	2	Supplementary IF Switch and Control Bay — Performance Requirements	<b>Tests</b>		
420-620-305	2	J68429D IF Switch and Control Bay — Performance Requirements	420-630-500	7	Tests — Overall System
<b>Tests</b>			420-630-501	2	FM Terminal Transmitter and Wire-Line Entrance Link Switching Tests — Automatic and Manual Control Circuits
420-620-500	2	General	420-630-502	2	FM Terminal Receiver and Wire-Line Entrance Link Switching Tests — Automatic and Manual Control Circuits
420-620-501	6	Overall System	420-630-503	5	J68381BK, J68381EG, J68389AA, and J68389AC IF Amplifiers
420-620-502	5	J68429A Transmitting IF Switch and Control Bay	420-630-504	3	J68382H FM Receiver
420-620-503	8	J68429B Receiving IF Switch and Control Bay	420-630-505	6	Tests — J68382E Baseband Amplifier- Rectifier
420-620-504	7	J68429C Supplementary IF Switch and Control Bay	420-630-506	3	J68398P Metering Circuit
420-626-500	3	Troubleshooting	420-630-507	2	J87252C Voltage Regulator
420-628-000	1	401A — Description, Operation, and Maintenance	<b>420-635 J68457A 1X1 Protection Switching System</b>		
420-629-000	1	401C — Description, Operation, and Maintenance	420-635-000	1	Description, Operation, and Maintenance

Number	Issue	Subject	Number	Issue	Subject
<b>420-650 300A Protection Switching System</b>			420-660-140	2	Digital Control Signaling Facility — Description
420-650-100	3	Description	420-660-141	1	Encoding Units Description
420-650-300	2	Operation	420-660-142	1	Decoding Unit Description
420-650-500	2	System Tests — General	420-660-143	1	ED-52173-30 Remote Manual Switch Control — Description
420-650-501	2	System Tests — Transmitting End	420-660-145	1	Power Circuits — Description
420-650-502	3	System Tests — Receiving End	420-660-300	1	System Operation
<b>420-660 400B Protection Switching System</b>			420-660-301	1	Placing in Service
420-660-100	1	Description	420-660-500	1	System Tests — General
420-660-101	1	Manual Controls, Indications, and Alarms	420-660-501	1	System Tests — Overall System Routines
420-660-102	1	Baseband Transmission	420-660-502	2	System Tests — J68437A Bay Tests
420-660-110	1	Overall System Logic	Addendum	1	
420-660-111	1	Receiving Logic — Description	420-667-500	1	System Tests — Troubleshooting
420-660-112	1	J68437D Receiving Regular Channel Control Unit — Description	<b>420-670 401B Protection Switching System</b>		
420-660-113	1	J68437F Receiving Protection Channel Control Unit — Description	420-670-100	1	Description
420-660-115	2	VF Control Signaling Facility — Description	420-670-101	1	Description — Manual Controls, Indications, and Alarms
420-660-116	1	VF Tone Oscillator and Logic Unit — Description	420-670-110	1	Description — Logic Circuits
420-660-117	1	VF Summing Amplifier — Description	420-670-300	1	Operation
420-660-118	1	VF Order-Tone Detector and Logic Unit — Description	420-670-301	1	Putting Into Service
420-660-119	1	Description — VF Continuity Tone Detector and Logic Circuit	420-670-500	1	System Tests — General
420-660-120	1	VF Guard Tone, Noise Detector and Logic Circuit — Description	420-670-501	1	System Tests — Overall System
420-660-121	1	VF AGC Amplifier Description	420-671-500	1	System Tests — Troubleshooting
420-660-125	1	Description — Transmitting Logic	<b>420-680 400D Protection Switching System</b>		
420-660-126	1	J68437J Transmitting Regular Channel Control Unit — Description	<b>Description</b>		
420-660-127	1	J68437H Transmitting Protection Channel Control Unit — Description	420-680-100	1	Description
420-660-130	1	ED-51900 (AT), ED-51901 (ID), and ED-51902 (RD) Relay Units — Description	420-680-101	1	Manual Controls, Indications, and Alarms
420-660-131	1	J68437M Remote Key and Lamp Panel — Description	420-680-102	2	Signaling — Description
420-660-135	1	J68437L Exerciser Description	420-680-103	1	Description — Channel Control Circuits
			420-680-110	1	Description — Switches
			420-680-115	1	Description — Exerciser
			420-680-120	1	Simplified 1X1 System
			420-680-300	1	System Operation
			<b>420-684 400H Protection Switching System</b>		
			<b>Description</b>		
			420-684-100	2	Overall System



Number	Issue	Subject	Number	Issue	Subject
420-684-101	2	Manual Controls, Indications, and Alarms	<b>420-705 3-Type FM Terminal — J68383F Baseband Amplifier</b>		
420-684-102	2	Signaling	420-705-501	1	Bias Adjustment and Power Supply Noise Rejection
420-684-106	1	Channel Control Circuits	420-705-502	1	Baseband Response and Gain Range
420-684-110	1	Switches	420-705-503	1	Longitudinal Suppression
420-684-120	1	Exerciser	420-705-504	1	Square-Wave Response
420-684-130	1	Description, Operation and Maintenance — Simplified 1X1 System	420-705-505	2	Linearity
420-684-300	2	System Operation	420-705-506	1	Noise Measurement
420-684-301	1	Placing Into Service	420-705-507	1	Troubleshooting
420-684-302	1	Performance Requirements	<b>420-706 3-Type FM Terminal — J68383G Monitor Unit</b>		
420-684-500	1	System Tests — General	420-706-501	1	Return Loss
420-684-501	1	System Tests — Overall System	420-706-502	1	High- and Low-Frequency Tank Circuit Adjustments
420-684-502	1	System Tests — Troubleshooting	420-706-503	1	DC Differential Balance and Discriminator Crossover Adjustments
<b>420-685 401H Protection Switching System</b>			420-706-504	2	IF Trap Adjustments
420-685-000	1	Description, Operation, and Maintenance	420-706-505	1	Discriminator Linearity Adjustment
<b>420-7 Maintenance Center</b>			420-706-506	2	Baseband Gain Range and Frequency Response
420-700-500	1	3-Type FM Terminal — General	420-706-507	2	Square-Wave Response
<b>420-701 3-Type FM Terminal — J68381DL Amplifier-Limiter</b>			420-706-508	1	Frequency Alarm
420-701-501	1	Return Loss	420-706-509	1	Level Alarm
420-701-502	1	Gain, Gain Range, Limiter Action and IF Flatness at Normal and $\pm 2$ dB Relative Gain	420-706-510	1	Troubleshooting
420-701-503	1	Troubleshooting	<b>420-707 3A FM Terminal — J68383H Limiter-Amplifier</b>		
<b>420-702 3-Type FM Terminal — J68383C or J68383P Deviator</b>			420-707-501	1	Return Loss
Addendum	1		420-707-502	1	Frequency Response, Gain, Limiter Action
420-702-501	1	J68383C or J68383P Deviator	420-707-503	1	Troubleshooting
<b>420-703 3-Type FM Terminal — J68383D Control Unit</b>			<b>420-708 3-Type FM Terminal — J68383L Limiter-Amplifier</b>		
420-703-501	1	J68383D Control Unit	420-708-501	2	Return Loss
<b>420-704 3-Type FM Terminal — J68383E IF Main Amplifier</b>			420-708-502	1	Frequency Response, Gain, Limiter Action
420-704-501	1	J68383E IF Main Amplifier	420-708-503	1	Troubleshooting
420-704-502	1	Troubleshooting			

Number	Issue	Subject
<b>420-709 3-Type FM Terminal — J68383J and J68383U Discriminator Baseband</b>		
420-709-501	1	Return Loss
420-709-502	1	IF Frequency Response
420-709-503	1	High- and Low-Frequency Tank Circuit Adjustment
420-709-504	1	Discriminator Crossover and IF Trap Adjustment
420-709-505	1	Baseband Gain Range
420-709-506	1	Discriminator Linearity
420-709-507	1	Noise
420-709-508	1	Baseband Response
420-709-509	1	Square-Wave Response
420-709-510	1	Level Alarm
420-709-511	1	Troubleshooting
<b>420-710 3B FM Terminal — J68383S Control Unit</b>		
420-710-501	1	Troubleshooting
<b>420-712 3-Type FM Terminal</b>		
420-712-501	1	J87252B — 20V Regulator
<b>420-8 Ancillary Equipment</b>		
420-801-100	1	J68389AD IF Amplifier — Description
420-801-500	1	J68389AD IF Amplifier — Tests and Adjustments
420-802-100	2	Microwave Radio — Common Equipment — 652A Integrated Circuit — RF Preamplifier — Description, Installation, and Re- placement
420-810-500	1	System Tests — J68389A IF Equalization and Amplifier Bay

**Division 421****FR/DR Microwave Radio Systems****421-0 Indexes and General Information****421-1 Microwave Radio System — DR6/11-135A and 135EC**

-100 IXN Frequency Diversity and Hot Standby — Maintenance Center Operations

-101 Frequency Diversity — Operation and Maintenance — Maintenance Support

-102 Frequency Diversity — Operation and Maintenance — Terminal Station

-103 Frequency Diversity — Operation and Maintenance — Regenerator Station

-104 Hot Standby — Operation and Maintenance — Maintenance Support

-105 Hot Standby — Operation and Maintenance — Terminal Station

-106 Hot Standby — Operation and Maintenance — Regenerator Station

-109 Frequency Diversity — Turnup Procedures

**421-2 DR6/11-90A, DR6/11-135, and FR6 Microwave Radio Systems****421-3 International Digital Radio Systems**

-300 DR6/DR11

**421-4 NDR (Network Distribution Radio)**

-400 General

-401 LC Series Digital Microwave Radio

-402 M Series Digital Microwave Radio

-404 W Series Digital Microwave Radio

Number	Issue	Subject
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**421-0 Indexes and General Information**

421-000-000	58	Numerical Index — Division 421 — FR/DR Microwave Radio Systems (2-95)
421-001-011	1	Equipment Test List — DR6/30 Digital System
421-001-012	1	Equipment Test List — DR11/40 Digital System

Number	Issue	Subject
421-001-013	1	Equipment Test List — FR6/30 Analog System

**421-1 Microwave Radio System — DR6/11-135A and 135EC****421-100 IXN Frequency Diversity and Hot Standby — Maintenance Center Operations**

421-100-001	1	Serial Alarm Reporting — DR6/11-135A and 135EC NOTE: Provides binder, tabs, and the documents listed below.
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421-100-002	421-100-004
421-100-005	421-100-006
421-100-007	421-100-008
421-100-009	421-100-010
421-100-032	

421-100-002	3	Document Contents List for AT&T 421-100-001
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**Frequency Diversity**

421-100-004	2	Route Diagrams
Addendum	1	
421-100-005	1	Alarm Analysis Procedures
421-100-006	1	Repair Verification and System Restoral
Addendum	1	
421-100-007	2	Scan Point Explanations
421-100-008	2	Control Point Explanations
421-100-009	1	Remote System Operations
421-100-010	3	Glossary for 421-100 Layer Documents
421-100-011	2	Document Contents List for AT&T 421-100-080
421-100-012	1	Discrete Alarm Reporting DR 6/11-135A and 135EC — Document Contents
421-100-013	2	Document Contents List for AT&T 421-100-090
421-100-016	2	Route Diagrams
Addendum	1	
421-100-017	1	Alarm Analysis Procedures
421-100-018	1	Repair Verification and System Restoral
421-100-019	1	Scan Point Explanations
421-100-020	1	Control Point Explanations

Number	Issue	Subject
421-100-021	1	Remote System Operations
421-100-032	2	Discrete Alarm Reporting DR 6/11-135A and 135EC — Docu- ment Introduction
421-100-033	1	Discrete Alarm Reporting DR 6/11-135A and 135EC — Alarm Analysis Procedures
421-100-034	1	Discrete Alarm Reporting DR 6/11-135A and 135EC — Repair Verification and System Restoral
421-100-035	1	Discrete Alarm Reporting DR 6/11-135 and 135EC — Remote System Operations
421-100-037	1	Discrete Alarm Reporting DR 6/11-135A and 135EC — Scan Point Explanations
421-100-038	1	Discrete Alarm Reporting DR 6/11-135A and 135EC — Control Point Explanations
Addendum	1	
421-100-043	1	Alarm Analysis Procedures
421-100-044	1	Repair Verification and System Restoral
Addendum	1	
421-100-047	1	Scan Point Explanations
421-100-048	1	Control Point Explanations
421-100-060	1	DR6/11-135 Digital Radio Fre- quency Diversity — Discrete Telemetry — Maintenance Center Operation NOTE: Provides binder, tabs, and the documents listed below.
		421-100-004 421-100-010 421-100-012 421-100-032 421-100-033 421-100-034 421-100-035 421-100-037 421-100-038
421-100-080	1	Serial Alarm Reporting NOTE: Provides binder, tabs, and the documents listed below.
		421-100-010 421-100-011 421-100-016 421-100-017 421-100-018 421-100-019 421-100-020 421-100-021 421-100-032
421-100-090	1	Discrete Telemetry NOTE: Provides binder, tabs, and the documents listed below.

Number	Issue	Subject
421-100-010		421-100-013
421-100-016		421-100-021
421-100-032		421-100-044
421-100-043		421-100-047
421-100-048		
<b>421-101 1xN Frequency Diversity — Operation and Maintenance — Maintenance Support</b>		
421-101-001	1	Maintenance Support — DR6/11-135A NOTE: Provides binder, tabs, and the documents listed below.
		421-101-002 421-101-003 421-101-004 421-101-006 421-101-007 421-101-008 421-101-009 421-101-010 421-101-011 421-101-012 421-101-013 421-101-014 421-101-015 421-101-017 421-101-018 421-101-020 421-101-022 421-101-023 421-101-024 421-101-025 421-101-028 421-104-021 421-104-026
421-101-002	3	Document Contents List for AT&T 421-101-001
421-101-003	4	Document Introduction for AT&T 421-101-001
421-101-004	2	System Performance Diagnostics
421-101-005	3	Document Contents List for AT&T 421-101-060
<b>Description</b>		
421-101-006	2	General
421-101-007	3	Terminal
Addendum	1	
421-101-008	2	Regenerator
Addendum	1	
421-101-009	3	Radio
Addendum	1	
421-101-010	3	Circuit Packs
<b>Equipment Identification</b>		
421-101-011	2	General
Addendum	1	
421-101-012	3	Terminal

Number	Issue	Subject	Number	Issue	Subject
421-101-013	3	Regenerator		421-101-045	421-101-046
Addendum	1			421-101-047	421-104-021
421-101-014	3	Radio		421-104-026	
Addendum	1				
421-101-015	3	Controls, Jacks, Indications, and Options			
<b>Special Sections</b>			<b>421-102 Frequency Diversity — Operation and Maintenance — Terminal Station</b>		
421-101-017	3	Special Replacement Procedures	421-102-001	1	TWT Amplifier — DR6/11-135A NOTE: Provides binder, tabs, and the documents listed below.
421-101-018	2	Route Diagrams		421-102-002	421-102-003
421-101-020	3	Glossary for 421-101 Layer Documents		421-102-004	421-102-010
				421-102-011	421-102-012
				421-102-018	421-102-020
				421-102-021	421-102-022
				421-102-023	421-102-024
				421-102-025	421-102-026
				421-102-030	421-102-031
				421-102-032	421-102-033
				421-102-040	421-102-041
				421-102-042	421-102-043
				421-102-044	421-102-045
				421-102-046	421-102-047
				421-102-049	421-102-050
				421-102-051	421-102-060
				421-102-061	421-102-062
				421-102-070	421-102-071
				421-102-072	421-102-073
				421-102-074	421-102-075
			■ 421-102-001AC	1	TWT Amplifier — 135A NOTE: Provides binder, tabs, and the documents listed below.
				421-102-003	421-102-004
				421-102-005AC	421-102-010
				421-102-011	421-102-012
				421-102-018	421-102-020
				421-102-021	421-102-022
				421-102-023	421-102-024
				421-102-025	421-102-026
				421-102-030	421-102-031
				421-102-032	421-102-033
				421-102-040	421-102-041
				421-102-042	421-102-043
				421-102-044	421-102-045
				421-102-046	421-102-047
				421-102-049	421-102-050
				421-102-051	421-102-060
				421-102-061	421-102-062
				421-102-080AC	421-102-081AC
				421-102-082AC	421-102-083AC
				421-102-084AC	421-102-085AC
				421-102-086AC	
		421-101-003	421-101-004		
		421-101-005	421-101-006		
		421-101-009	421-101-011		
		421-101-014	421-101-017		
		421-101-018	421-101-020		
		421-101-022	421-101-023		
		421-101-024	421-101-025		
		421-101-028	421-101-042		
		421-101-043	421-101-044		

Number	Issue	Subject	Number	Issue	Subject
421-102-002	3	General	421-102-004	2	System Operations
■ 421-102-002AC	3	Solid-State Amplifier — 135A NOTE: Provides binder, tabs, and the documents listed below.	■ 421-102-004AC	1	Solid-State Amplifier — 135EC NOTE: Provides binder, tabs, and the documents listed below.
		421-102-003 421-102-004			421-102-003 421-102-009
		421-102-006AC 421-102-010			421-102-010 421-102-011
		421-102-011 421-102-012			421-102-013 421-102-014
		421-102-013 421-102-014			421-102-015 421-102-016
		421-102-018 421-102-020			421-102-017 421-102-018
		421-102-021 421-102-022			421-102-020 421-102-021
		421-102-023 421-102-024			421-102-022 421-102-023
		421-102-025 421-102-026			421-102-024 421-102-025
		421-102-035 421-102-038			421-102-026 421-102-028
		421-102-039 421-102-040			421-102-035 421-102-038
		421-102-041 421-102-042			421-102-042 421-102-043
		421-102-043 421-102-044			421-102-044 421-102-045
		421-102-045 421-102-046			421-102-046 421-102-047
		421-102-047 421-102-051			421-102-048 421-102-052
		421-102-052 421-102-060			421-102-060 421-102-062
		421-102-062 421-102-063			421-102-063 421-102-080AC
		421-102-080AC 421-102-081AC			421-102-081AC 421-102-083AC
		421-102-082AC 421-102-083AC			421-102-086AC 421-102-087AC
		421-102-085AC 421-102-086AC			421-102-088AC 421-102-089AC
		421-102-087AC			421-102-091AC
421-102-003	5	Document Introduction for AT&T 421-102-001, -001AC, -002AC, and -080	421-102-005	2	Document Contents List for AT&T 421-102-080
■ 421-102-003AC	1	TWT Amplifier — 135EC NOTE: Provides binder, tabs, and the documents listed below.	■ 421-102-005AC	2	Document Contents List for AT&T 421-102-001AC
		421-102-003 421-102-009	Addendum	1	
		421-102-010 421-102-011	421-102-006	3	Document Contents List for AT&T 421-102-090
		421-102-015 421-102-016	■ 421-102-006AC	1	Document Contents List for AT&T 421-102-002AC
		421-102-017 421-102-018	Addendum	1	
		421-102-020 421-102-021	421-102-007	3	Document Contents List for AT&T 421-102-100
		421-102-022 421-102-023	Addendum	1	
		421-102-024 421-102-025	421-102-009	1	Terminal Station Operations
		421-102-026 421-102-027	421-102-010	1	Maintenance Introduction
		421-102-028 421-102-030	Addendum	1	
		421-102-031 421-102-032	421-102-011	3	Station Alarm Trouble Isolation
		421-102-033 421-102-042	421-102-012	3	Service Protection
		421-102-043 421-102-044	421-102-013	2	Solid State Amplifier —DC Power Diagnosis
		421-102-045 421-102-046	421-102-014	2	RF Power Alarm
		421-102-047 421-102-049	Addendum	1	
		421-102-060 421-102-061	421-102-015	2	Terminal Trouble Isolation
		421-102-062 421-102-080AC			
		421-102-081AC 421-102-083AC			
		421-102-084AC 421-102-086AC			
		421-102-088AC 421-102-089AC			
		421-102-090AC			

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		<b>Terminal Trouble Isolation</b>		
421-102-016	3	DC Power Alarm	421-102-040	1	General
421-102-017	1	Service Protection	421-102-041	2	DC Power Alarm
<b>Radio Receiver Trouble Isolation</b>			Addendum	1	
421-102-020	4	DR 6/11-135A and 135EC — Radio Receiver Trouble Isolation	421-102-042	2	Fan Fail Alarm
421-102-021	4	RF Preamplicifier Alarm	Addendum	1	
421-102-022	3	DC Power Alarm	421-102-043	3	Control System Alarm
421-102-023	4	Generator Oven Alarm	Addendum	1	
421-102-024	3	IF Amplifier Alarm	421-102-044	2	Digital Receiver Alarm
421-102-025	3	Adaptive Equalizer Alarm	Addendum	1	
421-102-026	3	Combiner Alarm (Space Diversity Only)	421-102-045	2	Digital Transmitter Alarm
421-102-027	3	0 Verification	Addendum	2	
421-102-028	6	DR 6/11-135EC Annual FCC Tests (9-94)	421-102-046	2	Excess Alarm
■ Supplement	1	Supplement to 421-102-029. HP11758T DRTS (Digital Radio Test System) Supplement Pack- age.	Addendum	1	
421-102-029	4	Operation and Maintenance, Ter- minal Station 1xN Frequency Diversity, DR6/11-135EC, Sta- tion Procedures	421-102-047	2	Signaling Fail Alarm
<b>Radio Transmitter Trouble Isolation</b>			<b>Maintenance</b>		
421-102-030	2	General	421-102-048	3	Repair Verification
421-102-031	3	DC Power Alarm	421-102-049	1	Transmitter Subroutines
421-102-032	3	Generator Oven Alarm	<b>Special Sections</b>		
421-102-033	3	RF Power Alarm	421-102-050	3	Repair Verification
■ Supplement	1	Supplement to 421-102-034. HP11758T DRTS Supplement Package.	421-102-051	4	DR6/11-135A Annual FCC Tests (9-94)
421-102-034	4	Operation and Maintenance, Ter- minal Station — 1xN Frequency Diversity, DR6/11-135ED, Termi- nal Procedures	421-102-052	1	Transmitter Subroutines — Maintenance
421-102-035	2	Radio Transmitter Trouble Isola- tion	<b>Replacement Procedures</b>		
421-102-038	2	Generator Oven Alarm — Maintenance	Addendum	1	
421-102-039	2	Repair Verification — Mainte- nance	421-102-060	3	Radio Receiver
			Addendum	1	
			421-102-061	3	Radio Transmitter
			421-102-062	2	Terminal
			421-102-063	1	Radio Transmitter
			<b>Tests and Adjustments</b>		
			421-102-070	4	Test Equipment and Accessories
			421-102-071	3	Station Procedures
			■ Supplement	1	Supplement to 421-102-072. HP11758T DRTS Supplement Package.
			421-102-072	4	Radio Receiver Procedures
			421-102-073	4	Radio Transmitter Procedures (6-92) Supplement to 421-102- 073. HP11758T DRTS Supple- ment Package.

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		421-102-018		421-102-020
421-102-074	3	Terminal Procedures	421-102-021		421-102-022
421-102-075	2	Glossary	421-102-023		421-102-024
■ Supplement	1	Supplement to 421-102-076. HP11758T DRTS Supplement Package.	421-102-025		421-102-026
421-102-076	3	Radio Transmitter Procedures	421-102-027		421-102-028
421-102-080	1	Solid-State Amplifier — 135A NOTE: Provides binder, tabs, and the documents listed below.	421-102-029		421-102-030
		421-102-003 421-102-004	421-102-031		421-102-032
		421-102-005 421-102-010	421-102-033		421-102-034
		421-102-011 421-102-012	421-102-042		421-102-043
		421-102-013 421-102-014	421-102-044		421-102-045
		421-102-018 421-102-020	421-102-046		421-102-047
		421-102-021 421-102-022	421-102-049		421-102-060
		421-102-023 421-102-024	421-102-061		421-102-062
		421-102-025 421-102-026	421-102-070		421-102-072
		421-102-035 421-102-038	421-102-073		421-102-075
		421-102-039 421-102-040			
		421-102-041 421-102-042	■ 421-102-090AC	3	Document Contents List for AT&T 421-102-003AC
		421-102-043 421-102-044	■ 421-102-091AC	2	Document Contents List for AT&T 421-102-004AC
		421-102-045 421-102-046	421-102-100	1	Solid-State Amplifier — 135EC NOTE: Provides binder, tabs, and the documents listed below.
		421-102-047 421-102-051			421-102-007 421-102-003
		421-102-052 421-102-060			421-102-009 421-102-010
		421-102-062 421-102-063			421-102-011 421-102-013
		421-102-070 421-102-071			421-102-014 421-102-015
		421-102-072 421-102-074			421-102-016 421-102-017
		421-102-075 421-102-076			421-102-018 421-102-020
					421-102-021 421-102-022
■ 421-102-080AC	2	Test Equipment and Accessories			421-102-023 421-102-024
■ 421-102-081AC	1	ME645A MRTS (Microwave Ra- dio Test Set)			421-102-025 421-102-026
■ 421-102-082AC	2	Station Procedures			421-102-028 421-102-029
■ 421-102-083AC	2	Radio Receiver Procedures			421-102-034 421-102-035
■ 421-102-084AC	2	Radio Transmitter Procedures			421-102-038 421-102-042
■ Addendum AC	1				421-102-043 421-102-044
■ 421-102-085AC	2	Terminal Procedures			421-102-045 421-102-046
■ 421-102-086AC	1	Glossary			421-102-047 421-102-048
■ 421-102-087AC	1	Radio Transmitter Procedures			421-102-052 421-102-060
■ 421-102-088AC	2	Terminal Procedures			421-102-062 421-102-063
■ Addendum AC	1				421-102-070 421-102-072
■ 421-102-089AC	1	Station Procedures			421-102-075 421-102-076
421-102-090	1	TWT Amplifier — 135EC NOTE: Provides binder, tabs, and the documents listed below.			
		421-102-006 421-102-003	<b>421-103 Frequency Diversity — Operation and Maintenance — Regenerator Station</b>		
		421-102-009 421-102-010	421-103-001	1	TWT Amplifier — DR6/11-135A NOTE: Provides binder, tabs, and the documents listed below.
		421-102-011 421-102-015			421-102-018 421-102-020
		421-102-016 421-102-017			421-102-021 421-102-022
					421-102-023 421-102-024



Number	Issue	Subject	Number	Issue	Subject
		421-102-025 421-102-026			421-102-047 421-102-052
		421-102-030 421-102-031			421-102-060 421-102-063
		421-102-032 421-102-033			421-102-080AC 421-102-081AC
		421-102-042 421-102-047			421-102-083AC 421-102-086AC
		421-102-049 421-102-060			421-102-087AC 421-103-004
		421-102-061 421-102-070			421-103-006AC 421-103-010
		421-102-072 421-102-073			421-103-011 421-103-012
		421-102-075 421-103-002			421-103-040 421-103-041
		421-103-003 421-103-004			421-103-043 421-103-044
		421-103-010 421-103-011			421-103-045 421-103-046
		421-103-012 421-103-040			421-103-051 421-103-052
		421-103-041 421-103-043			421-103-062 421-103-082AC
		421-103-044 421-103-045			421-103-085AC
		421-103-046 421-103-050			
		421-103-051 421-103-062			
		421-103-071 421-103-074			
■ 421-103-001AC	1	TWT Amplifier — 135A NOTE: Provides binder, tabs, and the documents listed below.	■ 421-103-003AC	1	TWT Amplifier — 135EC NOTE: Provides binder, tabs, and the documents listed below.
		421-102-018 421-102-020			421-102-003 421-102-018
		421-102-021 421-102-022			421-102-020 421-102-021
		421-102-023 421-102-024			421-102-022 421-102-023
		421-102-025 421-102-026			421-102-024 421-102-025
		421-102-030 421-102-031			421-102-026 421-102-030
		421-102-032 421-102-033			421-102-031 421-102-032
		421-102-042 421-102-047			421-102-033 421-102-042
		421-102-049 421-102-060			421-102-047 421-102-049
		421-102-061 421-102-080AC			421-102-060 421-102-061
		421-102-081AC 421-102-083AC			421-102-080AC 421-102-081AC
		421-102-084AC 421-102-086AC			421-102-083AC 421-102-084AC
		421-103-003 421-103-004			421-102-086AC 421-103-004
		421-103-005AC 421-103-010			421-103-007AC 421-103-010
		421-103-011 421-103-012			421-103-011 421-103-012
		421-103-040 421-103-041			421-103-040 421-103-041
		421-103-043 421-103-044			421-103-043 421-103-044
		421-103-045 421-103-046			421-103-045 421-103-046
		421-103-050 421-103-051			421-103-050 421-103-051
		421-103-062 421-103-082AC			421-103-062 421-103-087AC
		421-103-085AC			421-103-088AC
421-103-002	4	1XN — DR 6/11-135A — TWT Amplifier — Document Contents	421-103-004	1	System Operations
■ 421-103-002AC	1	Solid-State Amplifier — 135A NOTE: Provides binder, tabs, and the documents listed below.	■ 421-103-004AC	1	Solid-State Amplifier — 135EC NOTE: Provides binder, tabs, and the documents listed below.
		421-102-003 421-102-013			421-102-003 421-102-013
		421-102-014 421-102-018			421-102-014 421-102-018
		421-102-020 421-102-021			421-102-020 421-102-021
		421-102-022 421-102-023			421-102-022 421-102-023
		421-102-024 421-102-025			421-102-024 421-102-025
		421-102-026 421-102-035			421-102-026 421-102-035
		421-102-038 421-102-042			421-102-026 421-102-035
					421-102-038 421-102-042
					421-102-047 421-102-052
					421-102-060 421-102-063
					421-102-080AC 421-102-081AC
					421-102-083AC 421-102-086AC

Number	Issue	Subject	Number	Issue	Subject
		421-102-087AC 421-103-004	421-103-044	2	Digital Receiver Alarm
		421-103-008AC 421-103-010	421-103-045	1	Digital Transmitter Alarm
		421-103-011 421-103-012	Addendum	2	
		421-103-040 421-103-041	421-103-046	2	Excess Alarm
		421-103-043 421-103-044			
		421-103-045 421-103-046	<b>Special Sections</b>		
		421-103-051 421-103-052	421-103-050	4	TWT Amplifier — Repair Verifica- tion
		421-103-062 421-103-087AC	421-103-051	6	DR6/11-135A and -135EC Annu- al FCC Tests (9-94)
		421-103-088AC	421-103-052	3	Solid-State Amplifier — Repair Verification
421-103-005	3	Document Contents List for AT&T 421-103-080			
■ 421-103-005AC	3	Document Contents List for AT&T 421-103-001AC	<b>Replacement Procedures</b>		
Addendum	1		421-103-062	1	Regenerator
421-103-006	3	Document Contents List for AT&T 421-103-090	<b>Tests and Adjustments</b>		
■ 421-103-006AC	3	Document Contents List for AT&T 421-103-002AC	421-103-071	3	Station Procedures
Addendum	1		421-103-074	3	Regenerator Procedures
421-103-007	3	Document Contents List for AT&T 421-103-100	■ Supplement	1	Supplement to 421-103-076. HP11758T DRTS Supplement Package.
■ 421-103-007AC	3	Document Contents List for AT&T 421-103-003AC	421-103-076	4	Regenerator Station — Station Procedures
421-103-008	2	Document Introduction for AT&T 421-103-003AC, -004AC, -090, and -100	421-103-080	1	Solid-State Amplifier — 135A NOTE: Provides binder, tabs, and the documents listed below.
■ 421-103-008AC	3	Document Contents List for AT&T 421-103-004AC			
					421-102-003 421-102-013
<b>Regenerator Station</b>					421-102-014 421-102-018
421-103-010	1	Maintenance Introduction			421-102-020 421-102-021
Addendum	1				421-102-022 421-102-023
421-103-011	3	Station Alarm Trouble Isolation			421-102-024 421-102-025
421-103-012	1	Service Protection			421-102-026 421-102-035
Addendum	1				421-102-038 421-102-042
■ Supplement	1	Supplement to 421-103-013. HP11758T DRTS Supplement Package.			421-102-047 421-102-052
421-103-013	4	Regenerator Procedures			421-102-060 421-102-063
					421-102-070 421-102-072
<b>Regenerator Trouble Isolation</b>					421-102-075 421-102-076
Addendum	1				421-103-004 421-103-005
421-103-040	2	Regenerator Trouble Isolation			421-103-010 421-103-011
Addendum	1				421-103-012 421-103-040
421-103-041	3	DC Power Alarm			421-103-041 421-103-043
421-103-043	1	Control System Alarm			421-103-044 421-103-045
					421-103-046 421-103-051
					421-103-052 421-103-062
					421-103-071 421-103-074
			■ 421-103-082AC	2	Station Procedures
			■ 421-103-085AC	2	Regenerator Procedures

Number	Issue	Subject	Number	Issue	Subject
■ 421-103-087AC	1	Station Procedures	<b>421-104 Hot Standby — Operation and Maintenance — Maintenance Support</b>		
■ 421-103-088AC	1	Regenerator Procedures	421-104-001	1	Maintenance Support — DR6/11-135A NOTE: Provides binder, tabs, and the documents listed below.
421-103-090	1	TWT Amplifier — 135EC NOTE: Provides binder, tabs, and the documents listed below.			
		421-102-018 421-102-020			421-101-020 421-101-024
		421-102-021 421-102-022			421-104-002 421-101-003
		421-102-023 421-102-024			421-104-004 421-104-006
		421-102-025 421-102-026			421-104-007 421-104-008
		421-102-030 421-102-031			421-104-009 421-104-010
		421-102-032 421-102-033			421-104-011 421-104-012
		421-102-042 421-102-047			421-104-013 421-104-014
		421-102-049 421-102-060			421-104-015 421-104-017
		421-102-061 421-102-070			421-104-018 421-104-021
		421-102-072 421-102-073			421-104-022 421-104-023
		421-102-075 421-103-004			421-104-025 421-104-026
		421-103-006 421-102-003			421-104-028
		421-103-010 421-103-011			
		421-103-012 421-103-013			
		421-103-040 421-103-041	421-104-002	3	Document Contents List for AT&T 421-104-001
		421-103-043 421-103-044	421-104-004	1	System Performance Diagnostics
		421-103-045 421-103-046	421-104-006	1	General Description
		421-103-050 421-103-051	Addendum	1	
		421-103-062 421-103-076	421-104-007	1	Terminal — Description — 135A
			Addendum	1	
421-103-100	1	Solid-State Amplifier — 135EC NOTE: Provides binder, tabs, and the documents listed below.	421-104-008	1	Regenerator — Description — 135A
		421-102-013 421-102-014	421-104-009	2	Radio — Description
		421-102-018 421-102-020	Addendum	1	
		421-102-021 421-102-022	421-104-010	2	Circuit Packs — Description — 135A
		421-102-023 421-102-024	421-104-011	1	General Equipment Identification
		421-102-025 421-102-026	Addendum	2	
		421-102-035 421-102-038	421-104-012	1	Terminal — Equipment Identification — 135A
		421-102-042 421-102-047	Addendum	2	
		421-102-052 421-102-060	421-104-013	1	Regenerator — Equipment Identification — 135A
		421-102-063 421-102-070	421-104-014	2	Radio — Equipment Identification
		421-102-072 421-102-075	421-104-015	2	Controls, Jacks, Indications, and Options — 135A
		421-102-076 421-103-004	Addendum	1	
		421-103-007 421-102-003	421-104-017	1	Special Replacement Procedures
		421-103-010 421-103-011	421-104-018	1	Route Diagrams
		421-103-012 421-103-013			
		421-103-040 421-103-041			
		421-103-043 421-103-044			
		421-103-045 421-103-046			
		421-103-051 421-103-052			
		421-103-062 421-103-076			

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		<b>421-105 Hot Standby — Operation and Maintenance — Terminal Station</b>		
421-104-021	3	Continuous Performance Monitoring	421-105-001	1	TWT Amplifier — DR6/11-135A NOTE: Provides binder, tabs, and the documents listed below.
421-104-022	1	DS3 to DS3 Performance	421-105-002		421-102-003
421-104-023	1	Pseudo Error, CRC Error, and Frame Loss Event Monitoring	421-105-004		421-105-010
421-104-025	1	Radio Transmission Tests	421-105-011		421-105-012
421-104-026	2	Tests — DR/6	421-105-020		421-105-021
421-104-027	1	Tests — DR/11	421-105-022		421-105-023
421-104-028	1	DADE (Differential Absolute Delay Equalization)	421-105-024		421-105-025
421-104-040	3	Document Contents List for AT&T 421-104-060	421-105-030		421-105-031
Addendum	1		421-105-032		421-105-033
421-104-042	1	DR6/11-135EC — Hot Standby — Terminal Description — Maintenance Support	421-105-038		421-105-039
Addendum	1		421-105-040		421-105-041
421-104-043	1	DR6/11-135EC — Hot Standby — Regenerator Description — Maintenance Support	421-105-042		421-105-043
Addendum	1		421-105-044		421-105-045
421-104-044	2	DR6/11-135EC — Hot Standby (em Circuit Pack Descriptions — Maintenance Support	421-105-046		421-105-047
Addendum	2		421-105-050		421-105-051
421-104-045	1	Terminal — Equipment Identification — 135EC	421-105-060		421-105-061
Addendum	2		421-105-062		421-105-070
421-104-046	1	Regenerator — Equipment Identification — 135EC	421-105-071		421-105-072
421-104-047	2	Controls, Jacks, Indications, and Options — 135EC	421-105-073		421-105-074
421-104-060	1	Maintenance Support — DR6/11-135EC NOTE: Provides binder, tabs, and the documents listed below.	421-105-075		
		421-101-003 421-101-020	■ 421-105-001AC	1	TWT Amplifier — DR6/11-135A NOTE: Provides binder, tabs, and the documents listed below.
		421-101-024 421-104-004			421-102-003 421-105-004
		421-104-006 421-104-009			421-105-005AC 421-105-010
		421-104-011 421-104-014			421-105-011 421-105-012
		421-104-017 421-104-018			421-105-020 421-105-021
		421-104-021 421-104-022			421-105-022 421-105-023
		421-104-023 421-104-025			421-105-024 421-105-025
		421-104-026 421-104-028			421-105-030 421-105-031
		421-104-040 421-104-042			421-105-032 421-105-033
		421-104-043 421-104-044			421-105-038 421-105-039
		421-104-045 421-104-046			421-105-040 421-105-041
		421-104-047			421-105-042 421-105-043
					421-105-044 421-105-045
					421-105-046 421-105-047
					421-105-050 421-105-051
					421-105-060 421-105-061
					421-105-062 421-105-080AC
					421-105-081AC 421-105-082AC
					421-105-083AC 421-105-084AC
					421-105-085AC 421-105-086AC
			421-105-002	2	Hot Standby DR 6/11-135A — TWT Amplifier Document Contents

Number	Issue	Subject	Number	Issue	Subject
■ 421-105-002AC	1	Solid-State Amplifier — DR6-135A NOTE: Provides binder, tabs, and the documents listed below.	■ 421-105-004AC	1	Solid-State Amplifier — DR6-135EC NOTE: Provides binder, tabs, and the documents listed below.
		421-102-003 421-105-004			421-102-003 421-105-008AC
		421-105-006AC 421-105-010			421-105-009 421-105-010
		421-105-011 421-105-012			421-105-011 421-105-012
		421-105-020 421-105-021			421-105-013 421-105-014
		421-105-022 421-105-023			421-105-019 421-105-020
		421-105-024 421-105-025			421-105-021 421-105-022
		421-105-028 421-105-029			421-105-023 421-105-024
		421-105-034 421-105-036			421-105-025 421-105-028
		421-105-037 421-105-038			421-105-029 421-105-035
		421-105-040 421-105-041			421-105-036 421-105-037
		421-105-042 421-105-043			421-105-038 421-105-042
		421-105-044 421-105-045			421-105-043 421-105-044
		421-105-046 421-105-047			421-105-045 421-105-046
		421-105-049 421-105-051			421-105-047 421-105-049
		421-105-060 421-105-062			421-105-060 421-105-062
		421-105-063 421-105-080AC			421-105-063 421-105-080AC
		421-105-081AC 421-105-082AC			421-105-081AC 421-105-083AC
		421-105-083AC 421-105-085AC			421-105-086AC 421-105-087AC
		421-105-086AC 421-105-088AC			421-105-088AC 421-105-089AC
■ 421-105-003AC	1	TWT Amplifier — DR6/11-135EC NOTE: Provides binder, tabs, and the documents listed below.	421-105-005	2	Document Contents List for AT&T 421-105-090
		421-102-003 421-105-007AC	■ 421-105-005AC	2	Document Contents List for AT&T 421-105-001AC
		421-105-009 421-105-010	421-105-006	2	Document Contents List for AT&T 421-105-080
		421-105-011 421-105-012	■ 421-105-006AC	1	Document Contents List for AT&T 421-105-002AC
		421-105-013 421-105-014	421-105-007	2	Document Contents List for AT&T 421-105-100
		421-105-018 421-105-019	■ 421-105-007AC	2	Document Contents List for AT&T 421-105-003AC
		421-105-020 421-105-021	■ 421-105-008AC	2	Document Contents List for AT&T 421-105-004AC
		421-105-022 421-105-023	421-105-009	2	System Operations — 135EC
		421-105-024 421-105-025			
		421-105-030 421-105-031			
		421-105-032 421-105-033			
		421-105-038 421-105-039			
		421-105-042 421-105-043			
		421-105-044 421-105-045			
		421-105-046 421-105-047			
		421-105-060 421-105-061			
		421-105-062 421-105-080AC			
		421-105-081AC 421-105-083AC			
		421-105-084AC 421-105-086AC			
		421-105-087AC 421-105-089AC			
421-105-004	2	System Operations — 135A Hot Standby			

**Maintenance**

421-105-010	1	Introduction
421-105-011	2	Station Alarm Trouble Isolation
421-105-012	1	Service Protection
421-105-013	1	Terminal Trouble Isolation — 135EC
421-105-014	1	DC Power Alarm — 135EC
421-105-018	2	Repair Verification — 135EC — TWT Amplifier

Number	Issue	Subject	Number	Issue	Subject
421-105-019	2	Annual FCC Tests — 135EC (9-94)	421-105-051	2	Annual FCC Tests — 135A (9-94)
421-105-020	1	Radio Receiver Trouble Isolation	<b>Replacement Procedures</b>		
421-105-021	1	RF Preamp Alarm	421-105-060	1	Radio Receiver
421-105-022	2	DC Power Diagnosis	421-105-061	2	Radio Transmitter — TWT Amplifier
421-105-023	2	Generator Oven Alarm	421-105-062	1	Terminal
421-105-024	2	IF Amplifier Alarm	421-105-063	2	Radio Transmitter — Solid-State Amplifier
421-105-025	2	Adaptive Equalizer Alarm	<b>Tests and Adjustments</b>		
421-105-026	1	Station Procedures — 135EC	421-105-070	1	Test Equipment and Accessories
421-105-027	1	Terminal Procedures — 135EC	421-105-071	1	Station Procedures — 135A
Addendum	1		421-105-072	2	Radio Receiver Procedures
421-105-028	1	Radio Transmitter Trouble Isolation — Solid-State Amplifier	Addendum	1	
421-105-029	1	Generator Oven Alarm — Solid-State Amplifier	421-105-073	2	Radio Transmitter Procedures — TWT Amplifier
421-105-030	1	Radio Transmitter Trouble Isolation — TWT Amplifier	421-105-074	1	Terminal Procedures — 135A
421-105-031	2	DC Power Diagnosis — TWT Amplifier	Addendum	1	
421-105-032	1	Generator Oven Alarm — TWT Amplifier	421-105-075	1	Glossary
421-105-033	2	RF Power Alarm — TWT Amplifier	421-105-076	2	Radio Transmitter Procedures — Solid-State Amplifier
421-105-034	2	Repair Verification — 135A — Solid-State Amplifier	421-105-080	1	Solid-State Amplifier — DR6-135A
421-105-035	2	Repair Verification — 135EC — Solid-State Amplifier	NOTE: Provides binder, tabs, and the documents listed below.		
421-105-036	2	DC Power Diagnosis — Solid-State Amplifier	421-102-003		421-105-004
421-105-037	1	RF Power Alarm — Solid-State Amplifier	421-105-006		421-105-010
421-105-038	2	Receiver Subroutines	421-105-011		421-105-012
421-105-039	2	Transmitter Subroutines — TWT Amplifier	421-105-020		421-105-021
421-105-040	1	Terminal Trouble Isolation — 135A	421-105-022		421-105-023
421-105-041	1	DC Power Alarm — 135AC	421-105-024		421-105-025
421-105-042	2	Fan Fail Alarm	421-105-028		421-105-029
421-105-043	1	Control System Alarm	421-105-034		421-105-036
421-105-044	1	Digital Receiver Alarm	421-105-037		421-105-038
421-105-045	1	Digital Transmitter Alarm	421-105-040		421-105-041
421-105-046	2	Excess Alarm	421-105-042		421-105-043
421-105-047	1	Signaling Fail Alarm	421-105-044		421-105-045
421-105-049	2	Transmitter Subroutines — Solid-State Amplifier	421-105-046		421-105-047
421-105-050	2	Repair Verification — 135A — TWT Amplifier	421-105-049		421-105-051
			421-105-060		421-105-062
			421-105-063		421-105-070
			421-105-071		421-105-072
			421-105-074		421-105-075
			421-105-076		
			■ 421-105-080AC	1	Test Equipment and Accessories
			■ 421-105-081AC	1	ME645A MRTS (Microwave Radio Test Set)

Number	Issue	Subject	Number	Issue	Subject
■ 421-105-082AC	1	Station Procedures — 135A			421-105-047 421-105-049
■ 421-105-083AC	2	Radio Receiver Procedures			421-105-060 421-105-062
■ Addendum AC	1				421-105-063 421-105-070
■ 421-105-084AC	2	Radio Transmitter Procedures — TWT Amplifier			421-105-072 421-105-075
■ 421-105-085AC	1	Terminal Procedures — 135A			421-105-076
■ 421-105-086AC	1	Glossary	<b>421-106 Hot Standby — Operation and Maintenance — Regenerator Station</b>		
■ 421-105-087AC	1	Station Procedures — 135EC	421-106-001	1	TWT Amplifier — DR6/11-135A
■ 421-105-088AC	2	Radio Transmitter Procedures — Solid- State Amplifier			NOTE: Provides binder, tabs, and the documents listed below.
■ 421-105-089AC	1	Terminal Procedures — 135EC			421-105-020 421-105-021
421-105-090	1	TWT Amplifier — DR6/11-135EC NOTE: Provides binder, tabs, and the documents listed below.			421-105-022 421-105-023
		421-105-005 421-102-003			421-105-024 421-105-025
		421-105-009 421-105-010			421-105-030 421-105-031
		421-105-011 421-105-012			421-105-032 421-105-033
		421-105-013 421-105-014			421-105-038 421-105-039
		421-105-018 421-105-019			421-105-042 421-105-047
		421-105-020 421-105-021			421-105-060 421-105-061
		421-105-022 421-105-023			421-105-070 421-105-072
		421-105-024 421-105-025			421-105-073 421-105-075
		421-105-026 421-105-027			421-106-002 421-102-003
		421-105-030 421-105-031			421-106-004 421-106-010
		421-105-032 421-105-033			421-106-011 421-106-012
		421-105-038 421-105-039			421-106-040 421-106-041
		421-105-042 421-105-043			421-106-043 421-106-044
		421-105-044 421-105-045			421-106-045 421-106-046
		421-105-046 421-105-047			421-106-050 421-106-051
		421-105-060 421-105-061			421-106-062 421-106-071
		421-105-062 421-105-070			421-106-074
		421-105-072 421-105-073	■ 421-106-001AC	1	TWT Amplifier — DR6/11-135A
		421-105-075			NOTE: Provides binder, tabs, and the documents listed below.
421-105-100	1	Solid-State Amplifier — DR6- 135EC NOTE: Provides binder, tabs, and the documents listed below.			421-105-020 421-105-021
		421-105-007 421-102-003			421-105-022 421-105-023
		421-105-009 421-105-010			421-105-024 421-105-025
		421-105-011 421-105-012			421-105-030 421-105-031
		421-105-013 421-105-014			421-105-032 421-105-033
		421-105-019 421-105-020			421-105-038 421-105-039
		421-105-021 421-105-022			421-105-042 421-105-047
		421-105-023 421-105-024			421-105-060 421-105-061
		421-105-025 421-105-026			421-105-080AC 421-105-081AC
		421-105-027 421-105-028			421-105-083AC 421-105-084AC
		421-105-029 421-105-035			421-105-086AC 421-102-003
		421-105-036 421-105-037			421-106-004 421-106-005AC
		421-105-038 421-105-042			421-106-010 421-106-011
		421-105-043 421-105-044			421-106-012 421-106-040
		421-105-045 421-105-046			421-106-041 421-106-043
					421-106-044 421-106-045
					421-106-046 421-106-050
					421-106-051 421-106-062

Number	Issue	Subject	Number	Issue	Subject
		421-106-082AC 421-106-085AC	421-106-004	2	System Operations
421-106-002	2	Document Contents List for AT&T 421-106-001	■ 421-106-004AC	1	Solid-State Amplifier — DR6-135EC NOTE: Provides binder, tabs, and the documents listed below.
■ 421-106-002AC	1	Solid-State Amplifier — DR6-135A NOTE: Provides binder, tabs, and the documents listed below.			421-102-003 421-105-022 421-105-023 421-105-024 421-105-025 421-105-028 421-105-029 421-105-036 421-105-037 421-105-038 421-105-042 421-105-047 421-105-049 421-105-060 421-105-063 421-105-080AC 421-105-081AC 421-105-083AC 421-105-086AC 421-105-088AC 421-105-004 421-106-008AC 421-106-010 421-106-011 421-106-012 421-106-040 421-106-041 421-106-043 421-106-044 421-106-045 421-106-046 421-106-051 421-106-052 421-106-062 421-106-086AC 421-106-087AC
■ 421-106-003AC	1	TWT Amplifier — DR6/11-135EC NOTE: Provides binder, tabs, and the documents listed below.	421-106-005	2	Document Contents List for AT&T 421-106-020
		421-102-003 421-105-020 421-105-021 421-105-022 421-105-023 421-105-024 421-105-035 421-105-030 421-105-031 421-105-032 421-105-033 421-105-038 421-105-039 421-105-042 421-105-047 421-105-060 421-105-061 421-105-080AC 421-105-081AC 421-105-083AC 421-105-084AC 421-106-086AC 421-106-004 421-106-007AC 421-106-010 421-106-011 421-106-012 421-106-040 421-106-041 421-106-043 421-106-044 421-106-045 421-106-046 421-106-050 421-106-051 421-106-062 421-106-086AC 421-106-087AC	■ 421-106-005AC	2	Document Contents List for AT&T 421-106-001AC
			421-106-006	2	Document Contents List for AT&T 421-106-030
			■ 421-106-006AC	2	Document Contents List for AT&T 421-106-002AC
			421-106-007	2	Document Contents List for AT&T 421-106-060
			■ 421-106-007AC	2	Document Contents List for AT&T 421-106-003AC
			■ 421-106-008AC	2	Document Contents List for AT&T 421-106-004AC
<b>Maintenance</b>					
			421-106-010	1	Introduction
			Addendum	1	
			421-106-011	2	Station Alarm Trouble Isolation
			421-106-012	1	Service Protection
			421-106-020	1	Solid-State Amplifier — DR6-135A NOTE: Provides binder, tabs, and the documents listed below.
					421-105-020 421-105-021 421-105-022 421-105-023





Number	Issue	Subject	Number	Issue	Subject
		421-109-005AC 421-109-006AC	■ 421-109-007AC	1	Nominal Radio Power Levels
		421-109-007AC 421-109-008AC	421-109-007	1	Nominal Radio Power Levels
		421-109-009AC 421-109-010AC	<b>Hop Tests</b>		
		421-109-011AC 421-109-012AC	■ 421-109-008AC	2	Hop Tests
		421-109-013AC 421-109-014AC	421-109-008	1	Hop Tests
		421-109-015AC 421-109-016AC	■ 421-109-009AC	1	RSL and Down-Converter Output Check
		421-109-017AC 421-109-018AC	421-109-009	1	RSL and Down Converter Output
		421-109-019AC 421-109-020AC	■ 421-109-010AC	1	Adaptive Slope Equalizer — Manual and Automatic Mode Adjustment
		421-109-022AC 421-109-026AC	421-109-010	1	ASE Man/Auto Adjustments
		421-109-027AC 421-109-028AC	■ Addendum AC	1	
		421-109-029AC 421-109-030AC	■ 421-109-011AC	1	DR6/11-135 Radio Transmitter Alignment Procedure
		421-109-031AC 421-109-032AC	421-109-011	1	Radio Transmitter Alignment
		421-109-033AC 421-109-034AC	■ 421-109-012AC	1	Radio Transmission Tests
		421-109-035AC 421-109-036AC	421-109-012	1	Radio Transmission Tests
		421-109-037AC 421-109-038AC	■ 421-109-013AC	1	Differential Absolute Delay Equalization
421-109-000	1	Turnup Procedures — DR-6/11-135A NOTE: Provides binder, tabs, and the documents listed below.	421-109-013	1	DADE Tests
		421-109-001 421-109-002	■ 421-109-014AC	1	Receiver IF Adjustments
		421-109-003 421-109-004	421-109-014	1	RCVR IF Adjustments
		421-109-005 421-109-006	■ 421-109-015AC	1	Digital Transmission Test
		421-109-007 421-109-008	421-109-015	1	Digital Transmission Tests
		421-109-009 421-109-010	<b>Hop Performance Tests</b>		
		421-109-011 421-109-012	■ 421-109-016AC	1	Hop Performance Tests
		421-109-013 421-109-014	421-109-016	1	Hop Performance Tests
		421-109-015 421-109-016	■ 421-109-017AC	1	Over-the-Air S/I Stress Check
		421-109-017 421-109-018	421-109-017	1	Over The Air S/I Stress Check
		421-109-019 421-109-020	■ 421-109-018AC	1	Over-the-Air Propagation Distortion Performance Check
		421-109-022 421-109-026	421-109-018	1	Over The Air Propagation Performance
		421-109-027 421-109-028	■ 421-109-019AC	1	Combiner Performance Test
		421-109-029 421-109-030	421-109-019	1	Combiner Performance
		421-109-031 421-109-032	■ 421-109-020AC	1	Fade Margin and Interference Tests
		421-109-033 421-109-034	421-109-020	1	Fade Margin And Interference
		421-109-035 421-109-038	<b>Alarm Tests</b>		
■ 421-109-001AC	3	Document Contents	■ 421-109-022AC	1	Order-Wire Tests
421-109-001	1	Document Contents	421-109-022	1	Order Wire Tests
■ 421-109-002AC	2	Document Introduction			
421-109-002	1	Document Introduction			
■ 421-109-003AC	1	Initial Bay Checks			
421-109-003	1	Initial Bay Checks			
■ Addendum AC	1				
■ 421-109-004AC	2	Terminal Bay Initial Checks			
421-109-004	1	Terminal Bay Initial Checks			
■ 421-109-005AC	2	Regenerator Bay Initial Checks			
421-109-005	1	Regenerator Bay Initial Checks			
■ 421-109-006AC	2	Radio Bay Initial Checks			
421-109-006	2	Radio Bay Initial Checks			

Number	Issue	Subject	Number	Issue	Subject
<b>Switch Section Tests</b>			■ Supplement	1	Supplement to 421-109-054. HP11758T DRTS Supplement Package.
■ 421-109-026AC	1	Switch Section Tests	421-109-054	1	Digital Regenerator
421-109-026	1	Switch Section Tests	■ Supplement	1	Supplement to 421-109-055. HP11758T DRTS Supplement Package.
■ 421-109-027AC	1	DS3-to-DS3 Performance Tests	421-109-055	1	Radio Transmitter/Receiver
421-109-027	1	DS3-DS3 Performance	■ Supplement	1	Supplement to 421-109-056. HP11758T DRTS Supplement Package.
421-109-028	1	Error Correction Test	■ 421-109-056	1	Hop Alignment Tests
■ 421-109-028AC	2	Error Correction Test (11-93)	■ Supplement	1	Supplement to 421-109-057. HP11758T DRTS Supplement Package.
421-109-029	1	Terminal Switching Tests	421-109-057	1	Hop Performance Tests
■ 421-109-029AC	1	Terminal Switching Tests	421-109-058	1	Alarm Verification Tests
421-109-030	1	Regenerator Switching Tests	421-109-059	1	Switch Section Performance Tests
■ 421-109-030AC	1	Regenerator Switching Tests	421-109-060	1	Channel Growth
<b>Special Sections</b>			<b>421-2 DR6/11-90A, DR6/11-135, and FR6 Microwave Radio Systems</b>		
421-109-031	1	Test Equipment	<b>Digital Radio</b>		
■ 421-109-031AC	1	Test Equipment and Accessories	421-200-130	3	90A Line Terminating Bay and Digital Regenerator Bay — Equipment Description — DR6-30-90/DR11-40-90 Digital System
421-109-032	2	Glossary (3-89)	421-200-131	3	90A Line Terminating Bay and Digital Regenerator Bay — Functional Description — DR6-30-90/DR11-40-90 Digital System
■ 421-109-032AC	1	Glossary for AT&T 421-109-000AC	421-200-132	3	DR6-30-90/DR11-40-90 Digital System — Preparation for Service
421-109-033	1	Growth	421-200-133	3	DR6-30 Radio — Description — DR6-30/DR11-40 Digital System
■ 421-109-033AC	1	Growth	421-200-134	3	DR11-40 Radio Bay — Description — DR6-30/DR11-40 Digital System
421-109-034	1	Telemetry Tests	421-200-135	3	DR6-30/DR11-40 Digital System — System Description and Operation
■ 421-109-034AC	1	Telemetry Tests	421-200-136	2	DR6-30-90/DR11-40-90 Digital System — Hot Standby — System Trouble Clearing
421-109-035	1	TBOS Verification			
■ 421-109-035AC	1	TBOS Verification			
■ 421-109-036AC	1	PC Based Telemetry Acceptance Tests			
■ 421-109-037AC	1	SCOTS/FMAS Acceptance Tests			
421-109-038	1	ITU/Annual Log			
■ 421-109-038AC	1	ITU/Annual Log			
421-109-050	1	1 X N Frequency Diversity — Turnup Procedures — 135EC NOTE: Provides binder, tabs, and the documents listed below.			
		421-102-070	421-109-032		
		421-109-051	421-109-052		
		421-109-053	421-109-054		
		421-109-055	421-109-056		
		421-109-057	421-109-058		
		421-109-059	421-109-060		
421-109-051	1	Introduction			
421-109-052	1	Radio Transmitter/Receiver			
■ Supplement	1	Supplement to 421-109-053. HP11758T DRTS Supplement Package.			
421-109-053	1	Digital Terminal			

Number	Issue	Subject
421-200-137	3	DR6-30/DR11-40 Digital System — Hot Standby — Bay Test and Trouble Clearing
421-200-138	2	DR6-30-90/DR11-40-90 Digital System — Frequency Diversity — System Trouble Clearing
421-200-139	3	DR6-30-90/DR11-40-90 Digital System — Frequency Diversity — Bay Test and Trouble Clearing
421-200-140	3	90A Line Terminating Bay and Digital Regenerator Bay — Application Engineering — DR6-30-135/DR11-40-135 Digital System
421-200-141	3	DR6-30/DR11-40 Digital System — System Application Engineering
421-200-142	2	DR6-30 Radio — Bay Application Engineering
421-200-143	2	DR11-40 Radio — Bay Application Engineering
421-200-144	1	J98745B Transversal Equalizer Bay — Description — DR6-30/DR11-40 Digital System
421-200-145	1	DR6-30/DR11-40 Digital System — Hot Standby — Bay Tests and Trouble-Clearing Procedures Using the J68428A Test Set and HP-435B or HP-436A Power Meter
421-200-146	1	DR6-30/DR11-40 Digital System — Frequency Diversity — Bay Tests and Trouble Clearing Using the J68428A Test Set and HP-435B or HP-436A Power Meter
421-200-150	1	Serial-to-Parallel Alarm Converter — Description, Operations, and Maintenance
421-200-160	1	DR6-30-90A1 Digital Radio Bay — Description and Application Engineering NOTE: Provides binder, tabs, and the documents listed below.
		421-200-161 421-200-162 421-200-163
421-200-161	1	DR6-30-90A1 Digital Radio Bay — Equipment Description
421-200-162	1	DR6-30-90A1 Digital Radio Bay — Application

Number	Issue	Subject
421-200-163	1	DR6-30-90A1 Digital Radio Bay — Bay Test and Trouble Clearing
<b>FM Radio</b>		
421-200-190	4	FR6-30 Radio Bay — Equipment Description
421-200-191	4	FR6-30 Radio Bay — Functional Description
421-200-192	3	FR6-30 Radio Bay — Operations
421-200-193	3	FR6-30 Radio Bay — Tests and Measurements
421-200-194	3	FR6-30 Radio Bay — Trouble Clearing
421-200-195	2	FR6-30 FM Radio System — Description, Operation, Test and Measurement Trouble Clearing
421-200-200	3	FR6-30 Radio — Bay Application Engineering
421-200-201	3	FR6-30 Radio — System Application Engineering

**421-3 International Digital Radio Systems**

**421-300 DR6/DR11 Digital Radio**

421-300-102	4	Maintenance Support
421-300-103	4	Operation and Maintenance — Terminal Station
421-300-104	4	Operation and Maintenance — Regeneration
421-300-105	2	Alarm Center Operation
421-300-110	4	Installation and Test Manual — DR6
421-300-111	2	Installation and Test Manual — DR11

**421-4 NDR (Network Distribution Radio)**

**421-400 General**

421-400-030	1	Sales Kit
■ 421-400-040	1	Sales Slide Presentation
■ 421-400-040AI	1	Sales Slide Presentation (International)
421-400-050	1	Planning Guide

Number	Issue	Subject
<b>421-401 LC Series Digital Microwave Radio</b>		
421-401-020	1	LC Series Domestic Product Description
421-401-020AI	1	LS Series International Product Description
<b>421-402 M Series Digital Microwave Radio</b>		
421-402-020	1	Product Description
421-402-020AI	1	Product Description (International)
421-402-030	1	Fiber Optic Terminal Product Description NDR (Network Distribution Radio)
421-402-100	1	Installation, Operation, and Maintenance
<b>421-404 W Series Digital Microwave Radio</b>		
421-404-020	1	Product Description
421-404-020AI	1	Product Description (International)
421-404-100	1	Installation, Operation, and Maintenance

**Division 422**

**Common Microwave Radio Transmission Systems**

**422-0 Index**

**422-1 TSS-R (Transmission Surveillance Systems — Radio)**

**422-2 Switched Section System Tests**

**422-3 Microwave Radio Overall System Tests**

**422-4 Transmitter-Receiver Bay**

**422-5 DR and TD Microwave Radio**

- 500 TD and AR6A Microwave Radio
- 501 TD-45A Digital Radio
- 502 TD-90 Digital Radio — Operation and Maintenance
- 503 Protection Switching System Interface
- 504 DR 4-20-90G Digital Radio

**422-6 Pulse Monitors**

- 600 Violation Pulse Monitors

Number	Issue	Subject
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**422-0 Index**

422-000-000	56	Numerical Index — Division 422 — Common Microwave Radio — Transmission Systems (2-95)
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**422-1 TSS-R (Transmission Surveillance Systems—Radio)**

422-100-100	1	Description
422-100-101	1	Operation Procedures
■ 422-100-101AC	1	Operation Procedures
422-100-102	1	User's Guide
422-100-103	1	Measurement System — Operation and Maintenance Guide
422-100-104	1	Transmission Surveillance System — Radio Data Base Preparation and Maintenance

Number	Issue	Subject
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422-100-105	1	Distribution Bay — Operation and Maintenance Radio
■ 422-100-105AC	1	Distribution Bay — Operation and Maintenance
422-100-110	1	P QUARK — (Programmable Quantizer, Analyzer, and Record Keeper) — Description

**422-2 Switched Section System Tests**

422-200-501	1	In-Service Manual
■ Addendum	2	
422-210-500	3	TD and TH Switch-Section Tests — SCIENTIFIC-ATLANTA* Radio Performance Analyzer
422-211-500	1	Short-Haul Radio — Out-of-Service Systems Tests — Scientific-Atlanta Radio Performance Analyzers

**422-3 Microwave Radio Overall System Tests**

Addendum	1	
422-300-500	4	Envelope Delay Distortion — Overall TD System Test
Addendum	1	
422-300-512	2	Overall TD and TH System — Fade Margin Tests

**422-4 Transmitter-Receiver Bay**

■ Addendum AC	2	
■ 422-400-500AC	1	TD-2 and TD-3 Tests — ANRITSU† ME645A Microwave Radio Test Set
422-400-504	2	TD and TH-3 — Receiver Tests and Adjustments — J68330Y IF Amplitude Equalizer-Amplifier
■ 422-400-510AC	1	Equipment Manual for MDP-45MB-15B — 8 PH PSK Modulator Demodulator

\* SCIENTIFIC-ATLANTA is a registered trademark of Scientific-Atlanta, Inc.

† ANRITSU is a registered trademark of Anritsu Dabushiki Kaisha

Number	Issue	Subject	Number	Issue	Subject
422-400-600	1	TH-1 Tests — Anritsu ME645A Microwave Radio Test Set	■ 422-502-120AC	3	System Description
422-400-650	1	TH-3 Tests — Anritsu ME645A Microwave Radio Test Set	■ Addendum AC	1	
422-400-700	1	Narrowband Microwave Radio Auxiliary Channel — KS-20098/KTR-4A — Anritsu ME645A Microwave Radio Test Set (MRTS) — Maintenance	■ 422-502-130AC	2	Maintenance Philosophy and Provisions
			■ 422-502-140AC	2	Route Qualification Process
			■ Addendum AC	2	
			■ 422-502-150AC	2	Route Engineering Guidelines
			■ 422-502-160AC	2	System Application Information
			■ 422-502-170AC	2	DR4 — Equipment Ordering Information
			■ 422-502-180AC	2	Recommended Test Equipment and Spare Equipment Information
			■ 422-502-190AC	2	Document References
<b>422-5 DR and TD Microwave Radio Systems</b>					
<b>422-500 TD and AR6A Microwave Radio</b>					
<b>422-501 TD-45A Digital Radio</b>					
422-501-100	3	Overall System Description			
422-501-101	1	Maintenance Plan			
422-501-102	2	Switch Section Test — Preservice Implementation			
422-501-103	1	Application Engineering			
422-501-104	3	Line Terminating System — Description, Operation, and Maintenance			
422-501-105	1	100A-45A Interface Circuits — Application			
422-501-106	1	400-45A Interface Circuits — Application			
422-501-107	1	Trouble Clearing			
422-501-109	1	System Tests — ME645A Microwave Radio Test Set			
422-501-110	1	45A Line Terminating System — Performance Requirements			
<b>422-502 TD-90 Digital Radio — Planning, Engineering, Operation, and Maintenance</b>					
<b>Planning and Engineering — Operation</b>					
■ 422-502-100AC	1	Planning and Engineering NOTE: Provides binder, tabs, and documents listed:  422-502-105AC 422-502-110AC 422-502-120AC 422-502-130AC 422-502-140AC 422-502-150AC 422-502-160AC 422-502-170AC 422-502-180AC 422-502-190AC			
■ 422-502-105AC	3	Introduction			
■ 422-502-110AC	2	Digital Radio Fundamentals			
<b>FMAC (Facility Maintenance and Administration Center)</b>					
■ 422-502-200AC	1	Preservice Implementation NOTE: Provides binder, tabs, and the documents listed:  422-502-210AC 422-502-220AC 422-502-230AC 422-502-240AC 422-502-250AC 422-502-260AC 422-502-270AC 422-502-280AC 422-502-290AC			
■ Addendum AC	1				
■ 422-502-210AC	2	Document Introduction			
■ Addendum AC	1				
■ 422-502-220AC	2	90C Terminal Digital Preservice Checks			
■ 422-502-230AC	2	90C Regenerator Digital Preservice Checks			
■ 422-502-240AC	3	Radio Bay Preservice Checks			
■ 422-502-250AC	2	Radio Channel Preservice Checks			
■ 422-502-260AC	2	Digital Channel Performance Checks			
■ 422-502-270AC	2	Terminal and Regenerator Preservice Operation Checks			
■ 422-502-280AC	2	Digital Monitoring Receiver Bay Preservice Checks			
■ 422-502-290AC	2	Performance Monitoring and Fault Location Checks			

Number	Issue	Subject	Number	Issue	Subject
<b>Terminal Station</b>					
■ 422-502-300AC	1	Terminal Station NOTE: Provides binder, tabs, and the documents listed:  422-502-302AC 422-502-303AC 422-502-304AC 422-502-310AC 422-502-311AC 422-502-312AC 422-502-315AC	■ 422-502-360AC	1	Radio — Replacement Pro- cedures
■ 422-502-302AC	2	Document Contents List	■ Addendum AC	1	
■ 422-502-303AC	3	Document Introduction	■ 422-502-361AC	1	Terminal — Replacement Pro- cedures
■ 422-502-304AC	2	System Operations	■ 422-502-370AC	2	Test Equipment and Accessories
■ 422-502-310AC	2	Maintenance	■ 422-502-371AC	1	ME645A Performance Tests
■ 422-502-311AC	2	Station Alarm Trouble Isolation	■ 422-502-372AC	3	Station Test and Adjustment Pro- cedures
■ 422-502-312AC	1	Service Protection	■ Addendum AC	2	
■ 422-502-315AC	1	Radio Trouble Isolation	■ 422-502-373AC	3	Radio Test and Adjustment Pro- cedures
■ 422-502-316AC	1	Transmitter Power Control — Low Transmitter Power Alarm	■ Addendum AC	2	
■ 422-502-317AC	1	Transmitter Power Control — Discriminator Failed Alarm	■ 422-502-374AC	2	Test and Adjustment Procedures
■ 422-502-318AC	1	Transmitter Power Control — De- viator Failed Alarm	■ Addendum AC	1	
■ 422-502-319AC	1	Transmitter Generator Lock Alarm — Microwave Generator	■ 422-502-380AC	1	Glossary
■ 422-502-320AC	1	Transmitter Generator Loss of Lock Alarm — Microwave Gen- erator	<b>Repeater Station/DMR (Digital Monitoring Receiver)</b>		
■ 422-502-321AC	1	RF Preampifier Alarm	■ 422-502-400AC	1	Repeater Station/DMR NOTE: Provides binder, tabs, and the documents listed:  422-502-402AC 422-502-404AC 422-502-404AC 422-502-410AC 422-502-411AC 422-502-412AC 422-502-415AC 422-502-416AC 422-502-417AC 422-502-418AC 422-502-419AC 422-502-420AC 422-502-421AC 422-502-422AC 422-502-423AC 422-502-440AC 422-502-441AC 422-502-442AC 422-502-443AC 422-502-450AC 422-502-451AC 422-502-460AC 422-502-461AC 422-502-470AC 422-502-471AC 422-502-472AC 422-502-473AC 422-502-474AC 422-502-480AC
■ 422-502-322AC	1	Space Diversity Alarm	■ 422-502-402AC	2	Document Contents List
■ 422-502-323AC	1	Sloper Disabled Alarm	■ 422-502-403AC	3	Document Introduction
■ 422-502-324AC	2	Interference Canceler #1/#2 Failed Alarm	■ 422-502-404AC	1	System Operations
■ 422-502-325AC	1	Receiving Generator Lock Alarm	■ 422-502-410AC	2	Maintenance
■ 422-502-326AC	1	Receiving Generator Loss of Lock Alarm	■ 422-502-411AC	2	Station Alarm Trouble Isolation
■ 422-502-340AC	1	Line Terminal Trouble Isolation	■ 422-502-412AC	1	Service Protection
■ 422-502-341AC	2	DC Power Alarm	■ 422-502-415AC	1	Radio Trouble Isolation
■ 422-502-342AC	1	Fan Failure Alarm	■ 422-502-416AC	1	Transmitter Power Control — Low Power Alarm
■ 422-502-343AC	2	Control System Alarm	■ 422-502-417AC	1	Transmitter Power Control — Discriminator Failed Alarm
■ 422-502-344AC	2	Digital Receiver Alarm			
■ 422-502-345AC	1	Digital Transmitter Alarm			
■ 422-502-346AC	1	Excess Alarm			
■ 422-502-347AC	1	Signal Failure Alarm			
■ 422-502-350AC	2	Repair Verification			
■ 422-502-351AC	3	TD-90 Radio Operation and Maintenance Terminal Station Annual FCC Tests (9-94)			





Number	Issue	Subject
■ 422-502-561AC	1	Regenerator — Replacement Procedures
■ 422-502-570AC	2	Test Equipment and Accessories
■ 422-502-571AC	1	ME645A Performance Tests
■ 422-502-572AC	3	Station Test and Adjustment Procedures
■ 422-502-573AC	3	Radio Test and Adjustment Procedures
■ Addendum AC	2	
■ 422-502-574AC	2	Regenerator Test and Adjustment Procedures
■ Addendum AC	1	
■ 422-502-580AC	1	Glossary

**Maintenance Support**

■ 422-502-600AC	1	Maintenance Support NOTE: Provides binder, tabs, and the documents listed:  422-502-602AC 422-502-603AC 422-502-610AC 422-502-615AC 422-502-616AC 422-502-617AC 422-502-618AC 422-502-619AC 422-502-620AC 422-502-621AC 422-502-622AC 422-502-623AC 422-502-624AC 422-502-625AC 422-502-630AC 422-502-631AC 422-502-632AC 422-502-633AC 422-502-634AC 422-502-635AC 422-502-640AC 422-502-641AC 422-502-642AC 422-502-643AC 422-502-644AC 422-502-650AC 422-502-660AC 422-502-670AC 422-502-680AC
■ 422-502-602AC	2	Document Contents List
■ 422-502-603AC	2	Document Introduction
■ 422-502-610AC	2	System Performance Diagnostics
■ 422-502-615AC	3	General Tests
■ 422-502-616AC	1	Radio Transmission Tests (Amplitude and Delay)
■ 422-502-617AC	1	Radio Channel 70-MHz Frequency Check
■ 422-502-618AC	2	Three-Tone Linearity Check
■ 422-502-619AC	1	Fade Margin Check
■ 422-502-620AC	1	C/I Interference Check
■ 422-502-621AC	1	Phase-Plane Display Diagnosis
■ 422-502-622AC	1	Transmitter Power Control — Operation Checks

Number	Issue	Subject
■ 422-502-623AC	2	Continuous Performance Monitoring
■ 422-502-624AC	1	DS-3 to DS-3 Performance Check
■ 422-502-625AC	1	Receiver Error Correction Check
■ 422-502-626AC	1	Pseudo Error, CRC Error, and Frame Loss Event Monitoring
■ 422-502-630AC	2	General Description
■ 422-502-631AC	2	Terminal Description
■ 422-502-632AC	1	Regenerator Description
■ 422-502-633AC	1	Repeater/DMR (Digital Monitoring Receiver) Description
■ 422-502-634AC	1	Radio Description
■ Addendum AC	2	
■ 422-502-635AC	2	Circuit Packs Description
■ 422-502-640AC	2	General Equipment Identification
■ Addendum AC	2	
■ 422-502-641AC	2	Terminal Equipment Identification
■ Addendum AC	2	
■ 422-502-642AC	1	Regenerator Equipment Identification
■ 422-502-643AC	1	Repeater/DMR (Digital Monitoring Receiver) Equipment Identification
■ 422-502-644AC	1	Radio Bay Equipment Identification
■ Addendum AC	2	
■ 422-502-650AC	2	Controls, Jacks, Indications, and Options
■ 422-502-660AC	1	Special Replacement Procedures
■ 422-502-670AC	1	Route Diagrams
■ Addendum AC	1	
■ 422-502-680AC	1	Glossary

**FMAC (Facility Maintenance and Administration Center) — Operation**

■ 422-502-700AC	1	Service Monitoring NOTE: Provides binder, tabs, and the documents listed:  422-502-702AC 422-502-703AC 422-502-705AC 422-502-713AC 422-502-720AC 422-502-721AC 422-502-722AC 422-502-730AC 422-502-740AC 422-502-750AC 422-502-760AC 422-502-761AC 422-502-762AC 422-502-763AC 422-502-770AC 422-502-771AC 422-502-780AC
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Number	Issue	Subject	Number	Issue	Subject
■ 422-502-702AC	2	Document Contents List	■ 422-502-803AC	1	Operation and Maintenance — DR4-20-90 Radio Transmitter/Receiver — Document Introduction
■ 422-502-703AC	2	Document Introduction	■ Addendum AC	1	
■ 422-502-705AC	2	Maintenance Plan	■ 422-502-805AC	1	Operation and Maintenance — DR4-20-90 Radio Transmitter/Receiver — Equipment Verification
■ 422-502-710AC	2	Route Diagrams	■ 422-502-810AC	1	Operation and Maintenance DR4-20-90 Radio Transmitter/Receiver — Maintenance
■ 422-502-720AC	2	SCOTS (Surveillance and Control of Transmission Systems) — Alarm Analysis	■ 422-502-815AC	1	Operation and Maintenance — DR4-20-90 Radio Transmitter/Receiver — Radio Transmitter — Trouble Clearing
■ 422-502-721AC	2	FMAS (Facility Maintenance and Administration System) — Performance Analysis	■ 422-502-816AC	1	Operation and Maintenance — DR4-20-90 Radio Transmitter/Receiver — Radio Transmitter — Tests and Adjustments
■ 422-502-722AC	2	Nonalarm Trouble Analysis	■ 422-502-817AC	1	Operation and Maintenance — DR4-20-90 Radio Transmitter/Receiver — Radio Transmitter — Replacement Procedures
■ 422-502-730AC	2	Repair Verification and System Restoral	■ Addendum AC	1	
■ Addendum AC	1		■ 422-502-820AC	1	Operation and Maintenance — DR4-20-90 Radio Transmitter/Receiver Radio Receiver — Trouble Clearing
■ 422-502-740AC	2	FMAS Reports	■ 422-502-821AC	1	Operation and Maintenance — DR4-20-90 Radio Transmitter/Receiver — Radio Receiver — Test Adjustments
■ Addendum AC	1		■ Addendum AC	1	
■ 422-502-750AC	2	Scan Point Explanations	■ 422-502-822AC	1	Operation and Maintenance — DR4-20-90 Radio Transmitter/Receiver Radio Receiver — Replacement Procedures
■ Addendum AC	1		■ 422-502-830AC	2	DR4/TD-90 Digital Radio System — DR-20-90 Radio Transmitter/Receiver — Radio Repair Verification
■ 422-502-760AC	1	Terminal Station — Control Point Explanations	■ Addendum AC	1	
■ 422-502-761AC	2	Regenerator Station — Control Point Explanations	■ 422-502-835AC	1	Operation and Maintenance — DR4-20-90 Radio Transmitter/Receiver — Test Equipment and Accessories
■ 422-502-762AC	2	Repeater/DMR (Digital Monitoring Receiver) Station — Control Point Explanations			
■ 422-502-763AC	2	Radio Bay Stations — Control Point Explanations			
■ 422-502-770AC	2	Remote System Operations			
■ 422-502-771AC	2	SCOTS, Alarm/Control — Test Procedures			
■ 422-502-780AC	1	Glossary			
<b>Operation and Maintenance — DR4-20-90/TD90</b>					
■ 422-502-800AC	1	DR4-20-90 Radio Transmitter/Receiver NOTE: Provides binder, tabs, and the documents:  422-502-802AC 422-502-803AC 422-502-805AC 422-502-810AC 422-502-815AC 422-502-816AC 422-502-817AC 422-502-820AC 422-502-821AC 422-502-822AC 422-502-830AC 422-502-835AC 422-502-840AC 422-502-841AC 422-502-842AC	■ Addendum AC	1	
■ 422-502-802AC	1	Operation and Maintenance — DR4-20-90 Radio Transmitter/Receiver — Document Contents			

Number	Issue	Subject	Number	Issue	Subject
■ Addendum AC	1				422-504-101AC 422-504-120AC
■ 422-502-840AC	1	Operation and Maintenance — DR4-20-90 Radio Transmitter/Receiver — Hop Test			422-504-140AC 422-504-140AC
■ 422-502-841AC	1	DR4/TD-90 Digital Radio System — DR4-20-90 Radio Transmitter/Receiver — Radio Description	422-504-101	1	Introduction \m System Description and Application
■ Addendum AC	1		422-504-101AC	1	Introduction \m System Description and Application
■ 422-502-842AC	1	Operation and Maintenance DR4-20-90 Radio Transmitter/Receiver — Circuit Descriptions	■ 422-504-110	1	Digital Radio Fundamentals
			422-504-120	1	System Features and Specifications
			■ 422-504-120AC	1	System Features and Specifications
			422-504-130	1	System Description
			■ 422-504-130AC	1	System Description
			422-504-140	1	Maintenance Philosophy and Provisions
			■ 422-504-140AC	1	Maintenance Philosophy and Provisions
			422-504-150	1	System Operation
			■ 422-504-150AC	1	System Operation
			422-504-160	1	Route Engineering
			■ 422-504-160AC	1	Route Qualification and Engineering
			422-504-170	1	System Application
			■ 422-504-170AC	1	System Application
			422-504-180	1	Recommended Test Equipment and Sparing
			■ 422-504-180AC	1	Recommended Test Equipment and Sparing
			■ Addendum	1	DRTS Supplement
			■ 422-504-200	1	Turnup Procedures and Preservice Tests (9-92)
					NOTE: Provides binder, tabs, and the documents:
					422-504-211 422-504-212
					422-504-213 422-504-215
					422-504-220 422-504-230
					422-504-240 422-504-250
					422-504-260
			■ Addendum	1	DRTS supplement
			■ 422-504-200AC	1	Turnup Procedures and Preservice Tests
					NOTE: Provides binder, tabs, and the documents:
					422-504-211AC 422-504-212AC
					422-504-213AC 422-504-215AC
<b>422-504 DR4-20-90 and DR4-20-90G Digital Radio System</b>					
422-504-000	1	Installation Procedures NOTE: Provides binder, tabs, and the documents listed:			
		422-504-001 422-504-010			
		422-504-020 422-504-030			
		422-504-040 422-504-050			
		422-504-050			
422-504-001	1	Introduction			
422-504-010	1	General Installation Information			
422-504-020	1	Site Preparation			
422-504-030	1	Common Power Connections			
422-504-040	1	Terminal Station — Wiring and Cable			
422-504-050	1	Regeneration Station — Wiring and Cable			
422-504-060	1	Telemetry and Service Channel Wiring			
422-504-100	1	System Description and Application Engineering NOTE: Provides binder, tabs, and the documents:			
		422-504-101 422-504-110			
		422-504-120 422-504-130			
		422-504-140 422-504-150			
		422-504-160 422-504-170			
		422-504-180			
■ 422-504-100AC	1	System Description and Application Engineering NOTE: Provides binder, tabs, and the documents:			

Number	Issue	Subject	Number	Issue	Subject
		422-504-220AC 422-504-230AC 422-504-240AC 422-504-250AC 422-504-260AC 422-504-270AC	■ 422-504-240AC	1	Alarm Verification Tests
■ 422-504-201AC	1	Introduction	Revision 1	1/94	
Revision 1	1/94		Addendum	1	
422-504-211	1	Turnup Procedures and Preser- vice Tests — Radio Transmitter/Receiver (9-92)	422-504-250	1	Turnup Procedures and Preser- vice Tests — Switch Section Performance Tests (9-92)
■ Revision 1AC	1/94		■ 422-504-250AC	1	Switch Section Performance Tests
■ Addendum AC	1		Revision 1	7/94	
■ 422-504-211AC	1	Initial Tests — Radio Transmitter/Receiver	422-504-255	1	Turnup Procedures and Preser- vice Tests — For Systems Requiring FMAD (11-93)
422-504-212	2	Turnup Procedures and Preser- vice Tests — Digital Terminal (11-93)	■ 422-504-255AC	1	FMAS Acceptance Tests
■ 422-504-212AC	1	Initial Radio Transmitter/Receiver	Revision 1	1/94	
422-504-213	2	Turnup Procedures and Preser- vice Tests — Digital Regenerator	Addendum	1	
■ 422-504-213AC	1	Digital Regenerator Bay Initial Checks	422-504-260	1	Turnup Procedures and Preser- vice Tests — Channel Growth (9-92)
Revision 1	1/94		■ 422-504-260AC	1	Channel Growth
Addendum	1		■ 422-504-270AC	1	FMAS Applications
422-504-215	1	Turnup Procedures and Preser- vice Tests — Radio Transmitter/Receiver (9-92)	■ 422-504-299AC	1	Supp Page Turnup Procedures
■ 422-504-215AC	1	Final Tests — Radio Transmitter/Receiver	■ Addendum	1	DRTS Supplement
Revision 1	1/94		422-504-300	1	Operation and Maintenance — Terminal Station Manual (9-92) NOTE: Provides binder, tabs, and the documents listed:
Addendum	1				422-504-301 422-504-305
422-504-220	1	Turnup Procedures and Preser- vice Tests — Hop Alignment Tests (9-92)			422-504-310 422-504-315
■ 422-504-220AC	1	Hop Alignment Tests			422-504-320 422-504-330
Revision 1	1/94				422-504-331 422-504-332
Addendum	1				422-504-333 422-504-334
422-504-230	1	Turnup Procedures and Preser- vice Tests — Hop Performance Tests (9-92)			422-504-335 422-504-336
■ 422-504-230AC	1	Hop Performance Tests			422-504-337 422-504-338
Revision 1	1/94				422-504-339 422-504-339
Addendum	1				422-504-340 422-504-350
422-504-240	1	Turnup Procedures and Preser- vice Tests — Alarm Verification Tests (9-92)	■ Addendum AC	1	DRTS supplement
			■ 422-504-300AC	1	Operation and Maintenance — Terminal Station Manual NOTE: Provides binder, tabs, and the documents listed:
					422-504-300AC 422-504-301AC
					422-504-305AC 422-504-310
					422-504-315AC 422-504-320AC
					422-504-330AC 422-504-332AC
					422-504-333 422-504-334AC
					422-504-335AC 422-504-336

Number	Issue	Subject	Number	Issue	Subject
		422-504-337AC 422-504-338AC 422-504-339AC 422-504-340AC 422-504-359AC 422-504-364AC 422-504-370AC	422-504-337	1	Radio Transmitter Trouble Clearing
422-504-301	1	Radio Transmitter Trouble Clearing	■ 422-504-337AC	1	Radio Transmitter — Trouble Clearing
■ 422-504-301AC	1	Introduction	Revision 1	1/94	
422-504-305	2	DR4-20-90G Digital Radio System Operation and Maintenance Terminal Station Annual FCC Tests (9-94)	Addendum	1	
■ 422-504-305AC	2	DR4-20-90G Digital Radio System Operation and Maintenance Terminal Station Annual FCC Tests (9-94)	422-504-338	1	Operation and Maintenance — Radio Transmitter Test Procedures (9-92)
Revision 1	1/94		■ 422-504-338AC	1	Radio Transmitter — Test Procedures
422-504-310	1	Operation	422-504-339	1	Radio Transmitter Replacement Procedures
Revision 1	1/94		■ 422-504-339AC	1	Radio Transmitter — Replacement Procedures
422-504-315	1	Equipment Identification	Revision 1	1/94	
■ 422-504-315AC	1	Equipment Identification	Addendum	1	
422-504-320	1	Maintenance	422-504-340	1	Operation and Maintenance — Hop Performance Tests (9-92)
■ 422-504-320AC	1	Maintenance	■ 422-504-340AC	1	HOP Performance Test
422-504-330	1	Station Trouble Diagnosis	422-504-350	1	Repair Verification
■ 422-504-330AC	1	Station Trouble Diagnosis	■ 422-504-350AC	1	Repair Verification
422-504-331	1	Terminal Trouble Clearing	422-504-360	1	Test Equipment and Accessories
■ 422-504-331AC	1	Terminal Trouble Clearing	■ 422-504-360AC	1	Test Equipment and Accessories
Revision 1	1/94		■ Appendix 1	1	ME645A MRTS (Microwave Radio Test Set)
Addendum	1		422-504-370	1	Test Equipment and Accessories
422-504-332	1	Operation and Maintenance Terminal Station — Terminal Test Procedures (9-92)	■ 422-504-370AC	1	System Glossary
■ 422-504-332AC	1	Terminal Test Procedures	■ Addendum	1	DRTS Supplement
422-504-333	1	Terminal Replacement Procedures	422-504-400	1	Operation and Maintenance, Regenerator Station (9-92) NOTE: Provides binder, tabs, and the documents listed:
422-504-334	1	Radio Receiver Trouble Clearing	422-504-401	422-504-405	
■ 422-504-334AC	1	Radio Receiver — Trouble Clearing	422-504-410	422-504-415	
Revision 1	1/94		422-504-420	422-504-430	
Addendum	1		422-504-431	422-504-432	
422-504-335	1	Operation and Maintenance — Radio Receiver Test Procedures /504-338 (9-92)	422-504-433	422-504-450	
Revision 1AC	1/94		■ Addendum AC	1	DRTS supplement
■ Addendum	1		■ 422-504-400AC	1	Operation and Maintenance — Regenerator Station NOTE: Provides binder, tabs, and the documents listed:
■ 422-504-335AC	1	Radio Receiver — Test Procedures	422-504-401AC	422-504-405AC	
422-504-336	1	Radio Receiver Replacement Procedures	422-504-410	422-504-415AC	
			422-504-420AC	422-504-430AC	
			422-504-431AC	422-504-432	
			422-504-433	422-504-450AC	

Number	Issue	Subject	Number	Issue	Subject
422-504-401	1	Introduction	■ Addendum AC	1	DRTS supplement
■ 422-504-401AC	1	Introduction	■ 422-504-500AC	1	Engineering Reference Manual (4 Vols) NOTE: Provides binder, tabs, and the documents listed:
422-504-405	2	DR4-20-90G Digital Radio System Operation and Maintenance Regenerator Station Annual FCC Tests (9-94)			422-504-501AC 422-504-505AC 422-504-510AC 422-504-515 422-504-520AC 422-504-525AC 422-504-530AC 422-504-560AC 422-504-565AC
■ 422-504-405AC	2	DR4-20-90G Digital Radio System Operation and Maintenance Regenerator Station Annual FCC Tests (9-94)			
422-504-410	1	Operation	422-504-501	1	Introduction
422-544-415	1	Equipment Identification	■ 422-504-501AC	1	Introduction
■ 422-504-415AC	1	Equipment Identification	■ 422-504-505AC	1	System Performance Diagnostics
422-504-420	1	Maintenance	422-504-505	1	System Performance Diagnostics
■ 422-504-420AC	1	Regenerator Station Maintenance	422-504-510	1	Continuous Performance Monitoring
422-504-430	1	Station Trouble Diagnosis	■ 422-504-510AC	1	Continuous Performance Monitoring
■ 422-504-430AC	1	Station Trouble Diagnosis	422-504-515	1	DS3-to-DS3 Performance
422-504-431	1	Regenerator Trouble Clearing	Revision 1	1/94	
■ 422-504-431AC	1	Trouble Clearing	422-504-520	1	Fade Margin and Interference
Revision 1	1/94		■ 422-504-520AC	1	Fade Margin and Interface
422-504-432	1	Operation and Maintenance, Regenerator Station — ) Regenerator Test Procedures (9-92)	422-504-525	1	Radio Transmission Test
■ 422-504-432AC	1	Regenerator Test Procedures	■ 422-504-525AC	1	Radio Transmission Test
422-504-433	1	Regenerator Replacement Procedures	422-504-530	1	Differential Absolute Delay Equalization
422-504-450	1	Repair Verification	■ 422-504-530AC	1	Differential Absolute Delay Equalization
■ 422-504-450AC	1	Repair Verification	422-504-535	1	Remote Telemetry Assignments
■ Addendum	1	DRTS Supplement	422-504-560	1	90C Line Terminal Drawings (Vol. 3)
422-504-500	1	Engineering Reference Manual (4 volumes) (9-92) NOTE: Provides binders, tabs, and the documents listed:	■ 422-504-560AC	1	90C Line Terminal Drawings
		422-504-501 422-504-505	422-504-565	1	90C Digital Regenerator Drawings (Vol. 3)
		422-504-510 422-504-515	■ 422-504-565AC	1	90C Digital Regenerator Drawings
		422-504-520 422-504-525	Addendum	1	DRTS supplement
		422-504-530 422-504-535	■ 422-504-600	1	FMAC Operator's Guide NOTE: Provides binder, tabs, and the documents listed:
		422-504-560 422-504-565			422-504-601 422-504-610 422-504-620 422-504-621 422-504-630 422-504-640 422-504-650 422-504-660 422-504-665

Number	Issue	Subject	Number	Issue	Subject
■ 422-504-600AC	1	FMAC Operator's Guide NOTE: Provides binder, tabs, and the documents listed:	422-504-701	1	Introduction
		422-504-601AC 422-504-605AC	Revision 1	1/94	
		422-504-610AC 422-504-620AC	Addendum	1	
		422-504-621AC 422-504-622AC	422-504-710	1	Transmitter Power Control Retro- fit — Installation (9-92)
		422-504-630AC 422-504-635AC	422-504-720	1	Testing
		422-504-640AC 422-504-650AC	Revision 1	1/94	
		422-504-660AC 422-504-665AC	Addendum	1	
422-504-601	1	Introduction	422-504-730	1	Transmitter Power Control Retro- fit — Initial Radio Transmitter/Receiver Tests (9- 92)
■ 422-504-601AC	1	Introduction	Revision 1	1/94	
■ 422-504-605AC	1	Maintenance Plan	Addendum	1	
422-504-610	1	Route Diagrams	422-504-740	1	Transmitter Power Control Retro- fit — Final Radio Transmitter/Receiver Tests (9- 92)
■ 422-504-610AC	1	Route Diagrams			
422-504-620	1	SCOTS (Surveillance and Control of Transmission Systems) Alarm Analysis	422-504-750	1	Alarm Verification Tests
■ 422-504-620AC	1	SCOTS (Surveillance and Control of Transmission Systems) Alarm Analysis	■ Addendum	1	DRTS Supplement
422-504-621	1	Performance Analysis	422-504-800	1	Radio Transmitter/Receiver With TPC (9-92) NOTE: Provides binder, tabs, and the documents listed:
■ 422-504-621AC	1	Performance Analysis			422-504-801 422-504-815
■ 422-504-622AC	1	Nonalarm Trouble Analysis			422-504-820 422-504-834
422-504-630	1	Repair Verification and System Restoral			422-504-835 422-504-837
■ 422-504-630AC	1	Repair Verification and System Restoral			422-504-838 422-504-839
■ 422-504-635AC	1	Alarm Center Reports			422-504-840 422-504-850
422-504-640	1	Scan Point Explanation			
■ 422-504-640AC	1	Scan Point Explanation	422-504-801	1	Introduction
422-504-650	1	Control Point Explanations	422-504-815	1	Equipment Identification
■ 422-504-650AC	1	Control Point Explanations	422-504-820	1	Maintenance
422-504-660	1	Control Point Explanations	422-504-834	1	Radio Receiver Trouble Clearing
■ 422-504-660AC	1	Remote System Operations	Revision 1	1/94	
422-504-665	1	SCOTS Alarm/Control Test Pro- cedures	Addendum	1	
■ 422-504-665AC	1	SCOTS Alarm/Control Test Pro- cedures	422-504-835	1	Operation and Maintenance— Radio Transmitter/Receiver With TPC — Radio Receiver Test Pro- cedures (9-92)
■ Addendum	1	DRTS Supplement	422-504-837	1	Radio Transmitter Trouble Clear- ing
422-504-700	1	Transmitter Power Control Retro- fit (9-92) NOTE: Provides binder, tabs, and the documents listed:	Revision 1	1/94	
		422-504-701 422-504-710	Addendum	1	
		422-504-720 422-504-730	422-504-838	1	Radio Transmitter Test Pro- cedures
		422-504-740 422-504-750	422-504-839	1	Radio Transmitter Replacement Procedures



Number	Issue	Subject
422-504-840	1	Hop Performance Tests
422-504-850	1	Repair Verification

**422-6 Pulse Monitors****422-600 Violation Pulse Monitor**

■ Addendum AC	1	
422-600-100AC	1	User's Manual

**Division 460**

**General Information Customer Equipment**

**460-0 Indexes**

**460-1 Service Protection**

**460-2 Ringing and Battery Feeders**

**460-3 General Precautions — Station Tools, Materials, and Procedures**

Number	Issue	Subject
<b>460-0 Indexes</b>		
460-000-000	68	Numerical Index — Division 460 — General Information — Customer Equipment
460-000-006	6	Alphabetic-Numeric Index — Station, Key, PBX, and Private Service Systems
460-001-010	12	Station and PBX Schematic Drawings (SDs) and Associated Circuit Descriptions (CDs) Available in Handbook Size
<b>460-1 Service Protection</b>		
460-110-100	6	Special Safeguard Measures (SSM) and Special Service Protection (SSP)
460-110-101	6	Special Service Lines — Protection and Termination of Data, Telegraph, and Radio Program Loops
460-110-130	1	Marking Physical Location of Station Equipment and Cable
460-110-400	1	Special Safeguard Measures — Radio and Telegraph Loops

Number Issue Subject

**460-2 Ringing and Battery Feeders**

460-260-210	1	Ringing Feeders — Installation, Connection and Distribution — Customer Equipment
460-260-545	4	Battery Feeders — Resistance Measurements — Customer Equipment

**460-3 General Precautions — Station Tools, Materials, and Procedures**

460-300-102	1	Subscriber Line Verification Using Automatic Number Announcement Circuit
460-300-108	3	Reference — Ladders — Safety Precautions, Description, Transporting, and Use
Addendum	2	
460-300-110	1	Climbing Precautions
460-300-111	1	Joint Use Poles Clearance and Separations
460-300-115	1	Minimum Approach Distances to Exposed Energized Power Conductors
Addendum	1	
460-300-121	1	Drop From Open and Rural Lines
460-300-123	2	Drop and Block Wire — Attaching and Fastening
460-300-127	1	Pole-to-Pole and Pole-to-Building Runs
460-300-129	1	Drop and Block Wire — Discontinuance of Service
460-300-131	1	Multiple Drop Wire Placement
460-300-134	3	Dedicated Plant — Wiring Access Points
460-300-140	1	Wire Terminals — Multiple Line Wires
460-300-143	3	Buried Plant — Buried Wire Terminations
460-300-149	3	Separation and Mechanical Protection for Wire and Cable

**Division 461****Wiring and Cabling Customer Equipment****461-0 Index****461-1 Customer Premises Wire and Cable Systems****461-2 Inside Wire and Inside Wire Cable****461-3 Conduits, Raceways, and Overfloor Ducts****461-4 Customer Participation Products****461-6 Connecting and Matrix Blocks, Terminals, Jacks, and Plugs**

Number	Issue	Subject
461-000-000	44	Numerical Index — Division 461 — Wiring and Cabling — Customer Equipment (5-95)
<b>461-1 Customer Premises Wire and Cable Systems</b>		
<b>461-110 SYSTIMAX® PDS Application Guides</b>		
461-110-001	1	IBM* Token Ring Application Guide
461-110-002	1	Pilkington Flexilink 6000 Application Guide
461-110-003	1	Farallon PhoneNET† Application Guide
461-110-004	1	FDDI Design Guidelines
461-110-005	7	EIA-232-D Application Guide
461-110-006	1	FDDI Application Guide
461-110-007	8	SYSTIMAX PDS Performance Specifications (7-95)
461-110-008	1	SYSTIMAX PDS UNYSIS Air/Land System Application Guide
461-110-009	1	SYSTIMAX PDS Application Guide Set (Set Includes: Binder, Inserts and 10 Application Manuals — No Binders)
461-110-010	5	SYSTIMAX PDS Application Guide Tabs and Binder Inserts (No Binder)
461-110-011	4	WANG* Application Guide (6-95)
461-110-012	1	VingCard† Hotel Security System Application Guide (11-92)
461-110-013	1	Honeywell DeltaNet Systems Design Guide
461-110-014	1	SYSTIMAX PDS UNISYS Advanced Tele-Cluster System Application Guide
461-110-015	1	IBM ESCON Application Guide
461-110-016	4	SYSTIMAX IBM 3270 Application Guide
461-110-017	1	Fujitsu M System Application Guide
461-110-018	1	RAYLAN Fiber Optic Token Ring Series Application Guide
461-110-019	1	SynOptics LattisNet Active Token Ring Application Guide
461-110-020	1	IBM Token Ring 8230 Application Guide Supplement
461-110-021	2	Baseband Video Application Guide (3-95)
461-110-022	1	Token Ring System Guide
461-110-023	1	ILC (International Computer Ltd.) DRS-CONNECT Systems Application Guide
461-110-024	1	10BASE-T Application Guide
461-110-025	1	ICL (International Computers Ltd.) DRS-CONNECT System Application Guide
461-110-026	1	Honeywell European Systems Design Guideline (3-94)
461-110-027	1	SYSTIMAX RAD Token Ring Products Application Guide
461-110-028	4	IBM Systems 36/38 & AS/400 Application Guide (6-95)
461-110-029	1	SYSTIMAX SCS TP-PMD Application Guide (6-95)

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† PhoneNET is a registered trademark of Farallon Computing, Inc.

\* WANG is a registered trademark of WANG Laboratories, Inc.

† VingCard is a registered trademark of Trioving A.S.

Number	Issue	Subject
461-110-030	1	SYSTIMAX Structured Cabling Systems (SCS) Active Token Ring Application Guide (6-95)
461-110-031	1	SYSTIMAX Intelligent Building Systems (IBS) Johnson Controls METASYS Design Guidelines (6-95)
461-110-032	1	SYSTIMAX Intelligent Building Systems (IBS) Staefa Controls Design Guidelines (6-95)

Number	Issue	Subject
461-120-015	3	SYSTIMAX PDS 365B Installation Instructions
461-120-016	2	SYSTIMAX PDS D182643 Parts Kit Installation Instructions
461-120-017	1	SYSTIMAX PDS 380B Installation Instructions
461-120-018	1	SYSTIMAX PDS 384A Installation Instructions
461-120-019	1	PATCHMAX Installation Instructions (6-95)

**461-115 SYSTIMAX® PDS General Documents**

461-115-002	4	Wire Installation Manual (5-95)
461-115-004	4	Fiber Installation Manual (5-95)
461-115-005	--	Document Set (includes an Application Guide set, Product Manual set, and one each of every core document except Design Guide, formerly 555-400-011)
461-115-006	3	SYSTIMAX SCS Administration Manual (3-95) Note: Replaces 555-401-100
461-115-008	3	SYSTIMAX SCS Requirements Survey (6-95) Note: Replaces 555-400-601
461-115-500	1	SYSTIMAX Structured Cabling System (SCS) Products Guide CD-ROM

**461-120 SYSTIMAX® PDS Product Manuals**

461-120-005	7	Z3A Asynchronous Data Unit Product Manual
461-120-007	8	353 Adapters Product Manual
461-120-008	3	SYSTIMAX PDS Token Ring Adapters Product Manual
461-120-009	--	SYSTIMAX PDS Product Manual Set
461-120-010	5	SYSTIMAX PDS Product Manual Tabs, Cover, and Spine Inserts
461-120-011	7	361A Adapter Product Manual
461-120-012	--	SYSTIMAX PDS Approved Product List 361A Adapter Product Manual
461-120-013	2	SYSTIMAX PDS 353M16 Installation Instructions
461-120-014	8	SYSTIMAX PDS 365A Installation Instructions

**461-2 Inside Wire and Inside Wire Cable**

461-200-100	9	Inside Wire and Cable — Selection
461-200-101	7	Connector Cables — Identification
461-200-102	8	Adapters For Use With Connector Cables — Identification and Application
461-200-103	4	Adapters and Covers — Identification and Installation
461-200-200	9	Station Wire and Cable — Installation and Route Selection
461-200-202	2	Concealing Wire and Cable Without Conduits or Raceways
461-200-203	11	Handling Station Wire and Cable
461-200-204	1	Disposition of Disconnected Wire and Cable
461-200-205	5	Splicing Station Wire and Inside Wiring Cable
Addendum	1	
461-200-206	3	B Station Wire and Associated Apparatus — Identification and Installation — Station Wiring
461-200-207	2	25-Pair Undercarpet Cable Installation Inside Wire Cable Customer Equipment
461-200-208	1	4-Pair Undercarpet Telephone Cable — Installation Methods Inside Wire Cable
461-200-210	12	Station Wire and Cable Attaching and Fastening — Description
461-200-211	1	B Plenum Cable — Description and Installation
461-210-200	5	Wiring Desks and Tables
461-220-100	3	Mobile or Manufactured Home Wiring — Permanent Type

Number	Issue	Subject	Number	Issue	Subject
461-220-101	3	Recreational Vehicle Wiring — Nonpermanent-Type (Trailers, Campers, Truck Campers, Motor Homes and Boats)	461-400-141	1	725FS and 830A4 Connecting Blocks and 65B Faceplate — Identification, Installation, and Maintenance — Prewire Arrangements
<b>461-3 Conduits, Raceways, and Overfloor Ducts</b>			461-400-150	2	625TD Connecting Block — Identification and Installation Standard Network Interface — New Service Arrangements
461-300-100	1	Conduits, Raceways, and Overfloor Ducts — General	461-400-151	2	742-Type Connecting Blocks — Identification — Bridging Arrangements
461-300-101	2	Conduit, Underfloor Duct, and Fittings — Identification, Placing Wire and Cable	461-400-152	1	725FSA Connection Block — Identification — New Service Arrangement — Postwire Flush — Customer Participation
461-300-102	1	Raceways — Identification and Installation	461-400-153	1	630B Connecting Block Identification, Installation, and Maintenance
461-310-101	1	Prewiring — High Rise Apartment Buildings — Identification	461-400-154	1	725S Connecting Block Identification New Service Arrangements — Postwire Flush Customer Participation Products
461-310-102	1	Prewiring — Single Family, Condominium, Town House, Other Residential Dwellings, and Simple 1 and 2 Line Business Systems — Identification and Installation	461-400-155	2	725A-Type Connecting Block Identification
461-310-201	1	Prewiring — High Rise Apartment Buildings — Installation	461-400-156	1	953A-S Tool — Identification
461-310-401	1	Prewiring — High Rise Apartment Buildings — Connecting Services	461-400-157	1	Telephone Station Wire — Identification
461-350-100	5	Overfloor Ducts and Associated Fittings — Identification and Installation	461-400-158	1	700A-S Modular Plug — Identification
461-400-100	1	Customer Participation Products — Identification and General Information	<b>461-6 Connecting and Matrix Blocks, Terminals, Jacks, and Plugs</b>		
<b>461-4 Customer Participation Products</b>			461-600-100	3	Connecting Blocks — Selection
461-400-110	1	224A and 225A Adapters Identification — Adapter Arrangements	461-600-103	1	Connecting Blocks-Modular — Selection
461-400-120	2	Modular Conversion Arrangements — Identification and Installation — Customer Participation Products	461-601-100	1	Connecting Blocks — 30- and 31-Type — Identification, Installation, and Wiring
461-400-130	1	Extension Cords and Phonemount — Identification — Extension of Service Arrangements	461-602-100	4	Connecting Blocks — 42-Type, 44A, and 47-Type — Identification, Installation, and Wiring
461-400-140	1	800A Station Wire Box — Prewire Arrangements — Identification, Installation, and Maintenance	Addendum	1	
			461-603-100	3	Connecting Blocks — 57, 59, and 60 Types — Identification, Installation, and Wiring
			Addendum	1	
			461-604-100	7	66-Type Connecting Blocks — Tools, Terminating, Adapters, Maintenance

Number	Issue	Subject
461-604-101	5	Connecting Blocks, 66-Type — Numbering and Wiring Plan
461-604-102	7	Connecting Blocks — 66A, B, C, and M- Type — Identification
461-604-103	4	Connecting Blocks — 66E3-25, 66E4-25, 66E8-25 and 66E9-25 — Identification and Installation
461-604-104	4	Connecting Blocks — 86A and 96A, 102A, 103A, and 104A — Identification and Ordering
461-604-105	4	Connecting Blocks 66M3-50R (MD) and 66M4-50R (MD) — Identification, Installation, and Maintenance
461-604-106	2	700-Series — Interface Facilities — Identification, Installation, and Maintenance
461-606-100	4	Connecting Blocks — 71-, 74-, and 75- Type — Identification, Installation, and Wiring
461-608-100	3	Connecting Blocks and Wiring Blocks — 88-Type
461-610-100	8	625-, 630-, 635-, 725-, 742-, and 830-Type Connecting Blocks — Identification, Installation, and Connections
461-618-201	2	Connecting Blocks and Terminals — Cross Connecting and Wiring
461-619-101	4	Terminals — Outdoor Wiring
461-620-100	3	Matrix Block — 1A1 — Identification, Installation, Wiring, and Maintenance
Addendum	1	
461-630-100	12	Station Equipment — Jacks, Plugs, and Adapters — Identification, Installation, and Service
461-630-110	2	Mounting Bracket, Multiple Use KS-20502
461-630-115	1	Jack, Television — SKL964-16U

**Division 462****Drop and Block Wiring Dedicated Plant and C Rural Wire****462-0 Indexes, Data Sheets, Standard Material Clearances and CIRs****-000 Indexes****-005 Data/Instruction Sheets****-030 Standard Materials****-070 Clearances****462-2 Wiring****-200 Splices****-240 Drops From Open Wire****-242 Customer Closures****-250 Wiring at Serving Area Connector****-260 Wiring at Terminals****-275 Subscriber Carrier****462-3 Attachments****-300 Pole Strand and Tree Attachments****-350 Building Attachments****462-4 Placements****-400 Placing****-450 Mechanical Protection****462-5 Multiply Drop and Rural Wire****-500 Multiply Drop Wire****-525 Rural Wire****462-6 Dedicated Plant****-600 Wiring Access Points****462-8 Wire Maintenance****-800 Maintenance of Drop Wire****-462-W WIPS (Workcenter Information Packages)****-WIPS Workcenter Information Packages**

Number	Issue	Subject
<b>462-0 Indexes, Data Sheets, Standard Material Clearances and CIRs</b>		
<b>462-000 Index</b>		
462-000-000	4	Numerical Index — Division 462 — Drop and Block Wiring — Dedicated Plant and C Rural Wire
<b>462-005 Data/Instruction Sheets</b>		
462-005-100	3	Station Protection and Grounds — Identification, Selection, and Installation
462-005-101	2	125EW, 125EWB-, and 125EKW-Type Wide Gap Protectors — Description, Installation, and Testing
462-005-150	3	B2 Customer Service Closure — Description and Use
462-005-160	1	100-Type NIU (Network Interface Unit) — Description and Installation
462-005-165	1	200 Series NIU (Network Interface Unit) — Description and Installation
462-005-171	3	400 Network Interface Unit (NIU) Family — Description and Installation (2-93)
462-005-172	1	500 Series NIU (Network Interface Unit) Description and Installation
462-005-173	2	600 Series Network Interface Unit (NIU) — Description and Installation
462-005-175	1	8A1A (F-62007) Termination Unit — Description and Installation
462-005-178	2	401 NIUS (Network Interface Units) — Description and Installation
<b>462-030 Standard Materials</b>		
Addendum	2	
462-030-100	8	Drop, Block, and Cross-Connect Wiring — Insulated Wire
462-030-121	1	E Ground Rod (AT-8985) — Description and Use

Number	Issue	Subject	Number	Issue	Subject
<b>462-070 Clearances</b>			462-265-201	2	Wiring at Main Building Terminals Using Quick Connect Hardware
462-070-015	3	Drop Wire Clearances	462-265-202	2	Wiring at Main Building Entrance Terminals Using 88-Type Quick-Connect Hardware
<b>462-2 Wiring</b>			462-265-211	1	Wiring Building Riser and Distribution Terminals
<b>462-200 Splices</b>			462-265-212	2	Wiring at Riser and Distribution Terminals Using 88-Type Quick-Connect Hardware
462-200-200	6	Drop and Block Wiring — Splicing	<b>462-275 Subscriber Carrier</b>		
462-200-201	2	B Drop Wire Splice (AT-9015) — Description and Use	462-275-201	2	4159-Type Network — Description and Installation
462-200-225	1	C, D, and E Service Wire Closures — Description and Use — Burled Service Wire	<b>462-3 Attachments</b>		
<b>462-240 Drops From Open Wire</b>			<b>462-300 Pole Strand and Tree Attachments</b>		
462-240-120	6	101-Type Wire Terminals — Description and Installation	Addendum	2	
462-240-200	3	Drops From Open and Rural Wire Lines	462-300-200	4	Drop and Block Wiring — Climbing Space
<b>462-242 Customer Closures</b>			<b>462-350 Building Attachments</b>		
462-242-101	1	AT-8813 B, C, and D — Customer Service Closures — Description and Use	462-350-211	4	Attaching Devices for Walls in Medium and Light Loading Areas
<b>462-250 Wiring at Serving Area Connector</b>			462-350-212	4	Attaching Devices for Walls in Heavy Loading Areas
462-250-105	2	Serving Area Interface AT-8630 and B Aerial Interface AT-8685 — Wiring	462-350-213	4	Fastening and Equipping — Drop Wire Runs to Buildings
462-250-106	2	88-Type Connecting Block—Wiring—40- Type Cabinets	462-350-214	4	Fastening and Equipping Intermediate and Last Attachments of Drop and Block Wire Runs on Buildings
462-250-107	4	108 Connectors and 76-Type Binding Posts — Wiring — 40-Type Cabinets (2-93)	<b>462-4 Placement</b>		
462-250-110	2	Wiring 108 Connectors and 76-Type Binding Posts — Cross-Connect Methods — 80-Type Cabinets	<b>462-400 Placing</b>		
<b>462-260 Wiring at Terminals</b>			462-400-100	3	B Drop Wire Rule
462-260-201	3	Wiring at Aerial Cable Terminals	462-400-200	4	Stringing Sags for Drop Wire
462-260-203	1	B-Type Cable Terminal — Wiring	462-400-206	3	Aerial Service (Drop Wire) — Placing, Replacing, Lowering, and Removing
462-260-207	4	Buried Service Wire — Terminations	462-400-211	3	Pole-to-Building and Pole-to-Pole Runs
			462-405-205	4	Coaxial — Placing



Number	Issue	Subject	Number	Issue	Subject
<b>462-450 Mechanical Protection</b>			<b>462-6 Dedicated Plant</b>		
462-450-100	2	Wire Guards	<b>462-600 Wiring Access Points</b>		
462-450-200	3	Avoiding Tree Interference	462-600-200	3	Dedicated Plant — Wiring Access Points
462-450-205	3	Separation and Mechanical Protection	<b>462-8 Wire Maintenance</b>		
<b>462-5 Multiply Drop and Rural Wire</b>			<b>462-800 Maintenance of Drop Wire</b>		
<b>462-500 Multiple Drop Wire</b>			462-800-305	3	Repair
462-500-011	5	Block Wiring — Multiple Pair Aerial Service Wire — Placing and Stringing Sags	<b>462-W WIPs (Workcenter Information Package)</b>		
Addendum	1		<b>462-WIP</b>		
462-500-015	1	Clearances for Multiple Drop Wire in Light Loading Area	462-WIP-001	2	B2 Customer Service Closure and 101C Wire Terminal (slide/audio)
Addendum	1		462-WIP-002	2	B Drop Wire Splice — Installation (full action video)
462-500-016	1	Clearances for Multiple Drop Wire in Medium Loading Area	462-WIP-004	1	F Aerial Service Wire Carton/Dispenser (slide/audio)
Addendum	1		462-WIP-005	2	200 Series Network Interface Unit (slide/audio)
462-500-017	2	Clearances for Multiple Drop Wire in Heavy Loading Area	462-WIP-006	1	6A1 Maintenance Terminating Unit — Installation (full action video)
<b>462-525 Rural Wire</b>			462-WIP-007	1	200/400/600/900 NIU Application (full action video)
462-525-015	1	C Rural Wire — Clearances — Light Loading Area	462-WIP-008	1	600 NIU Installation (full action video)
462-525-016	1	C Rural Wire — Clearances — Medium Loading Area	462-WIP-009	1	612 NIU Installation (full action video)
462-525-017	1	C Rural Wire — Clearances — Heavy Loading Area	462-WIP-012	1	FLEXTERM™ House Terminal Installation (full action video)
462-525-101	2	C Rural Wire — Description, Precautions, Attachments, and Placing Operations (2-93)			
462-525-105	2	Drainage Protection — C Rural Wire (2-93)			
462-525-115	2	C Rural Wire — Stringing Sags (2-93)			
462-525-150	2	C Rural Wire — Terminating (2-93)			

**Division 463**

**Miscellaneous Station Apparatus For Use With Station Installations  
Customer Equipment**

**463-0 Indexes**

**463-1 Auxiliary Signals, Power Relays, Backboards, Equipment Cabinets, and Apparatus Mountings**

**463-2 Lamp Indicators, Loudspeaker Sets, Recorder Connectors, and Voice-Controlled Switch**

-248 Page Pac Loudspeaker Paging Set

**463-3 Interconnecting Unit**

**463-4 Registration Interfaces**

Number	Issue	Subject
<b>463-0 Indexes</b>		
463-000-000	39	Numerical Index — Division 463 — Miscellaneous Station Apparatus for Use With Station Installations — Customer Equipment
<b>463-1 Auxiliary Signals, Power Relays, Backboards, Equipment Cabinets, and Apparatus Mountings</b>		
Addendum	1	
463-110-100	13	Auxiliary Signals — Identification, Installation, Operation, Maintenance, and Connections
463-120-100	8	Power Relay Sets — Identification, Installation, and Maintenance
463-121-100	5	Adapters — 146B, 155A, 157A, 285A, 290A, and Kit of Parts — D-180071, D-180072 — Identification and Installation
463-121-110	2	Apparatus Boxes 113-, 114-, and 118-Type for Mounting Panel Telephone Sets — Identification and Installation
463-121-115	2	115-Type Apparatus Boxes — Identification and Installation

Number	Issue	Subject
463-130-100	13	Backboards — Identification and Installation
463-135-100	1	Handset Hanger — 10A — Identification and Installation
463-140-100	10	Equipment Cabinets and Apparatus Mountings — Identification
463-140-200	8	Equipment Cabinets and Apparatus Mountings — Installation

**463-2 Lamp Indicators, Loudspeaker Sets, Recorder Connectors, and Voice-Controlled Switch**

463-200-001	1	Horn-Type Loudspeakers and Attenuators — Identification, Installation, Connection, and Maintenance — Voice Paging System
463-200-002	1	Cone-Type Loudspeakers and Baffles — Identification, Installation, Connection, and Maintenance — Voice Paging System
463-200-100	1	Standard Connections to Bell System Hosts — PAGEPAC* Loudspeaker Paging System — Voice Paging
Addendum	1	
463-210-100	5	Lamp Indicators — Identification and Installation
Addendum	1	
463-210-101	3	24A-Type Status Indicator — Identification and Installation
463-210-110	1	Colored Buttons for Use in Key Telephone Sets, Call Director® Sets, Card Dialers, Separately Mounted Keys, and 400-Type Key Mountings
463-211-100	1	Lamp Sockets — 69 Type
463-215-100	2	75A, 76A, and 77A Brackets Identification for Mounting Push-button Signaling Keys on Telephone Sets

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Number	Issue	Subject	Number	Issue	Subject
463-220-100	8	Loudspeaker Sets — 106-Type — Identification, Installation, Maintenance, and Connections	463-248-204	1	Page Pac Plus Programming Manual
463-221-100	8	Loudspeaker Set — 107-Type Identification, Installation, Connection, Operation, and Maintenance — SPOKESMAN® Loudspeaker	463-248-205	1	Page Pac Plus Programming Card
463-230-100	3	Recorder Connectors — 50 Type and Associated KS-16730, List 1 — Identification and Operation	<b>463-3 Interconnecting Unit</b>		
463-230-200	3	Recorder Connectors — 50 Type and Associated KS-16730, List 1 — Installation and Maintenance	463-300-100	4	Interconnecting Devices — Selection and General Information
463-230-300	3	Recorder Connectors — 50 Type and Associated KS-16730, List 1 — Maintenance	Addendum	1	
463-230-400	3	Recorder Connectors — 50 Type and Associated KS-16730, List 1 — Connections	463-300-101	1	Interconnecting Devices, Common Equipment — 604A-Type Panel
463-232-100	1	Recorder Coupler KS-19164, List 1	Addendum	3	
Addendum	1		463-300-102	2	Interconnecting Devices, Common Equipment — 604B and 604C Panels and 21A Apparatus Unit
463-235-100	1	KS-20008, List 1 Control Unit — Identification, Installation, Tests, and Connections	Addendum	1	
463-240-100	2	Voice-Controlled Switch 234-Type	463-300-103	1	Interconnecting Devices, Common Equipment — 606A Panel
463-241-100	1	Modular Switches for Use in Telephone Sets	Addendum	2	
463-245-100	2	KS-16821 Footswitch — Identification and Connections	463-300-104	2	Interconnecting Devices, Common Equipment — 615A Panel
463-246-100	1	Outdoor Cutoff Switch — KS-20235, List 1 — Identification and Installation	463-300-109	1	Connecting Arrangement VCP Customer- Provided Power — KS-20944 Protector
<b>463-248 Page Pac Loudspeaker Paging Set</b>			Addendum	1	
463-248-050	2	Page Pac Marketing and Sales Guide	463-300-110	1	Interconnecting Control Unit F-58010 — Identification, Installation, Maintenance, and Connections
463-248-101	1	Page Pac Installation Manual	Addendum	1	
463-248-102	1	Page Pac Multitone Generator Installation Manual	463-300-112	1	Interconnecting Devices, Common Equipment — 75A Control Unit
463-248-103	1	Page Pac Remote Amplifier Adapter Installation Manual	463-300-113	2	Interconnecting Devices — Common Equipment — 142A Test Set
463-248-201	1	Page Pac Plus Installation Manual	Addendum	1	
463-248-202	1	Page Pac Plus Amplicenter Manual	463-300-130	1	Voice Coupler F-58008 — Identification, Installation, Maintenance, and Connections
463-248-203	1	Page Pac Plus 16 Expansion Module Manual	Addendum	1	
			463-300-140	1	Interconnecting Key Telephone Unit F-58006 — Identification, Installation, Maintenance, and Connections

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		Addendum	2	
463-300-150	1	Interconnecting Key Telephone Unit F-58007 — Identification, Installation, Maintenance, and Connections	463-322-101	1	Interface Termination JTA Used With Conforming Answering Devices Incorporating Authorized Protective Connecting Modules
Addendum	1		Addendum	1	
463-311-100	5	Voice Connecting Arrangements QKT and QKTBT — 30-Type Voice Coupler	463-323-100	1	Headset Interface Termination Used With Customer-Provided 4-Wire Head Telephone Sets
463-311-101	1	Interface Arrangement Pop — 30D Voice Coupler	Addendum	1	
Addendum	1		463-331-100	1	Voice Connecting Arrangement CDB — F-58005
463-311-103	2	Voice Connecting Arrangements CDN and CD5 — 111A Interconnecting Unit, 69H Apparatus Mounting, and 606A Panel	Addendum	1	
Addendum	1		463-331-101	1	Voice Connecting Arrangement CDB — J53050A, List 1
463-311-104	2	Voice Connecting Arrangements CEBAX and CEBBX — 111A Interconnecting Unit — 69H Apparatus Mounting — 606A Panel	Addendum	1	
Addendum	1		463-331-103	3	Voice Connecting Arrangement CD4
463-311-105	4	Voice Connecting Arrangement LVH — Installation, Operation, Maintenance, and Connections	Addendum	1	
Addendum	1		463-331-104	3	Voice Connecting Arrangement CDX — Using 31B Voice Couplers
463-311-106	2	Voice Connecting Arrangements CEBAV and CEBAW — 111A Interconnecting Unit — 69H Apparatus Mounting — 606A Panel	Addendum	1	
Addendum	1		463-331-105	3	Voice Connecting Arrangement LOH — 110A Interconnecting Unit, 69H Apparatus Mounting — 606A Panel
463-311-107	4	Voice Connecting Arrangement C2AKS	Addendum	1	
Addendum	1		463-331-106	1	Protective Connecting Arrangement SUT
463-311-108	2	Voice Connecting Arrangements CEZ — KS-20893, List 10 Interconnecting Unit — KS-20893, List 11 Interconnecting Service Unit	Addendum	3	
Addendum	1		463-332-100	3	Automatic Trunk Level Circuits DCK and DCL — PBX and Key Telephone Applications
463-311-109	1	Voice Connecting Arrangement QKP — 32AVoice Coupler	463-332-110	4	Recorded Telephone Dictation Trunk Circuit PBX and Key Telephone Applications
463-312-100	2	Voice Connecting Arrangement CDY — Pick-Up Button, Bell System Telephone Set	463-332-120	4	Interface Trunk Circuit — J58824CD Interface Trunk Unit
Addendum	1		463-332-130	2	89A Control Unit
463-322-100	1	Interface Termination JTC Used With Attested Customer-Provided Non-Powered Conferencing Devices	463-332-140	1	36A Voice Coupler — Identification, Installation, Connection, and Maintenance
			Addendum	1	
			463-340-100	4	Voice-Connecting Arrangements CAU, SU3, SU4, SU6, and SU7
			Addendum	1	
			463-340-101	5	Protective Connecting Arrangements — RDMZR and RDY

Number	Issue	Subject	Number	Issue	Subject
Addendum	2		Addendum	2	
463-340-102	3	Protective Connecting Arrangements — SU6AQ and STS — KS-20721 Station Coupler	463-350-101	1	Voice Connecting Arrangement CDA — 700-Type Interconnecting Service Unit — 108A and 105A Interconnecting Units
Addendum	2		Addendum	1	
463-340-103	2	Voice-Connecting Arrangement STC — KS-20721 Station Coupler	463-350-104	6	Protective Connecting Arrangements CDH and CBF
Addendum	1		Addendum	1	
463-340-104	3	Protective Connecting Arrangement SU7QW — KS-20721 Station Coupler	463-350-105	4	Voice Connecting Arrangement CD6
Addendum	1		Addendum	1	
463-340-105	2	Protective Connecting Arrangement AD1 — 23A Coupler	463-350-106	5	Protective Connecting Arrangements CD9, CD8, CD7 and Connecting Arrangement CBF
Addendum	1		Addendum	1	
463-340-110	4	Voice-Connecting Arrangements RDL and RDM	463-350-107	5	Protective Connecting Arrangement CBD
Addendum	2		Addendum	1	
463-340-111	2	Voice Connecting Arrangements RDL and RDM — KS-19522, List 1 or List 2 Recorder Coupler Used With KS-16765, List 1 Announcement Set	463-350-108	3	Voice Connecting Arrangement CET
Addendum	1		Addendum	1	
463-340-112	1	Voice-Connecting Arrangement GTS	463-350-110	2	Protective Connecting Arrangement TAS
463-340-120	6	Protective Connecting Arrangements — Identification, Installation, Operation, Maintenance, and Connections — RCZ, RTT and RC1, and 4-Wire Service	463-360-100	4	Voice Connecting Arrangements CDQ4X and CDQ4W or Facilities Interfaces 31-TT-MB and 32-TT-MB
Addendum	1		463-360-101	4	Voice Connecting Arrangements CDQ2W and CDQ2X — Identification, Installation, Operation, Maintenance, and Connections
463-341-100	5	Protective Connecting Arrangement C2ACP	Addendum	1	
Addendum	1		463-360-102	2	Voice Connecting Arrangement C234W
463-341-101	4	Protective Connecting Arrangements — STP and C2F	Addendum	1	
463-341-102	2	33-Type Interface Arrangements for Music-On-Hold and Paging Amplifiers	463-360-103	2	Voice Connecting Arrangement C232W
Addendum	1		463-361-100	1	119A Interconnecting Unit — Identification, Installation, Connections, Operation, and Maintenance
463-341-103	1	Protective Connecting Arrangement FTM	463-370-101	4	Voice Connecting Arrangements C24 and C2H or Facility Interface 31-TT-EG — Identification, Installation, Operation, Maintenance, and Connections
Addendum	1				
463-350-100	1	Voice Connecting Arrangement CDA — Interconnecting Service Unit F-58003 and Associated F-58004 KTU and F-58015 Console			

Number	Issue	Subject	Number	Issue	Subject
463-370-102	2	Voice Connecting Arrangements C27 and C2K or Facility Interface 11-TT-EG — Identification, Installation, Operation, Maintenance, and Connections	<b>463-4 Registration Interfaces</b>		
463-380-100	3	Voice Connecting Arrangement CEK — J53050E Interconnecting Unit	463-400-100	5	Selection and General Information
Addendum	1		463-400-110	2	Adapter Arrangements — RJA1X, RJA2X, and RJA3X
463-380-101	1	Connecting Arrangement C25 — 118A Interconnecting Unit	463-400-120	4	RJ11C, RJ11W, RJ12C, RJ12W, RJ13C, RJ13W, RJ17C, RJ18C, RJ19C and RJ1DC — Bridged Single Line Tip and Ring Arrangements
Addendum	1		463-400-121	2	Bridged Single Line Weatherproof — Tip and Ring Arrangements — RJ15C
463-380-102	1	Connecting Arrangement C1Y — J92614E-1 Interface Unit	Addendum	1	
Addendum	1		463-400-130	4	Uniform Service Order Codes (USOCs) RJ16X, RJ31X, RJ32X, RJ33X, RJ34X, RJ35X, RJ36X, RJ37X, and RJ38X — Identification and Maintenance Series Single Line Tip and Ring Arrangements
463-382-100	5	Protective Connecting Arrangements C1V, RCX, and GC2	463-400-140	3	Uniform Service Order Codes (USOCs) RJ14C and RJ14W Identification and Maintenance Bridged 2-Line Tip and Ring Arrangements
Addendum	1		463-400-141	5	RJ21X, RJ22X, RJ23X, RJ24X, RJ2DX, RJ2EX, RJ2FX, RJ2GX, RJ2HX, and RJ2MB— Identification and Maintenance — Bridged Multiple Tip and Ring Arrangements — Registration Interface
463-382-101	3	Connecting Arrangement CTD — J53050G-Type Interconnecting Unit	463-400-142	2	RJ25C — Identification and Maintenance — Registration Interface Bridged 3-Line Tip and Ring Arrangements
Addendum	1		463-400-143	1	RJ61X — Identification, Installation, and Maintenance — Bridged 4-Line Tip and Ring Arrangement
463-382-102	2	Protective Connecting Arrangement HZM	463-400-150	3	RJ71C — Series Multiple Tip and Ring Arrangements — Installation, Connections, and Maintenance
Addendum	1				
463-382-103	1	Connecting Arrangement CTH — J53050K Connecting Unit			
Addendum	1				
463-382-104	1	Connecting Arrangement KTX			
Addendum	2				
463-382-105	1	Voice Connecting Arrangement — TSZ1 and TSPXY			
Addendum	1				
463-390-100	1	Picturephone Connecting Arrangement PVF — 114A			

**Division 473**

**Intra-PBX Protection of Service, Code Calling, Customer Training, Dispatching, Emergency Reporting, Interface Trunks, Message Waiting, Recorded Telephone Dictation, Telephone Answering Systems, and Transmitter Transfer Customer Equipment**

**473-0 Index**

**473-1 Intra-PBX Protection of Service, Code Calling, Recorded Telephone Dictation, Dispatching, Interface Trunks, Message Waiting, and Transmitter Transfer**

**473-2 Emergency Reporting**

**473-3 Emergency Reporting**

**473-4 Customer Training Equipment**

**473-5 Telephone Answering Systems — Sections Common to Customer and Central Office Equipment**

**473-6 Telephone Answering Systems — Sections Covering Customer Equipment**

**473-7 Telephone Answering Systems — Sections Covering Central Office Equipment**

Number	Issue	Subject
<b>473-0 Index</b>		
473-000-000	67	Numerical Index — Division 473 — Intra-PBX Protection of Service, Code Calling, Customer Training, Dispatching, Emergency Reporting, Interface Trunks, Message Waiting, Recorded Telephone Dictation, Telephone Answering Systems, and Transmitter Transfer Customer Equipment

Number	Issue	Subject
<b>473-1 Intra-PBX Protection of Service, Code Calling, Recorded Telephone Dictation, Dispatching, Interface Trunks, Message Waiting, and Transmitter Transfer</b>		
<b>Intra-PBX Protection of Service</b>		
473-105-201	1	SD-1E031-01 — Identification, Installation, and Connections
473-105-501	1	SD-1E031-01 — Circuit Tests and Adjustment
<b>1A and 1B Code Calling Systems</b>		
473-115-100	1	Description and Use
473-115-300	1	Maintenance
473-115-400	1	Connections
<b>2A Code Calling System</b>		
473-120-520	1	Circuit Tests
<b>3A Code Calling System</b>		
473-121-101	1	Identification, Installation, and Connections
473-121-520	2	3A Code Call System — Operation Test
<b>Recorded Telephone Dictation Trunks SD-65728-01 and SD-65788-01</b>		
473-130-201	2	Installation
473-130-501	2	Operation Tests
<b>Interface Trunk Circuits</b>		
473-138-210	2	Auxiliary Power Supply Circuit SD-5E039-01 (J58866A) — Identification, Installation, and Connections
<b>Dispatching Service — 508A PBX</b>		
473-169-511	1	Circuit Tests
<b>Message Waiting Service</b>		
473-180-210	1	Identification, Installation and General Connecting Information
473-180-520	1	Circuit Tests
<b>Transmitter Transfer Unit</b>		
Addendum	1	
473-185-210	2	Identification, Installation Connections, and Maintenance

Number	Issue	Subject	Number	Issue	Subject
<b>473-2 Emergency Reporting</b>			<b>Manual PBX (Other Than 520-Type)</b>		
<b>520-Type PBX</b>			473-228-110	1	Emergency Reporting Lines — Arrangements for Terminating — Manual PBX
① 473-218-001	1	Business Services Engineering — 520A PBX	473-228-540	3	Key Ended Lines — (Terminated in Turret) — Operation Tests
① 473-218-002	1	Business Services Engineering — 520B PBX	473-228-541	3	Jack Ended Lines — (Separate from PBX) — Operation Tests
① 473-218-003	1	Business Services Engineering — 520D PBX	473-228-543	2	Jack Ended Lines — Operation Tests — 551A, 551B, 551D, 552A, 552B, 552D, 552E, 555, 604C, and 605A PBX
① 473-218-010	1	Business Services Engineering — Emergency Reporting System Concentrator			
Addendum	1		<b>473-3 Emergency Reporting</b>		
473-218-210	1	Direct Line and Concentrator Systems — Tests and Inspections at Time of Installation	<b>Station Equipment Arrangements</b>		
473-218-300	1	Method of Operation	473-310-100	4	Public Emergency Reporting Systems — Identification, Installation, Connections, and Maintenance
473-218-301	1	Concentrator-Type — Method of Operation	473-310-101	1	8A Key Telephone System for Use at 911 Emergency Reporting/Answering Bureaus — Identification
473-218-500	4	Alarm Circuit SD-98053-01 — Operation Tests	473-310-102	1	8A Key Telephone System for Use at 911 Emergency Reporting/Answering Bureaus — Trouble Locating
473-218-520	3	Call Recording Circuits — Operation Tests	473-310-103	1	8A Key Telephone System for Use at 911 Emergency Reporting/Answering Bureaus — CALL DIRECTOR® Telephone Set — Method of Operation
473-218-525	1	Cord and Position Circuits — Tests and Inspections	473-310-110	1	8A Key Telephone System for Use at 911 Emergency Reporting/Answering Bureaus — Installation and Connections
473-218-610	3	Display Control Circuit SD-98060-01 and Number Display Control Circuit SD-98128-01 — Operation Tests — Concentrator System	<b>Industrial Communications System (ICS)</b>		
473-218-630	1	Paging Line and Status and Annunciator Circuits — Operation Tests	473-311-100	2	1A — System Description
473-218-655	1	Selective Routing Circuits Used With Direct Lines — Operation Tests	473-311-300	2	1A — Preinstallation and Planning Information
Addendum	1		<b>473-4 Customer Training Equipment</b>		
473-218-660	3	Station Line Circuits and Flash and Wink Circuit — Operation Tests	473-401-100	1	KS-21102 Business Phone Trainer — Description and Maintenance
473-218-661	1	Long Line Circuit SD-99545-01 — Operation Tests			
473-218-665	1	Central Office Trunk Circuits — SD-99362-01 and SD-98051-01 — Operation Tests			
473-219-300	1	Industrial Reporting System — Method of Operation			
473-219-500	1	Industrial Reporting System — Circuit Tests			



Number	Issue	Subject	Number	Issue	Subject
Addendum	1		473-503-100	2	Occasional Service System (J99317) for Use With Telephone Answering Systems — Description and Operation Information
473-401-101	1	KS-21564 Business Phone Trainer — Description and Maintenance	Addendum	1	
Addendum	1		● 473-505-201	2	Line Concentrator (J93022)-Identifier (J93021) — For Use With No. 1 Electronic Switching System (No. 1 ESS™) — Tests and Inspections at Time of Installation
473-410-100	1	KS-16161 Teletrainer			
473-411-100	4	KS-16605 Teletrainer — Description and Maintenance	473-505-202	1	Line Concentrator (J93022)-Identifier (J93021) — Used With No. 1 and No. 2 Electronic Switching Systems — Tests and Inspections at Time of Installation Using Test Set KS-21056
473-411-101	1	KS-21764 Teletrainer — Description, Operation, and Maintenance	Addendum	2	
<b>473-5 Telephone Answering Systems — Sections Common to Customer and Central Office Equipment</b>					
● 473-500-001	1	Business Services Engineering — Concentrator-Identifier	473-505-501	2	Line Concentrator (J93022)-Identifier (J93021) — For Use With No. 1 Electronic Switching System (No. 1 ESS) — Circuit Tests and Trouble Analysis
473-500-101	1	KS-21056 Test Set (SD-99608-01) — Used With Line Concentrator-Identifier Systems — Description, Calibration, and Operation	473-505-502	1	Line Concentrator (J93022)-Identifier (J93021) — Used With No. 1 and No. 2 Electronic Switching Systems — Circuit Tests and Trouble Analysis Using Test Set KS-21056
473-500-501	1	Tone Signaling Circuit SD-99556-01 (J59202) — Used With Line Concentrator-Identifier Systems — Tests and Adjustments	473-506-010	1	AUTOTAS* Call Distribution System — Traffic Engineering Practice
Addendum	1		473-510-010	1	Candela Electronics TC-300DMS Central Office Concentrator — Installation Instructions
473-501-201	3	Line Concentrator-Identifier System — Applied to Telephone Secretarial Service — Tests and Inspections at Time of Installation	473-510-011	1	Candela Electronics TC-300DMS Central Office Concentrator — Acceptance Test Procedures
473-501-202	1	Line Concentrator-Identifier (J93021) — Used With Electromechanical Central Offices — Tests and Inspections at Time of Installation Using Test Set KS-21056	473-510-012	1	Candela Electronics TC-300DMS Central Office Concentrator — Maintenance Procedures
Addendum	2		473-510-013	1	Candela Electronics Client Control Circuit — Installation, Acceptance, Maintenance Procedures
473-501-501	3	Line Concentrator-Identifier System — Applied to Telephone Secretarial Answering Service — Circuit Tests and Trouble Analysis			
473-501-502	1	Line Concentrator-Identifier (J93021) — Used With Electromechanical Central Offices — Circuit Tests and Trouble Analysis Using Test Set KS-21056			

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Number	Issue	Subject	Number	Issue	Subject
<b>473-6 Telephone Answering Systems — Sections Covering Customer Equipment</b>			473-615-012	1	AUTOTAS Call Distribution System — Maintenance Procedures
① 473-600-001	1	Business Services Engineering — General	473-615-020	1	AUTOTAS Call Distribution System — Management Terminal — Installation/Maintenance/Acceptance
① 473-600-002	1	Business Services Engineering — 554 Secretarial PBX	473-615-021	1	AUTOTAS Call Distribution System — Management Terminal — Operating Instructions
① 473-601-001	1	Business Services Engineering — 557A PBX	473-615-030	1	AUTOTAS Call Distribution System — Patcher — Installation Instructions
473-601-201	2	557A PBX—Identification, Installation, and Connections — Telephone Secretarial Service	473-615-031	1	AUTOTAS Call Distribution System — Operator Console and Patcher Operation
473-601-210	1	Tests and Inspections at Time of Installation — 557A PBX	473-615-040	1	Call Diverter Installation — Acceptance Test Procedure — AUTOTAS Call Distribution System
473-601-501	1	Circuit Tests for Secretarial Answering Service — 557A PBX	473-615-050	1	Uninterruptible Power System — Installation/Acceptance/Maintenance Procedures — AUTOTAS Call Distribution System
① 473-602-001	1	Business Services Engineering — 557B PBX	Addendum	1	
473-602-201	4	557B PBX — Identification, Installation, Connections — Telephone Secretarial Service	473-675-201	1	100A Telephone Answering System — Identification, Installation, Operation, Connections and Maintenance
473-602-210	2	Tests and Inspections at Time of Installation for Secretarial Answering Service — 557B PBX	<b>473-7 Telephone Answering Systems — Sections Covering Central Office Equipment</b>		
473-602-501	2	Circuit Tests for Secretarial Answering Service — 557B PBX	473-703-501	1	Occasional Service Circuit — SD-96605-01 and SD-96606-01 — for Telephone Answering Systems — Operation Tests (Performed at Central Office)
473-607-501	1	Occasional Service Circuit — SD-96605-01 and SD-96606-01 — for Telephone Answering Systems — Operation Tests (Performed at Telephone Answering Bureau)			
473-609-201	3	Equipment Cabinets — Identification, Installation, Service Options, and Connections — 1A Telephone Answering System			
473-609-210	3	Attendant Console — Identification, Installation, and Connections — 1A Telephone Answering System			
473-609-301	1	Attendant Equipment — Method of Operation — 1A Telephone Answering System			
473-609-501	2	Operation Tests — 1A Telephone Answering System			
473-615-000	1	Call Distribution System — Description and Operation			
473-615-010	1	AUTOTAS Call Distribution System — Installation Instructions			
473-615-011	1	AUTOTAS Call Distribution System — Acceptance Test Procedure			

**Division 475**

**Call Distributing Systems, Information Desks, and Order Turrets  
Customer Equipment**

**475-0 Indexes**

**475-1 No. 1S ACD (Automatic Call Distributing System)**

**475-2 No. 1, 2, 2A and 4 Order Turrets**

**475-3 No. 3 Order Turret**

**475-5 ACD/MIS (Automatic Call Distribution/Management Information System)**

**475-6 No. 6A Order Turret**

Number	Issue	Subject
<b>475-0 Indexes</b>		
475-000-000	22	Numerical Index — Division 475 — Call Distributing System No. 1S, Information Desks, and Order Turrets — Customer Equipment (5-95)

**475-1 No. 1S Automatic Call Distributing System**

Addendum	1	
475-100-210	2	Installation
Addendum	1	
475-100-520	1	Circuit Tests

**475-2 No. 1, 2, 2A and 4 Order Turrets**

475-200-100	1	Order Turret — No. 1 — Description
475-200-200	1	Order Turret — No. 1 — Installation
475-200-300	1	Order Turret — No. 1 — Tests and Adjustments
475-200-800	1	Order Turret — No. 1 — Supplies
475-210-100	1	Order Turret — No. 2 and 2A — Identification, Installation, and Connections

Number	Issue	Subject
475-220-100	1	Order Turret — No. 4 — Description, Installation, and Connections

**475-3 No. 3 Order Turret**

475-300-110	1	General Description
475-300-310	1	Alarms — Method of Tracing
475-300-320	1	Method of Taking Equipment Out of Service
475-300-505	1	Allotter Circuit and Associated Alarm and Registers — Tests and Inspections
475-300-507	1	Attendant Telephone and Trunk Circuits — Operation Tests
475-300-520	1	Calls Waiting Signal and Register Circuit — Tests and Inspections
475-300-655	1	Start Circuit and Associated Alarm Circuit — Tests and Inspections
475-300-665	1	Incoming Trunks — Incoming Trunk Selector Control Circuit — Operation Tests

**475-5 Management Information Systems (MIS) — Automatic Call Distribution (ACD) and Personal Computer (PC)**

■ 475-550-100	7.00	PINNACLE ACD/MIS — Supervisor's Reference Guide 5E6-5E9 Software Release 1V
Appendix 1	3.00	ACD/MIS — Information for the Switch Administrator
475-550-101	1.00	ACD/MIS — Agent's BST (Basic Service Terminal) Guide
475-550-102	1.00	ACD/MIS — Supervisor's BST Guide
475-550-104	7.00	PINNACLE™ ACD/MIS Operator/Administrator's Reference Guide — 5E6-5E9 Software Release 1V
Appendix 1	3.00	Information for the Switch Administrator — 5E4-5E6 Software Releases
Appendix 2	3.00	Customer Setup Forms — 5E4-5E6 Software Releases
Appendix 3	3.00	Software Update Administration
■ 475-550-105	7.00	PINNACLE ACD/MIS — Site Preparation Guide (5E6-5E9) Software Release 1V

Number	Issue	Subject	Number	Issue	Subject
■ 475-550-107	8.01	PINNACLE ACD/MIS Application Initial Installation/Upgrade Guide 5E6-5E9 Software Release 1V	475-550-119	2.01	PINNACLE ACD Release 6 Enhancements — Agent Communication Terminal Plus— Supervisor's Guide — 5E5 Through 5E6(2) Software Releases and 5E6 Software Releases
475-550-108	5.00	PINNACLE ACD/MIS Applications Processor Interface Specification 5E6-5E9 Software Release 1V	475-550-120	2.01	PINNACLE ACD Call Vectoring Guide Rel. 9 5E6-5E9 Software Releases
475-550-109	8.00	PINNACLE ACD/MIS Release 9 Application Interface Unit Site Preparation Guide 1V 5E6-5E9	475-550-121	1.00	PINNACLE ACD/MIS — Implementation Guide
475-550-110	6.00	PINNACLE ACD Operator/Administrator Reference Guide Application Interface Unit 5E6-5E9 Software Release 1V	475-550-126	3.00	PINNACLE ACD/MIS Release 7 — Upgrade Guide — 5E4 Through 5E6 Software Releases
475-550-111	5.00	PINNACLE ACD Supervisor Workstation Interface Specification 5E6-5E9 Software Release 1V	475-550-127	2.00	PINNACLE ACD LiNk II Interface Specification
■ 475-550-112	4.01	PINNACLE™ ACD — Release 7 Enhancements — Report Analysis Guide	■ 475-550-128	3.00	ACD/MIS Release 6 — Event and Control Link — Upgrade Guide — 5E4-5E6 Software Releases
475-550-113	2.00	PINNACLE ACD Force Management System Interface Specification Release 9 5E6-5E9 Software Release	475-550-129	1.00	ACD/MIS Release 6 — PC/MIS — Upgrade Guide — 5E4-5E6 Software Releases
475-550-114	5.00	PINNACLE ACD Agent Communication Terminal — Agent and Supervisor Guide 1V	475-550-130	2.00	PINNACLE ACD Public Data Base Interface Specification (Networking II) 5E6-5E9 Software Release 1V
475-550-115	3.00	PINNACLE ACD/MIS Agent Communication Terminal Supervisor's Guide	■▲475-550-133	3.00	PINNACLE ACD Agent Communication Terminal — User's Guide (5E6-5E9) Rel. 1V (6-92)
475-550-116	2.00	PC/MIS — (Personal Computer/Management Information System) — Site Preparation Guide — 5E4-5E6 Software Releases	■ 475-550-134	2.00	Agent Communication Terminal Plus — User's Guide (6-92)
475-550-117	2.00	PC/MIS — Installation Guide	475-550-136	5.00	PINNACLE ACD Installation Upgrade Guide for Sun* Computers 5E6-5E9 Software Release 1V
Appendix 1	1	PC/MIS — Password Table	■ 475-550-137	1.01	PINNACLE ACD Release 7 Upgrade Guide for SUN Computers
475-550-118	3.00	PINNACLE™ Automatic Call Distributor Release 7 Enhancement Agent Communications Terminal Plus Agent's Guide (5-92)	475-550-138	2.00	PINNACLE ACD 5ESS Switch Recent Change and Verify Views Guide 5E9 Release 1V
			475-550-139	3.01	PINNACLE ACD/MIS Ordering Guide for MIS on SS5 Platform and AIU on IPX Platform Release 9 5E6-5E9 Software Release 1V
			475-550-140	1.00	PINNACLE ACD Link 1 Administrator's Guide Release 1 5E5 through 5E7

\* SUN is a registered trademark of SUN Microsystems, Inc.

Number	Issue	Subject
475-550-141	1.00	PINNACLE ACD Link 1 Installation Guide Release 1 5E5 through 5E6
■ 475-550-142	1.00	PINNACLE ACD and DESTINY® ACD Link 1 Interface Spec
475-550-143	1.00	PINNACLE ACD BRCS Agent Terminal Users Guide 5E6-5E9 Software Release 1V
475-550-144	1.00	PINNACLE ACD/MIS Agent Terminal BRCS and Supervisor's Guide 5E6-5E9 Software Release 1V

#### 475-6 No. 6A Order Turret

475-600-310	2	Alarms — Method of Tracing
475-600-500	2	Alarm and Common Group Circuits — Tests and Inspections
475-600-507	2	Attendant Trunk and Position Circuits — Operation Tests — PBX Information Desk
475-600-664	1	Night Service Trunk Circuit SD-5E036-01 — Operation Test
475-600-665	2	Trunk Finders — Operation Tests
475-600-666	2	Incoming Trunks — Operation Tests — PBX Information Desk
475-600-667	1	Overflow Trunk Circuit SD-5E033-01 — Operation Tests
475-600-669	1	Overflow Control Circuit SD-5E026-01 — Operation Test

**Division 476**

**Force Administration Data System  
(FADS) Automatic Call Distributing Systems  
(ACDS)  
No. 2A, 2B, and 3A, and Call Distributing System  
No. 4A  
Customer Equipment**

**476-0 Indexes and Equipment Test Lists**

**476-1 Equipment Common to ACDS**

**476-2 2-TYPE ACD**

**476-3 NO. 3A ACD**

**476-4 NO. 4A CD**

**476-6 General Trade Products — ACD**

**Number Issue Subject**

**476-0 Indexes and General Test Lists**

476-000-000	90	Numerical Index — Division 476 — Force Administration Data System (FADS) — Automatic Call Distributing Systems (ACD) — No. 2A, 2B, and 3A, and Call Distributing System No. 4A — Customer Equipment
476-001-011	5	ETL — No. 2A ACD
476-001-013	5	ETL — No. 3A ACD

**476-099 Customer Information Releases (CIRs)**

- 476-099-001IR 1 Single Line Interface Unit for Business Office Force Administration Data System (BOFADS), Operations Systems
- 476-099-002PS 1 Single Line Interface Unit for Business Office Force Administration Data System (BOFADS), Operations Systems
- 476-099-003TD 1 Single Line Interface Unit for Business Office Force Administration Data System (BOFADS), Operations Systems

Number	Issue	Subject
<b>476-1 Equipment Common to ACDs</b>		
① 476-100-002	1	Business Services Engineering — CCS Capacity Tables
① 476-100-003	1	Business Services Engineering — Design Consideration
① 476-100-004	1	Business Services Engineering — Force Administration Data System (FADS)
476-100-101	1	KS-21055 NATIS Test Set — Used With Automatic Call Distributing Systems — Description, Installation, Tests, and Maintenance
476-100-104	1	3B Traffic Usage Recorder — Description, Installation, Connections, Tests, Trouble Location
476-100-106	1	KS-15947 Totalizer Circuit SD-95965-01 — Description — Installation — Tests
476-100-501	1	Trunk Identification Control Circuit J53131W — Operations Test
476-100-600	1	Centralized Attendant Service — Business Services Traffic Engineering
476-100-701	1	KS-12068, L7 Recorder-Reproducer and Trunk Identification Announcement Amplifiers — Requirements, Adjustments, and Trouble Analysis — 2- and 3-Type Automatic Call Distributors (ACD)
476-121-100	2	Business Office Force Administration Data System (BOFADS) Using Pollable Data Terminal (PDT) No. 2A — Description and Operation
476-121-101	1	Business Office Force Administration Data System — Down Line Loading (BOFADS-DLL) — Description and Operation
Addendum	1	
476-121-105	2	Business Office Force Administration Data System (BOFADS) Using Pollable Data Terminal (PDT) No. 2A — Installation
476-121-106	2	Business Office Force Administration Data System — Loading (BOFADS-DLL) — Installation
476-121-107	2	Business Office Force Administration Data System — Down Line Loading (BOFADS-DLL) — Retrofit Installation

Number	Issue	Subject	Number	Issue	Subject
476-121-110	2	Business Office Force Administration Data System (BOFADS) Using Pollable Data Terminal (PDT) No. 2A — Trouble Locating Procedures	476-215-210	5	Miscellaneous Equipment — Area Identification Equipment, Auxiliary Trunk Units, Hold Units, Announcement Set, 20-Cycle Detector Units, Fads Auxiliary Units, and Auxiliary Incoming Trunk Units — Method of Connecting
476-121-111	1	Business Office Force Administration Data System — Down Line Loading (BOFAD- DLL) Trouble — Locating Procedures	Addendum	1	
476-130-105	2	13A Customer Information System (CIS) — Descriptive Information	① 476-216-210	4	Distributing Frame Cross-Connections
476-130-107	2	13A Customer Information System (CIS) — Identification and Preinstallation	Addendum	1	
			476-218-210	4	Service Options — (Trunks, Position Trunks, Night Connections, and Registers) — Method of Providing
			476-220-210	1	Tests and Inspection at Time of Installation
			476-222-501	2	Alarms — Operation Tests
			476-223-501	3	Traffic Registers — Operating Tests Using Test Set SD-65983-01 (J53131AG)
			Addendum	1	
			476-225-501	2	Attendant Telephone Position — Operation Tests Using Test Set SD-65983-01 (J53131AG)
			476-227-501	1	Supervisors Telephone Position — Operation Tests
			476-229-501	2	Link, Controller, and Gate Circuit — Operation Tests — Using Test Set SD-65983-01 (J53131AG)
			476-237-501	3	Incoming Trunk Circuit Operation Tests — Using Test Set SD-65983-01 (J53131AG)
			476-243-501	2	Automatic Selection and Auxiliary Trunk Circuit for Outward Service From Attendant Position — Operation Tests — Using Test Set SD-65983-01 (J53131AG)
			476-247-501	3	Night Service Trunk Circuit — Operation Tests — Using Test Set SD-65983-01 (J53131AG, L1 or L3)
			476-249-501	2	Auxiliary Trunk Circuit — For Outward Service — From Switchboard to Central Office — Operation Tests Using Test Set SD-65983-01 (J53131AG)
			476-256-501	1	Operation Tests
			476-256-502	1	Transmission Tests 2A
<b>476-2 2-TYPE ACD</b>					
<b>No. 2A Automatic Call Distributing System</b>					
① 476-200-001	1	Business Services Engineering			
Addendum	1				
476-200-210	5	Identification and Installation			
476-202-210	4	Crown and Power Cables — Method of Connecting			
476-204-200	4	House and Feeder Cables — Basic Cabinet — Method of Connecting to Distributing Frame			
Addendum	3				
476-204-202	3	House and Feeder Cables — First Supplementary Cabinet — Method of Connecting to Distributing Frame			
Addendum	1				
476-204-204	3	House and Feeder Cables — Second Supplementary Cabinet — Method of Connecting to Distributing Frame			
476-204-206	4	House and Feeder Cables — Transfer Cabinet — Method of Connecting to Distributing Frame			
Addendum	1				
476-210-210	6	Attendant Telephone Position — 10- or 11-Type Telephone Console and 12- or 14-Type Apparatus Unit — Method of Connecting			
476-212-210	4	Supervisor Telephone Position — Method of Connecting			
476-214-210	3	Supervisor Position Lamp Cabinet — Method of Connecting to Distributing Frame			

Number	Issue	Subject	Number	Issue	Subject
<b>No. 2B Automatic Call Distributing System</b>					
● 476-270-001	1	Business Services Engineering	476-309-501	3	Supervisor Telephone Position — Operation Tests
476-270-201	4	Identification and Installation	476-312-501	2	Finder Circuits 8-Wire — SD-65962-01 and SD-65975-01 — Operation Tests — Using Test Circuit SD-65963-01 and SD-5E049-01 or SD-65966-01 and SD-5E049-01
476-270-202	3	Cabinet Crown Strapping and Cabling — Method of Providing			
476-270-203	4	Cabling and Cross-Connections — Method of Providing — 2B			
476-270-204	4	Service Options — Method of Providing	476-313-501	2	Split Gate Finder Circuit SD-5E035-01 and Split Gate Group Circuit SD-5E050-01 — Operation Tests Using Test Set SD-65983-01 (J53131AG)
476-270-205	4	Miscellaneous Equipment Connections			
476-270-301	1	Trouble Locating Information			
476-270-302	2	Consoles — Method of Operation (For Large 2B ACD Attendant Application)	476-314-501	1	Selectors — Operation Tests — Using Test Set SD-66073-01 (J54701B)
476-270-303	1	Telephone Sets — Method of Operation (For Small 2B ACD Attendant Application)	476-314-502	1	Selectors — Rotary — Cut-In and Release Tests Using Dial Hand Test Set 3A Automatic Call Distributing System
476-270-501	1	Tests and Inspection at Time of Installation			
476-270-503	2	Acceptance and Operation Tests Using J53131AG L3 Test Set	476-319-501	3	Delayed Answer Announcement Circuit SD-65971-01 — Operation Tests — Using Test Set SD-65983-01 (J53131AG)
476-270-505	1	Transmission Tests — 2B			
476-271-301	1	Consoles — Method of Operation — Centralized Attendant Service	476-321-501	3	Announcement Trunk Circuit SD-65979-01 — Operation Tests — Using Test Set SD-65983-01 (J53131AG) — 3A Automatic Call Distributing System
<b>476-3 NO. 3A ACD</b>					
● 476-303-001	1	Business Services Engineering	476-323-501	4	Incoming Trunk Circuits SD-65961-01 and SD-65978-01 — Operation Tests
● 476-303-002	1	Business Services Engineering — Split Gate-Interflow Arrangement	476-324-501	1	Incoming Trunk Group Peg Count Totalizer SD-65981-01 — 3A Automatic Call Distributing System — Operation Test
● 476-303-003	1	Business Services Engineering — Automatic Overflow Arrangement	476-325-501	3	Attendant Trunk Circuit SD-65964-01 and Night Service Trunk Circuit SD-65967-01 — Operation Tests — 3A Automatic Call Distributing System
Addendum	1				
476-303-410	1	Attendant Telephone Position — 10- or 11-Type Telephone Consoles and 12- or 14-Type Apparatus Unit — Method of Connecting	476-328-501	3	Transfer Trunk Circuit SD-65970-01 — Operation Tests
476-303-412	1	12B-Type Telephone Console — Connections	476-328-502	1	Transfer Trunk (SD-65976-01) — Operation Tests
476-305-501	3	Alarms — Operation Tests	476-330-501	1	Trunks — Operation Tests From Selector Levels — Using Dial Hand Test Set
476-305-502	1	Alarms — (SD-5E049-01) — Operation Tests			
476-307-501	3	Attendant Telephone Position — Operation Tests — Using Test Set SD-65983-01 (J53131AG)	476-332-501	3	Auxiliary Incoming Trunk Circuit SD-1E070-01, Auxiliary Trunk Circuit SD-65972-01, and Attendant Line Circuit SD-65977-01 — Operation Tests



Number	Issue	Subject	Number	Issue	Subject
476-335-501	3	Traffic Registers — Operation Tests	<b>Telephone Company Business Office Force Administration Data System</b>		
476-337-501	2	Load Balancing and Overflow Common Control Circuit SD-5E022-01 — Operation Tests	476-360-101	3	1A1 and 1A2 Key Telephone Systems — Description, Identification, Installation, Connections, and Tests
476-338-501	2	Overflow Control Circuit SD-5E026-01 — Operation Tests — 3A Automatic Call Distributing System	<b>476-4 NO. 4A CD</b>		
476-339-501	3	Overflow Trunk Circuit SD-5E032-01 — Operation Tests — Using Test Set SD-65983-01 (J53131AG)	● 476-400-001	1	Business Services Engineering
476-344-501	2	Force Administrative Data System (FADS) — 3A Automatic Call Distributing System — Operation Tests	476-400-200	2	Identification, Installation, and Connections
476-344-502	1	Transmission Tests — Maintenance	476-400-300	2	Maintenance and Method of Operation
			476-401-301	1	Centralized Attendant Service — Method of Operation and Modifications
			<b>476-6 General Trade Products — ACD</b>		
			● 476-600-001	1	Collins "Galaxy" ACD

**Division 478**

**Building Management Systems**

**478-0 Indexes and General Information**

**478-1 Automated Building Management**

**478-2 Energy Communications Service Adjunct**

Number	Issue	Subject
<b>478-2 Energy Communications Service Adjunct</b>		
478-200-101	1	Master Remote Unit-Service Manual
478-200-102	1	Installation and Test-Service Manual
478-200-104	1	Administration and Maintenance-Service Manual

Number Issue Subject

**478-0 Indexes and General Information**

478-000-000	4	Numerical Index — Division 478 — Building Management Systems
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**478-1 Automated Building Management**

- 478-100-100 1 System Description Replaced by 999-700-056
- 478-100-101 1 Preinstallation Planning Replaced by 999-700-463
- 478-100-102 2 Administration — Service Manual
- 478-100-103 2 Growth and Rearrangements (Service Manual)
- 478-100-104 2 Installation
- 478-100-105 2 Maintenance
- 478-100-106 2 Installation Tests
- 478-100-107 1 Sensors and Controls  
NOTE: Replaced by 999-700-463
- 478-100-201 1 Energy Management Feature  
NOTE: Replaced by 999-700-056
- 478-100-202 1 Admittance Control/Security Feature  
NOTE: Replaced by 999-700-056
- 478-100-203 1 Alarm Monitoring and Reporting Feature  
NOTE: Replaced by 999-700-056

**Division 480**

**Private Service Systems Customer Equipment**

**480-2 Indexes**

**480-1 Crash Alarm and Command Conference Systems**

**480-2 Civil Defense Warning System (CDW) — Station Equipment**

**480-3 Group Alerting System — Station Apparatus; 1A Telephone Warning System; 10A Alerting System; 11A Alerting System and KS-19557 Detector**

**480-5 SAGE Systems — 112A Key Equipment and SAC Main Operating Base Turret**

**480-6 Private Line Terminations and Selective Signaling Systems**

**480-7 Switching Systems — Customer Equipment**

**480-8 PBX Access — AUTOVON**

Number	Issue	Subject
<b>480-0 Indexes</b>		
480-000-000	15	Numerical Index — Division 480 — Private Service Systems — Customer Equipment
480-010-100	2	4-Wire Private Line Circuit — Powered From Central Office SD-69902-01 — Identification, Connections, and Tests
480-050-100	1	Special Services — Direct Private Line Service Interconnection Installation and Maintenance Responsibilities for Private Line Service Directly Connected to a Customer and/or Other Common Carrier Provided Communications System Channel.
<b>480-1 Crash Alarm and Command Conference Systems</b>		
480-139-110	1	General Description
480-139-500	2	Crash Alarm Circuits — Operation Tests — 551A, 551B, 551D, 604C, 605A, 701A and 711A PBX

Number	Issue	Subject
480-139-501	2	Crash Alarm Circuits — Arranged for Continuous Test of Station Lines — Operation Tests — 701A or 711A PBX
480-139-520	2	Command Conference Circuits — Operation Tests — 605A, 701A, and 711A PBX

**480-2 Civil Defense Warning System (CDW) — Station Equipment**

480-210-100	6	Identification
480-210-200	4	Bell and Lights — Installation and Maintenance
480-210-400	4	Bell and Lights — Connections

**480-3 Group Alerting System — Station Apparatus; 1A Telephone Warning System; 10A Alerting System; 11A Alerting System and KS-19557 Detector**

**480-310 Group Alerting System — Station Apparatus**

Addendum	1	
480-310-100	3	Identification
480-310-200	4	Installation and Maintenance
Addendum	1	
480-310-400	5	Connections

**480-315 1A Telephone Warning System**

480-315-100	1	Identification, Installation, Connection, and Maintenance
480-315-500	2	Tests

**480-316 10A Alerting System**

480-316-301	1	Console — Method of Operation
Addendum	1	
480-316-501	2	Periodic Maintenance and Overall Tests

**480-317 11A Alerting System**

480-317-500	2	Periodic Maintenance and Overall Tests
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Number	Issue	Subject	Number	Issue	Subject
<b>480-5 SAGE Systems — 112A Key Equipment and SAC Main Operating Base Turret</b>			<b>480-617 4-Wire Private Line Terminating Circuit SD-1G297-01</b>		
480-510-100	4	Description of Equipment Arrangements	480-617-100	4	Identification, Installation, and Connections
480-510-105	1	Conference Circuit SD-69490-01 and Alternate Termination Transfer Circuit SD-69492-01 — Description of Operation	<b>480-621 Selective Signaling Systems</b>		
Addendum	1		480-621-200	2	SS-1 — Identification, Installation, Connections, and Service Options — Private Line Telephone Service
480-510-106	1	Addressable Data Station Switching — Circuit SD-1G244-01, and Site Control Circuit SD-1G246-01 — Identification, Operation, Maintenance	480-621-202	3	SS-1 or SS-1A — 2-Digit Touch-Tone to Dial Pulse Conversion — Identification, Installation, Connections
480-520-301	2	SAC Main Operating Base Turret — Method of Operation	480-621-500	1	SS1 — Operational Sketches and Sequence Charts — Private Line Telephone Service
480-520-501	1	SAC Main Operating Base Turret — Lineup and Overall Tests	480-621-501	2	SS1 — Overall Tests — Private Line Telephone Service
<b>480-6 Private Line Terminations and Selective Signaling Systems</b>			480-621-502	3	SS-1 — Decoder and Keyer — Detailed Tests — Private Line Telephone Service
<b>480-610 Station Arrangement for 2- and 4-Wire No. 5 Crossbar Central Office Lines</b>			480-621-503	2	SS-1 or SS-1A — 2-Digit Touch-Tone to Dial Pulse Conversion Equipment, Detailed Tests
480-610-100	3	Identification and Connections	480-622-200	3	SS-1A — Identification, Installation, Connections, Service Options — Private Line Telephone Service
<b>480-611 Preemption Tone Detector (AUTOVON) — Customer- Provided PBX or Station</b>			480-622-501	2	SS-1A — Overall Tests — Private Line Telephone Service
480-611-100	1	Identification, Connections, Maintenance	480-622-502	2	SS-1A — Decoder and Keyer — Detailed Tests — Private Line Telephone Service
<b>480-612 Echo Suppression and Anti-Sing Circuit SD-1G283-01</b>			480-623-001	4	SS-4 — With or Without Off-Network Access — Identification, Installation, and Connections — 4-Wire Private Line Telephone Service
480-612-100	1	Identification, Installation, Connection, and Line-Up Procedures	480-623-002	1	SS-4 Selective Signaling System — Maintenance — Private Line Telephone Service
<b>480-615 4-Wire Private Line Terminating Circuit, SD-69566-01</b>			480-625-210	2	SS-3 Touch-Tone — Identification, Installation, Connections, Operational Tests and Maintenance
480-615-100	4	Identification, Installation, Connections, Lineup Procedures	480-630-210	1	SS-3 Order Wire — Initial Lineup and Maintenance Tests
<b>480-616 4-Wire Private Line Terminating Circuit, SD-69449-01</b>					
480-616-100	2	Identification, Installation, and Connections			

Number	Issue	Subject	Number	Issue	Subject
<b>480-7 Switching Systems — Customer Equipment</b>			480-714-103	1	No. 307 — Sequence Circuit Unit — Description
480-707-301	1	No. 302 — Method of Operation	480-714-104	1	No. 307 — Dual Access Switch — Description
480-707-501	1	No. 302 — Tests, Inspections, and Line-Up	Addendum	1	
480-708-301	4	No. 301A — Method of Operation	480-714-105	2	No. 307 — 2626A1 Telephone Set — Description
480-708-501	4	No. 301A — Lineup and Overall Tests	Addendum	1	
480-709-301	1	No. 301 — Method of Operation	480-714-106	1	No. 307 — Alarm Circuit Unit — Description
● 480-710-001	1	No. 300 — Business Services Engineering	480-714-200	3	No. 307 — Installation
480-710-100	4	No. 300 — Position Equipment Identification	Addendum	1	
Addendum	1		480-714-301	1	No. 307 — 4-Wire CO Line Circuit Unit — Maintenance Tests
480-710-301	3	No. 300 — Method of Operation	480-714-302	2	No. 307 — Line Transfer Circuit Unit — Maintenance Tests
480-710-400	3	No. 300 — Sequence Charts and Operational Sketches — Land Line Operation	480-714-303	1	No. 307 — Sequence Circuit Unit — Maintenance Tests
480-710-401	1	No. 300 — Sequence Charts and Operational Sketches — Radio Line Operation	480-714-304	1	No. 307 — Dual Access Switch — Maintenance Tests
480-710-501	1	No. 300 — Overall Tests Using J53026BN Portable Test Box or J53026EW Portable Test Set Equipped With Dial Pulse Counter	480-714-305	1	No. 307 — 2626A1 Key Telephone Set — Maintenance Tests
Addendum	1		480-714-306	1	No. 307 — Alarm Circuit — Maintenance Tests
480-711-500	2	No. 304 — Overall Tests	480-714-500	2	No. 307 — Station Test Procedures
480-712-100	1	Control and Display System Used in Conjunction With a 304 Switching System — Console Operating Procedures	480-714-501	1	No. 307 — Out-of-Service Test — Procedures for High-Speed Send/Receive (HS S/R) Station
480-713-100	1	Command Post Alerting Network (COPAN) Residence Station Apparatus Used With No. 306 — Identification, Installation, and Connections	480-716-200	3	No. 309 — Identification, Installation, Connections, and Tests and Inspections During Installation
480-713-301	4	306 Console — Method of Operation	480-716-501	2	No. 309 In-Service Operational Tests
480-713-500	2	No. 306 — Line-up and Overall Tests	480-717-300	2	No. 310 Console — Method of Operation
480-713-501	1	306 — AUTOVON Access Line Sharing Circuit — 2-Station, 2-Line Appearances — Description, Lineup, and Testing	480-717-500	4	No. 310 — Line-Up and Overall Tests
480-714-101	2	No. 307 — 4-Wire CO Line Circuit Unit — Description	480-720-100	2	Modular Terminal Communication System (MTCS) — Installation, Connections, and Lineup Procedures
480-714-102	2	No. 307 — Line Transfer Circuit Unit — Description	480-720-101	1	Modular Terminal — Communication System — Maintenance
			480-720-200	2	Modular Terminal Communication System (MTCS) — Method of Operation

Number	Issue	Subject
<b>480-8 PBX Access — AUTOVON</b>		
480-801-100	1	Telephone Consoles — Type F-60833 (No. 2 Electronic Switching System ESS™ AUTOVON) — Identification, Installation, and Maintenance
480-801-110	1	No. 2 Electronic Switching System (ESS) Centrex — Autovon
480-801-300	1	812A — Attendant Console (155A6E-03L) — Method of Operation
480-801-500	1	812A — Initial Lineup and Maintenance Tests

**Division 481****Teleconferencing Services****481-0 Index****481-1 Audio Teleconferencing**

-100 QUORUM® 100A Conference System — Identification, Installation, Operation, and Maintenance

-102 5ESS® Switch — Teleconferencing Equipment NJ00518

**481-2 Video Teleconferencing**

Number	Issue	Subject
<b>481-0 Index</b>		
481-000-000	16	Numerical Index — Division 481 — Teleconferencing Services (5-95)

**481-1 Audio Teleconferencing****481-100 QUORUM® Conference Systems**

481-100-100	1	QUORUM 100A Conference System Used With 4A Speakerphone System
481-100-101	1	QUORUM 100A Conference System Used With a 50A1 Conference Set
481-100-102	1	QUORUM 100A Conference System Used With a Group Audio Teleconferencing
481-100-200	1	AT&T QUORUM A28 Conferencing Bridge Reference Guide
481-100-201	1	AT&T QUORUM A28 Conferencing Bridge User's Guide
481-100-202	1	AT&T QUORUM A28 Calling Processor Reference Guide

**481-102 5ESS® Switch — Teleconferencing Equipment NJ00518**

481-102-100	1	Description
481-102-105	1	Installation and Maintenance

Number	Issue	Subject
<b>481-2 Video Teleconferencing</b>		
<b>481-200/203 Picturephone Meeting Service — Conference Center</b>		
<b>General</b>		
481-200-001	1	System Description for Initial Service
481-200-002	2	Description
<b>TV Processor</b>		
481-201-001	1	KS-22456 — Description
481-201-002	1	CLI VTS 1.5E — Description
481-201-010	1	KS-22456 — Installation and Connections
481-201-020	1	KS-22456 — Operation, Maintenance, Trouble Locating, and Acceptance Tests
<b>Room Controller Equipment</b>		
481-202-001	2	Description
481-202-010	2	Installation and Connections
481-202-020	2	Operation, Maintenance, Acceptance Tests, and Trouble-Locating
<b>General Trade Equipment</b>		
481-203-001	2	Basic Room Description
481-203-002	1	SHARP* Camera Description
481-203-003	1	PANASONIC† Camera and SONY‡ Monitor — Description
481-203-010	2	Basic Room — Installation and Connections
481-203-011	1	SHARP Camera — Installation and Connections
481-203-012	1	PANASONIC Camera and SONY Monitor — Installation and Connections
481-203-020	2	Basic Room — Operation, Maintenance, Trouble Locating, and Acceptance Tests

\* SHARP is a registered trademark of Sharp Electronics Corporation

† PANASONIC is a registered trademark of Matsushita Electric Corporation of America

‡ SONY is a registered trademark of Sony Corporation of America

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
481-203-021	1	M SHARP Camera Operation, Maintenance, Trouble Locating, and Acceptance Tests
481-203-022	1	PANASONIC Camera and SONY Monitor Operation, Maintenance, Trouble Locating, and Acceptance Tests



**Division 500****General Considerations For Station Installations  
Customer Equipment****500-0 Indexes****500-1 Transmission Zoning, Inductive Noise, Ringing  
Bridge Limitations, Selection Of Apparatus, Radio  
Suppression, Special Connections, and Dial Restriction****500-2 Plant Field Station Administration****500-8 Packaging and Handling — Disconnected Apparatus**

Number	Issue	Subject
<b>500-0 Indexes</b>		
500-000-000	49	Numerical Index — Division 500 — General Considerations for Station Installations — Customer Equipment
<b>500-1 Transmission Zoning, Inductive Noise, Ringing Bridge Limitations, Selection of Apparatus, Radio Suppression, Special Connections, and Dial Restriction</b>		
500-110-100	6	Selection of Apparatus by Class of Service and Zone
500-112-100	10	Reference — Inductive Noise
500-114-100	6	Station Ringing Apparatus — Selection and Limitations
500-120-100	5	Telephone Apparatus and Materials — Color
500-124-180	5	Station Sets and Apparatus for Special Applications — Selection

**Number Issue Subject**

500-128-180	8	Selection of Telephone Apparatus for Impaired Hearing, Speech, and Sight
500-130-180	4	Subscriber Sets and Externally Mounted Ringers — Selection for General Use
500-150-100	11	Radio Signal Suppression — For Telephone Sets — Identification, Installation, and Maintenance
500-155-100	6	Key Telephone Sets Dial Restriction — Identification, Connections, and Testing

**500-2 Plant Field Station Administration**

500-200-011	1	Administration of the Kit Plan and Field Turnaround of Telephone Sets and Bases
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**500-8 Packaging and Handling — Disconnected Apparatus**

500-810-200	2	Disconnected Station Apparatus
500-815-200	1	Disconnected 400-Type KTUs
500-820-200	1	Disconnected 1-Type Telephone Answering Sets
500-820-201	1	Disconnected 2-Type Telephone Answering Sets
500-820-203	1	Disconnected KS-16378 Telephone Answering Sets
500-820-205	1	Disconnected KS-16923, List 1 Telephone Answering Sets
500-820-207	1	Disconnected KS-19245, List 1 Telephone Answering Sets
500-830-200	1	Disconnected KS-16765, List 1 Announcement Sets
500-840-200	1	Disconnected KS-16844 Rapidial

**Division 501**

**Business Systems and Station Equipment Station Set Components Customer Equipment**

**501-0 Index**

**-099 Customer Information Releases (CIRs)**

**501-1 Apparatus Blanks, Buzzers, Bells, Capacitors, Transformers, Cords, Cord Reels, Designation Strips and Cards, Dials, Filters, Timers, and Modification Kits**

**501-2 Handsets, Receivers, Transmitters, and Ringers**

**501-3 Electron Tubes, Polarity Guards, Varistors, Ringer Isolators, and Termination Units**

**501-4 Telephone Units and Mountings For Customer-Owned Enclosures**

Number	Issue	Subject
<b>501-0 Index</b>		
501-000-000	71	Numerical Index — Division 501 — Station Set Components — Customer Equipment
<b>501-099 Customer Information Releases (CIRs)</b>		
<input type="checkbox"/> 501-099-001PS	1	H4DU Telephone Handset Cord, Premises Distribution Products
<input type="checkbox"/> 501-099-002PS	1	Z100A/Z101A Filters, Premises Distribution Products
<b>501-1 Apparatus Blanks, Buzzers, Bells, Capacitors, Transformers, Cords, Cord Reels, Designation Strips and Cards, Dials, Filters, Timers, and Modification Kits</b>		
501-110-100	5	Apparatus Blanks — Identification
501-120-100	12	Reference — Buzzers and Bells — Identification, Installation, Maintenance, Limitations, and Connections
501-130-100	6	Capacitors — Identification
501-135-100	4	Networks

Number	Issue	Subject
501-136-100	7	Station Transformers — Identification
501-140-100	3	Telephone Station Cords — General
501-140-101	1	Station Cords — Even Count Color Code
501-140-102	12	Handset Cords — Identification
501-140-103	12	Mounting Cords for Single-Line and One-Button Telephone Sets — Identification and Selection
501-140-104	6	Mounting Cords for 4- and 6-Button Key Telephone Sets
501-140-105	6	Mounting Cords for CALL DIRECTOR® Telephone Sets
501-140-106	4	Mounting Cords for 10- and 20-Button Telephone Sets — Identification
501-140-107	5	Mounting Cords for Telephone Consoles
501-140-108	3	Handset Cords — Message Waiting
501-140-120	7	Test Set and Miscellaneous Cords for Station Use — Identification
501-144-100	7	Cord Reels — 2-, 3-, and 5-Type — Identification
501-150-100	7	Station Number Cards — Identification and Installation
501-150-101	4	Transparent Windows for Turn-button and Key Telephone Sets — Identification
501-150-102	6	Designation Strip and Cards
501-160-100	10	Dial Mounting and Dial Adapters
501-162-100	15	Station Dials — 6, 7, and 8 Types — Identification and Maintenance
501-162-101	8	9-Type Station Dials — Identification and Maintenance
501-162-102	6	Station Dials — 10- and 11-Type — Identification and Maintenance
501-162-103	3	Station Dials — Touch-Tone Type — Selection
501-163-100	1	Station Dials — 40 Type
501-163-101	4	Station Dials — 41-Type — Identification, Operation, and Maintenance
501-164-101	3	Station Dials — 21 Type — Identification and Maintenance

Number	Issue	Subject	Number	Issue	Subject
501-164-102	5	Station Dials — 22-Type — Identification and Maintenance	501-165-102	4	43B and 53B Station Dials — Identification, Installation, Operation, Connections, and Maintenance
501-164-103	1	Station Dials — 23 Type	501-165-110	4	Station Dial — 53A
501-164-105	5	Station Dials — 25-Type — Identification and Maintenance	501-165-115	3	Station Dials — 70-Type — Identification and Maintenance
501-164-106	4	Station Dials — 26 Type — Identification, Operation, Maintenance, and Connections	501-165-117	3	72-Type Station Dials — Identification, Connections, and Maintenance
501-164-108	1	Station Dials — 28A — Identification and Maintenance	501-165-118	1	73-Type Station Dials — Identification and Maintenance
501-164-115	10	35-Type Station Dials — Identification and Maintenance	501-165-180	4	Station Dials — 80, 82, and 83 Types — Identification and Maintenance
501-164-116	3	Station Dials — 36-Type — Identification, Operation, Maintenance, and Connections	501-165-200 IS	2	300- and X300-Type Station Dials — Identification, Connections, and Replacement
501-164-117	1	Station Dials — F-58553 — Identification, Maintenance, and Connections	501-166-100	2	Tone Detector-1A350
501-164-118	1	Dial — 51A — Identification, Operation, and Maintenance	501-170-100	1	61-Type Filters — Identification
501-164-128	2	Station Dials — 1025-Type — Identification, Installation, Maintenance, and Connections	501-170-200	1	61-Type Filters — Installation and Maintenance
501-164-130	12	Station Dials — 1035 and F-56309 Types — Identification and Connections	501-185-100	8	Modification Kits — Selection
501-164-131	6	Station Dials 1036 and F-56310 Types — Identification and Connections	501-186-100 IS	1	Z34A Message Waiting Indicator — Identification, Installation, Operation, and Maintenance
501-164-132	1	F-58556 Station Dial	<b>501-2 Handsets, Receivers, Transmitters, and Ringers</b>		
501-164-133	2	Station Dial — 1037B — Identification, Connections, and Maintenance	501-210-101	4	Handsets — F-Series — Identification, Maintenance, and Connections
501-164-201	5	870A1 and 2870A1 Touch-a-Matic® 32 Automatic Dialer — Identification, Installation, Connections, Operation, and Maintenance	501-210-102	9	G3, G4, G5, and G11-Type Handsets — Identification, Maintenance, and Connections
501-164-202	4	870B1M and 2870B1M Touch-A-Matic® — 32 Automatic Dialer — Identification, Installation, Connections, Operation, and Maintenance	501-210-103	7	Handset G12A, G15A, and G15Y — Identification, Connections, and Maintenance
501-164-203	2	1200AR1 and 1200AT1 Touch-A-Matic® 12 Automatic Dialer — Identification, Installation, Connections, Operation, and Maintenance	501-210-104	3	Handset-J1A
501-165-101	4	Station Dial — 43A	501-210-105	3	K-Type Handsets — Identification, Connections, and Maintenance
			501-210-110	3	M1A and M2A Handsets — Identification, Connections, and Maintenance
			501-210-120	1	Handsets — KS-16504 Type — Identification, Connections, and Maintenance
			501-210-125 IS	1	N-Type Handsets Identification, Connections, and Maintenance

Number	Issue	Subject	Number	Issue	Subject
501-210-130	1	R-Type Handsets — Identification, Maintenance, and Connections	501-258-101	5	L1A-Type Ringers — Identification, Installation, Connections, and Maintenance
501-211-102	6	G6, G7, G8, G13, G66-, and K6-Type Handsets (Amplifier) — Identification, Connections, Conversion, and Maintenance	501-258-400	1	Service Ringer — L1A
501-211-103	2	G36-Type Handsets — Identification, Connections, and Maintenance	501-259-100	6	M- and N-Type Ringers — Identification and Maintenance
501-220-100	11	Receiver, Receiver Unit, and Holders — Selection	501-259-101	9	P-Type Ringers — Identification and Maintenance
501-225-100	6	KS-14720, List 2 Headset — (Bone Conduction Receiver) — Identification, Connections, and Maintenance	501-260-100	4	S1A and S1AM Tone Ringer — Identification, Installation, Connections, and Maintenance
501-226-100	4	Amplifiers — 238, 276, and 277 Types— Identification and Installation	501-260-110	2	T1A Ringer — Identification and Maintenance
501-226-101	4	Amplifiers — 151-, 241-, and 242-Type — Identification	501-260-111	2	CSW1A Tone Ringer — Identification, Installation, Connections, and Maintenance
501-226-102	1	Amplifiers — 315-Type	<b>501-3 Electron Tubes, Polarity Guards, Varistors, Ringer Isolators, and Termination Units</b>		
501-230-100	9	Transmitters and Transmitter Units — Identification, Installation, and Maintenance	501-320-100	5	Diodes Used for Ringing — Identification, Installation, and Connections — (425A, 426A Tubes, and 426N Diode, 813BH Diode)
501-230-101	1	Telephone Sets Modified for Transmitter Cutoff Using Exclusion Switch — Identification and Connections	501-321-100	7	Polarity Guards — Identification
501-250-100	4	Ringers — B, C, and D Types — Identification	501-322-100	1	Ringling Range Extender — 10A — Identification, Installation, and Connections
501-250-300	1	Ringers — General Maintenance and Ringing Tests	501-322-101	3	11A and 11B Ringling Range Extenders
501-250-301	1	Ringers — Numbered Type — Maintenance	501-370-100	5	Diodes and Varistors — Identification
501-250-302	2	Ringers — B-Type — Maintenance	501-375-100	3	Ringer Isolator — (D-180036 Kit of Parts)
501-250-303	4	Ringers — C-Type — Maintenance	501-375-101	3	28A Ringer Isolator
501-250-304	4	Ringers — D1-Type — Maintenance	501-376-100	3	D-180489 Kit of Parts
501-251-100	10	Ringer — E1-Type	501-380-100	2	1A Termination Unit
501-252-100	9	F1A Ringer	501-380-102	1	603A Ringing Extender
501-252-400	3	Service — F1A Ringer	<b>501-4 Telephone Units and Mountings For Customer-Owned Enclosures</b>		
501-253-100	3	G1-Type Ringers — Identification and Maintenance	501-410-101	2	F-56659 and F-56660 Telephone Set Components for Installation in Customer- Provided Housings — Identification, Installation, Connections, and Maintenance
501-254-100	2	H1-Type Ringer — Identification and Maintenance	501-410-400	1	F-56659 and F-56660 Components for Customer-Owned Housings
501-256-100	1	J1A Ringer — Identification and Maintenance			

Number	Issue	Subject
501-415-101	1	Telephone Sets and Bases (Less Housings) and Apparatus Units in Customer-Owned Enclosures — Identification, Installation, Selection, Connections, and Maintenance
501-420-101	2	Telephone Set Components — Dials, Dial Mountings, Keys, Key Mountings, and Line Switches for Installation in Customer-Owned Enclosures — Identification, Installation, Connections, and Maintenance
501-420-102	2	Telephone Set Components — Amplifiers, Cord Reels, Handsets, Loudspeakers, Networks, Ringers, and Transmitters in Customer-Owned Enclosures — Identification, Installation, Connections, and Maintenance

#### 501-5 Business Systems Components Source Information

##### 501-501 Roadrunner Source Books

501-501-000	10/91 Roadrunner Document Set	
	NOTE: This document includes:	
	518-600-130	518-600-131
	518-600-132	518-010-130
	518-453-130	555-500-130
	555-200-130	555-201-130
	555-100-130	518-810-130

**Division 502**

**Common Battery Station Sets**

**502-0 Indexes**

**502-1 General Information**

**501-2 Subscriber Sets**

**502-3 Hand Telephone Sets, Terminals, and Bases**

**502-4 Telephone Sets — 300, 400, and 5300 Series and Ks Series For Explosive Atmospheres**

**502-5 Telephone sets — 500, 1500, and 2500 Series**

**502-6 Telephone Sets — 600, 1600, 2600 Series**

**502-7 Telephone Sets — 700, 1700, 2700 Series**

Number	Issue	Subject
<b>502-0 Indexes</b>		
502-000-000	2	Numerical Index — Division 502 — Common Battery — Station Sets
502-000-001	3	Single Line — 0 Button Telephone Sets — Selection
502-000-002	3	Two-Line and One Button Telephone Sets — Selection
502-000-003	2	Multiline — 4 and 6 Button Telephone Sets — Selection
502-000-004	2	Special Purpose Single-Line Telephone Sets — Selection
502-000-010	2	Call Director® Telephone Sets — Selection
502-000-111	2	660, 1660, and 2660 Series — Card Dialer — Telephone Sets — Selection
<b>502-1 General Information</b>		
502-110-100	4	Key Telephone Sets — Standard Features and Options — Basic Wiring Requirements

Number	Issue	Subject
Addendum	1	
502-110-102	4	Nonkey Telephone Sets — Conversion for Use With 1A1 or 1A2 Key Telephone Systems
502-120-200	5	Telephone Sets and Associated Station Apparatus — Selection of Indoor Locations
Addendum	1	
502-120-201	3	Indoor Location — Installation
502-120-202	3	Selecting Outdoor Locations
502-120-203	3	Use of Station Sets in Refrigerated Rooms

**502-2 Subscriber Sets**

502-200-100	7	531-, 584-, 592-, 634-, 684-, 685-, 686-, and 687-Type Subscriber Sets — Identification
502-200-101	6	691A — Identification
502-200-102	4	688, 690, 1690, and 2690 Types — Identification
502-200-200	2	Loud Ringing Bells Installation
502-200-300	5	Maintenance
502-200-400	3	634A, BA, C; 684A, BA, C — Common Battery — Induction Coil Type — Used with Hand Telephone Sets — Connections
502-200-401	5	634AT — Common Battery — Induction Coil Type — Connections
502-200-402	3	634BC and 684BC — Common Battery — Induction Coil Type — Used with Hand Telephone Sets — Connections
502-200-403	4	634CE — Common Battery — Induction Coil Type — Connections
502-200-404	9	685A — Used With Hand Telephone Sets — Connections
502-200-405	1	685C
502-200-406	5	686A — Used With Handsets — Connections
502-200-407	1	687D
502-200-408	6	688, 690, 1690, and 2690 Types — Connections
502-200-410	1	689A1, 689C1, 689D1, 689E1, 689A2, 689C2, 689D2, and 689E2 — Connections

Number	Issue	Subject	Number	Issue	Subject
502-201-100	4	694 Type	<b>502-320 Service Practices</b>		
502-201-102	1	695 Type	<b>200 Series</b>		
502-201-105	4	698A (Code-Com Set) — Identification, Installation/Test, Connections, and Maintenance	502-320-400	2	211-Type
502-203-100	2	700 Type — Identification, Installation, Connections, and Maintenance	502-320-401	2	212L
502-204-100	2	SLC® -1 — Subscriber Equipment	502-320-410	1	201A, B, C, and D
502-204-200	1	Data SLC® Carrier System — Local Area Data Transport (LADT) Network — Installation, Maintenance and Tests — Customer Premises Equipment	502-320-411	1	211A, B, C, and D
502-210-400	3	392, 531, 534, 584, 592, 684, and 687 Types — Connections	502-320-412	1	212A, B, and C
<b>502-3 Hand Telephone Sets, Terminals, and Bases</b>			502-320-413	1	213A, B, C, and E
<b>502-301/302 Reference Practices</b>			502-320-414	1	202A, B, C, and D
<b>200 Series</b>			502-320-415	1	203A, B, C, D, E, and F
502-301-100	1	201A, B, C, D; 211A, B, C, D; 212A, B, C; 213A, B, C, E	502-320-416	1	215A, B, C, and D
502-301-101	1	211-Type	<b>502-322/330 Telephone Bases, Transaction Terminal Sets, and Bases</b>		
502-301-102	2	212L and M	Addendum	2	
502-301-103	1	202A, B, C, D; 203A, B, C, D, E, F; 215A, B, C, D	502-322-400	10	AC- and AD-Type Telephone Bases With 220-, 226-, 2220-, and 2226-Type Hand Telephone Sets — Connections
502-301-104	1	223-Type	502-323-400	3	5000AM Transaction Telephone Set Base With 220- or 2220-Type
<b>2200 Series</b>			502-323-401	1	5100AM Transaction Telephone Set Base With 220- or 2220-Type Hand Telephone Set
502-302-101	3	2211 and 2212	502-323-402	2	500A Transaction III Terminal Set
<b>220-, 1220-, and 2220-Type</b>			502-323-403	3	5100BM Transaction Telephone Set Base With 220- or 2220-Type Hand Telephone Set — Used With or Without 5000A or 5000A2 Printer — Identification, Installation, Connections, Testing, and Maintenance
Addendum	2		502-330-100	4	AL1 Telephone Base — Identification, Installation, Connections, and Maintenance
502-303-101	8	AC- and AD-Type Telephone Bases With 220-, 226-, 2220-, and 2226-Type Hand Telephone Sets — Identification, Installation, Connections, and Maintenance	<b>502-4 Telephone Sets — 300, 400, AND 5300 Series and KS Series For Explosive Atmospheres</b>		
502-303-102	3	220-, 226-, 2220- and 2226-Type Hand Telephone Sets — Identification, Installation, Connections, and Maintenance	502-400-100	2	Telephone Sets for Indoor Locations — 300 Series — Identification and Assembly of Parts
			502-400-101	2	5300 Series — Identification and Assembly of Parts
			502-400-300	3	300 Series — Maintenance

Number	Issue	Subject	Number	Issue	Subject
502-400-301	2	5300 Series — Maintenance	502-430-100	1	401, 402, 410, 411, and 412 Types — Identification and Assembly of Parts
502-400-400	2	302AA, AC — Common Battery — Connections	502-430-300	1	401, 402, 410, 411, and 412 Types — Maintenance
502-400-401	2	302E, G; 5302G — Common Battery — Connections	502-430-400	1	401, 402, 410, 411, 412 and 5410 Types — Common Battery — Connections
502-400-402	5	304A, C; 5304C — Common Battery — Connections	502-435-100	1	440, 460 Types — Identification and Assembly of Parts
502-400-403	2	305E, G — Common Battery — Connections	502-435-300	1	440, 460 Types — Maintenance
502-400-404	5	306A, C; 5306C (Tube Sets) — Common Battery — Connections	Addendum	1	
502-400-405	1	306A, C (Tube Sets) — Common Battery — Connections — Conversion for Use with Individual Lines and Two-Party Service	502-435-400	3	440 and 460 Series — Common Battery — Connections
502-400-406	3	306G (Tube Set) — Common Battery — Connections	502-435-401	1	Service — 462AC and 466AC
502-400-407	4	329 Type — Identification, Maintenance, and Connections	<b>502-5 Telephone Sets — 500, 1500, AND 2500 Series</b>		
502-400-408	2	332A, C (Amplifier Sets) — Common Battery — Connections	502-500-110	4	0- and 1-Button — Common Installation and Maintenance Information
502-400-409	4	334C (Amplifier Set) — Connections	502-500-120	5	540, 560, 1560, and 2560 — Common Installation and Maintenance Information
502-400-410	3	354A, C — Connections	<b>502-501/503 Reference Practices</b>		
502-400-411	1	356A, C (Tube Sets) — Common Battery — Connections	<b>500 Series</b>		
502-402-100	5	322-Type	502-501-100	1	554 BMS and 2554 BMS Telephone Sets — Identification, Installation, and Maintenance
502-402-105	1	325-Type — Identification, Installation, and Maintenance	502-501-101	8	500C/D, 500DM, 501C/D, 554A/B, 554F, 554BM, 554BMP, 554BMPA and 556A/B Telephone Sets — Identification, Installation, Connections, and Maintenance
502-410-400	3	300, 325 Types — Outdoor Locations — Connections	502-501-102	4	502, 510, 511, 515, 555, and 558-Type — Identification, Operation, Installation, and Maintenance
502-415-100	6	Explosive Atmospheres — General Requirements	502-501-104	3	540, 543, 544, and 545
502-415-200	1	320 Type — Explosive Atmospheres — Installation, Connections, and Maintenance	502-501-105	6	Reference — 563HB-, 564HL-, 566MD-, 568H-Type Telephone Sets — Identification
502-415-201	4	KS-14476, Lists 1 and 2 — Explosive Atmospheres — Identification, Connections, and Maintenance	502-501-106	7	565-Type — Identification
502-415-202	2	KS-14548 — Explosive Atmospheres — Installation, Maintenance, and Connections	502-501-115	4	500AD, ADM, E/F, FM, H, L/M, MM, P, R/S, SM, U, W/Y, YM, 501F, P, U, 514B, BM, and 516B Telephone Sets — Identification, Installation, Maintenance, and Connections
502-415-203	4	520-Type Telephone Sets — Explosive Atmospheres — Identification, Installation, Connections, and Maintenance			
502-415-204	4	2520B Telephone Set — Explosive Atmospheres — Identification, Installation, Connections, and Maintenance (9/81)			



Number	Issue	Subject	Number	Issue	Subject
502-501-116	1	507, 509, 532, 533, 535, 536, 557 and 559	<b>502-520/523 Single Line-Service Practices 500 Series</b>		
502-501-117	6	Reference — 525- and 526-Type Telephone Sets—Identification, Installation, Connections, and Maintenance	502-521-401	2	500A/B
502-501-119	3	570 (Emergency Reporting)	502-521-402	5	500C/D and 500DM — Telephone Sets — Connections
502-501-120	8	503B, 503C, 503CM, and 513B	502-521-403	2	500J/K
502-501-121	2	529B and 529BM	502-521-404	2	501A/B
502-501-122	2	567PB, 569NB, and 569NBM	502-521-405	4	501C/D and 501CM/DM
<b>1500 Series</b>			502-521-406	2	501J/K
502-502-101	1	1500D and 1554B	502-521-410	6	554A/B, 554F, 554AM, 554BM, 554AMP and 554BMP — Telephone Sets — Connections
502-502-102	1	1502, 1510, 1511, 1515, 1555, and 1558- Type	502-521-411	5	556A/B Connections
502-502-103	1	1563, 1564, and 1568-Type	<b>1500 Series</b>		
502-502-104	1	1565-Type	502-522-401	2	1500D
502-502-110	1	1500M, 1500S, 1500Y, and 1514B	502-522-402	3	1554B
<b>2500 Series</b>			<b>2500 Series</b>		
502-503-101	10	2500- and 2554-Type Telephone Sets — Identification, Installation, Maintenance, and Connections	502-523-401	9	Service — 2500D, 2500DM, and 2500DMG — Connections
502-503-102	6	2502-, 2510-, 2511-, 2515-, 2555-, and 2558-Type Telephone Sets — Identification, Installation, Operation, Maintenance, and Connections	Addendum	2	
502-503-103	5	Reference — 2563HB-, 2564HL-, and 2568HAA-Type Telephone Sets — Identification	502-523-402	10	Service — 2554B, 2554BM, 2554BMP, and 2554BMPG — Connections
502-503-104	6	Reference — 2565-Type Telephone Sets — Identification	<b>502-531/533 Two Line One Button-Service Practices 500 Series</b>		
502-503-110	9	2500M/MM/MMG, 2500S/SM, 2500Y/YM/YMG, and 2514B/BM/BMG Telephone Sets — Identification, Installation, Connections, and Maintenance	502-531-401	4	502A/B and 502BM
502-503-120	8	Reference — 2503-Type — Identification and Connections	502-531-402	7	510A, B, E, F, and FM
Addendum	1		502-531-403	2	511A/B
502-503-125	6	Reference — 2526B, 2526BM, or 2526BMG Telephone Set— Identification, Installation, Connections, and Maintenance	502-531-404	2	511C/D
502-503-130 IS	1	2500 DMGC Analog Telephone Set With Message Waiting, Timed Recall, and Three Level Volume Control	502-531-405	6	511F, 511H, and 511HM
			502-531-406	4	515B and 515BM
			502-531-407	5	555B, 555BM, and 555BMP
			502-531-408	2	558A/B
			502-531-409	2	558C/D
			502-531-410	5	558F and 558FM
			<b>1500 Series</b>		
			502-532-401	2	1502B
			502-532-402	2	1510F
			502-532-403	2	1511D
			502-532-408	2	1511F/H

Number	Issue	Subject	Number	Issue	Subject
502-532-409	2	1515B	502-541-420	1	568HB
502-532-410	2	1555B	502-541-423	1	568HF and 568HR
502-532-411	3	1558D	502-541-425	4	Service — 568HAA, 568HAAM, and 568HAAMS Telephone Set — Maintenance and Connections
<b>2500 Series</b>			<b>1500 Series</b>		
502-533-401	5	Service — 2502B, 2502BM, and 2502BMG — Connections	502-541-429	1	567PB
502-533-402	6	Service — 2510F, 2510FM, and 2510FMG — Connections	502-541-430	2	569NB and 569NBM
502-533-403	4	2511F, 2511H, and 2511HM	502-542-400	1	1563HB
502-533-404	5	Service — 2515B, 2515BM, and 2515BMG — Connections	502-542-402	1	1564HK and 1564HL
502-533-405	4	Service 2555B, 2555BM, 2555BMP, and 2555BMPG Telephone Sets — Connections	502-542-403	1	1565GK
502-533-406	6	Service — 2558D, 2558DM, and 2558DMG Telephone Set — Connections	502-542-404	1	1565HK
			502-542-405	1	1565LK
			502-542-406	1	568HT and 1568HT
<b>502-541/543 Multiline-Service Practices</b>			<b>2500 Series</b>		
<b>500 Series</b>			502-543-400	5	2563HB, 2563HBM, and 2563HBMS — Maintenance and Connections
502-541-401	1	540B	502-543-402	6	Service — 2564HL, 2564HLM, and 2564HLMS Telephone Sets — Maintenance and Connections
502-541-402	1	544-Type	502-543-403	7	2565GK and 2565GKM, and 2565GKMS — Connections
502-541-403	1	545-Type	502-543-405	9	2565HK, 2565HKM, and 2565HKMS — Connections
502-541-404	5	Service — 563HB, 563HBM, and 563HBMS — Maintenance and Connections	502-543-406	9	Service — 2565LK, 2565LKM, and 2565LKMS Telephone Sets — Connections
502-541-405	1	564B, 564C, 564D, and 564H	502-543-410	4	2568HAA and 2568HAAM, and 2568HAAMS Telephone Set — Maintenance and Connections
502-541-406	2	564HD			
502-541-407	5	564HK, 564HL, 564HLM and 564HLMS — Connections and Maintenance	<b>502-580/582 Special Purpose-Service Practices</b>		
502-541-408	1	565A, 565B, 565E, 565G, 565H, and 565L	<b>500 Series</b>		
502-541-410	2	565HD	502-580-401	3	500AD and 500ADM
502-541-412	1	565LDR	502-580-402	4	500E/F and 500FM Telephone Sets — Connections
502-541-414	7	565GK, 565GKM, and 565GKMS — Connections	502-580-403	3	501F and 501FM
502-541-415	8	Service — 565HK, 565HKM, and 565KKMS Telephone Sets — Connections	502-580-404	2	500H
502-541-416	8	Service 565LK, 565LKM, and 565LKMS Telephone Sets — Connections	502-580-405	4	500L/M and 500MM
502-541-419	3	Service — 566MDM, 566DM Telephone Sets and 6040D, 6041D, 6040K, 6041K Keys — Connections	502-580-406	2	500P
			502-580-407	2	501P

Number	Issue	Subject	Number	Issue	Subject
502-580-408	6	500R/S and 500SM	<b>502-6 Telephone Sets — 600, 1600, 2600 Series</b>		
502-580-409	2	500U	502-600-100	4	630-, 1630-, and 2630-Series — Common Installation and Maintenance
502-580-410	2	501U	502-600-102	2	660, 1660, and 2660
502-580-411	4	Service — 500W/Y and 500YM — Connections	<b>502-601/603 Reference Practices</b>		
502-580-412	5	514B and 514BM	<b>600 Series Call Director Sets and Card Dialers</b>		
502-580-425	1	507 A/B	502-601-100	6	630, 631, and 632-Type
502-580-426	1	509 A/B	502-601-101	8	608-, 618-, 634-, 635-, 636-, 637-, 638-, 639-, 682-, and 683-Type Telephone Sets — Identification
502-580-427	1	532 A/B	502-601-102	2	609, 617, and 625-Type — Identification
502-580-428	1	533 A/B	502-601-120	3	660 and 663-Type
502-580-429	1	535 A and B	502-601-121	1	660A1M
502-580-430	1	536 A/B	502-601-130	3	661, 662, and 664-Type
502-580-431	3	543DB, 543DBC, and 543DBM	502-601-131	1	662A1M
502-580-432	1	557 A/B	<b>1600 Series Call Director Sets and Card Dialers</b>		
502-580-433	1	559 A/B	502-602-100	2	1630, 1631, and 1632-Type
502-580-436	3	529B and 529BM	502-602-101	1	1634, 1635, 1636, 1637, 1638, and 1639-Type
502-580-437	2	525A/B	502-602-120	1	1660 and 1663-Type
502-580-438	8	Service — 526A/B and 526AM/BM — Connections	502-602-121	1	1662 and 1664-Type
Addendum	1		<b>2600 Series Call Director Sets and Card Dialers</b>		
502-580-455	3	570	502-603-100	5	2630-, 2631-, and 2632-Type — Identification
502-580-460	4	503B and 503CM	502-603-101	8	2634-, 2635-, 2636-, 2637-, 2638-, 2639-, 2682-, and 2683-Type — Identification
502-580-461	2	513B and 513BM	502-603-120	3	2660 and 2663-Type
502-580-463	1	516B	502-603-121	2	2660A1M
<b>1500 Series</b>			502-603-130	2	2662 and 2664-Type
502-581-400	2	1500M	502-603-131	2	2662A1M
502-581-401	2	1500S	<b>502-610/619 Service Practices</b>		
502-581-402	2	1500Y	<b>600 Series Call Director Sets</b>		
502-581-403	2	1514B	502-610-400	1	608 and 618-Type
<b>2500 Series</b>			502-610-401	2	609-Type
502-582-400	6	Service — 2500M, 2500MM, and 2500 MMG — Connections			
502-582-402	5	2500S and 2500SM			
502-582-403	5	Service — 2500Y, 2500YM, and 2500YMG — Connections			
502-582-404	7	Service — 2514B, 2514BM, and 2514BMG — Connections			
Addendum	2				
502-582-415	7	2526B, 2526BM, and 2526BMG Telephone Sets — Connections			

Number	Issue	Subject
Addendum	1	
502-610-402	1	617-Type
502-610-403	1	621-Type
502-610-404	1	622-Type
502-610-405	1	625A1
502-610-406	2	630A, B, C, D, and 631A, B, C, D
502-610-407	8	630DA, 630DAM, 630DAMS1, 631DA, 631DAM, and 631DAMS1 — Connections
502-610-408	1	632-Type
Addendum	1	
502-610-409	2	634A, B, C, D and 635A, C, D
502-610-410	2	636A, B, C and 637A, B, C, D
502-610-411	1	638 and 639-Type
502-610-412	6	682AA, 682AAM, 682AAMS, 683AA, 683AAM, and 683AAMS — Connection and Maintenance
502-610-413	2	637EA13 and 637EAM13
502-610-417	6	634DA, 634DAM, 634DAMS, 635DA, 635DAM, and 635DAMS — Connections and Maintenance
502-610-418	8	Service 636CA, 636CAM, 636CAMS, 637DA, 637DAM, and 637DAMS Telephone Sets — Connections and Maintenance
502-610-419	5	638CA, 638CAM, 638CAMS, 639DA, 639DAM, and 639DAMS — Connections and Maintenance

**1600 Series Call Director Sets**

502-611-400	1	1630- and 1631-Type
502-611-401	1	1632-Type
502-611-402	1	1634 and 1635-Type
502-611-403	1	1636 and 1637-Type
Addendum	1	
502-611-404	1	1638C and 1639D

**2600 Series Call Director Sets**

502-612-400	3	2630D and 2631D
502-612-401	7	2630- and 2631-Type — Connections and Maintenance
502-612-402	1	2632-Type
502-612-403	2	2634D and 2635D

Number	Issue	Subject
502-612-404	1	2636 and 2637-Type
Addendum	1	
502-612-405	1	2638C and 2639D
502-612-409	6	2634- and 2635-Type — Connections and Maintenance
502-612-410	7	Service — 2636- and 2637-Type Telephone Sets — Connections and Maintenance
502-612-411	5	2638- and 2639-Type — Connections and Maintenance
502-612-425	6	2682- and 2683-Type — Connections and Maintenance

**600 Series Card Dialers**

502-617-400	3	660-Type
502-617-401	1	661-Type
Addendum	1	
502-617-402	2	662-Type
502-617-403	2	663-Type
502-617-404	2	664-Type
502-617-405	1	660A1M
502-617-406	1	662A1M

**1600 Series Card Dialers**

502-618-400	1	1660-Type
502-618-402	1	1662-Type
502-618-403	1	1663-Type
502-618-404	1	1664-Type

**2600 Series Card Dialers**

502-619-400	2	2660-Type
502-619-402	2	2662-Type
502-619-403	1	2663A1
502-619-404	2	2664-Type
502-619-405	2	2660A1M
502-619-406	2	2662A1M

**502-650 Call-A-Matic® Telephone Sets**

Addendum	1	
502-650-100	2	1671A-Type — Identification, Installation, Operation, Maintenance, and Connections
502-690-100	1	F-58554
502-690-101	1	F-58555 — Identification, Installation, Connections, and Maintenance

Number	Issue	Subject	Number	Issue	Subject
<b>502-7 Telephone Sets — 700, 1700, 2700 Series</b>			502-705-102	2	752 and 754-Type
<b>502-700/707 Reference Practices</b>			502-705-103	1	753-Type
<b>750, 1750, and 2750 Series</b>			<b>1750 Series</b>		
502-700-102	1	Common Installation and Maintenance Information	502-706-100	1	1750-Type
<b>700 Series</b>			502-706-101	1	1751-Type
502-701-100	9	Reference — 702B and 702BM Telephone Sets — Identification, Installation, Connections, and Maintenance	502-706-102	1	1752-Type
Addendum	1		502-706-103	1	1753-Type
502-701-101	3	References — 712B and 712BM Telephone Sets	<b>2750 Series</b>		
Addendum	1		502-707-100	5	Reference — 2750-Type Telephone Sets
502-701-103	5	References — 701D, 702D, 711B, 713B, and 713BM Telephone Sets — Identification, Installation, Maintenance, and Connections	502-707-101	3	Reference — 2751-Type Telephone Sets
<b>1700 Series</b>			502-707-102	4	2752- and 2754-Type Telephone Sets — Identification
502-702-100	1	1702B	502-707-103	1	2753-Type
502-702-101	1	1712B	<b>502-721/729 700, 1700, 2700 Service Practices</b>		
502-702-103	2	1702D and 1713B	502-721-401	3	701B
<b>2700 Series</b>			Addendum	2	
Addendum	1		502-721-402	7	702B and 702BM — Connections
502-703-100	8	Reference 2702B, 2702BM, and 2702BMG Telephone Sets — Identification, Installation, Maintenance, and Connections	502-722-401	3	1702B
502-703-101	6	Reference — 2712B and 2712BM — Identification, Installation, Maintenance, and Connections	502-723-401	10	2702B, 2702BM, and 2702BMG Telephone Sets — Connections
502-703-103	5	2702D, 2702DM, 2713B, and 2713BM — Identification, Installation, Maintenance, and Connections	502-724-401	4	712B and 712BM
<b>750 Series</b>			502-725-401	2	1712B
502-705-100	4	750-Type	502-726-401	5	2712B and 2712BM
502-705-101	2	Reference — 751-Type Telephone Sets	502-727-401	2	701D
			502-727-402	7	702D
			502-727-403	2	711B
			502-727-404	6	Service — 713B and 713BM — Connections
			502-728-401	4	1702D
			502-728-402	2	1713B
			502-729-401	6	2702D and 2702DM
			502-729-402	6	2713B and 2713BM — Connections
			<b>502-730/741 750, 1750, 2750 Service Practices</b>		
			502-730-401	5	750-Type
			502-731-401	2	1750A/B

Number	Issue	Subject
502-732-401	7	Service 2750A, 2750B, 2750AM, 2750BM, 2750AMG, and 2750BMG Telephone Sets — Connections
502-733-401	3	Service — 751-Type Telephone Sets
502-734-401	2	1751C and D
502-735-401	4	Service — 2751-Type Telephone Sets — Connections
502-736-401	2	752-Type
502-736-402	2	754-Type
Addendum	1	
502-737-401	1	1752-Type
502-738-401	4	2752-Type
502-738-402	4	2754-Type
502-739-401	2	753A and B
502-740-401	2	1753A and B
502-741-401	2	2753A and B

**502-750 755 and 758 Series**

**Reference**

502-750-105      3      755A and 755AM

**Service**

502-750-405      3      755A and 755AM

**Division 503**

**Modular Station Sets**

**503-0 Index**

**503-1 General Information and Telephone Sets — User Manuals (Owner & Reference)**

**503-2 Design Line® Telephone**

**503-3 Telephone Sets — 0- AND 1-Button; Desk, Wall and Panel Types**

**503-4 Electronic Telephone Sets**

**503-5 Telephone Sets — Automatic Dialers**

**503-6 Telephone Sets — 6-Button; Desk, Wall, and Panel Types**

**503-7 Telephone Sets — 10- AND 20-Button; Desk and Wall Types**

**503-8 Wireless/Cordless Telephones**

Number	Issue	Subject
<b>503-2 Design Line® Telephone</b>		
503-200-100	5	900A, 900B, 2900A, and 2900B-Type Telephone Sets — Identification, Installation, and Connections
503-200-101	3	910A and 2910A — Identification, Installation, and Connections
503-200-102	1	902A1 and 2902A1
503-200-103	6	930A-, 930B-, 2930A-, 2930B-, and 2931B- Type Telephone Sets — Identification, Installation, and Connections
503-200-104	4	940-Type Telephone Sets — Identification, Installation, and Connections
503-200-105	1	Telephone Sets — 911A1 and 2911A1
503-200-106	6	921A, 921B, 2921A and 2921B — Telephone Sets — Identification, Installation, and Connections
503-200-107	4	881A100, 881B100, 881C100, 881A101, 881B101, 881C101, 881B110, 881C110, 2881A100, 2881B100, 2881C100, 2881A101, 2881B101, 2881C101, 2881B110, and 2881C110 Telephone Sets — Identification, Installation, and Connections
503-200-108	3	881A102, 881B102, 881A103, 881B103, 881A104 and 881B104
503-200-109	3	881A105, 881A106, 881A107, 881A108, 881B105, 881B106, 881B107, 881C105, 881C107, and 881C108 Telephone Sets — Identification, Installation, and Connections
503-200-110	2	882A200 Telephone Sets
503-200-111	2	881B109, 881C109, 2881B109, and 2881C109
503-200-112	2	Telephone Sets — 881C111 and 2881C111
503-200-113	2	D-180574 Telephone Set
503-200-114	2	950A- and 2950A-Type Telephone Sets — Identification, Installation, Connections, and Maintenance

Number Issue Subject

**503-0 Index**

503-000-000 92 Numerical Index — Division 503 — Modular Station Sets

**503-1 General Information and Telephone Sets — User Manuals (Owner & Reference)**

503-100-100 5 Telephone Sets — Modular Type

503-100-110 3 Telephone Set Bases — Kit Plan — Identification, Installation, Connections, and Maintenance

503-100-120 4 581A Telephone Set Bases

503-100-129 1 2991A/B-, 2992A-, and 2993A-Type Multibutton Electronic Telephone (MET) Sets

503-100-130 5 2991C/D-, 2992C-, 2993C-, and 2994C- Type Multibutton Electronic Telephone (MET) Sets — General Description

Number	Issue	Subject	Number	Issue	Subject
503-200-115	2	951A1-03 Telephone Set — Identification, Installation, and Connections	503-200-129	1	CS940- and CS2940-Type Telephone Sets — Identification, Connections, and Maintenance
503-200-116	2	CS952A1-03 Telephone Set — Identification, Mounting, Connections, and Maintenance	503-200-130	1	CS950A- and CS2950A-Type Telephone Sets — Identification, Connections, and Maintenance
503-200-117	1	CS2881CG113 Telephone Set — Identification, Connections, and Maintenance	503-200-131	1	CS951A1-03 and CS2951AG1-03 Telephone Sets — Identification, Connections, and Maintenance
503-200-118	3	CS2903AG1-58 and CS2903AG2-58 Telephone Sets — Identification and Maintenance	503-200-132	1	CS2941AG1 Telephone Set — Identification, Connections, and Maintenance
503-200-119	1	CS881C100, CS881C101, CS2881CG100, and CS2881CG101 Telephone Sets — Identification, Connections, and Maintenance	503-200-133	2	CS2954AG1-58 Telephone Set — Identification and Maintenance
503-200-120	1	CS881C102, CS881C103, and CS881C104 Telephone Sets — Identification, Connections, and Maintenance	503-200-134	2	CS2905AG1-58 Telephone Set — Identification and Maintenance
503-200-121	1	CS881C105, CS881C107, CS881C108, and CS2881CG112 Telephone Sets — Identification, Connections, and Maintenance	503-200-135	1	CS2884AG100 Telephone Set — Identification, Connections, and Maintenance
503-200-122	1	CS881C109 and CS2881CG109 Telephone Sets — Identification, Connections, and Maintenance	503-200-144	1	CS2942A1G-03 Telephone Set — Identification, Connections, and Maintenance
503-200-123	1	CS881C111 and CS2881CG111 Telephone Set — Identification, Connections, and Maintenance	<b>503-3 Telephone Sets — 0- AND 1-Button; Desk, Wall, and Panel Types</b>		
503-200-124	1	CS882B200 Telephone Set — Identification, Connections, and Maintenance	503-300-100	5	870A1M and 870A2M Touch-A-Matic® 32 Telephone Set — Identification, Installation, Connections, Operation, and Maintenance
503-200-125	1	CS900B-, CS953A-, CS2900BG-, and CS2953AG-Type Telephone Sets — Identification, Connections, and Maintenance	503-300-101	5	2870A1M and 2870A2M TOUCH-A-MATIC 32 Telephone Set — Identification, Installation, Connections, Operation and Maintenance
503-200-126	1	CS902A1 and CS2902AG1 Telephone Set — Identification, Connections, and Maintenance	503-301-100	5	960A01M — Touch-A-Matic 16 Telephone Set — Identification, Installation, Connections, Operation, and Maintenance
503-200-127	1	CS910A10, CS910A11, CS2910AG10, CS2910AG11, and CS2883AG300 Telephone Sets — Identification, Connections, and Maintenance	503-301-101	5	2960A01M — TOUCH-A-MATIC 16 Telephone Set — Identification, Installation, Connections, Operations, and Maintenance
503-200-128	1	CS911A1 and CS2911AG1 Telephone Sets — Identification, Connections, and Maintenance			



Number	Issue	Subject	Number	Issue	Subject
<b>503-4 Electronic Telephone Sets</b>			<b>503-402-110 IS</b>		
503-400-100	2	5001T01A Touch-A-Matic Telephone Set, S Series — Identification, Installation, Connections, Operation, and Maintenance	1		Z7305S01B Multifunction Analog Telephone Set (MFAT) — Identification, Installation, Operation, and Maintenance
503-400-200	2	5011T01A Touch-A-Matic Telephone Set, S Series — Identification, Installation, Connections, Operation, and Maintenance	503-403-101IS	2	7104A02A Telephone Set — Identification, Installation, Operation, and Maintenance
Addendum IS	1		<b>700 Series Telephones</b>		
503-401-100 IS	1	7101A01A Telephone Set — Identification, Installation, Operation, and Maintenance	503-404-010	1	Using the Feature Telephone 700 with Centrex Services
Addendum IS	1		503-404-020	1	Using the Speakerphone 720 and Two-Line Speakerphone 722 with Centrex Services
503-401-110 IS	1	7103A01A Telephone Set — Identification, Installation, Operation, and Maintenance	503-404-030	1	Using the Two-Line Speakerphone 732 with Centrex Services
503-401-111 IS	1	Z7103A01C Telephone Set — Identification, Installation, Operation, and Maintenance	503-404-060	1	Using the Call Display Telephone 764 with Centrex Services
Addendum IS	1		<b>GENESIS® Telesystem</b>		
503-401-200 IS	1	7203H01A Multifunction Electronic Telephone Set (MFET) — Identification, Installation, Operation, and Maintenance	503-450-101	1	CS5061U01A-148 Telephone Set Description GENESIS® Telesystem Identification, Installation, Connections, and Maintenance
503-401-205 IS	1	Z7203M01A Multifunction Electronic Telephone (MFET) — Identification, Installation, Operation, and Maintenance	503-450-103	1	CS300A1 Circuit Module (Custom Calling Convenience Cartridge) GENESIS® Telesystem Identification, Installation, and Maintenance
Addendum IS	1		<b>503-5 Telephone Sets — Automatic Dialers</b>		
503-401-210 IS	1	7205H01A Multifunction Electronic Telephone Set (MFET) — Identification, Installation, Operation, and Maintenance	503-550-101	4	2671B1M — Call-A-Matic — Identification, Assembly, Connections, Operation, and Maintenance
Addendum IS	1		<b>503-6 Telephone Sets — 6-Button; Desk, Wall, and Panel Types</b>		
503-401-300 IS	1	7403D01A Multifunction Digital Telephone Set (MFDT) — Identification, Installation, Operation, and Maintenance	503-601-101	10	851- and 2851-Type — Identification, Installation, Connections, and Maintenance
Addendum IS	1		503-603-101	6	2872A1M or 2872A2M Touch-A-Matic® 32 Telephone Sets Identification, Installation, Connections, Operation, and Maintenance
503-401-310 IS	1	7405D01A Multifunction Digital Telephone Set (MFDT) — Identification, Installation, Operation, and Maintenance			
503-402-100 IS	1	Z7303S01B Multifunction Analog Telephone Set (MFAT) — Identification, Installation, Operation, and Maintenance			

Number	Issue	Subject
503-603-102	4	872A1M Touch-A-Matic Telephone Set — Identification, Installation, Connections, Operations, and Maintenance
503-603-120	3	575AM and 2575AM — Identification, Installation, Connections, and Maintenance
503-603-130	2	853AM and 2853AM — Identification, Installation, Connections, and Maintenance

Number	Issue	Subject
<b>503-801 9000 Series Wireless/Cordless Telephones</b>		
503-801-100	1	MDC 9000 Business Cordless Telephone Quick Reference
503-801-101	1	MDC 9000 Business Cordless Telephone Installation

### 503-7 Telephone Sets— 10- AND 20-Button; Desk and Wall Types

503-701-100	2	F-59796, F-59797, F-59798, F-59799, F-60208, F-60209, F-60210, and F-60211 (Touch-A-Matic Repertory Dialer)
503-701-101	10	830- and 2830-Type — Identification, Installation, Maintenance, and Connections
503-701-102	5	852A, 852AM, 2852A, and 2852AM — Identification, Installation, Connections, and Maintenance
503-701-110	6	832- and 2832-Type — Identification, Installation, Connections, and Maintenance
503-702-101	10	831- and 2831-Type Telephone Sets — Identification, Installation, Maintenance, and Connections
503-702-110	6	833- and 2833-Type — Identification, Installation, Connections, and Maintenance

### 503-8 Wireless/Cordless Telephones

#### 503-800 Sales and Marketing

■ 503-800-100	1	AT&T Transtalk 9000 Wireless System Marketing and Sales Guide
■ 503-800-101	1	AT&T Multiline Digital Cordless Business Marketing and Sales Guide

**Division 504****Selector Consoles, Telephone Consoles, and Apparatus Units****504-0 Indexes****504-1 Selector Consoles****504-2 Telephone Consoles**

			Number	Issue	Subject
			504-218-101	1	12A1
			504-220-101	4	14- and 15-Type — Identification
			504-220-102	4	16-Type — Identification
			504-220-121	3	21-, 41-, and 51-Types — Identification
			504-220-122	2	22- and 32-Types — Identification
			504-220-123	6	23-, 43-, 53-, 63-, and 83-Types — Identification
			504-220-124	5	24-, 34-, and 54-Type — Identification
			504-220-125	2	45-Type — Identification
			504-220-126	1	26-, 46-, and 56-Types — Identification
			504-220-127	4	27- and 47-Types — Identification
			504-220-128	3	28- and 48-Types — Identification
			504-220-129	4	29-Type — Identification
			504-220-133	3	60-Type — Identification
			504-220-150	2	120-Type — Identification
			504-220-151	2	121-, 131-, and 151-Types — Identification
			504-220-152	1	132- and 152-Types — Identification
			504-220-155	1	155-Type — Identification
			504-225-100	2	Identification — 500-Type and 103A1 Display Unit
<b>504-0 Indexes</b>					
	504-000-000	73	Numerical Index — Division 504 — Selector Consoles, Telephone Consoles, and Apparatus Units		
<b>504-1 Selector Consoles</b>					
	Addendum	1			
	504-110-101	4	1A1- and 1A2-Types — Identification, Installation, and Maintenance		
<b>504-2 Telephone Consoles</b>					
	Addendum	1			
	504-210-201	8	1- Through 6-, 10- Through 12-, and 14- Through 16-Type — Apparatus Units — 12-, 14-, 31- and 32-Type — Installation and Maintenance		
	Addendum	1			
	504-211-101	8	1- and 2-Type — Identification		
	504-212-101	6	3- and 4-Type — Identification and Selection		
	504-213-101	5	5- and 6-Type — Identification		
	Addendum	1			
	504-215-101	1	8A and 9A Types — Identification and Assembly of Parts		
	504-215-402	2	9A Type — Connections		
	504-216-101	7	10-, 11-, and 12-Type — 12- and 14-, 31-, and 32-Type — Apparatus Units — Identification — Customer Equipment		

**Division 506**

**Small Business Systems And Station Equipment —  
Public Telephone Sets**

**506-0 Indexes 506**

**506-1 General Information**

-100 Coin Telephone Stations — General

-101 Coin Telephone Stations Security

-110 Public Telephone Sales and Marketing

**506-4 Coin Telephone Sets**

**506-5 Coinless Telephone Sets**

**506-9 Public Service Maintenance Check**

Number	Issue	Subject
<b>506-0 Indexes</b>		
506-000-000	93	Numerical Index — Division 506 — Coin Station Sets — Common Battery

**506-1 General Information**

**506-100 Coin Telephone Stations — General**

506-100-100	1	Public Services Station — Bonding and Grounding
506-100-101	3	Coin and Coinless Public Telephone Set Backboards — Identification and Installation
506-100-103	4	Tools, Gauges, and Materials — Identification and Use
506-100-105	3	Coin Level Detector — Identification, Installation, Connections, Operation, and Maintenance
506-100-107	1	Extended Network Interface for Customer Premise Equipment on Semipublic Coin Lines — Installation, Testing, and Maintenance
506-100-108	2	Manual Extension Station Service on Semi- Public Coin Lines Connected to Coin Telephone Sets
506-100-110	2	Coin Hopper Vane Replacement

Number	Issue	Subject
506-100-120	2	1C/2C-Type Coin Telephone Set — Detailed Description
506-100-130	3	Coin Test Line Circuit

**506-101 Coin Telephone Stations Security**

506-101-100	3	Security Devices Reference
506-101-400	2	Security Devices Service

**506-110 Public Telephone Sales and Marketing**

Brochures		
506-110-001	1	Standard Coin Telephone Set (1D2)
506-110-002	1	1D2C6 Customer Maintained Coin Set
506-110-003	1	Loud Button Retrofit Kit
506-110-004	1	22B Electronic Coin Chute
506-110-005	1	11B Coinless Telephone

**506-3 Coin Telephone Sets**

Addendum	1	
506-328-200	2	2A-Type — Installation and Maintenance

**506-4 Coin Telephone Sets**

506-410-400	8	1C-, 1D-, 1E-, 2C-, and 2D-Type — Identification, Installation, and Maintenance
506-410-401	3	1D/2D-Type — (DTF Only) — Identification
▲506-410-402	3	1D/2D Type, Installation, Conversion, Maintenance, and Connections (DTF Only)
506-410-403	1	3A2 Type and AE1 Type Mounting — Identification, Installation, Operation Tests, Maintenance, and Connections

**506-5 Coinless Telephone Sets**

Addendum	1	
506-500-100	4	10A, 10B, and 20A Type and KS-22284 Backboard — Identification, Installation, Tests, Maintenance, and Connections

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
506-500-101	1	2960B01-50 Coinless Telephone Set — Identification, Installation, Connection, Maintenance, and Conversion
506-500-112	1	11A Type — Service Manual

**506-9 Public Service Maintenance Check**

506-900-503	5	Public Services Maintenance Check
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**Division 508**

**Public Telephone Enclosures and Miscellaneous Accessories**

**508-0 Indexes**

**508-1 General**

**508-2 Enclosures — Indoor**

**508-3 Enclosures — Indoor-Outdoor**

**508-4 Enclosures — Outdoor**

**508-7 Directory Tables, Cabinets, Shelves, Hangers, Fasteners, and Binders**

**508-8 Miscellaneous Accessories**

Number	Issue	Subject
<b>508-0 Indexes</b>		
508-000-000	15	Numerical Index — Division 508 — Public Telephone Enclosures and Miscellaneous Accessories

**508-1 General**

508-100-100	5	Grounding and Wiring Requirements
508-100-101	2	Public Telephone Enclosures — Cleaning

**508-2 Enclosures — Indoor**

508-200-100	1	Booths — 5, 6, 10 and 11 Types
508-201-100	1	Booth — KS-19340 Wood
508-202-100	1	Booths — KS-19206 Curved Door
508-203-100	1	KS-20630 Booth
508-204-100	1	Booth — KS-19442 Deluxe Glass
508-225-110	1	KS-22235 Econoshelf — Identification, Installation, and Maintenance
508-250-100	1	Coin Telephone Shelves — 19- and 20- Type

Number	Issue	Subject
508-251-100	1	Coin Telephone Shelf — KS-19267
Addendum	1	
508-252-100	1	Coin Telephone Shelf — KS-20194
508-253-100	4	KS-19945 Small Talk Public Services Telephone Shelf — Identification, Installation, and Maintenance
508-254-100	4	KS-21428 Phonecart — Identification, Installation, Operation Tests, Maintenance, and Connections
508-255-100	3	KS-21571 Deluxe Wedge Public Telephone Shelf — Identification, Installation, and Maintenance
Addendum	1	
508-257-100	4	KS-21977 Clear View Coin Telephone Mounting — Identification, Installation, and Maintenance
508-259-100	1	KS-22081 Cluster Mounting — Identification, Installation, and Maintenance
508-261-100	1	KS-22665 Stylistic Public Telephone Enclosure — Identification, Installation, and Maintenance

**508-3 Enclosures — Indoor-Outdoor**

508-300-100	1	KS-16797 Universal
508-301-100	3	KS-19425 Universal II Indoor-Outdoor Booth — Identification, Installation, and Maintenance
508-303-100	1	KS-22677 Corral Rail — Identification, Installation, Maintenance, and Connections
Addendum	1	
508-304-100	1	KS-22642 Silencer — Identification, Installation, and Maintenance
Addendum	1	
508-353-100	1	Directory Alcove — KS-16361

**508-4 Enclosures — Outdoor**

508-400-100	1	Booth — 9-Type
508-401-100	2	Booth — KS-14611 Airlight — Identification, Installation, Maintenance, and Conversion

Number	Issue	Subject	Number	Issue	Subject
508-402-100	4	KS-19580 Airlight II and IIA Telephone Booths — Identification, Installation, and Maintenance	<b>508-8 Miscellaneous Accessories</b>		
508-403-100	2	KS-21716 Airlight III Telephone Booth — Identification, Installation, and Maintenance	508-809-100	3	Foundation and Associated Apparatus — Identification and Installation — KS- 21976
Addendum	1		508-810-202	8	Public Phone Signs — Illuminated Types — Identification and Installation
508-430-100	1	KS-20255 Telephone Kiosk (Diamond Kiosk)	508-810-205	8	Nonilluminated Type Phone Signs — Identification and Installation
508-450-100	1	Walk-Up, Drive-Up — KS-16705 Mounting	508-811-100	1	KS-19928 Card Frame — Identification and Installation
508-451-100	2	Walk-Up, Drive-Up — KS-19426 Mounting	508-815-100	1	Light Fixtures — Booth and Directory — 2 and 4 Types
508-452-100	7	KS-20842 SENTRY® Public Telephone Enclosure — Single and Double — Identification and Installation	508-820-100	4	KS-19207 Light and Blower Unit — Identification, Installation, and Maintenance
508-452-101	1	KS-20842 SENTRY Public Telephone Enclosure — Cluster Arrangement — Identification and Installation	508-825-100	7	KS-19261 Type Light Control Units — Identification and Installation
508-452-102	1	KS-20842 SENTRY Public Telephone Enclosure — Maintenance			
508-452-103	2	KS-20842 SENTRY Public Telephone Enclosure — Miscellaneous Apparatus — Identification and Installation			

#### 508-7 Directory Tables, Cabinets, Shelves, Hangers, Fasteners, and Binders

508-710-100	4	Directory, Tables, Cabinets, and Shelves — Identification and Installation
508-710-101	4	Directory Hangers, Fasteners, and Binders — Identification and Installation
508-710-102	6	KS-20030 Directory Hangers and KS-21435 Directory Facility — Identification, Installation, and Maintenance

**Division 510**

**Station Sets and Coin Collectors — Local Battery and Magneto**

**510-0 Indexes**

**510-1 Station Sets — Local Battery, Subscriber Sets — Local Battery and Battery Supply Filter**

**510-2 Coin Collectors — Local Battery, Subscriber Sets — Local Battery Coin Collectors**

**510-3 Station Sets — Magneto and Subscriber Sets — Magneto**

**510-4 Coin Collectors — Magneto and Subscriber Sets — Magneto Coin Collector**

**510-8 Magneto Sets — Special Usage**

Number	Issue	Subject
510-120-400	1	Hand Telephone Sets — 201A, B, C, D — Local Battery — Connections
510-120-401	1	Hand Telephone Sets — 202E, F, G, H — Local Battery — Connections
510-120-402	1	Hand Telephone Sets — 206A, B, C, D — Local Battery — Connections
510-120-403	1	Hand Telephone Sets — 207A, B, C, D — Local Battery — Connections
510-120-404	1	Hand Telephone Sets — 211E, F, G, H — Local Battery — Connections
510-120-405	1	Hand Telephone Sets — 212L — Local Battery — Connections
510-120-406	1	Hand Telephone Sets — 213A, B, C, E — Local Battery — Connections
510-120-407	1	Hand Telephone Sets — 215A, B, C, D — Local Battery — Connections
510-130-400	1	Telephone Sets — 307A, C — Local Battery — Connections
510-130-401	2	Telephone Sets — 309A, C — Local Battery — Connections
510-130-402	1	Telephone Sets — 357A, C — Local Battery — Connections

Number	Issue	Subject
510-000-000	7	Numerical Index — Division 510 — Station Sets and Coin Collectors — Local Battery and Magneto

**510-1 Station Sets — Local Battery, Subscriber Sets — Local Battery and Battery Supply Filter**

510-100-100	1	Station Sets — Local Battery — Selection for General Use
510-100-180	1	Battery Supply Filter
510-110-100	1	Subscriber Sets — Local Battery — Connections — General
510-110-400	1	Subscriber Sets — 634BB — Local Battery — Connections
510-110-401	1	Subscriber Sets — 634Y — Local Battery — Connections
510-110-402	2	Subscriber Sets — 634YD — Local Battery — Connections
510-110-403	2	Subscriber Sets — 634YDT — Local Battery — Connections
510-110-405	2	Subscriber Sets — 634YT — Local Battery — Connections
510-120-100	1	Hand Telephone Sets — 200 Series — Local Battery — Connections — General

**510-2 Coin Collectors — Local Battery, Subscriber Sets — Local Battery Coin Collectors**

510-200-100	1	Coin Station Sets — Local Battery — Selection
510-205-400	1	Subscriber Sets — 634YD — Local Battery — Used With Coin Collectors — Connections
510-205-401	1	Subscriber Sets — 6344E — Local Battery — Connections
510-210-400	1	Coin Collectors — Prepay — 155CL, DL, GL, HL — Local Battery — Connections
510-210-401	1	Coin Collectors — Prepay — 166CL, DL, GL, HL — Local Battery — Connections
510-210-402	1	Coin Collectors — Prepay — 174CL, DL, GL, HL — Local Battery — Connections
510-210-403	1	Coin Collectors — Prepay — 176CL, DL, GL, HL — Local Battery — Connections



Number	Issue	Subject	Number	Issue	Subject
510-210-404	1	Coin Collectors — Prepay — 191CL, DL, GL, HL — Local Battery — Connections	510-310-404	2	Subscriber Sets — 400CD — Magneto — Used With Hand Telephone Sets — Connections
510-210-420	1	Coin Collectors — Postpay — 150K; 162A, B, C, D — Manual — Local Battery — Connections	510-310-405	1	Subscriber Sets — 415E — Magneto — Connections
510-210-421	1	Coin Collectors — Postpay — 152C, D; 164C, D — Manual — Local Battery — Connections	510-310-406	2	Subscriber Sets — 415H, CD — Magneto — Used With Hand Telephone Sets — Connections
510-210-422	1	Coin Collectors — Postpay — 182C, D — Manual — Local Battery — Connections	510-320-400	1	Hand Telephone Sets — Magneto — Connections — General
510-215-400	1	Coin Collectors — Postpay — 158GL, HL; 168GL, HL — Community Dial Office Service — Local Battery — Connections	510-320-401	1	Hand Telephone Sets — 201A — Magneto — Connections
510-215-401	1	Coin Collectors — Postpay — 177GL, HL; 178GL, HL — Community Dial Office Service — Local Battery — Connections	510-320-402	1	Hand Telephone Sets — 202H — Magneto — Connections
510-215-402	1	Coin Collectors — Postpay — 193GL, HL — Community Dial Office Service — Local Battery — Connections	510-320-403	1	Hand Telephone Sets — 211E — Magneto — Connections
			510-320-404	1	Hand Telephone Sets — 213E — Magneto — Connections
			510-320-405	1	Hand Telephone Sets — 215A — Magneto — Connections
			510-330-400	1	Telephone Sets — 307A — Magneto — Connections
			510-330-401	1	Telephone Sets — 309A — Magneto — Connections
			510-330-402	1	Telephone Sets — 357A — Magneto — Connections

### 510-3 Station Sets — Magneto and Subscriber Sets — Magneto

510-310-100	1	Station Sets — Magneto — Western Electric Company — Identification and Assembly of Parts
510-310-180	1	Station Sets — Magneto — Selection for General Use
510-310-200	1	Station Sets — Magneto — Western Electric Company — Installation
510-310-300	1	Station Sets — Magneto — Subscriber Sets — Magneto — Maintenance
510-310-400	1	Subscriber Sets — Ringers Only — Nonpolarized — Magneto — Connections
510-310-401	1	Subscriber Sets — Magneto — Connections — General
510-310-402	1	Subscriber Sets — 299F, D-176680 — Magneto — Connections
510-310-403	2	Subscriber Sets — 400A and K — Magneto — Used With Hand Telephone Sets — Connections

### 510-4 Coin Collectors — Magneto and Subscriber Sets — Magneto Coin Collector

510-410-180	1	Coin Station Sets — Magneto — Selection
510-410-400	1	Subscriber Sets — 400A and K — Magneto — Used With Coin Collectors — Connections
510-410-401	1	Subscriber Sets — 400CD — Magneto — Used With Coin Collectors — Connections
510-410-402	1	Subscriber Sets — 415H and CD — Magneto — Used With Coin Collectors — Connections
510-420-400	1	Coin Collectors — Postpay — 150K, L; 162A, B, C, D — Manual — Magneto — Connections
510-420-401	1	Coin Collectors — Postpay — 152C, D; 164C, D — Manual — Magneto — Connections
510-420-402	1	Coin Collectors — Postpay — 182C, D — Manual — Magneto — Connections

Number	Issue	Subject
<b>510-8 Magneto Sets — Special Usage</b>		
510-810-100	5	Telephone Sets — 331-Type — Portable
510-820-100	2	Telephone Set — F-50682 — Ground Observer's Telephone
510-830-100	1	Telephone Set, KS-19148, List 1 — Mine Station, Nonexplosive Atmosphere — Magneto

**Division 512****Automatic Dialers, Station Keys, Key Equipment  
Interphone Systems, Modular Units, Speakerphone  
Systems, and Conference Sets****512-0 Indexes****512-1 Automatic Dialers****512-2 Station Keys****512-3 Key Equipment****512-5 Interphone Systems****512-6 Speakerphones, Speakerphone Systems, and  
Conference Sets****512-7 Speakerphone System 4-Type**

Number	Issue	Subject
512-000-000	42	Index — Division 512 — Automatic Dialers, Station Keys, Key Equipment — Interphone Systems, Modular Units, and Speakerphone Systems
512-110-100	1	Telerapid Automatic Dialers — TR350 and 125 Types
Addendum	1	
512-115-100	4	KS-16844 RAPIDIAL* — Identification, Installation, Operation, Connections, and Maintenance
512-120-101	3	F-56105 Telephone Set Using KS-16844 RAPIDIAL — Identification, Operation, Installation, and Connections
512-120-102	2	F-56105 Telephone Set for Howard Johnson Motor Hotel Chain — Identification

\* RAPIDIAL is a registered trademark of McGraw-Edison Co.

Number	Issue	Subject
512-120-103	2	F-56105 Telephone Set for Imperial House 400 Motor Hotel Chain — Identification
512-125-100	2	KS-19594 Dialer Description and Operation
512-125-200	2	KS-19594 Dialer Installation
512-125-300	3	KS-19594 Dialer — Maintenance
512-125-400	6	KS-19594 Dialer — Telephone Sets Equipped With Rotary Dials — Connections
512-125-410	3	KS-19594 Dialer — Telephone Sets Equipped With TOUCH-TONE® Dials — Connections
512-125-430	2	KS-19594 Dialer — Switchboard and Miscellaneous Key Equipment — Connections
Addendum	1	
512-126-100	1	F-56503 Type Telephone Set Using KS-19594 Dialer Identification, Operation, Installation, Connections, and Maintenance
512-199-100	1	Repertory Dial — Dialer, MITRE No. 5 System — Identification, Installation, Connections, Operations and Maintenance

**512-2 Station Keys**

Number	Issue	Subject
Addendum	1	
512-210-101	4	6017-, 6026-, KS-21254, and KS-21776 Type Separately Mounted Keys — Identification, Installation, and Connections
512-210-102	1	Separately Mounted Keys, Nonilluminated Pushbutton — 6021-, 6022-, 6023-, 6027-, and 6028-Types — Identification, Installation, and Connections
512-210-103	6	6040-, 6041-, 6050-, and 6051-Type Separately Mounted Keys — Identification, Installation, and Connections
512-215-100	1	6030A Key for Customers With Impaired Hearing
512-220-100	7	549- and 551-Type Pushbutton Keys — Identification, Installation, Maintenance, and Connections
512-230-100	9	Modular Keys, Lamp Sockets, and Transmitters (KS-Type Connector Equipped)

Number	Issue	Subject
512-230-101	9	Modular Keys, Lamp Sockets, and Transmitters (Terminal Plug Receptacle Equipped) — Identification, Installation, and Maintenance
512-230-102	1	Modular Units — Transmitters and Speakerphone Controls
512-230-103	2	Modular Units — Flashing and Release Keys
512-230-104	1	Multiline Conferencing (Key Conversion or Replacement)
512-240-100	6	Key Mountings — 400-, 1400-, and 2400- Series — 30, 60, 90, and 120 Line Sizes — Identification and Selection
Addendum	1	
512-240-101	4	Key Mountings — 400-, 1400-, and 2400- Series — 6, 12, and 18 Line Sizes — Identification and Selections
512-240-200	9	Key Mountings — 400-, 1400-, and 2400- Series — 30, 60, 90, and 120 Line Sizes — Installation and Maintenance
512-240-201	5	400-, 1400-, and 2400-Series Key Mountings — 6, 12, and 18 Line Sizes — Installation and Maintenance
512-240-400	6	Key Mountings — 400-, 1400-, and 2400- Series — 30, 60, 90, and 120 Line Sizes — Connections
512-240-401	4	400-, 1400-, and 2400-Series Key Mountings — 6, 12, and 18 Line Sizes — Connections
512-270-100	2	700-Type Modular Station Apparatus — Identification
512-270-200	3	700-Type Modular Station Apparatus — Assembly and Installation
512-270-300	4	Modular Station Apparatus — 700-Type — Maintenance

**512-3 Key Equipment**

512-310-400	1	1A — Common Battery — Connections
512-310-401	1	1A — (Local Battery Talking — Common Battery Signaling) — Connections

Number	Issue	Subject
512-312-100	2	2A and 2B — Identification
512-312-400	2	2A and 2B — Connections
512-314-100	4	4A — Identification, Installation and Maintenance
512-314-400	11	4A — Common Battery Talking — Common Battery Signaling — Connections
512-314-401	4	4A — Local Battery Talking — Common Battery Signaling — Connections
512-316-100	2	5A and 5B — Identification
512-316-200	2	5A and 5B — Installation and Maintenance
512-316-400	3	5A and 5B — Connections
512-330-100	1	100 — Identification
512-330-200	1	100 — Installation
512-330-300	1	100 — Maintenance
512-330-400	1	100 — Connections
512-332-100	2	101A and 101B — Identification
512-332-200	1	101A and 101B — Installation
512-332-300	3	101A and 101B — Maintenance
512-332-400	1	101A and 101B — Connections
512-334-100	1	102A — Description and Use
512-336-100	2	103A — Secretarial Answering Service
512-344-100	1	111A — Description and Use

**512-5 Interphone Systems**

**1A Home Interphone Systems**

512-510-100	5	1A Home
512-510-200	8	1A Home
512-510-401	3	1A Home — 511-Type Telephone Sets — Connections and Maintenance
512-510-403	1	1A Home — 558-Type Telephone Sets — Connections and Maintenance
512-510-405	2	1A Home — 711B Telephone Set — Connections and Maintenance
512-510-406	4	1A Home — 712B Telephone Set
512-510-408	2	1A Home — 751-Type Telephone Sets — Connections and Maintenance
512-510-410	3	1A Home — 752-Type Telephone Set — Connections and Maintenance

Number	Issue	Subject	Number	Issue	Subject
512-510-412	2	1A Home — 754-Type Telephone Set — Connections and Maintenance	512-515-408	1	2A Farm — 712B Telephone Set — Connections and Maintenance
512-510-421	1	1A (Home) — 1511-Type Telephone Sets — Connections and Maintenance	512-515-412	1	2A Farm — 1511D and 1511F/H Telephone Sets — Connections and Maintenance
512-510-423	1	1A Home — 1558D Telephone Set — Connections and Maintenance	512-515-414	1	2A Farm — 1558D Telephone Set — Connections and Maintenance
512-510-426	2	1A Home — 1712B Telephone Set — Connections and Maintenance	512-515-418	1	2A Farm — 1712B Telephone Set — Connections and Maintenance
512-510-428	2	1A Home — 1751-Type Telephone Sets — Connections and Maintenance	512-515-422	2	2A Farm — 2511F/H Telephone Sets — Connections and Maintenance
512-510-430	3	1A Home — 1752-Type Telephone Set — Connections and Maintenance	512-515-424	1	2A Farm — 2558D Telephone Set — Connections and Maintenance
512-510-441	3	1A Home — 2511F/H Telephone Set — Connections and Maintenance	512-515-428	1	2A Farm — 2712B Telephone Set — Connections and Maintenance
512-510-443	2	1A Home — 2558D Telephone Set — Connections and Maintenance	<b>Apartment Door Answering</b>		
512-510-446	1	1A (Home) — 2712B Telephone Sets — Connections and Maintenance	512-520-100	6	2755A and 2755AM Apartment Door Answering Telephone Sets — Identification, Installation, and Operation
512-510-448	2	1A Home — 2751-Type Telephone Sets — Connections and Maintenance	512-520-400	5	2755-Type Apartment Door Answering Telephone Sets — Connections, Maintenance, and Operation
512-510-450	2	1A Home — 2752-Type Telephone Sets — Connections and Maintenance	<b>Intercommunicating Systems</b>		
512-510-452	3	1A Home — 2754-Type Telephone Sets — Connections and Maintenance	512-530-100	1	Intercommunicating Systems — School to Home — Identification
<b>2A Farm Interphone Systems</b>			512-530-200	2	Intercommunicating Systems — School to Home — Installation, Maintenance, and Connections
512-515-100	5	2A Farm	512-531-100	3	KS-19120 Intercommunicating System — School to Home — Identification
512-515-200	6	2A Farm	512-531-200	6	KS-19120 Intercommunication System — School to Home — Installation, Connections, and Maintenance
512-515-402	1	2A Farm — 511C/D and 511F/H Telephone Sets — Connections and Maintenance			
512-515-404	1	2A Farm — 558C/D and 558F Telephone Sets — Connections and Maintenance			
512-515-407	1	2A Farm — 711B Telephone Set — Connections and Maintenance			

Number	Issue	Subject	Number	Issue	Subject
<b>2A Communication System</b>			512-620-407	4	Speakerphone System — 3-Type — 211- Type and 2211P Hand Telephone Set — Connections and Maintenance
512-534-100	5	2A Communication System — (Business Interphone) — Identification, Installation, and Operation	512-620-410	3	Speakerphone System — 3-Type — 500R/S, 1500S, and 2500S Telephone Set — Connections
512-534-400	5	2A Communication System (Business Interphone)	512-620-415	4	Speakerphone System — 3-Type — 511-, 1511-, and 2511-Type Telephone Sets — Connections and Maintenance
<b>3A Communication System</b>			512-620-418	4	Speakerphone System — 3-Type — 558-, 1558-, and 2558-Type Telephone Sets — Connections and Maintenance
512-535-100	5	3A Communication System — (Hospital Interphone) — Identification	512-620-420	4	Speakerphone Systems — 3-Type — 565-, 1565-, and 2565-Type Telephone Sets — Connections
512-535-200	3	3A Communication System — (Hospital Interphone) — Equipment Cabinet — Installation, Connections, and Maintenance	512-620-426	3	Speakerphone System — 3-Type — 566- Type Telephone Sets — Connections
512-535-201	4	3A Communication System — (Hospital Interphone) Control Console	512-620-430	2	Speakerphone Systems — 3-Type — 568HAA and 2568HAA Telephone Sets — Connections and Maintenance
512-535-202	5	3A Communication System — (Hospital Interphone) Patient Telephone Set — Installation, Connections, and Maintenance	512-620-440	5	630-, 631-, 1630-, 1631-, 2630-, and 2631- Type Telephone Sets — Connections — Speakerphone System — 3-Type
512-535-300	2	3A Communication System — (Hospital Interphone) — Method of Operation	512-620-442	3	Speakerphone System — 3-Type — 632-, 1632-, and 2632-Type Telephone Sets — Connections and Maintenance
<b>512-6 Speakerphone and Conference Sets</b>			512-620-444	2	Speakerphone System — 3-Type — 634-, 635-, 1634-, 2634-, and 2635-Type Telephone Sets — Connections
<b>1A and 1A1 Speakerphone Systems</b>			512-620-450	2	Speakerphone System — 3-Type — 682AA, 683AA, 2682AA, and 2683AA Telephone Sets — Connections
512-610-100	2	1A and 1A1 Speakerphone Systems — Identification	512-620-460	3	Speakerphone System — 3-Type — 660A1 Telephone Set — Connections and Maintenance
512-610-101	2	1A and 1A1 Speakerphone Systems — Operation	512-620-461	1	Speakerphone System — 3 Type — 661- Type Telephone Set — Connections
512-610-200	1	1A and 1A1 Speakerphone Systems — Installation and Maintenance	512-620-462	3	Speakerphone System — 3-Type — 662- Type Telephone Set — Connections and Maintenance
512-610-400	2	1A and 1A1 Speakerphone Systems — Connections			
<b>3-Type Speakerphone Systems</b>					
512-620-100	7	Speakerphone System — 3-Type Description			
512-620-403	3	Speakerphone Systems — 3A — CALL DIRECTOR® — Connections			
512-620-406	2	Speakerphone Systems — 3 Type — Speakerphone Conference Systems			

Number	Issue	Subject	Number	Issue	Subject
512-620-471	2	Speakerphone System — 3-Type — 701B, 702B, 1702B, and 2702-Type Telephone Sets — Connections and Maintenance	512-630-401	2	KS-19134, List 1 Conference Set — Connections
512-620-474	3	Speakerphone System — 3-Type — 711B, 712B, 712BM, 1712B, 2712B, and 2712BM Telephone Sets — Connections and Maintenance	<b>512-7 Speakerphone System 4A-Type</b>		
512-620-480	3	Speakerphone System — 3-Type — 752-, 1752-, and 2752-Type Telephone Sets — Connections and Maintenance	Addendum	1	
512-620-485	2	Speakerphone Systems — 3-Type — 830-, 831-, 2830-, and 2831-Type Telephone Sets — Connections and Maintenance	512-700-100	5	4A Speakerphone Components — Identification, Installation, Operation, and Maintenance
512-620-487	2	Speakerphone Systems — 3-Type — 832-, 2832-, 833-, and 2833-Type Telephone Sets — Connections	512-710-400	3	Speakerphone System — 4A — 211PR Hand Telephone Set — Connections
512-620-495	3	Speakerphone System — 3-Type — 851- and 2851-Type Telephone Sets — Connection and Maintenance	512-710-405	4	4A — 500S, 500SM, 2500S, and 2500SM Telephone Sets — Connections
512-621-460	1	Speakerphone System — 3-Type — 1660- Type Telephone Sets — Connections and Maintenance	512-710-410	6	511- and 2511-Type Telephone Sets — Connections
512-621-462	2	Speakerphone System — 3-Type — 1662- Type Telephone Set — Connections and Maintenance	512-710-412	5	558D, 558F, 558FM, 2558D, and 2558DM Telephone Sets — Connections
512-622-460	2	Speakerphone System — 3-Type — 2660- Type Telephone Sets — Connections and Maintenance	512-720-405	5	565- and 2565-Type Plug-Ended Telephone Sets — Connections
512-622-462	3	Speakerphone System — 3-Type — 2662- Type Telephone Set — Connections and Maintenance	512-720-406	3	566MD and 566MDM Telephone Set — Connections — Speakerphone System — 4A
<b>Conference Sets</b>			512-730-400	5	630-, 631-, 632-, 634-, 635-, 2630-, 2631-, 2632-, 2634-, and 2635-Type Telephone Sets — Connections
512-630-101	3	KS-19134, List 1 Conference Set — Identification	512-730-450	5	660A1, 2660A1, and 2660A1M Telephone Sets — Connections
512-630-110	1	50A Conference Set — Identification, Installation, Connections, Operation, and Maintenance	512-730-455	3	662- and 2662-Type Telephone Sets — Connections
512-630-111	3	50A1 Conference Set — Identification, Installation, Connections, Operation, and Maintenance	512-730-460	4	682-, 683-, 2682-, and 2683-Type Telephone Sets — Connections
512-630-201	3	KS-19134, List 1 Conference Set — Installation and Maintenance	512-740-405	3	702B, 702BM, 2702B, and 2702BM Telephone Sets — Connections — Speakerphone System — 4A
			512-740-410	6	711B, 712B, 712BM, 2712B, and 2712BM Telephone Sets — Connections
			512-740-470	6	830-, 831-, 2830-, and 2831-Type Telephone Sets — Connections
			512-740-471	4	832-, 833-, 2832-, and 2833-Type Telephone Sets — Connections
			512-740-480	4	851- and 2851-Type Telephone Sets — Connections

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
512-740-481	2	852- and 2852-Type Telephone Sets — Connections
512-750-100	1	Telehelper — Identification, Installation, Connection, Operation, and Maintenance



**Division 514****Telephone Answering Sets and Systems And Announcement Sets and Systems****514-0 Indexes****514-1 DC-AC Inverter, Heater Base, and Telephone Answering Sets and Systems****514-2 Announcement and Reporting Sets****514-6 Announcement Systems — Station Control Apparatus****514-0 Indexes****514-1 DC-AC Inverter, Heater Base, and Telephone Answering Sets and Systems****Telephone Answering Sets**

	Number	Issue	Subject
	514-120-400	3	1B and 1BA — Connections
	514-124-100	1	2A — Identification and Assembly of Parts
	514-124-101	2	2A — Operation
	514-124-200	1	2A — Installation
	514-124-300	1	2A — Maintenance
	514-124-301	1	2A — Requirements and Adjustments
	514-124-400	1	2A — Connections
	514-126-100	1	2AB — Identification
	514-126-200	1	2AB — Installation and Maintenance
	514-126-400	2	2AB — Connections
	514-140-100	1	KS-14580 — (Peatophone) — Description and Installation
	514-140-300	1	KS-14580 — (Peatophone) — Maintenance for Serial No. 101 to 501 Inclusive
	514-140-301	1	KS-14580 — (Peatophone) — Maintenance for Serial No. 502 and Higher
	514-140-400	1	KS-14580 — (Peatophone) — Station Connections
	514-145-100	1	KS-16378 — Identification and Assembly of Parts
	514-145-101	2	KS-16378 — Operation
	514-145-200	1	KS-16378 — Installation
	514-145-300	3	KS-16378 — Maintenance
	514-145-301	2	KS-16378 — Mechanical Adjustments
	514-145-400	2	KS-16378 — Connections
	514-150-100	3	KS-16923, List 1 — Identification and Assembly of Parts
	514-150-101	2	KS-16923, List 1 — Operation
	514-150-200	3	KS-16923, List 1 — Installation and Connections
	514-150-300	3	KS-16923, List 1 — Mechanical Adjustments and Maintenance
	514-155-100	6	KS-19245, Lists 1, 13, 24, and 26 — Identification, Installation, Operation, and Connections
	Addendum	2	
	514-155-300	3	KS-19245, List 1 — Mechanical Adjustment and Maintenance
	514-155-301	4	KS-19245, Lists 13, 24, and 26 Telephone Answering Sets — Maintenance
	514-156-100	2	The AutoMatic TelePhone*
514-000-000	40		Numerical Index — Division 514 — Telephone Answering and Announcement Sets and Systems
514-112-100	2		KS-15662 DC-AC Inverter — For Use with Telephone Answering Sets
514-114-100	1		KS-14782 Heater Base — For Use with 1A, 1AA, 1B, and 1BA Telephone Answering Set
514-118-100	1		1A and 1AA — Description
514-118-200	1		1A and 1AA — Installation
514-118-300	1		1A and 1AA — Maintenance
514-118-400	1		1A — Station Connections
514-118-401	1		1AA — Station Connections
514-120-100	1		1B and 1BA — Identification and Assembly of Parts
514-120-101	1		1B and 1BA — Operation
514-120-200	1		1B and 1BA — Installation
514-120-300	1		1B and 1BA — Maintenance
514-120-301	1		1B and 1BA — Requirements and Adjustments

Number	Issue	Subject
514-156-105	1	Telehelper Answering Machine — Description — Telephone Answer and Record Device Sets

#### 514-2 Announcement and Reporting Sets

514-210-100	6	KS-16765, Lists 1, 2, 11, and 12 Announcement Sets — Identifi- cation and Maintenance
514-210-200	5	KS-16765, List 1, 2, 11, and 12 Announcement Sets — Installa- tion, Connections and Operation
514-230-100	4	1A Telephone Reporting Set — Identification, Installation/Connections, Test, and Maintenance
514-230-101	1	1A Telephone Reporting Set — Detailed Description
514-230-102	2	62A Control Unit — Identification, Installation, and Connections

#### 514-6 Announcement Systems — Station Control Ap- paratus

■ 514-600-100	1	AT&T Digital Announcer — Re- quirements and Tools
Addendum	1	
514-610-100	2	8A — Using KS-16765, L1 An- nouncement Set or 2-Type Tele- phone Answering Set
514-615-100	3	8A and 9A — Identification, Ins- tallation, Connections, and Maintenance
514-615-200	2	8A and 9A — Installation, Con- nections, Line-Up, and Mainte- nance
514-615-300	1	8A and 9A — Operating Pro- cedures for Single Channel Ser- vice
514-615-301	1	8A and 9A — Operating Pro- cedures for Dual Channel Ser- vice
514-616-100	1	AT&T Digital Announcer Installa- tion and User Guide

**Division 518**

**Key Telephone Systems, Communications Systems, and Switching System No. 400**

**518-0 Index and General Key Telephone System Information**

- 000 Index
- 015 Common Equipment
- 010 Key Telephone Systems — General Information

**518-1 1A, 1A1 Key Telephone Systems**

- 112 1A Key Telephone System
- 114 1A1 Key Telephone System

**518-2 1A2 Key Telephone System**

**518-3 Key Telephone Units Common To Several Systems**

- 322 PARTNER MAIL®

**518-4 6A, 6B Key Telephone Systems and Communications Systems**

- 410 6A Key Telephone System
- 411 6B Key Telephone System
- 450 Packaged Communication Systems (4A, 7A, 14A, 21A)
- 451 HORIZON® Communications System
- 455 PARTNER® Communication System

**518-5 2A, 2B Key Telephone Systems**

**518-6 MERLIN®**

**518-7 Switching System No. 400**

**518-8 Special Communications Systems**

- 810 Paging Systems

Number	Issue	Subject
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**518-0 Index and General Key Telephone System Information**

**518-000 Index**

518-000-000	84	Numerical Index — Division 518 — Key Telephone Systems, Communications Systems, and Switching System No. 400 (5-95)
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Number	Issue	Subject
<b>518-010 Key Telephone Systems — General Information</b>		
518-010-101	2	Centralized Key Telephone Installations
518-010-105	3	Grounding and Special Protection Requirements — Description
518-010-106	3	Power Unit Selection
518-010-107	1	Reserve Power — 47C Power Unit
518-010-108	5	Common Audible Signaling
518-010-109	2	Voice Station Signaling on Manual Intercoms — Identification, Installation, and Maintenance
518-010-110	1	2A1 Matrix Block — Identification, Installation, Connection, and Maintenance
Addendum	1	
518-010-111	2	Message Waiting Consoles Used With 1A, 1A1, or 1A2
518-010-115	2	Hands-Free Answering on Intercom — 1A1, 1A2, 6A and 6B Key Telephone Systems
518-010-116	2	Paging Adapter Circuit — 278A Adapter
518-010-117	1	337A Paging Adapter — Identification, Installation, Corrections, Operation, and Maintenance
518-010-130	7/91	Roadrunner Source Book for EKTS — Guide for Sun Computers' NOTE: This book is included in 501-501-000 Document Set

**518-015 Common Equipment**

518-015-101	1	AT&T RDC II User Manual
518-015-102	9/93	AT&T RLX 246 User Manual
■ 518-015-103	1	Voice Compression Multiplexer Sales Training Video

**518-1 1A, 1A1 Key Telephone Systems**

**518-112 1A Key Telephone System**

**Reference**

Addendum	2	
518-112-105	1	Reference

Number	Issue	Subject
<b>Service</b>		
518-112-420	1	50-Type Packaged Unit
518-112-421	2	Tie Line and Control Services
518-112-422	1	Intercom Services

**518-114 1A1 Key Telephone System**

<b>Reference</b>		
518-114-105	2	Identification and Arrangements
518-114-108	2	Installation and Maintenance
518-114-110	4	Key Telephone Units
<b>Addendum</b>		
518-114-115	1	Packaged Key Telephone Units
518-114-116	2	Touch-Tone Adapters
518-114-120	1	Key Service Units
518-114-417	2	Signal Key and Buzzer Circuits — Connection Data

<b>Service</b>		
518-114-425	3	Key Telephone Units
518-114-430	1	200F, G, and K Packaged Key Telephone Units
<b>Addendum</b>		
518-114-431	3	200H Packaged Units
518-114-432	1	Key Service Units

**518-2 1A2 Key Telephone System**

<b>Reference</b>		
518-215-100	7	Identification and Arrangements

<b>Service</b>		
518-215-400	8	Key Telephone Units — Identification Line Services
518-215-401	4	1A2 Key Telephone System — Auxiliary Line Services
518-215-402	6	400-Series Key Telephone Units for Intercom Services — Description
518-215-403	2	Control Services
518-215-404	2	501- and 502-Type Key Service Units — Identification, Installation, Connection, and Maintenance
<b>Addendum</b>		
518-215-405	7	Service — 513-, 514-, and 515-Type Key Service Units — Identification, Connection, and Maintenance

Number	Issue	Subject
<b>Addendum</b>		
518-215-407	2	Service — Key Service Units 550- and 551-Type — Identification, Installation, Connection and Maintenance
518-215-410	9	583- and 584-Type Panels — Identification, Installation, Connections, and Maintenance
<b>Addendum</b>		
518-215-417	7	Service — 597- and 598-Type Panels — Identification, Installation, and Connections
518-215-418	2	Panels — 601-, 602-, and 603-Type
518-215-419	6	620A-Type, 641A, and 642A Modular Panels — Identification, Installation, Connections, and Maintenance
<b>Addendum</b>		
518-215-420	6	69B, D, and G Apparatus Mountings — Identification, Installation, and Connection
518-215-421	3	626A Modular Panel
518-215-422	4	Service — 110A Apparatus Mounting
518-215-424	2	630-Type Key Service Panel and 113-Type Connecting Unit — Identification, Installation, and Connections
518-215-425	2	593-Type Key Service Unit — Identification and Installation

**518-3 Key Telephone Units Common To Several Systems**

518-300-103	1	DC Lamp Resistance Circuits — Connections
518-300-413	4	259-Type — Identification
518-300-416	1	271A Key Telephone Unit — Identification
518-300-417	1	272A Key Telephone Unit — Identification
518-310-105	1	228A and 265A Key Telephone Units — Identification
518-310-400	1	Universal Line Unit — Key Telephone Systems 1A, 1A1 — Key Equipments 100, 101A, 101B, 102A — Using 213B Key Telephone Unit

Number	Issue	Subject	Number	Issue	Subject
518-310-401	2	227A (MD) and 227B Key Telephone Units — Audible and Visual Signaling — Identification and Connections	<b>518-450 Packaged Communication Systems (4A, 7A, 14A, 21A)</b>		
518-310-403	5	232-Type Key Telephone Units (Interrupter) — Identification and Connections	Addendum	1	
518-310-405	5	Station Line Concentrators 235- and 236- Type Key Telephone Units — Identification and Connections	518-450-100	5	7A Communication System — COM KEY® Key Telephone System — Description, Ordering Information, and Operation
518-310-407	8	237-Type — Identification, Operation, and Connections	■▲518-450-101	2	7A Communication System (COM KEY 718) Installation and Maintenance
<b>518-322 PARTNER Mail®</b>			518-450-102	4	14A Communication System — (COM KEY 1434) — Identification, Installation, Connection, Operation, and Maintenance — Customer Equipment
518-322-102	1	PARTNER Mail® — Installation	518-450-103	1	COM KEY Arrangement Using 580A KSU and 832 or 2832-Type
518-322-103	1	PARTNER Mail — Quick Reference	Addendum	1	
<b>518-4 6A, 6B Key Telephone Systems and Communications Systems</b>			518-450-105	2	4A Communication System — COM KEY 416
<b>518-410 6A Key Telephone System</b>			518-450-106	4	4A Communication System— Description, Ordering Information, and Operation — COM KEY 416 Key Telephone System
Addendum	2		■ 518-450-107	2	4A Communication System (COM KEY 416) — Installation and Maintenance
518-410-100	6	Identification and Installation	Addendum	1	
518-410-300	3	Selector Only Arrangement — Maintenance	518-450-110	3	21A Communication System — Descriptive and Ordering Information (COM KEY 2152 Key Telephone System)
518-410-301	3	Single-Talking Link Arrangement — Maintenance	■ 518-450-111	3	21A Communication System — (COM KEY 2152) — Installation and Test
518-410-302	3	2-Talking Link Arrangement — Maintenance	<b>518-451 HORIZON® Communications System</b>		
Addendum	1		518-451-001	1	Business Services Design Engineering — Traffic Measurements
518-410-400	6	Selector Only — Connections	■ 518-451-002	1	Business Services Traffic Engineering
Addendum	1		518-451-010	2	Labor Time Reporting for HORIZON — Communication System to Track Costs
518-410-401	6	Single Talking Link — Connections	■▲518-451-100	8	Communications System (32A)
518-410-402	8	Two-Talking Link — Connections	518-451-103	2	Changing 16A System to 32A System — Procedures
518-410-403	1	Holding Arrangement for 6A Stations — Using 1A or 1A1 Line and Signaling Circuits			
<b>518-411 6B Key Telephone System</b>					
518-411-100	3	DIALOG® Intercom System — Description, Installation, Connection, Operation, and Maintenance			

Number	Issue	Subject	Number	Issue	Subject
518-451-104	2	Converting Feature Package A+ to Type B Common Equipment — Procedures	518-451-119	1	Feature Package A+ — Music-on-Hold Feature
518-451-105	6	System Description and Preinstallation Information — Feature Package A+	518-451-120	4	Dial Dictation Access Feature — Description — Feature Package A+, Type B, B+, D, or E Common Equipment — (32A)
518-451-106	1	Converting Feature Package A+, Type B, or B+ Common Equipment to Type E Common Equipment — Procedure — (32A)	518-451-121	3	Per Call Ringer Cutoff and Distinctive Alert Features — Description — Feature Package A+, Type B, B+, D, or E Common Equipment — (32A)
518-451-107	1	Converting Feature Package A+ to B+ Common Equipment — Procedures	518-451-122	3	Distinctive Permanent Signal Treatment Feature — Description — Feature Package A+, Type B, B+, D, or E Common Equipment — (32A)
518-451-108	1	Converting Type B Common Equipment to Type B+ Common Equipment — Procedure	518-451-123	3	External Alert Access Feature — Description — Feature Package A+, Type B, B+, D, or E Common Equipment — (32A)
518-451-109	1	Converting Type B+ or Type E Common — Equipment to Type E+ Common Equipment — Procedure	518-451-124	1	Feature Package A+ — Through Dialing Feature
518-451-110	6	Intradivisional Alphanumeric Index — Feature Documents	518-451-125	1	Feature Package A+ — Hold Feature and Hold and Conference Release on Abandon Feature
518-451-111	2	Feature Package A+ — Attendant Station Selector Console Feature	518-451-126	2	Toll Restriction Feature — Description — Feature Package A+
518-451-112	1	Feature Package A+ — Automatic Intercom With Station Busy and Station DSS with Station Busy Features	518-451-127	4	Line Status Indication and I-Use Indication Features — Description — Feature Package A+, Type B, B+, D, or E Common Equipment — (32A)
518-451-113	1	Feature Package A+ — Recall Button Feature	518-451-129	3	Loudspeaker Paging Access Feature — Description — Feature Package A+
518-451-114	2	Feature Package A+ — Call Coverage, Call Coverage — Ring Options, and Timing — Option for Send Ring on Don't Answer Features	518-451-130	3	Manual Exclusion Feature — Description — Feature Package A+, Type B, B+, D, or E Common Equipment — (32A)
518-451-115	3	Call Waiting Indication and Abbreviated Ring Features— Description — Feature Package A+, Type B, B+, D, or E Common Equipment — (32A)	518-451-132	3	Manual Signaling Feature — Description — Feature Package A+, Type B, B+, D, or E Common Equipment — (32A)
518-451-116	7	Customer Access Unit Feature — Description — Feature Package A+, Type B, B+, D, E, E+ Common Equipment — (32A)	518-451-133	3	Touch-Tone Service to Dial Pulse Conversion Feature — Description
518-451-117	2	Feature Package A+ — Central Answering Position, Supplementary Answering Position, System Alarm Indications, and Associated Answering Position Features	518-451-134	3	Feature Package A+ — Night Service — Answer Any Station Feature
518-451-118	2	Feature Package A+ — CO-ICM Conference (CO-CO Conference) Feature			

Number	Issue	Subject	Number	Issue	Subject
518-451-135	5	Extended Station Capability and Out-of- Building Stations Features — Description — Feature Package A+	518-451-206	2	Call Management System Description and Preinstallation Information — Type D Common Equipment — Call Management System (32A)
518-451-136	3	System Access — Originate Only Feature — Description — Feature Package A+, Type B, B+, D, or E Common Equipment — (32A)	518-451-207	3	Call Management System — Maintenance Support — Type D Common Equipment
518-451-137	1	Feature Package A+ — Outward Restriction Feature	518-451-208	2	Communications System — System Description and Preinstallation Information — Type E and Type E+ Common Equipment — (32A)
518-451-138	2	Feature Package A+ — Personal Line Access Feature	518-451-211	4	Attendant Station Selector Console Feature — Description — Type B, B+, D, or E Common Equipment — (32A)
518-451-139	2	Feature Package A+ — Pooled Facilities — Button Access and Facilities Busy Indication Features	518-451-212	4	Automatic Intercom With Station Busy Indication and Station Direct — Station Selection With Station Busy Indication Features — Description — Type B, B+, D, or E Common Equipment — (32A)
518-451-140	1	Feature Package A+ — Pooled Facilities — Dial Access Feature	518-451-213	5	Recall Button Feature — Description — Type B, B+, D, or E Common Equipment — (32A)
518-451-141	4	Power Failure Transfer Feature — Description — Feature Package A+, Type B, B+, D, or E Common Equipment	518-451-214	5	Call Coverage, Call Coverage— Ring Options, and Timing — Option for Send Ring on Don't Answer Features — Description — Type B, B+, D, or E Common Equipment — (32A)
518-451-142	4	Feature Package A+ — Tielines to Other PBX's Feature — (32A)	518-451-217	5	Central Answering Position, Supplementary Answering Position, System Alarm Indications, and Associated Answering Position Features — Description — Type B, B+, D, or E Common Equipment — (32A)
518-451-143	1	Feature Package A+ — Prime Line Preference, Ringing Line Preference, and Preselection Feature	518-451-218	5	CO-ICM Conference (CO-CO Conference) and Trunk-to-Trunk Conference Features — Description — Type B, B+, D, or E Common Equipment — (32A)
518-451-145	3	Touch-Tone Calling and Rotary Calling Feature — Description — Feature Package A+, Type B, B+, D, or E Common Equipment — (32A)	518-451-219	4	Music-on-Hold Access Feature — Description — Type B, B+, D, or E Common Equipment — (32A)
518-451-146	1	Feature Package A+ — Station-to-Station Calling, Dial Access to Attendant, and Immediate Ringing Features	518-451-224	4	Through Dialing Feature — Description — Type B, B+, D, or E Common Equipment — (32A)
518-451-147	1	Feature Package A+ — Station Message Waiting Feature			
518-451-148	1	Feature Package A+ — Station Call Transfer Feature			
518-451-150	3	Intercept Treatment With Reorder Tone Feature — Description — Feature Package A+, Type B, B+, D, or E Common Equipment — (32A)			
518-451-205	4	System Description and Preinstallation Information — Type B and Type B+ Common Equipment — (32A)			

Number	Issue	Subject	Number	Issue	Subject
518-451-225	4	Hold Feature, Hold and Conference Release on Abandon, and Abandon Call Search Features — Description — Type B, B+, D, or E Common Equipment — (32A)	518-451-242	5	Tielines to Other PBX's Feature — Description — Type B, B+, D, or E Common Equipment — (32A)
518-451-226	5	Toll Restriction Feature — Description — Type B, B+, D, or E Common Equipment — (32A)	518-451-243	4	Prime Line Preference, Ringing Line Preference, and Preselection Features — Description — Type B, B+, D, or E Common Equipment — (32A)
518-451-228	5	Call Pickup Feature — Description — Type B, B+, D, or E Common Equipment — (32A)	518-451-244	1	Flexible Numbering Plan and Personal Dial — Code Plan Features — Description — Type E+ Common Equipment
518-451-229	3	Loudspeaker Paging Access Feature — Description — Type B, B+, or D Common Equipment — (32A)	518-451-246	6	Station-to-Station Calling, Dial Access to Attendant, and Immediate Ringing Features — Description — Type B, B+, D, or E Common Equipment — (32A)
518-451-231	4	Station Hunting Feature — Description — Type B, B+, D, or E Common Equipment — (32A)	518-451-247	4	Station Message Waiting Feature — Description — Type B, B+, D, or E Common Equipment — (32A)
518-451-233	3	Touch-Tone Service to Dial Pulse Service Conversion Feature — Description — Type B, B+, D, or E Common Equipment — (32A)	518-451-248	4	Station Call Transfer Feature — Description — Type B, B+, D, or E Common Equipment — (32A)
518-451-234	4	Night Service—Answer Any Station and Night Service Features — Description — Type B, B+, D, or E Common Equipment — (32A)	518-451-249	4	Flexible DSS/Out Feature — Description — Type B, B+, D, or E Common Equipment — (32A)
518-451-235	6	Extended Station Capability and Out-of- Building Stations Features — Description — Type B, B+, D, or E Common Equipment — (32A)	518-451-250	1	Station Message Detail Recording Feature — Description — Type E+ Common Equipment
518-451-237	4	Outward Restriction Feature — Description — Type B, B+, D, or E Common Equipment — (32A)	518-451-251	5	Direct Group Calling Feature — Description — Type B, B+, D, or E Common Equipment — (32A)
518-451-238	4	Personal Line Access Feature — Description — Type B, B+, D, or E Common Equipment — (32A)	518-451-253	5	Busy Lamp Field Feature — Description — Type B, B+, D, or E Common Equipment — (32A)
518-451-239	4	Pooled Facilities—Button Access and Facilities Busy Indication Features — Description — Type B, B+, D, or E Common Equipment — (32A)	518-451-254	3	Call Park Feature — (Call Parking/Meet- Me- Conferencing/Call Transferring) — Description — Type B+, D, or E Common Equipment
518-451-240	4	Pooled Facilities—Dial Access Feature — Description — Type B, B+, D, or E Common Equipment — (32A)	518-451-255	1	Loudspeaker Paging Access Feature — Description — Type E Common Equipment — (32A)
518-451-241	1	Direct Inward Dialing Feature — Description — Type E+ Common Equipment — (32A)	518-451-256	1	Flexible Night Service — Description — Type E Common Equipment — (32A)
			518-451-257	1	In Button, After Call Work Button, Customer Work States, and Associated — Agent Position Features — Description — Type D Common Equipment — (32A)



Number	Issue	Subject	Number	Issue	Subject
518-451-258	1	Delayed Announcement Feature — Description — Type D Common Equipment — (32A)	518-451-507	1	System Description and Preinstallation — Type C Common Equipment
518-451-260	1	Service Observing Feature — Description — Type D Common Equipment — (32A)	518-451-508	1	Converting to Type B+ Common Equipment — Procedures
518-451-261	1	Call Transfer to Split Feature — Description — Type D Common Equipment — (32A)	518-451-510	3	Intradivisional Alphanumeric Index — Feature Documents
518-451-262	1	Code Entry and Trouble Reporting Feature — Description — Type D Common Equipment — (32A)	518-451-511	4	Attendant Station Selector Console Feature — Description — Type B or B+ Common Equipment
518-451-263	1	Assistance Feature — Description — Type D Common Equipment — (32A)	518-451-512	2	Automatic Intercom With Station Busy Indication and Station Direct Station Selection With Station Busy Indication Features — Description
518-451-264	2	Agent Log-In/Log-Out and Personal Dial — Code Calling Features — Description — Type D Common Equipment — (32A)	518-451-513	1	Recall Button Feature
518-451-265	2	Alternate Traffic Routing— Intraflow and Alternate Traffic Routing—Interflow Features — Description — Type D Common Equipment — (32A)	518-451-514	3	Call Coverage, Call Coverage — Ring Options, and Timing Option for Send Ring on Don't Answer Features — Description
518-451-266	3	Supervisor Hierarchy, Split Group Assignment and Combined Split Features — Description — Type D Common Equipment — (32A)	518-451-515	1	Call Waiting Indication and Abbreviated Ring Features
518-451-268	2	Agent Performance, Exception Reporting, Service Quality, Specific Tabulation, Trouble Log, and Trunk Usage Features — Description — Type D Common Equipment — (32A)	518-451-516	2	Customer Access Unit Feature — Description
518-451-300	6	Maintenance Support — Feature Package A+ or Type B, B+, E, or E+ Common Equipment — (32A)	518-451-517	2	Central Answering Position, Supplementary Answering Position, System Alarm Indications, and Associated Answering Position Features — Description
518-451-301	1	Feature Package A+ — Maintenance Support	518-451-518	2	CO-ICM Conference (CO-CO Conference) Feature — Description
<b>HORIZON Communications System VS (16A)</b>					
▲518-451-500	4	HORIZON Common System Vs 16A	518-451-519	1	Music-on-Hold Access Feature
518-451-505	2	System Description and Preinstallation Information — Type B or B+ Common Equipment	518-451-520	2	Dial Dictation Access Feature — Description
518-451-506	5	Maintenance Support — Type B, B+, or C Common Equipment	518-451-521	1	Per Call Ringer Cutoff and Distinctive Alert Feature
			518-451-522	1	Distinctive Permanent Signal Treatment Feature
			518-451-523	3	External Alert Access Feature — Description
			518-451-524	2	Through Dialing Feature — Description
			518-451-525	2	Hold Feature and Hold and Conference Release on Abandon Feature — Description
			518-451-526	3	Toll Restrictive Feature — Description
			518-451-527	2	Line Status Indication and I-Use Indication Features — Description



Number	Issue	Subject	Number	Issue	Subject
518-455-045	1	MLS Series Telephone Tray Cards (7-94)	<b>PARTNER Plus</b>		
518-455-050	1	PARTNER Remote Administration Unit Installation And Use	518-455-204	1	Using PARTNER PLUS in Centrex Mode (Quick Reference Card)
■ 518-455-051	3/94	PARTNER Battery Backup Apparatus Installation Instructions	518-455-210	1	PARTNER PLUS Installation and User Guide
■ 518-455-060	1	PARTNER MLS-6 Phone Photos (25/pkg)	518-455-210EE	1	PARTNER PLUS Installation and User Guide (Eastern Europe)
■ 518-455-061	1	PARTNER MLS-12 Phone Photos (25/pkg)	518-455-212	1	PARTNER PLUS Communication System R3 Programming and Use
■ 518-455-062	1	PARTNER MLS-12D Phone Photos (25/pkg)	518-455-213	1	PARTNER PLUS R3 Installation and Ordering Guide
■ 518-455-063	1	PARTNER MLS-18D Phone Photos (25/pkg)	518-455-214	1	PARTNER PLUS R3 System Planner
■ 518-455-064	1	PARTNER MLS-34D Phone Photos (25/pkg)	518-455-215	1	PARTNER PLUS R3.1 Installation and Ordering Guide
<b>PARTNER</b>			518-455-216	1	PARTNER PLUS R3.1 MLS Series Telephone Quick Reference
518-455-110	1	PARTNER Installation and User Guide	518-455-216SP	1	PARTNER PLUS R3.1 MLS Series Telephone Quick Reference (Spanish)
518-455-110EE	1	PARTNER Installation and User Guide (Eastern Europe)	518-455-217	1	PARTNER PLUS R3.1 Programming and Use
518-455-110HU	1	PARTNER Installation and User Guide R2 (Hungarian)	518-455-217SP	1	PARTNER PLUS R3.1 Programming and Use (Spanish)
518-455-112	1	PARTNER R3 Installation and User Guide	518-455-218	1	PARTNER PLUS R3.1 Installation
518-455-113	1	PARTNER R4.0 Installation and Use	518-455-220	2	PARTNER PLUS Release 2 12D Overlay for Use with MLS 12 Button Telephones
518-455-114	1	PARTNER R4.0 Quick Reference for MLS Series Telephones	518-455-221	1	PARTNER PLUS Release 2 34D Overlay for Use with MLS 34 Button Telephones
518-455-130	1	Roadrunner Source Book for PARTNER/PARTNER PLUS NOTE: This book is included in 501-501-000 Document Set	518-455-222	1	PARTNER PLUS R4.0 Installation (8-94)
518-455-150	1	PARTNER Quick Reference Card	518-455-224	1	PARTNER PLUS R4.0 Programming and Use (8-94)
518-455-150EE	1	PARTNER Quick Reference (Eastern Europe)	518-455-250	1	PARTNER PLUS Quick Reference and User Guide
518-455-150SPD	1	PARTNER Quick Reference (Spanish R2)	518-455-250EE	1	PARTNER PLUS Quick Reference Guide (Eastern Europe)
518-455-152	1	PARTNER R3 User Quick Reference Card	518-455-250SP	1	PARTNER PLUS Quick Reference Guide (Spanish R2)
518-455-170	1	PARTNER Installation and Use (Eastern Europe)	518-455-252	1	Using PARTNER PLUS Communication System R3 Quick Reference Card
518-455-170EE	1	PARTNER Programming and Use (9-94)	■ 518-455-265	1	PARTNER 48/PLUS Programming and Use Guide (United Kingdom)
518-455-171	1	PARTNER Quick Reference (Eastern Europe)			
518-455-172EE	1	PARTNER Installation (9-94)			

Number	Issue	Subject	Number	Issue	Subject
518-455-266	1	PARTNER 48/PLUS Quick Reference for use with MLS Series Telephones (United Kingdom)	518-455-321	1	PARTNER II R1 34D Overlay
518-455-268	1	PARTNER 48/PLUS System Planner (U.K.)	518-455-325	1	PARTNER II R4.0 Installation (8-94)
518-455-270	1	PARTNER 48/PLUS Installation and Use Guide (Eastern Europe)	518-455-326	1	PARTNER II R4.0 Programming and Use (8-94)
518-455-270EE	1	PARTNER 48/PLUS Programming and Use Guide (9-94)	518-455-327	1	PARTNER II R4.0 Quick Reference for Use with MLS-Series Telephones (8-94)
518-455-271	1	PARTNER 48/PLUS Quick Reference for use with MLS Series Telephones (Eastern Europe)	518-455-328	1	PARTNER II R4.0 System Planner
518-455-272	1	PARTNER 48/PLUS System Planner R3.1 (Eastern Europe)	518-455-330	1	PARTNER II Centrex R1.0 — Parts, Tools, Test Equipment
518-455-273EE	1	PARTNER 48/PLUS Installation Guide (9-94)	518-455-351SP	1	PARTNER II Programming Quice Reference (Spanish)
			518-455-710	1	Partner Plus Attendant Installation and User
			518-455-910	1	Partner Customer Testimonial Video
<b>PARTNER II</b>			<b>518-5 2A, 2B Key Telephone Systems</b>		
518-455-305	1	PARTNER II R1 User's Quick Reference Card (MLS Telephone)	518-500-020IS	1	Merlin 1030/70 Installation Guide (9-84)
518-455-305SP	1	PARTNER II R1 User's Quick Reference Card (MLS Telephone) (Spanish)	518-510-100	1	Identification
518-455-306	1	PARTNER II R3 User's Quick Reference Card (MLS Telephone)	518-510-200	1	Installation and Maintenance
518-455-310	2	PARTNER II R1 Installation and User Guide	518-510-400	1	Connections
518-455-311	1	PARTNER II R3 Programming and User Guide	<b>518-6 MERLIN®</b>		
518-455-313	1	PARTNER II Installation Quick Reference Card	518-600-000IS	5	MERLIN 206/410 — Installation Guide
518-455-315	1	PARTNER II R3 System Planner	Addendum	1	
518-455-316	1	PARTNER II R3.1 MLS Series Telephone Quick Reference	518-600-004	1	MERLIN Plus — R1: Installation Guide
518-455-316SP	1	PARTNER II R3.1 MLS Series Telephone Quick Reference (Spanish)	518-600-005	1	MERLIN II — R1: Installation Guide
518-455-317	1	PARTNER II R3.1 Programming and Use	518-600-006	1	MERLIN II — R1: Installation Manual
518-455-317SP	1	PARTNER II R3.1 Programming and Use (Spanish)	518-600-008	1	MERLIN Plus — R2: Installation Manual
518-455-318	1	PARTNER II R3.1 Installation	518-600-009	1	MERLIN II — FM2: Installation and Administration Guide
518-455-319	2	PARTNER II/PLUS R3.1 System Planner	518-600-010IS	3	MERLIN 820 — Installation Guide
518-455-320	2	PARTNER II R1 12D Overlay	518-600-011IS	1	MERLIN 820 — Service and Maintenance Manual
			518-600-012IS	1	MERLIN 206/410/820 — Service and Maintenance Manual

Number	Issue	Subject	Number	Issue	Subject
518-600-016	1	MERLIN II — FM3, Installation, Administration, and Maintenance Guide	<b>518-601 Merlin® Plus</b>		
518-600-017	1	MERLIN II ATTENDANT — Installation, Administration, and Maintenance Guide	518-601-100	1	AT&T Merlin® Identifier Installation and Administration
518-600-021IS	1	MERLIN Models 1030/3070 — Service and Maintenance Manual	518-601-101	1	AT&T Merlin Identifier User — Quick Reference Card
518-600-025IS	1	MERLIN Models 1030/3070 Feature Module 3 — Supplement to Installation Guide	<b>518-7 Switching System No. 400</b>		
518-600-031	1	MERLIN UPAM-K Installation Manual	518-710-100	5	Identification
518-600-038	2	MERLIN II, Release 3 — Data Communications Guide	518-710-200	5	Installation
518-600-039	2	MERLIN II, Feature Module 2 — Data Communications Guide	518-710-400	5	J53035A, Lists 1 and 2 Cabinet Assemblies — Method of Connecting
518-600-040	1	MERLIN II R1 — Data Communications Guide	518-710-401	3	Method of Connecting — J53035A, Lists 3, 4, 8, and 9 Cabinet Assemblies
518-600-041	1	MERLIN Plus Attendant User Guide	518-710-402	3	J53035A, Lists 10 and 11 Cabinet Assemblies — Method of Connecting
518-600-042	1	MERLIN Plus Attendant Installers Guide	518-710-500	1	Alarm Circuit — Operation Tests
518-600-101SP	1	PARTNER Customization Chart (Spanish)	518-710-501	1	Key Telephone Line and Add-On Circuit — Operation Tests
518-600-106SP	1	PARTNER Programming Reference (Spanish)	518-710-502	1	Line, Link, and Marker Circuits — Operation Tests
518-600-107SP	1	PARTNER Programming Kit Release 2 (Spanish)	518-710-503	1	Junctor Circuits — Operation Tests
518-600-108SP	1	PARTNER Specification TBL (Spanish)	518-710-504	1	Dial Pulse Register Circuits — Operation Tests
518-600-110	1	Order Form GBS118 FM	518-710-505	1	Busy-Tone Trunk — Operation Tests
■ 518-600-130	7/91	Roadrunner Source Book for MERLIN 206/410/820 NOTE: This book is included in 501-501-000 Document Set	518-710-506	1	Call Progress Indicator Set — Operating Methods
■ 518-600-131	7/91	Roadrunner Source Book for MERLIN 1003/3070 NOTE: This book is included in 501-501-000 Document Set	518-710-507	1	Touch-Tone Calling — Operation Tests
■ 518-600-132	7/91	Roadrunner Source Book for MERLIN Plus/3070 NOTE: This book is included in 501-501-000 Document Set	<b>518-8 Special Communications Systems</b>		
518-600-133	11/91	Roadrunner Source Book for MERLIN II NOTE: This book is included in 501-501-000 Document Set	<b>518-810 Paging Systems</b>		
518-600-140	1	MERLIN II INNMANAGER™(Rg) — Guest Relations System	■ 518-810-130	7/91	Roadrunner Source Book for Page Pac/3070 NOTE: This book is included in 501-501-000 Document Set

**Division 529**

**Station Apparatus and Equipment Intended Solely for Specially-Engineered Lines — Not for General Telephone Use**

**529-0 Index**

**529-1 Telephone Set Components, Adjuncts, and Subscriber Sets**

**529-3 Business Sets**

**529-2 Telephone Sets**

**529-4 Consoles**

Number	Issue	Subject
<b>529-0 Index</b>		
529-000-000	44	Numerical Index — Division 529 — Station Apparatus and Equipment — Intended Solely for Specially-Engineered Lines — Not for General Telephone Use

**529-1 Telephone Set Components, Adjuncts, and Subscriber Sets**

● 529-100-110	3	Handsets — G10-Type
● 529-110-106	1	Subscriber Sets — 696A — Identification
● 529-110-107	1	Subscriber Sets — 697A — Identification
● 529-110-406	1	Subscriber Sets — 696A — Connections
● 529-110-407	1	Subscriber Sets — 697A — Connections
● 529-111-101	1	Ringer — R1A — Identification, Installation, Connections, and Maintenance
● 529-111-102	1	D-18014 Kit of Parts
● 529-120-106	3	Station Dials — 66 and 67 Types — Identification, Installation, Connections, and Maintenance
● 529-120-112	1	Station Dial — 1008B-Type — Identification and Connections
● 529-120-116	1	Station Dials — 1066-Type — Identification, Installation, and Connections

Number	Issue	Subject
● 529-122-101	3	Switch 270-Type — Identification, Installation, Connections, and Maintenance
● 529-130-100	1	KS-20161 and KS-20162 — Identification, Installation, Connections, and Maintenance
● 529-140-100	1	KS-22811L1 Voice Communication Module — Identification, Installation, Connections, Operation, and Maintenance

**529-2 Telephone Sets**

● 529-202-102	1	222A — Identification, Installation, and Maintenance
● 529-202-402	1	222A — Connections
● 529-205-100	2	500AB and 500ABM — Identification, Installation, and Maintenance
● 529-205-110	1	597AR — Identification and Connections
● 529-205-134	2	568HN, 568HS, and 568HSM
● 529-205-148	1	596E — Identification, Installation, Connections, and Maintenance
● 529-205-400	2	500AB and 500ABM — Connections
● 529-205-468	4	568HN, 568HS, and 568HSM — Connections
● 529-206-122	2	643A3 — Identification, Installation, and Maintenance
● 529-206-140	3	680- and 681-Type — Identification, Installation, Connections, and Maintenance
● 529-206-443	1	643A3 — Connections
● 529-225-102	4	2504B and 2504BM — Identification, Installation, Connections, and Maintenance
● 529-225-125	2	2550 and 2551 Types — Identification, Installation, Connections, and Maintenance
● 529-225-130	1	2554BF — Identification, Installation, Connections, and Maintenance
● 529-225-134	4	2568-Type Telephone Sets
● 529-226-113	1	2626A1 — Identification, Installation, Operation, Connections, and Maintenance
● 529-226-142	2	2684- and 2685-Type

	Number	Issue	Subject
●	529-227-107	1	2714A — Identification, Installation, and Maintenance
●	529-227-414	1	2714A — Connections
●	529-235-102	2	3504B/C — Identification, Installation, Connections, and Maintenance
●	529-235-134	5	3568-Type Telephone Sets
●	529-236-120	6	3640- and 3641-Types Telephone Set — Identification, Installation, Connections, and Maintenance
	Addendum	1	
●	529-236-133	2	3666A1-Type — Identification, Installation, Operation, Connections, and Maintenance

### 529-3 Business Sets

#### 529-301 Analog Business Sets

- 529-301-100 1 Talking Page Book — Analog

#### 529-302 Digital Business Sets

- 529-302-100 1 Talking Page Book — Digital

### 529-4 Consoles

- 529-401-105 1 Selector Consoles — 5A1 — Identification
- 529-401-405 1 Selector Console — 5A1 — Connections

**Division 530**

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**Consumer Products**

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**530-0 Index, Common Documents**

**530-1 Telephones**

**-151 Video Telephones**

Number	Issue	Subject
<b>530-0 Index, Common Documents</b>		
530-000-000	2	Numerical Index — Division 530 — Consumer Products
<b>530-1 Telephones</b>		
<b>530-151 Video Telephones</b>		
530-151-002	1	Introducing the AT&T 2500 Videophone (Brochure)
530-151-003	1	Videophone 2500 Fact Sheet



**Division 533****Large Business Systems (Private Branch Exchanges)  
— Customer Premises Systems and Customer Services Provided by ESS™ Switches****533-0 Index, Common Documents****-099 Customer Information Releases (CIRs)****533-1 Attendant Services****533-2 ACD Services**

- 200 Phase 1 ACD-ESS™ Customer Premises Equipment — 60A CPS, 90A CPS, and 90B CPS
- 205 60B Customer Premises System — Phase 2 ACD-ESS
- 210 AEMIS (ACD-ESS Management Information System) — Phase 2
- 211 ACD-ESS 12A CIS (Customer Information System) — Phase 2

**533-3 Hotel/Motel Services****533-4 ERS (Emergency Reporting Services)**

- 400 E911 System Answering Point
- 401 E9-1-1 CALL-STALKER® Service
- 402 5ESS® E 9-1-1 Service
- 409 Customized Public Safety Systems

**533-5 Network Control Services**

- 500 CNCCS (Customer Network Control Center System)
- 501 SDN (Software Defined Network)

**533-6 Applications Processor Services**

- 600/605 Advanced Communications Package
- 615 BCP (Basic Communication Package)
- 620 Application Processor Translators
- 622 CDRP (Call Detail Recording Platform)

**533-7 ISDN (Intergrated Systems Digital Network)**

- 533-700 ISDN — Applications
- 533-705 ISDN — 5ESS Interface

**533-9 Miscellaneous Services**

Number	Issue	Subject
<b>533-0 Index, Common Documents</b>		
533-000-000	63	Numerical Index — Division 533 — Customer Premises Systems and Customer Services Provided by ESS™ Switches (5-95)
533-000-001	19	Interdivisional Alphanumeric Index — ESS-Provided Services
<b>533-099 Customer Information Releases (CIRs)</b>		
533-099-002TD	1	Simplex Voiceband Digital Interface Specification, Switching Systems
533-099-003NP	1	3A Simplified Message Service Interface Translator Available for 5ESS® Switch, Switching Systems
533-099-004NP	1	Advance Communications Package (ACP) New Feature
533-099-005NP	1	AT&T's Basic Communications Package (BCP) Connects to Northern Telecom's DMS* 100 Switch, Switching Systems
533-099-006 NP	1	Advanced Communications Package Central Office-Based Capability (CO-ACP), Switching Systems
533-099-007 MG	1	Spaces Exchange Service for Translator Equipment (SES-AP), Switching Systems
533-099-008 MR	1	3A Simplified Service Interface (SMSI) Class "A" Change Notice (CN) for Inter Switch Voice Messaging (ISVM), Switching Systems
533-099-009IR	1	Local Area Signaling Services (LASS) Protocol for Analog Calling Name Delivery (ACND), Switching Systems
533-099-010NP	1	AT&T Basic Communications Package (BCP)-Version 4 Introduces the Interface to AT&T PBX Switches and the Common Record Format, Switching Systems

\* DMS is a registered trademark of Northern Telecom, Inc.

Number	Issue	Subject	Number	Issue	Subject
<b>533-1 Attendant Services</b>			<b>533-205 60B Customer Premises System — Phase 2 ACD- ESS</b>		
533-100-101	1	50A — Attendant and Station Equipment — Method of Operation	▲533-205-000	4	Installation, Test, and Maintenance
● 533-100-601	1	50A — Business Services — Traffic Engineering	533-205-100	2	Theory of Operation and Descriptive
▲533-101-000	2	50B — Installation, Test, and Maintenance	533-205-200	3	Identification
533-101-100	3	50B — Theory of Operation and Descriptive Information	533-205-300	3	Preinstallation
533-101-200	2	50B — Identification	533-205-600	1	Traffic Measurements
533-101-300	2	50B — Preinstallation	● 533-205-601	1	Traffic Engineering
533-110-100	1	51A — Installation and Connections for Centrex CO Service — 1 and 1A ESS Switches	<b>533-210 AEMIS (ACD-ESS Management Information System) — Phase 2</b>		
533-110-101	1	51A — Attendant and Station Equipment — Method of Operation — 1 and 1A ESS Switches	▲533-210-000	3	Installation, Test, and Maintenance
533-110-102	1	51A — Attendant and Station Equipment — Method of Operations — 2 ESS Switch	533-210-100	3	Descriptive
533-110-105	1	51A — Centrex Data Link and Console Demand Exercise — Fault Location Procedures — 2 ESS Switch	533-210-200	3	Identification
533-110-106	1	51A — Centralized Attendant System — Method of Operation — 1 and 1A ESS Switches	533-210-300	3	Preinstallation
533-110-107	1	51A — Centrex Data Link and Console Demand Exercise — Fault Location Procedures — 1 and 1A ESS Switches	533-210-601	2	Traffic Engineering
533-110-108	1	51A — Console Control Cabinet — Trouble Locating Procedure — 1 and 2 ESS Switches	<b>533-211 ACD-ESS 12A CIS (Customer Information System) — Phase 2</b>		
● 533-110-601	1	51A — Business Services — Traffic Engineering	533-211-100	2	Descriptive
<b>533-2 ACD Services</b>			533-211-200	2	Identification
<b>533-200 Phase 1 ACD-ESS Customer Premises Equipment — 60A CPS, 90A CPS, and 90B CPS</b>			533-211-300	2	Preinstallation
533-200-100	1	Descriptive and Theory of Operation	533-211-600	1	Traffic Engineering
533-200-200	1	Identification	<b>533-3 Hotel/Motel Services</b>		
533-200-300	1	Preinstallation	533-300-100	1	90A — For ESS™ Message Register Service — Operation and Descriptive
533-200-601	1	Traffic Engineering	533-300-200	1	90A — For ESS Message Register Service — Identification and Preinstallation
<b>533-4 ERS (Emergency Reporting Services)</b>			▲533-305-000	1	90B Customer Premises System
<b>533-400 E911 System Answering Point</b>			▲533-310-000	1	90A — For Use With ACD Functional Group Administration
<b>533-400 E911 System Answering Point</b>			<b>533-4 ERS (Emergency Reporting Services)</b>		
<b>533-400 E911 System Answering Point</b>			<b>533-400 E911 System Answering Point</b>		
<b>533-400 E911 System Answering Point</b>			▲533-400-001	1	Installation Test Maintenance
<b>533-400 E911 System Answering Point</b>			533-400-101	2	System Description

Number	Issue	Subject	Number	Issue	Subject
533-400-301	2	Preinstallation and Planning	533-401-319	1	CallStalker 9-1-1 Fault Tolerant/Automatic Location Identification (FT/ALI) System User's Guide
<b>533-401 E9-1-1 CALL-STALKER® Service</b>					
533-401-010	7	E9-1-1 Automatic Location Identification (ALI) Database Management System (DMS) Planning Guide	533-401-331	1.1	CALL-STALKER 9-1-1 Fault Resistant Database Management System (FR/DBMS) — Clerical Reference Manual
533-401-015	9	E9-1-1 Automatic Location Identification (ALI) Database Management System (DMS) Administrator's Manual	533-401-335	1	CALL-STALKER 9-1-1 Fault Resistant Database Management System (FR/DMS) — ARCS Feature Package Administrator Guide
533-401-020	1	E911 Marketing Folder With 4 Fact Sheets	533-401-350	1	ISDN Total Digital PSAP User's Guide (3-95)
533-401-021	1	ALIVE (Fact Sheet)	533-401-351	1	ISDN Total Digital PSAP Installation Guide (3-95)
533-401-022	1	ALI/DMS (Fact Sheet)	533-401-501	3	CALL-STALKER System Installation Manual
533-401-023	1	Intelligent PSAP (Fact Sheet)	533-401-503	3.2	CALL-STALKER E9-1-1 System Enhanced PSAP Integrated Controller (EPIC) 1A2/Inband Service Manual Large and Mini EPIC
533-401-026	1	CALL-STALKER Mini EPIC	<b>533-402 5ESS E 9-1-1 Service</b>		
533-401-301	7	E9-1-1 Automatic Location Identification (ALI) Database Management System (DMS) Operations Manual	533-402-120	1	5ESS Switch Enhanced 911: Network Architecture, Service Considerations, and Transitioning Guide (10-92)
533-401-303	2	CALL-STALKER E9-1-1 Telecommunicator's Guide	533-402-201	1	Enhanced 9-1-1 Service Adjunct (ESA) Operations and Maintenance Guide Release 2
533-401-307	9	E9-1-1 Automatic Location Identification (ALI) Database Management System (DMS) User's Manual	Addendum	1.1	
533-401-310	1	CALL-STALKER IMRS User Guide	533-402-202	1	Enhanced 9-1-1 Service Adjunct (ESA) Input Command and Output Message Reference Manual Release 2
533-401-312	2	CALL-STALKER PC ALI/DBMS User's Guide	533-402-203	2	Enhanced 9-1-1 Service Adjunct (ESA) Site Preparation Guide Release 2
533-401-313	1	CALL-STALKER ISDN PSAP System Installation Guide	Addendum	1.1	
533-401-314	3.1	CALL-STALKER Intelligent PSAP Display (IPD) Installation and Maintenance Guide	533-402-204	1	Enhanced 9-1-1 Service Adjunct (ESA) Error Message Reference Manual Release 2
533-401-315	3.1	CALL-STALKER E9-1-1 Intelligent PSAP Display (IPD) User's Guide	<b>533-409 Customized Public Safety Systems</b>		
533-401-316	1	CALL-STALKER ISDN PSAP Operation and Administration Guide	■ 533-409-100	1	Public Safety Systems — Chicago O'Hare Communications Center — Interface Control Document
533-401-317	1.2	CALL-STALKER 9-1-1 Fault Tolerant Automatic Location Identification (FT/ALI) System with Distribution Devices			
533-401-318	1	CallStalker 9-1-1 Fault Tolerant/Automatic Location Identification (FT/ALI) System Operation, Administration and Maintenance Guide			

Number	Issue	Subject	Number	Issue	Subject
<b>533-5 Network Control Services</b>					
<b>533-500 CNCCS (Customer Network Control Center System)</b>					
533-500-100	3	21A Customer Information System (CIS) — Descriptive	■ 533-501-029	1	AT&T SDN Billing Edge Desktop Analysis Software Report Reference Manual (5-94)
533-500-101	2	21B Customer Information System (CIS) — Descriptive	■ 533-501-030	1	SRS Software Documentation Guide (5-94)
533-500-200	3	21A Customer Information System (CIS) — Identification	■ 533-501-031	1	SRS Documentation Only (5-94)
533-500-201	2	21B Customer Information System (CIS) — Identification	533-501-032	1	AT&T SDN Billing Edge for Windows On-Line Help Manual (5-94)
533-500-300	3	Preinstallation	■ 533-501-033	6/94	SDN Intrastate/Intralatta Sales Kit
533-500-301	2	21B Customer Information System (CIS) — Preinstallation	■ 533-501-035	1	AT&T SDN OneNet Billing Reference Manual
<b>533-501 SDN (Software Defined Network)</b>			■ 533-501-036	9/94	AT&T SDN OneNet Billing Call Detail Tape Guide (Outbound - SDN)
533-501-010	1	SDN Express Connect — Sales Kit	■ 533-501-037	1	AT&T SDN OneNet Call Detail Tape Documentation (Inbound - 800) (8-94)
Addendum	1		■ 533-501-038	3/95	AT&T SDN OneNet Invoice Tape Documentation (3-95)
533-501-011	1	SDN Network Management — Sales Kit	■ Addendum	1	
533-501-012	1	SDN Office On the Move — Sales Kit	■ 533-501-039	1	AT&T SDN Billing Edge Report Reference Manual for OneNet (8-94)
533-501-013	1	SDN Access — Sales Kit	533-501-040	9/94	AT&T SDN OneNet Billing Edge Desktop Analysis Software for Windows Online Help Guide
533-501-014	1	SDN Billing — Sales Kit	533-501-042	1	SDN OneNet Call Tape Matrix (5-95)
533-501-015	1	SDN Security — Sales Kit	Addendum	2	
533-501-016	1	SDDN I9em Sales Kit	■ 533-501-100	11	SDN Service — Management Systems — User's Guide
533-501-017	1	SDN International — Sales Kits	■▲Addendum	1	
Addendum	5/93		533-501-105	2.2	ACCUMASTER® Services Workstation SDN — Information/Management User Guide
533-501-018	1	SDN Service and Support Sales Kit	■▲Addendum	1	
533-501-019	1	Introduction to Your New SDN Bill	① 533-501-110	4.2	SDN Customer Traffic Data Report
Addendum	1		533-501-113	1	SDN Installation Updates — Administrator's Reference Guide
■④533-501-020	2	Touring SDN Network Management (3 1/2" Diskette)	533-501-120	4.3	SDN Direct Access Trunk Test System — User Guide
533-501-025	12/93	SDN The Best in Business Outbounding Networking Services	■ 533-501-130	1	SDN Authorization CD Management System User Guide
533-501-026	12/93	Small or Large Sales Kit	Addendum	3	
■ 533-501-027	3.0	AT&T SDN Customer Direct/NAS User's Guide Release 3.0	■ 533-501-131	2.1	ACCUMASTER Service Workstation
■ 533-501-028	1994	AT&T SDN Billing Edge Desktop Analysis Software for Windows Package NOTE: Includes CD-ROM, 533-501-029, and Quick Start Guide			



Number	Issue	Subject	Number	Issue	Subject
533-605-203	1	INGRES/FORMS: Report-By-Forms — User Guide	<b>ACP Version 7</b>		
533-605-206	2	3A SMSI Translator — User Guide	Addendum	1	
533-605-301	1	System Administration	533-605-501	1	Advanced Communications Package Administration (9-92)
533-605-304	1	Customer Message Service System — User Guide	533-605-502	1	Advanced Communications Package Business Customer Administration
533-605-307	1	ACP Facilities Management System — User Guide V5	533-605-503	1	Advanced Station Message Detail Reporting
533-605-308	1	Traffic Data System — User Guide	Addendum	1	
533-605-311	1	Documentation Guide	533-605-504	1	ACP Customer Message Service System (9-92)
533-605-314	1	Centralized Message Detail Recording — User Guide	Addendum	1	
533-605-315	1	User Application Interface — User Guide	533-605-505	1	Electronic Directory Service (9-92)
			533-605-506	1	Advanced Communications Package Error Reference Manual
<b>ACP Version 6</b>			533-605-507	1	Facilities Management System
533-605-402	1	Advanced Communications Package Business Customer Administration	533-605-510	1	Directory Database Administration
533-605-404	1	Customer Message Service System	Addendum	1	
533-605-405	1	Electronic Directory Service	533-605-512	1	Operations, Recovery & Maintenance (12-92)
533-605-406	1	Advanced Communications Package Error Reference Manual	Addendum	1	
533-605-407	1	Facilities Management System	533-605-514	1	ACP Customer Message Detail Recording (9-92)
533-605-408	1	ACP Traffic Data System User Guide	533-605-516	1	Advanced Station Message Detail Reporting Central Office Application
533-605-411	1	ACP Documentation Guide	Addendum	1	
533-605-412	2	ACP Program Operations, Recovery & Maintenance Guide V6	533-605-517	1	Electronic Directory Service Central Office Application (9-92)
533-605-413	1	Advanced Communications Package Telecommunications Resource Management Package User Guide	533-605-518	1	Business Customer Administration Central Office Application
533-605-414	1	Centralized Message Detail Record	533-605-519	1	Directory Database Administration Central Office Application
533-605-420	1	Traffic Engineering Data (TED) Automatic Circuit Assurance (ACA)	533-605-520	1	Traffic Engineering Data (TED) Automatic Circuit Assurance (ACA)
533-605-450	1	Advanced Communications Package (ACP) System Description and Product Specification Version 6	533-605-521	1	CMSS Attendant Quick Reference Guide
533-605-451	1	Advanced Communications Package (ACP) System Product Specification	533-605-522	1	ACP General Section with Binder and Tabs for -502, 503, 504, 505, 507, 510, 514, 516, 517, 518, 519, 520, 521, & 523
			533-605-523	1	Directory Database Information

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		533-615-006	1	Dial-Up Traffic Data — User's Guide
533-605-525	1	Advanced Communications Package — Telecommunications Resource Management System — User Guide	533-615-010	1	Documentation Guide
533-605-526	1	Advanced Communications Package — Telecommunications Resource Management Package — Administrator Guide	<b>BCP Version 2</b>		
533-605-527	1	Advanced Communications Package — Terms Information Guide	533-615-101	1	Administration and Maintenance Guide
533-605-528	1	Advanced Communications Package — Telecommunications Resource Management System Implementation Guide Information Guide	533-615-102	2	Information Guide
533-605-531	1	Basic Customer Message Service (BCMS)— Quick Reference	533-615-105	1	Installation Guide
533-605-532	1	Electronic Directory Service — Central Office Quick Reference	533-615-106	1	Dial-in User's Guide
Addendum	1		533-615-109	1	System Description and Product Specification
533-605-550	1	Advanced Communications Package System Description (9-92)	533-615-110	1	Documentation Guide
Addendum	1		533-615-201	1	Administration and Maintenance Guide
533-605-551	1	Advanced Communications Package— Product Specification (9-92)	533-615-203	1	Output Specification
			533-615-209	1	System Description and Product Specification
			533-615-250	1	BCP Applications Processor Interface Translator
			533-615-300	1	BCP Operations Manual
			533-615-301	1	BCP Administrator's Guide
			533-615-303	1	BCP Output Specification
			533-615-304	1	BCP Site Preparation Guide
			533-615-305	1	BCP Installer's Guide
			533-615-306	1	BCP Dial-In User's Guide
			533-615-309	1	BCP Product Specification
			533-615-310	1	BCP Documentation Guide
			533-615-311	1	BCP System Description
			533-615-312	1	BCP Hardware Configuration
			533-615-313	1	BCP Traffic Surveillance User's Guide
			533-615-320	5/91	BCP Operators Manual (Binder Only)
			533-615-400	1	BCP Binder and Text includes: -401, 403, 404, 405, 406, 409, 410, 411, 412, 413, 420
			533-615-401	1	BCP Administrator Guide
			533-615-403	1	BCP Output Specification
			533-615-404	1	BCP Site Preparation Guide
			533-615-405	1	BCP Installers Guide
			533-615-406	1	BCP Dial-N Users Guide
			533-615-409	1	BCP Product Specification
			533-615-410	1	BCP Documentation Guide
			533-615-411	1	BCP System Description
			533-615-412	1	BCP Hardware Configuration Guide
<b>533-610 ACP Versions 5 and 6 — Central Office Application</b>					
533-610-402	1	Business Customer Administration Central Office Application			
533-610-403	1	Advanced Station Message Detail Reporting Central Office Application			
533-610-405	1	Electronic Directory Service Central Office Application			
533-610-410	1	Directory Database Administration Central Office Application			
<b>533-615 BCP (Basic Communications Package)</b>					
<b>BCP Version 1</b>					
533-615-001	1	Administration and Maintenance Guide			
533-615-004	1	Site Preparation Guide			
■ 533-615-005	1	Installation Guide			

Number	Issue	Subject	Number	Issue	Subject
533-615-413	1	BCP Traffic Surveillance User's Guide	<b>533-7 ISDN (Integrated Systems Digital Network)</b>		
533-615-420	1	BCP Operators Manual (Binder Only)	<b>533-700 ISDN — Applications</b>		
<b>533-620 AP Translators</b>			533-700-100	7	Customer Premises Equipment (CPE) Planning Guide (3-94)
533-620-110	4	3A Simplified Message Service Interface (SMSI) Translator Universal Design User's Manual (8-92)	533-700-105	6	Custom Integrated Services Digital Network — Services and Capabilities Planning (7-92)
533-620-120	2	BCP API Translator Universal Design User's Guide	Addendum	2	
533-620-130	3	5ESS Switch Message Detail Recording Translator (MDR) Translator Universal Design User's Guide (11/93)	533-700-106	2	5ESS Switch National ISDN Services and Capabilities Planning for 5E8 Software (1-93)
533-620-140	2	Property Management Interface Translator (PMIT) Translator Universal Design User's Manual	533-700-115	3	Custom ISDN Terminal User Guide
533-620-150	1	SCA Translator Universal Design User's Manual	533-700-116	1	National Integrated Services Digital Network — Customer Premises Basic Features (11-92)
533-620-160	1	Micro Electronic Directory System (MEDS) Translator Universal Design User's Guide	533-700-120	1	Network Termination Type 1 — NT1-200 Series — User's Manual
533-620-161	1	Micro Electronic Directory System (MEDS) — Quick Reference Guide"	533-700-200	4	ISDN Attendant Console — Administration Manual (6-92)
533-620-165	1	SIMUNET™ Switched DS1 System — Operations Guide (12-92)	533-700-210	4	Attendant Console — User Operation (6-92)
533-620-170	2	Translation Language PL1 Processor User's Guide (2-95)	533-700-300	1	Integrated Services Digital Network — Digital Multi-Button Key Service — Planning 6500 Sets
533-620-180	1	Message Detail Recording (MDR) Translator — Models: MDR Plus/MDR JR User's Guide (4-95)	533-700-310	1	National and Custom ISDN Feature Comparison Guide
533-620-190	1	Public Safety ALI Translator (PSAT) (3-95)	533-700-400	2	ISDN Troubleshooting Guide
<b>533-622 CDRP (Call Detail Recording Platform)</b>			■ 533-700-500	1	AT&T ISDN Client Software Profile Version 2.0
533-622-101	1	CDRP Input Commands Guide Note: To order call 614-764-5767	■ 533-700-501	1	AT&T ISDN Client Software Profile Version 3.0
533-622-102	1	CDRP Operations, Administration, and Maintenance Guide Note: To order call 614-764-5767	<b>533-705 ISDN — 5ESS Interface</b>		
533-622-103	1	CDRP Output Messages Guide Note: To order call 614-764-5767	533-705-101	1	5ESS® Switch MDR Translator
533-622-104	1	CDRP Task Oriented Practices Note: To order call 614-764-5767	Addendum	2	
			533-705-200	2	Integrated Services Digital Network (ISDN) Application Programming Interface — Programmer's Reference Manual (7-92)



Number	Issue	Subject
<b>533-9 Miscellaneous Services</b>		
533-900-100	1	91A — Description, Identification, Preinstallation, Installation, and Maintenance
533-901-100	1	93A Customer Premises System — Description
533-901-200	1	93A Customer Premises System — Identification and Preinstallation

**Division 534**

**Sections Applying to More Than One PBX Series  
500, 600, 700, and 800 Series  
Manual and Dial PBX**

**534-0 Indexes and Equipment Test List**

**534-3 Manual and Dial PBX**

**534-4 Manual PBX Switchboards**

**534-5 Ancillary Equipment Miscellaneous**

**534-6 Automatic Number Identification (ANI) Equipment**

Number	Issue	Subject
534-362-152	3	Connected to No. 1 Crossbar Central Offices Having 1300-Ohm Subscriber Conductor Loop — 520-Ohm Talking Battery Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) — Office Voltage of 48V (Floating)
534-362-153	1	Connected to Panel Central Offices Having 1300-Ohm Subscriber Conductor Loop — 140-Ohm Talking Battery-Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) — Office Voltage of 48V (Floating)
534-362-154	1	Connected to Panel Central Offices Having 785-Ohm Subscriber Conductor Loop — 50-Ohm Talking Battery-Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) — Office Voltage of 24.5V (Floating)
534-362-155	1	Connected to Panel Central Offices Having 635-Ohm Subscriber Conductor Loop — 50-Ohm Talking Battery-Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) — Office Voltage of 21V (Floating)
534-362-156	2	Connected to No. 5 Crossbar Central Offices Having 1360-Ohm Subscriber Conductor Loop — 400-Ohm Talking Battery-Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) — Office Voltage of 48V (Floating)
534-362-157	2	Connected to No. 5 Crossbar Central Offices Having 1430-Ohm Subscriber Conductor Loop — 400-Ohm Talking Battery-Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) Office Voltage of 48V (Floating)

Number Issue Subject

**534-0 Indexes and Equipment Test List**

534-000-000	48	Numerical Index — Division 534 — Sections Applying to More Than One PBX Series — 500, 600, 700, and 800 Series — Manual and Dial PBX
534-001-010	4	Business Systems — Analysis and Maintenance Plan (BSAMP)
534-001-011	2	ETL

**534-3 Manual and Dial PBX**

**534-360 Power Equipment Inspections**

534-360-535	1	Fuses and Fuse Panels — Inspections
534-360-630	1	Power Panels — Tests and Inspections

**534-362 Range Charts — PBX Trunk and Station Conductor Loop**

534-362-151	2	Connected to No. 1 Crossbar Central Office Having 1300-Ohm Subscriber Conductor Loop — 400-Ohm Talking Battery Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) — Office Voltage of 48V (Floating)
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Number	Issue	Subject	Number	Issue	Subject
534-362-158	2	Connected to Step-by-Step Line Finder Central Offices Having 885-Ohm Subscriber Conductor Loop — 400-Ohm Talking Battery-Feed Circuit — AC-DC or Superimposed Ringing (84-88 VAC Component) — Office Voltage of 48V (Floating)	534-364-211	2	Tie Trunk J58824BC and J58824BY (SD- 65718-01) — Identification and General Installation Procedures — PBX Systems
534-362-159	2	Connected to Step-By-Step Line Finder Central Offices Having 1300-Ohm Subscriber Conductor Loop — 400-Ohm Talking Battery-Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) — Office Voltage of 48V (Floating)	534-364-212	1	J59204 Electronic Tie Trunk (ETT) SD-1E500-01, SD-1E500-02 — Identification, Installation, and Connections — PBX Systems
534-362-160	2	Connected to No. 1 ESS™ Central Offices Having 1360-Ohm Subscriber Conductor Loop — 388- to 461-OHM Talking Battery-Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) — Office Voltage of 48V (Floating)	534-364-300	1	J59204 Electronic Tie Trunk (SD-1E500-01 and SD-1E500-02) Trouble-Locating Procedures and Diagnostic Tests — PBX Systems
			534-364-501	1	Tie Trunk Circuits SD-65718-01, SD-65718-02, and SD-66799-01 — Pulsing Tests and Requirements Using Pulse Repeating Test Set SD-31667-01 (J34720A) and Pulsing Test Set SD-31481-01 (J34717A) — SXS and Crossbar-Type PBX
			534-364-502	1	Tie Trunk Circuits SD-65718-01, SD-65718-02, and SD-66799-01 — Pulsing Tests and Requirements — Using 2B-1 Signaling Test Set SD-56134-02 (J64730B) and Associated Pulse Repeating Adapter SD-56134-02 (J64730D) — Step-by-Step and Crossbar-Type PBX
<b>534-364 Tie Trunks</b>			<b>534-366 Touch-Tone Calling Equipment</b>		
534-364-100	2	HJ12 Repeater SD-1E501-01 — Description and Tests — For Use With Electronic Tie Trunk (ETT) SD-1E500-01 and SD-1E500-02	534-366-210	2	Local Touch-Tone Conversion Equipment J58847N-1 — Identification, Installation, and Connections — Manual and Crossbar Type PBX's
534-364-180	3	HJ12 Repeater (SD-1E501-01) — Method for Generating Prescription Settings for Equalization and Gain When Used With Another HJ12 Repeater or Metallic Facility Terminal Repeater — Nonloaded and Loaded Cable Facilities	534-366-211	2	Centralized Touch-Tone Conversion Equipment J99322 — Identification, Installation, and Connections — PBX Systems
534-364-181	2	HJ12 Repeater (SD-1E501-01) Method for Generating Prescription Settings for Equalization and Gain When Used With V4 Repeater or Other Cable Terminating Equipment Which Uses V4 Equalization Techniques for Nonloaded Cable Facility	534-366-212	1	Link Access Touch-Tone Calling Using Link Circuit (SD-5E071-01) With Manual, 756A, 757A, 770A, 800A, 801A and 812A PBXs — Identification, Installation, Connections and Operation Tests
534-364-210	3	J58824CF (SD-65718-02) — Identification and General Installation Procedures — PBX Systems			

Number	Issue	Subject
534-366-501	2	Local Touch-Tone Calling Equipment — Operation Tests — Using Solid State Converter and Receiver Test Set Circuit SD-66890-01 (J58847M) — Manual, Crossbar, and Electronic PBX Systems
534-366-502	2	Centralized Touch-Tone Calling Converter Equipment — Operation Tests — Using Solid State Converter and Receiver Test Set Circuit SD-66890-01 (J58847M) — PBX Systems

#### 534-367 Environmental Systems

Addendum	1	
534-367-201	2	ED-1E267 — PBX Filter-Ventilator System — Identification, Installation, and Maintenance

#### 534-4 Manual PBX Switchboards

##### 534-400 General

534-400-110	1	Fundamental Circuit and Operating Features — Common Manual PBX Switchboards
534-400-565	3	General Inspection

##### 534-405 Attendant Circuits

534-405-665	1	Attendant Telephone and Dialing Circuit — Tests and Inspections — 550B, 550C, 550SC, 551A, 551B, 551D, — 552A, 552B, 552D, 552E, 600C, 605A, and 700C PBX
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##### 534-413 Blind Attendant or Visually Impaired Equipment

534-413-210	2	Blind Attendant Equipment — Lamp Signal Detector SD-65930-01 and Associated Equipment — Identification and Installation Nonmultiple PBX Switchboards
534-413-211	1	Visually Impaired Attendant Service — 990A Light Sensor and 87A Control Unit Used With PBX Consoles — Description, Installation, and Method of Operation

Number	Issue	Subject
534-413-501	1	Blind Attendant Equipment Using Lamp Signal Detector Circuit SD-65930-01 — Operation Test Nonmultiple PBX Switchboards
534-413-502	1	Visually Impaired Attendant Service — 990A Light Sensor and 87A Control Unit Used With PBX Consoles — Maintenance and Trouble Locating Procedures

#### 534-420 Manual Conference Circuits

534-420-210	5	With Voice Repeater SD-65719-01 — Installation — 550B, 550C, 550SC, 551A, 551B, 551D, 552A, 552B, 552D, 552E, 555, 556A, 605A, 606B, 607A, 607B, 608A, and 608D PBX
534-420-220	2	With Voice Amplifier SD-65738-01 — Installation — 552A, 552B, 552D, 552E, 556A, 605A, 606B, 607A, 607B, 608A, 608B, and 608D PBX Switchboards
534-420-510	5	Without Voice Repeater or With Voice Repeater SD-65719-01 — Operation Tests — 550, 551, 552, 555, 556A, 557A, 600, 605, 607, 608A, and 608D PBX Switchboards
534-420-511	3	With Voice Repeater SD-65719-01 — Overall Transmission Tests — 550, 551, 552, 555, 556A, 557A, 600, 605, 606, 607, and 608A PBXs
534-420-520	2	With Voice Amplifier SD-65738-01 — Transmission and Operation Tests — 552A, 552B, 552D, 552E, 556A, 605A, 606B, 607A, 607B, 608A, and 608D PBX Switchboards

#### 534-430 Cord Circuits

534-430-520	4	Manual Tests — 550C, 550SC, 551A, 551B, 551D, 552A, 552B, 552D, 552E, 600C, 605A, and 700C PBX
534-430-525	3	Operation Tests — Using PBX Cord Circuit Test Set J54703A — 550C, 550SC, 551A, 551B, 551D, 552A, 552B, 552D, 552E, 600C, 604C, 605A, and 700C PBX

Number	Issue	Subject	Number	Issue	Subject
<b>534-5 Ancillary Equipment Miscellaneous</b>					
<b>534-500 Miscellaneous</b>					
534-500-201	2	Plastic Bulletin Holders — Installation — 550, 551, 552, 555, 556, 600, 605, and 606 PBX	534-565-505	4	Attendant Central Office Trunks — Operation Tests — 552A, 552D, and 605A PBX
534-500-207	4	9A Handset Hangers — Identification and Installation — Non-multiple PBX Switchboards	534-565-512	1	Manual PBX Access Line Circuit SD-1E046-01 — In-Service Tests — 551A, 551B, 552A, 552B, 552D, 552E, 555, 556A, 605A, 608A, 608B, and 608D PBX
534-500-214	1	Plugshelf Facing Caps — Installation — 551, 552, 605, and 607 PBX	534-565-565	3	Intercepting Trunks — Jack and Lamp Circuit Tests — 552A, 552D, and 605A PBX
			534-565-620	3	Outgoing Tandem Trunks — For Official PBX Service — Operation Tests — 552A, 552B, 552D, 552E, 605A, 606A, 606B, 607A, 607B, 608A, 608D, and 700C PBXs
<b>534-555 Station Line Circuit (Extension Lines)</b>			534-565-665	2	Trunk Circuits — For Use With 508A PBX — Operation Tests — 551A, 551B, 551D, 552A, 552B, 552D, 552E, 556A, or 605A PBX
534-555-530	2	Dial Extension Lines — Jack Circuit Tests — 552A, 552D, and 605A PBX			
534-555-600	3	Manual Extension Lines — Relay, Jack, and Lamp Circuit Tests — 552A, 552D, and 605A PBX			
<b>534-565 Trunks</b>			<b>534-6 Automatic Number Identification (ANI) Equipment</b>		
534-565-100	3	Loudspeaker Paging Trunk SD-66883-01 — Identification, Installation, and Connections — 608-, 701-, 711-, and 740- Type PBX	534-600-301	1	(SD-1E505-01) — Troubleshooting Information Using Test Set J59204AJ — 770A, 801A, and 812A PBX's
Addendum	1		534-600-501	1	(SD-1E505-01) — Verification Procedures and Operation Tests of ANI Alarm and Message Registers — 770A, 801A, and 812A PBX's
534-565-200	1	Remote Access Unit — SD-1E502-01 — Description, Installation, and Maintenance Information			
534-565-500	3	Attendant Trunks — Jack, Lamp, and Register Circuit Tests — 552A, 552D, 605A, 607A, and 607B PBX			

**Division 536**

**500 Series PBX**

**536-0 Indexes, 505-, 506-, and 507-Type PBX, and Equipment Test Lists**

**536-4 No. 550 Series PBX — Sections Applying To More Than One Type**

**536-5 No. 550-, 552-, 555-, 556-, 557- AND 558-Type PBX**

Number	Issue	Subject
<b>536-0 Indexes, 505-, 506- and 507-Type PBX, and Equipment Test Lists</b>		

536-000-000	27	Numerical Index — Division 536 — 500 Series PBX
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536-001-011	2	ETL
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**536-050 No. 505B, 505C, 506A, and 506B PBX**

536-050-210	2	Installation
536-050-230	1	Tests and Inspections at Time of Installation
536-050-511	2	Circuit Tests
536-050-800	2	Modification for Anti-Sidetone Connections

**536-070 No. 507A and 507B PBX**

● 536-070-001	1	Business Services Engineering
536-070-210	3	Installation
536-070-230	1	Tests and Inspections at Time of Installation
536-070-511	2	Circuit Tests
536-070-512	1	Manual PBX Access Line Circuit SD-66918-01 — In-Service Tests

No. 508A PBX For Dispatching Service — See Division 473

No. 520-Type PBX For Emergency Reporting — See Division 473

**536-4 No. 550 Series PBX — Sections Applying To More Than One Type**

536-490-110	1	Signal Cabinet for Touch Operation — General Description — 550- and 551- Type PBX
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Number	Issue	Subject
536-490-200	4	Preparation for Installing — 550B, 550C, 550SC, 551A, 551B, 552B, 555, 556A, 557A, or 557B PBX
536-490-210	4	Installation — 551A, 551B, and 552B PBX
536-490-230	3	Tests and Inspections at Time of Installation — 550- and 551- Type PBX
536-490-507	3	Attendant Telephone and Dial Circuits — Tests and Inspections — 555, 556A, and 557A PBX
536-490-525	3	Cord Circuits — Manual Tests — 555, 556A, and 557A PBX
536-490-600	5	Miscellaneous Circuits — Ringing, Battery, Auxiliary Signal, Grouping, Fuse, and Power Alarms — Tests and Inspections — 550B, 550C, 550SC, 551A, 551B, 551D, 555, 556A, and 557A PBX
536-490-660	3	Extension Lines — Relay, Jack, and Lamp Circuit Tests — 550B, 550C, 550SC, 551A, 551B, 551D, and 555 PBX
536-490-665	5	Central Office Trunks — Operation Tests — 550B, 550C, 550SC, 551A, 551B, 551D, 555, 556A, and 557A PBX
536-490-666	2	Tie Trunk Circuits — Outgoing Manual and Dial Repeating — Incoming Manual or Dial Selected — Operation Tests — 555 and 557A PBX
536-490-667	2	Ringdown and Automatic Tie Trunk Circuits — Operation Tests — 555 and 557A PBX

**536-5 No. 550-, 552-, 555-, 556-, 557-, and 558-Type PBX**

**536-500 No. 550-Type PBX**

536-500-210	4	Installation — 550B, 550C, and 550SC PBX
536-500-522	1	Cord Circuits — Operation Tests — 550B PBX

**536-510 No. 551A PBX**

536-510-400	1	Blind Attendant Equipment — Lamp Signal Detector SD-65930-01 and Associated Equipment Connections — 551A PBX
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Number	Issue	Subject	Number	Issue	Subject
<b>536-520 No. 552-Type PBX</b>			<b>536-559 No. 556A PBX</b>		
● 536-520-001	1	Business Services Engineering — 552A, 552B, 552D, and 552E PBX	● 536-559-001	1	Business Services Engineering
536-520-110	1	General Description — 552B and 552E PBX	<b>536-560 Modified PBX for Handicapped</b>		
536-520-400	1	Blind Attendant Equipment — Lamp Signal Detector SD-65930-01 and Associated Equipment Connections — 552A, B, D, E PBX	Addendum	1	
536-520-600	3	Miscellaneous Circuits — Ringing, Battery, Auxiliary Signal, Night Alarm, and Fuse Alarm — Tests and Inspections — 552A and 552D PBX	536-560-210	4	Identification, Installation, and Connections — (Manual Auxiliary for 756A PBX) — 556A PBX
			536-560-230	1	Tests and Inspections at Time of Installation — (Manual Auxiliary for 756A PBX)
			536-560-400	1	Blind Attendant Equipment — Lamp Signal Detector SD-65930-01 and Associated Equipment Connections — 556A PBX
			536-560-660	1	Station Line Circuits — Operation Tests
<b>536-550 No. 555 PBX</b>			<b>536-580 558A PBX</b>		
● 536-550-001	1	Business Services Engineering	● 536-580-001	1	Business Services Engineering
536-550-110	1	General Description	Addendum	1	
536-550-210	4	Installation	536-580-210	2	Identification, Installation, Connections, Inspection, Tests, and Method of Operation
536-550-230	2	Tests and Inspections at Time of Installation			
536-550-400	1	Blind Attendant Equipment — Lamp Signal Detector SD-65930-01 and Associated Equipment Connections — 555 PBX	<b>536-590 559A Communication Package</b>		
<b>536-551 Specially Modified 555 PBX</b>			● 536-590-210	3	Identification, Installation, Connections, Tests, and Inspections
536-551-210	2	Specially Modified 555 PBX Equipped for Autovon and Radio Circuits — Identification, Installation, Connections, and Tests			
536-551-212	1	Specially Modified 555 PBX (Civil Disturbance Package) Equipped for Autovon and Radio Circuits — Identification, Installation, and Connections			

**Division 538**

**600 Series PBX**

**538-0 Index, 600 Series PBX, and Equipment Test List**

- 040 No. 605A PBX
- 050 No. 606 and 607-Type PBX — Sections Applying to More Than One Type
- 060 No. 606-Type PBX
- 070 No. 607-Type PBX
- 080/086 No. 608A, 608B and 608D Type PBX

**538-0 Index, 600 Series PBX, and Equipment Test List**

Number	Issue	Subject
538-000-000	33	Numerical Index — Division 538 — 600 Series PBX
538-001-011	2	ETL
538-002-600	1	Miscellaneous Circuits — Ringing, Battery, Auxiliary Signal, Night Alarm and Fuse Alarm — Tests and Inspections
538-002-660	1	Extension Lines — Relay, Jack, and Lamp Circuit Tests
538-002-665	1	Central Office Trunks — Operation Tests
<b>538-040 No. 605A PBX</b>		
❶ 538-040-001	1	Business Services Engineering
538-040-110	1	General Description
538-040-600	2	Miscellaneous Circuits — Generator, Night Alarm, Fuse Alarm, and Battery Cutoff — Tests and Inspections
538-040-660	2	Extension Lines — Convertible to Dial Line Circuit — Relay, Jack, and Lamp Circuit Tests

**538-050 No. 606 and 607-Type PBX — Sections Applying to More Than One Type**

538-050-505	3	Attendant Telephone and Dialing Circuit — Tests and Inspections — 606B and 607A PBX
538-050-524	3	Cord Circuits — Operation Tests — 606B and 607A PBX

Number	Issue	Subject
538-050-660	1	Station Line Circuits — Manual and Dial — Operation Tests — 606B, 607A and 607B PBX
538-050-665	3	Incoming, Outgoing, Two-Way Central Office and Local Trunks — Operation Tests — 606A, 607A and 607B PBX
538-050-667	3	Tie Trunks — Operation Tests — 606A, 607A and 607B PBX

**538-060 No. 606-Type PBX**

538-060-505	2	Attendant Telephone and Dialing Circuit — Tests and Inspections — 606A PBX
538-060-523	3	Cord Circuits — Operation Tests — 606A PBX
538-060-600	2	Miscellaneous Circuits — Position Grouping, Auxiliary Signal, Night Alarm, Peg Count, and Supervisor Circuit — Tests and Inspections — 606A PBX
538-060-660	3	Station Line Circuits — Operation Tests — 606A PBX
538-060-665	3	Trunks to Attendant Connectors — Including Tests of Attendant Connectors — Operation Tests — 606A or 606B PBX

**538-070 No. 607-Type PBX**

❶ 538-070-001	1	Business Services Engineering — 607 PBX
538-070-505	1	Attendant Telephone and Dialing Circuit — Tests and Inspections — 607B PBX
538-070-525	1	Cord Circuits — Operation Tests — 607B PBX
538-070-526	1	Manual PBX Access Line Circuit SD-1E047-01 — In-Service Tests — 607A and 607B PBX
538-070-600	1	Miscellaneous Circuits — Position Grouping, Night Alarm, Peg Count, Service Assistant Telephone, Test Cord, Calling Signal, and Lamp Battery Cutoff — Operation Tests — 607A and 607B PBX



Number	Issue	Subject	Number	Issue	Subject
538-080/086 No. 608A, 608B and 608D Type PBX			538-080-600	2	Miscellaneous Circuits — Battery Cut-Off Generator Supply, Auxiliary Signal, Alarms, Peg Count, and Page Key — Operation Tests — 608A and 608B PBX
❶ 538-080-001	1	Business Services Engineering — 608A PBX	538-080-660	1	Station Line Circuits — Operation Tests — 608A PBX
538-080-210	3	Manual, Nonmultiple 608A PBX Arranged for Plug-In Feeder Cables — Identification, Installation, and Connections	538-080-665	2	Attendant and Intercepting Trunks — Jack, Lamp and Register Circuit Tests — 608-Type PBX With Direct Trunk Termination
538-080-211	1	Manual Conference Connection Circuit SD-65872-01 Using Conference Bridge Circuit With Transistorized Amplifiers for Four or Six Simultaneous Connections SD-96595-01 — Identification, Installation, Connection, and Operational Check — 608D PBX	538-080-667	2	Central Office and Tie Trunks — Operation Tests — 608-Type PBX With Direct Trunk Termination
538-080-212	1	Identification — Installation and Connections (Manual Auxiliary for 701PK PBX) 608A PBX	❶ 538-081-215	1	Identification, Installation, and Connections — 756A, 757A, and 800A Dial PBXs
538-080-230	2	Tests and Inspections at Time of Installation — 608-Type PBX	538-082-524	1	Cord Circuit SD-65832-01 — Position Circuit SD-65833-01 — Operation Tests — Using PBX Cord Circuit Test Set SD-66484-01 (J54703A) — 608B PBX Switchboard
538-080-400	1	Blind Attendant Equipment — Lamp Signal Detector SD-65930-01 and Associated Equipment Connections — 608A, 608D PBX	538-085-210	3	Manual, Nonmultiple 608D PBX — Arranged for Plug-In Feeder Cables — Identification, Installation, and Connections
538-080-512	2	Attendant Loop Circuit SD-65830-01 — Arranged for Inward Dialing — Operation Tests Using Jack Mounting ED-60613-30, G3 and G4 — 608B and 608D PBX Switchboard	538-085-212	2	Manual Auxiliary for 701PK PBX — Identification, Installation, and Connections — 608D Switchboard
538-080-523	2	Cord Circuit SD-66720-01 — Position Circuit SD-66721-01 — Manual Tests — Manual or Dial Auxiliary — 608A PBX	538-085-213	2	Manual Auxiliary for 701B PBX — Identification, Installation, and Connections — 608D Switchboard
538-080-524	3	Cord Circuit SD-66720-01 — Position Circuit SD-66721-01 — Operation Tests — Using PBX Cord Circuit Test Set SD-66484-01 (J54703A) — Manual or Dial Auxiliary — 608A PBX	538-085-215	2	Identification, Installation, and Connections for 608D Switchboard Used as Attendant Position With 756A and 757A Dial PBXs
538-080-528	2	Cord Circuit ES-65841-01 — Position Circuit ES-65840-01 — Position "TOUCH-TONE®" Calling Circuit ES-65842-01 — Operation Tests — Using PBX Cord Circuit Test Set SD-66484-01 (J54703A) — 608A Switchboard — Arranged for Customer Group Service — No. 5 Centrex	538-085-523	2	Cord Circuit and Position Circuit — Manual Tests — 608D PBX
			538-085-524	2	Cord Circuit SD-67034-01 — Position Circuit SD-67037-01 — Operation Tests — Using PBX Cord Circuit Test Set SD-66484-01 (J54703A) — Manual or Dial Auxiliary — 608D PBX

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
538-085-600	1	Miscellaneous Circuits — Battery Cutoff, Generator Supply, Auxiliary Signal — Alarms and Peg Count — Operation Tests — 608D PBX
538-086-524	1	Cord Circuit SD-67035-01 — Position Circuit SD-67037-01 — Operation Tests — Using PBX Cord Circuit Test Set SD-66484-01 (J54703A) — 608D PBX Switchboard

**Division 540****Sections Applying to More Than One 700 Series PBX Including CENTREX CU, Attendant Equipment For CENTREX CO, And Touch-Tone Calling****540-0 Indexes and General Information****540-1 Sections Applying To More Than One 700 Series Step-By-Step PBX****540-3 Sections Applying To More Than One 700 Series Step-By-Step and Crossbar Type PBX****540-5 Sections Applying To Centrex Equipment and Circuits****540-7 Sections Applying To Step-By-Step PBX Equipment and Circuits Associated With Touch-Tone Calling**

Number	Issue	Subject
540-000-000	88	Numerical Index — Division 540 — Sections Applying to More Than One 700 Series PBX — Including Centrex CU, Attendant Equipment for Centrex CO, and Touch-Tone Calling
540-001-011	3	ETL — More Than One 700 Series Step-by-Step PBX — More Than One 700 Series Step-by-Step and Crossbar PBX
540-001-013	4	ETL — Step-by-Step Centrex CU and Optional Service Features — Step-by-Step PBX Equipment and Circuits Associated With Touch-Tone Calling
540-010-300	2	Trouble-Locating Information — 700-Type — Step-by-Step PBXs
540-101-500	1	Call-Thru Test — Using Automatic Call-Thru Test Set SD-32522 (J34728)
540-105-301	3	Equipment and Circuits — Method of Taking Out of Service 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 740A, 740AX, 740B, 740C and 740E PBX
540-107-300	2	Attendant Equipment — 101-Type Key Equipment — Method of Operation — 701A, 701B, and 740E PBX
540-107-301	2	Attendant Equipment — 6-Button Key Telephone Set — Method of Operation — 701A, 701B, and 740E PBX
540-107-302	2	Attendant Equipment — 5- or 6-Type Telephone Consoles — Method of Operation — 701A, 701B and 740E PBX
540-110-501	1	Station Message Register Pulse Circuit SD-66915-01 and Station Message Register Surcharge Circuit SD-66922-01 — Operation Tests — 701B, 711B, 701PK, 740E PBX
540-113-501	1	Station Direct Station Selection Circuit SD-66856-01 — Operation Tests 701A, 701B, 711A, 711B, 740E PBX
540-115-501	2	Line Finders — Operation Tests — Using Test Set SD-90416-01 (J94704A) — 701A, 701B, 701PK, 702A, 711A, 711B, 740A, 740AX, 740B, and 740C PBX
540-117-501	1	Line Finders and 3-Wire Trunk Finders — Operation Tests — Using Test Set SD-66073-01 (J54701B) — 701A, 701B, 701PK, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C and 740E PBX
540-117-503	1	Line Finders and 3-Wire Trunk Finders — Group and Chain Circuit Test and Make-Busy from Circuit Beyond — 701A, 701B, 701PK, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C and 740E PBX
540-120-503	2	Selectors — Pulsing Tests — Using Pulsing Test Set SD-31481-01 (J3417A) — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK and 740E PBX

Number	Issue	Subject	Number	Issue	Subject
540-120-505	2	Selectors — B Relay Timing Test — Using Relay Timing Test Set SD-90418-01 (J94713A) — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, and 740E PBX	540-134-501	2	Selectors, Connectors, and Selector- Connectors — Cut-In and Release Tests — Using Dial Hand Test Set — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C and 740E PBX
540-120-507	2	Selectors — Rotary and C Relay Timing Tests — Using Relay Timing Test Set SD-90418-01 (J94713A) — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK and 740E PBX	540-134-701	2	Selectors, Connectors, and Selector- Connectors — Correction of Pulsing Failures — Using Pulsing Test Set SD-31481-01 (J34717A) — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 704AX, 740B, 740C, and 740E PBX
540-120-509	2	Selectors — Operation Tests — Using Test Set SD-66073-01 (J54701B) — 701A, 701B, 701PK, 711A, 711B, 711PK, and 740E PBX	540-140-503	2	Selectors and Selector- Connectors — Rotary Test — Using Dial Hand Test Set — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C, and 740E PBX
540-120-511	2	Selectors — Operation Tests — Using Test Set SD-90416-01 (J94704A) — 701A, 701B, 701PK, 702A, 711A, 711B, and 711PK PBX	540-140-505	2	Selectors and Selector- Connectors — Rotary Test — Using 40C Test Set — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C, and 740E PBX
Addendum	1		540-143-504	2	Connectors and Selector- Connectors — Pulsing Tests — Using Pulsing Test Set SD-31481-01 (J34717A) — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C, and 740E PBX
540-125-505	2	Connectors — Operation Tests — Using Test Set SD-66073-01 (J54701B) — 701A, 701B, 701PK, 711A, 711B, 711PK and 740E PBX	540-143-507	3	Connectors and Selector- Connectors, B, C, and E Relay Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A) — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C, and 740E PBX
540-125-507	2	Connectors — Operation Tests — Using Test Set SD-90416-01 (J94704A) — 701A, 701B, 701PK, 702A, 711A, 711B, and 711PK PBX	540-155-501	1	5-Wire Rotary Out-Trunk Switch — SD-30891-01 Arranged for Preselection — Operation Test Using Dial H and Test Set — Step-by-Step PBXs
540-128-501	1	Selector-Connector SD-65721-01 — Restricted Service Tests — 701A, 701B, 711A, 711B, and 740E PBX			
540-128-502	1	Selector — Incoming First or Outgoing SD-65950-01 — Arranged for Digit Restriction or Digit Absorption — Operation Test — 700-Type PBX			
540-128-503	1	Selector-Connectors — Operation Tests — Using Test Set SD-66073-01 (J54701B) or SD-90416-01 (J94704A) — 701A, 701B, 711A, 711B, 740A, 740AX, 740B, 740C, and 740E PBX			

Number	Issue	Subject	Number	Issue	Subject
540-169-501	2	Trunks — Continuity and Polarity Tests from Selector Levels 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C and 740E PBX	540-510-500	3	Call Distribution Circuit SD-65811-01 — Individual or Multi-customer — Alarms — Operation Tests
540-172-501	1	Trunks and Tie Trunks — Operation Tests from Selector Levels — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C, and 740E PBX	Addendum	1	
540-175-501	3	Intercepting, Tone, and Announcement Trunks — Operation Tests — 700C, 701A, 701B, 701PK, 702A, and 740E PBX	540-510-501	1	Alarms — Call Distribution Circuit SD-65829-01 — Operation Tests
540-182-501	1	Dial Conference Circuit SD-66461-01 — Operation Tests — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 740B, and 740E PBX	540-510-502	1	Alarms — Call Distribution Circuit SD-65829-01 — Operation Tests
540-188-501	2	Auxiliary Line Circuits SD-65799-01, SD-66604-02, and SD-66604-01 (A&M) — Operation Tests — 700-Type Step-by-Step PBXs	540-511-501	2	Attendant-Controlled Dial Conference Connecting Circuit SD-65897-01 For Use With Telephone Console and Transistorized Conference Circuit SD-96595-01 Arranged For A Maximum of Five Simultaneous Connections — Operation Tests — 701B PBX
<b>540-3 Sections Applying To More Than One 700 Series Step-By-Step and Crossbar Type PBX</b>			Addendum	1	
540-310-501	1	PBX Access Line Circuit SD-5E000-01 — Operational Tests — Step-by-Step Type PBX	540-511-510	2	Station Controlled Dial Conference Connecting Circuit SD-66857-01 Arranged for Use With Transistorized Conference Amplifier Circuit SD-96595-01 With A Maximum of Six Simultaneous Connections — Operation Tests — 701A, 701B, 711A, Or 711B PBX
<b>540-5 Sections Applying To Centrex Equipment and Circuits Step-by-Step PBX Centrex CU and Optional Service Features</b>			540-514-501	1	Night Service Circuit SD-65894-01 — Operation Tests — 701B PBX
① 540-500-001	1	Business Services Engineering — 701B and 711B PBX	540-515-501	2	Night Closing and Alarm Circuit SD-65898-01 — For Use With 1- or 2-Type Telephone Console or Supervisory Cabinet — Operation Tests — 701B PBX
540-507-300	4	Attendant Telephone Consoles With Direct Trunk Termination — Method of Operation — Step-by-Step Type PBX	540-516-300	3	Call Transfer — Individual Method of Operation — 701B PBX
540-507-301	3	Attendant Telephone Consoles With Switched Loop — Method of Operation	540-517-501	1	Calls Waiting Signal Circuit SD-65845-01 — Operation Test — Step-by-Step PBX
			540-518-300	2	Automatic Number Identification Circuit SD-1E007-01 — General Maintenance Procedures — Step-by-Step Type PBX
			540-518-302	2	Automatic Number Identification Circuit SD-1E007-01 — Trouble Locating Procedures — Using Test Set J58853J (SD- 1E056-01) and 716C Test Receiver — Step-by-Step Type PBX

Number	Issue	Subject	Number	Issue	Subject
540-518-303	3	Automatic Number Identification Circuit SD-1E007-01 — Trouble Locating Procedures — Using Test Set J58853J (SD- 1E056-01) — and TEKTRONIX* Oscilloscope Model 221T (Type 453 or 453A) Step-by- Step Type PBX	540-540-503	4	Trunk Circuits SD-65808-01, SD-65823-01, SD-65825-01, and SD-65846-01 Arranged for Key Termination Operation Tests — Step-by-Step Type PBX
Addendum	1		540-540-504	1	2-Way Position Trunk SD-65818-01 — For Use With Attendant Telephone Set With or Without Night Service — Operation Tests — 701B PBX
540-518-304	1	Automatic Number Identification Circuit SD-1E007-01 — Verification Procedures — Using Test Set J58853J (SD-1E056-01) — Step-by-Step Type PBX	540-540-505	1	Attendant Trunk Circuit SD-65793-01 — Operation Tests — 700C, 701A, 701B, 702A, or 740E PBX
Addendum	1		540-540-506	2	Incoming Trunk Circuit SD-65792-01 — Operation Tests — 700C, 701A, 701B, or 702A PBX
540-518-305	2	Automatic Number Identification Circuit SD-1E007-01 — Manual Verification Procedures — Step-by-Step Type PBX	540-540-507	2	Incoming Trunk Circuit SD-5E004-01 — Operation Tests — Step-by-Step Type PBX
540-518-306	1	Automatic Number Identification Circuit — SD-1E007-01 — Verification Procedures Using Test Set J59204AJ (SD- 1E506-01)	540-540-508	2	Two-Way Trunk Circuit SD-5E005-01 — Operation Tests — 701B PBX
540-518-501	2	Automatic Number Identification Circuit SD-1E007-01 — Alarms and Registers — Operation Tests — Step-by-Step Type PBX	540-540-509	2	2-Way Central Office Trunk Circuits SD-65895-01 and SD-5E045-01 — Key Terminated — For Use With Telephone Console — Operation Tests — Step-by- Step Type PBX
540-521-501	2	Finder Circuits 100-Point 4-, 6-, and 8-Wire SD-65906-01, SD-65953-01, SD-65954-01, SD-65955-01 — Operation Tests	540-540-510	2	2-Way Central Office Trunk Circuit SD-5E006-01 — Operation Tests — Step- by-Step PBX
540-530-501	4	Call Distribution Circuit SD-65811-01 — Individual or Multi-customer — Circuit Tests	540-540-512	1	Digit Counter Circuit SD-5E057-01 — Operation Tests — 701B
540-530-502	1	Call Distribution Circuit SD-65829-01 — Circuit Tests	540-540-513	1	Two-Way Trunk Circuit SD-5E028-01 — Operation Tests — 701A or 701B
540-540-500	1	Attendant Trunk SD-65815-01 — Operation Test — 701B PBX	540-560-501	3	Register Senders SD-65816-01 (A&M) and SD-65816-02 and Sender Links SD-65820-01 — Operation Tests — Using Sender Test Circuit SD-65827-01 — Step-by-Step Type PBX
540-540-501	3	Incoming Trunk SD-65812-01 — Arranged for Call Distribution Termination With Telephone Console — Operations Tests — 701B PBX	540-570-501	3	Attendant Loop Circuit SD-65813-01 and Position Circuit SD-65814-01 — Operation Tests Using Jack Mounting ED-60613-30, Group 5 — Step-by-Step Type PBX
540-540-502	2	2-Way Central Office Trunk SD-65850-01 — Arranged for Call Distributor Termination With Telephone Console — Operation Test	540-570-502	1	Attendant Loop Circuit SD-65830-01 — Operation Tests — Using Jack Mounting ED-60613-30, G3

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Number	Issue	Subject	Number	Issue	Subject
<b>540-575 No. 5 Crossbar Centrex CO (Attendant Equipment Only)</b>			<b>540-7 Sections Applying To Step-By-Step PBX Equipment and Circuits Associated With Touch-Tone Calling</b>		
Addendum	1		540-702-501	5	TOUCH-TONE Calling Receiver SD-67027-01, SD-98148-01, or SD-1C586-01, — Converter SD-66892-01 or SD-1E504-01, — Interface Circuit SD-66886-01 or SD-1E054-01, — and Trunk Finder Circuit SD-65906-01 — Operation Tests — Using J58847M Test Set SD-66890-01 — Step-by-Step PBX Systems
540-575-301	4	1- and 2-Type Telephone Console With Fixed Loop Termination — Method of Operation — Arranged for Phase III Centrex			
Addendum	1		540-702-502	1	Common Group "TOUCH-TONE" Calling Equipment With Crossbar — Link Access — Operation Tests — Step-by-Step Systems
540-575-302	4	1- and 2-Type Telephone Console With Switched Loop Termination — Method of Operation — Arranged for Phase III Centrex			
540-575-311	2	1- and 2-Type Telephone Console With Fixed Loop Termination — Method of Operation — Arranged for Phase II Centrex			
540-575-312	1	1- and 2-Type Telephone Console With Switched Loop Termination — Method of Operation — Arranged for Phase II Centrex			
540-575-321	2	Attendant Equipment — 1-, 2-, and 9A-Type Telephone Console and 622- Type Telephone Set — With Fixed Loop Termination — Method of Operation — Arranged for Phase I Centrex			
540-575-322	1	Attendant Equipment — 1-, 2-, and 9A-Type Telephone Console and 622- Type Telephone Set — With Switched Loop Termination — Method of Operation — Arranged for Phase I Centrex			
<b>540-580 Customer Premises Systems</b>					
540-580-101	3	50A — Identification, Installation, Connections and Installation Tests			
540-580-301	1	50A — Attendant and Station Equipment — Method of Operation			
540-580-302	2	50A — Trouble-Locating Procedures			

**Division 541**

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**700C and 710C PBX**

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**541-0 Index 700C and 710C PBX, and Equipment Test List**

Number	Issue	Subject
<b>541-0 Index 700C and 710C PBX, and Equipment Test List</b>		
541-000-000	6	Numerical Index — Division 541 — 700C and 710C PBX
541-001-011	1	ETL
<b>700C And 710C PBX — (Manual Switchboard And Dial Equipment)</b>		
541-002-501	2	Alarms — Operation Tests
<b>700C And 710C PBX — (Dial Equipment)</b>		
541-003-520	2	Connectors — Operation Tests
541-003-591	2	Line Switches and Master Switches — Operation Tests
<b>700C PBX — (Manual Switchboard)</b>		
541-004-600	1	Miscellaneous Circuits — Gen- erator, Battery, Auxiliary Signal, Night Alarm and Fuse Alarm — Tests and Inspections
541-004-659	1	Manual Extension Lines — Re- lay, Jack, and Lamp Circuit Tests
541-004-665	1	Attendant Trunks — Jack and Lamp Circuit Tests
541-004-666	1	Attendant Central Office Trunks — Relay, Jack, and Lamp Circuit Tests
541-004-667	1	Combination Central Office Trunks — Relay, Jack, and Lamp Circuit Tests
541-004-668	1	Intercepting Trunks — Jack and Lamp Circuit Tests



**Division 542****701- and 711-Type PBX****542-0 Index, 701- AND 711-Type PBX, and Equipment Test List****542-1 Sections Applying To Station Line Circuits**

Number	Issue	Subject
542-015-205	1	Incoming Selector and Dial Repeating Tie Trunk Module — Connections — 701PK PBX
542-015-209	1	Service Options — Method of Providing — 701PK PBX
542-015-210	1	Tests and Inspections at Time of Installation — 701PK PBX
542-015-501	1	Alarms — Operations Tests — 701PK PBX

Number	Issue	Subject
<b>542-0 Index, 701- and 711-Type PBX, and Equipment Test List</b>		

542-000-000	19	Numerical Index — Division 542 — 701- and 711-Type PBX
542-001-011	1	ETL
❶ 542-010-001	1	Business Services Engineering — 701A and 711A PBX
❶ 542-010-002	1	Business Services Engineering — 701B and 711B PBX
542-010-110	2	General Description — 701A and 711A PBX
542-010-310	2	Alarms — Method of Tracing — 701A and 711A PBX
542-010-500	3	Alarms — Operation Tests — 701A and 711A PBX
542-010-501	4	Alarms — Operation Tests — 701B and 711B PBX
542-010-503	1	Power Failure Transfer Circuit — Operation Tests — 701B PBX Systems
542-011-501	1	Attendant Direct Station Selection Circuit SD-66865-01 When Used With 1- and 2-Type Telephone Console — Operation Test — 701A or 701B PBX
❶ 542-015-001	1	Business Services Engineering — 701PK and 711PK PBX
Addendum	1	
542-015-201	1	Switching Cabinets — Identification and Installation — 701PK PBX
542-015-203	1	Basic and Supplementary Modules — Connections — 701PK PBX
542-015-204	1	Heavy Traffic Module — Connections — 701PK PBX

**542-1 Sections Applying To Station Line Circuits**

542-108-100	1	Station Restriction Circuit SD-5E012-01 and Station Restriction Control Circuit SD-5E034-01 Installation, Connection, and Operation Tests 710A and 701B PBX
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**Division 543**

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**702A PBX**

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**543-0 Index, 702A PBX, and Equipment Test List**

-000 Index and ETL

-020 702A PBX

Number	Issue	Subject
<b>543-000 Index and ETL</b>		
543-000-000	6	Numerical Index — Division 543 — 702A PBX
543-001-011	1	ETL
<b>543-020 702A PBX</b>		
543-020-310	2	Alarms — Method of Tracing
543-020-500	3	Alarms — Operation Tests
543-020-520	3	Attendant 3-Wire Connectors — SD-66663-01 and SD-66664-01 — Operation Tests
543-020-521	3	Attendant 3-Wire Connectors — SD-66643-01 and SD-66644-01 — Operation Tests
543-020-590	1	Line Finders — Operation Tests
543-020-655	1	Selectors and Connectors — Operation Tests — Using Test Set SD-90210-01

## Division 546

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### 740-Type PBX

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#### 546-0 Index and Equipment Test List

#### 546-4 740-Type PBX

Number	Issue	Subject
<b>546-0 Index and Equipment Test List</b>		
546-000-000	9	Numerical Index — Division 546 — 740-Type PBX
546-001-011	1	ETL

#### 546-4 740-Type PBX

##### 546-400 740A, 740B, and 740AX PBXs

546-400-110	1	General Description — 740A and 740B PBX
546-400-111	1	General Description — 740C PBX
546-400-310	2	Alarms — Method of Tracing
546-400-500	3	Alarms — Operation Tests
546-400-655	4	Selector-Connectors — Opera- tion Tests — Using Dial Hand Test Set
Addendum	1	
546-400-665	2	Central Office Trunks and Tie Trunks — Operation Tests — 740A, 740B, and 740C PBX
Addendum	1	
546-400-666	1	Central Office Trunks and Tie Trunks — Operation Tests — 740AX PBX

##### 546-404 740E PBX

❶ 546-404-001	1	Business Services Engineering
546-404-311	1	Alarms — Method of Tracing
546-404-501	3	Alarms — Operation Tests

**Division 548**

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**750A PBX**

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**548-0 Indexes and Equipment Test List**

**548-5 No. 750A PBX**

Number	Issue	Subject
<b>548-0 Indexes and Equipment Test List</b>		
548-000-000	4	Numerical Index — Division 548 — 750A PBX
548-001-011	1	ETL
<b>548-5 No. 750A PBX</b>		
548-500-110	1	General Description
548-500-200	2	Preparation for Installing
548-500-210	3	Installation
548-500-230	3	Tests and Inspections at Time of Installation
548-500-310	2	Alarms — Method of Tracing
548-500-320	3	Method of Taking Equipment and Circuits Out of Service
548-500-500	4	Alarms — Operation Tests
548-500-590	2	Link Circuits — Operation Tests
548-500-665	3	Trunks — Operation Tests

**Division 550**

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**755A PBX**

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**550-0 Indexes and Equipment****550-5 No. 755A PBX**

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
<b>550-0 Indexes and Equipment Test List</b>		
550-000-000	4	Numerical Index — Division 550 — 755A PBX
550-001-011	1	ETL
<b>550-5 No. 755A PBX</b>		
550-550-110	1	General Description
550-550-210	4	Installation
550-550-230	2	Tests and Inspections at Time of Installation
550-550-500	2	Alarms — Operation Tests
550-550-590	2	Link and Link Allotter Circuits — Operation Tests
550-550-665	1	Trunks — Operation Tests

**Division 551**

**756A, 757A, 758A, 758B, 758C, 761, and 770 PBX**

**551-0 Index and Equipment Test List**

**551-1 No. 756A PBX**

**551-2 No. 757A PBX**

**551-4 No. 758A, 758B, AND 758A/B PBX**

**551-5 No. 758C PBX**

**551-7 No. 761 AND 770 PBX**

Number	Issue	Subject
<b>551-0 Index and Equipment Test List</b>		
551-000-000	47	Numerical Index — Division 551 — 756A, 757A, 758A, 758B, 758C, 761, and 770 PBX
551-001-011	3	ETL — 756A PBX
551-001-012	3	ETL — 757A PBX
551-001-014	2	ETL — 758A and 758B PBX
551-001-015	2	ETL — 758C PBX
551-001-017	4	ETL — 761 and 770 PBX
551-010-300	2	Trouble-Locating Information — 757A PBX
551-010-301	2	Trouble-Locating Information — 756A PBX
551-010-302	1	Trouble-Locating Information — 761-Type PBX
<b>551-1 No. 756A PBX</b>		
● 551-100-001	1	Business Services Engineering
● 551-100-005	1	Business Services Administration
▲ 551-100-100	2	756A PBX
□▲ 551-100-101	1	Repair NOTE: Information now in 551-100-100
551-100-210	5	Switching Cabinets — Identification and Installation
551-100-211	7	Crown, House and Feeder, and Supplementary Cables — Method of Connecting to PBX

Number	Issue	Subject
551-100-212	3	House and Feeder Cables — From Modules 1 and 2 — Method of Connecting to Cross-Connecting Terminal
551-103-210	4	Supplementary House and Feeder Cable — Direct Station Selection by Attendant and Single-Digit Dialing — Method of Connecting to Cross-Connecting Terminal
551-103-211	5	Supplementary House and Feeder Cables — 556A Switchboard — Method of Connecting to Cross-Connecting Terminal
551-103-212	1	608A or 608D Switchboard Connections
551-104-210	2	Direct Station Selection by Stations — Identification, Installation, and Connections
Addendum	2	
551-107-210	2	Touch-Tone Calling — Identification, Installation, and Connections
551-110-210	2	Message Waiting Service — Connections
551-111-210	2	Inward Restriction SD-5E003-01 Identification — Installation and Connections
551-115-210	3	3- and 22-Type Telephone Console — Connections
551-117-210	4	4- and 32-Type Telephone Console — Connections
551-124-210	1	700-Type Attendant Modular Station Apparatus — Connections
551-129-210	3	565GBR Telephone Set — Installation and Connections
551-129-211	5	565GK, 1565GK (MD), and 2565GK Key Telephone Sets — Installation and Connections
551-131-210	1	Station Dial Transfer Trunk Circuit — Identification, Installation, and Connections
551-135-210	3	Conference Equipment — Identification, Installation, and Connections
551-137-210	2	External Traffic Register Cabinet — Identification, Installation, and Connection
551-139-210	3	Station Message Register Pulse and Surcharge Circuit SD-5E021-01 — Identification, Installation, and Connections

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		Addendum	1	
551-144-210	5	Miscellaneous Equipment — (Tie Trunks, Loudspeaker Paging Trunk, Recorded Telephone Dictation Trunk, 3A Code Call Unit, Busy Verification Auxiliary Trunk, and Auxiliary Position Circuit for Remote Trunk Answer From any Station) — Installation Information	551-175-501	2	Station Dial Transfer Controller Circuit SD-66909-01 and Transfer Trunks SD-66921-01 — Operation Tests
551-147-210	5	Service Options — Method of Providing	551-176-501	2	Dial Conference Circuit — Meet-Me Type SD-65745-01 — Operation Tests
Addendum	1		551-177-501	2	Station Controlled Dial Conference Trunk Circuit — Operation Test
551-150-209	1	Test Facilities and Test Calls — Method of Operation	551-178-501	1	Dial Conference Trunk Circuit — Attendant Controlled Type SD-66908-01 — Operation and Transmission Test
551-150-210	3	Tests and Inspections at Time of Installation	551-179-501	2	Traffic and Trouble Registers — Operation Tests
551-153-501	4	Alarm and Transfer Circuit — Circuit Tests	551-180-501	1	Station Message Register Pulse and Surcharge Circuit SD-5E021-01 — Operation Tests
Addendum	1		551-182-501	2	Attendant Trunks — Operation Tests
551-155-501	2	Marker Alarms — Circuit Tests	551-185-501	1	Busy Tone Trunk — Operation Tests
Addendum	1		551-188-501	3	2-Way Central Office Trunk (SD-65752-01) — Operation Tests
551-160-301	1	Attendant Equipment — 700- or 701-Type Modular Station Unit — Method of Operation	551-191-501	3	Loudspeaker Paging Trunk SD-65747-01 — Operation Tests
551-160-302	4	Attendant Equipment — 3-, 4-, 22-, and 32-Type Telephone Consoles — Method of Operation	551-194-501	1	Tie Trunks SD-65755-01 — Circuit Tests
Addendum	1		551-195-501	1	Tie Trunks — SD-65756-01 — Operation Tests
551-160-310	1	Attendant Equipment — 6-Button Key Telephone Set — Method of Operation			
551-166-501	2	Auxiliary Position Circuit for Remote Trunk Answering (SD-66910-01) — Operation Tests	<b>551-2 No. 757A PBX</b>		
Addendum	1		● 551-200-001	1	Business Services Engineering
551-168-501	3	Dial Pulse Register Circuit — Circuit Tests	551-200-210	5	Switching Cabinets — Identification and Installation
551-170-501	2	Line, Link and Marker Circuits — Circuit Test	551-201-210	4	Cabinet 0 — House and Feeder Cables — Method of Connecting Cabinet 0 to Switching Cabinets
551-173-501	2	Junctor Circuits — Operation Tests	551-203-210	6	Crown Cables — Method of Connecting to PBX
551-174-210	1	Traffic Measurement System No. 1A — Remote Scanner and Encoder — Connections	551-206-200	1	House and Feeder Cables — Station Line Circuits — Method of Connecting PBX to Cross-Connecting Terminal
551-174-501	1	Traffic Measurement System No. 1A — Remote Scanner and Encoder — Circuit Tests			

Number	Issue	Subject	Number	Issue	Subject
551-206-205	5	House and Feeder Cables — Central Office and Miscellaneous Trunks — Emergency Transfer and Alarm Leads — Method of Connecting PBX to External Cross-Connecting Terminal	Addendum	1	
Addendum	2		551-230-210	1	Direct Station Selection by Stations — Identification, Installation and Connections
551-206-215	3	House and Feeder Cables — Attendant Telephone Console — Position No. 1 — Direct Trunk Termination — Method of Connecting PBX to Cross-Connecting Terminal	Addendum	2	
551-206-220	4	House and Feeder Cables — Attendant Telephone Consoles 1-3 — Switched Loop Termination — Method of Connecting PBX to Cross-Connecting Terminal	551-231-210	3	Call Transfer-Individual Equipment Required to Provide Controller Unit Mounted in Auxiliary Cabinet ED-1E037-70 — Identification, Installation, and Connections
551-206-225	1	House and Feeder Cables — Multiple Attendant Telephone Consoles — 1-Type Selector Console Direct Trunk Termination Method of Connecting PBX to Cross-Connecting Terminal	Addendum	1	
551-206-230	2	House and Feeder Cables — Selector Consoles — DSS by Attendant — Method of Connecting PBX to Cross-Connecting Terminal	551-231-211	2	Call Transfer — Individual Equipment Required to Provide Controller Unit Mounted in Power Cabinet J86808 — Identification, Installation, and Connections
551-210-210	2	23-, 43- and 53-Type Telephone Consoles — Connections	Addendum	1	
Addendum	1		551-232-210	3	Touch-Tone Calling Equipment — Identification, Installation, and Connections
551-216-210	4	1- and 2-Type Telephone Consoles — Direct Trunk Termination — Connections	551-233-210	2	Station Message Register Service — Equipment Required to Provide Identification, Installation, and Connections
551-216-215	4	1- and 2-Type (A and M) Telephone Consoles — Switched Loop Operation — Connections	551-234-210	5	Trunks and Feature Units — Identification, Installation, and Connections
Addendum	1		Addendum	1	
551-216-220	1	Attendant Equipment — Multiple Attendant 1- and 2-Type Telephone Consoles — 1-Type Selector Console — Direct Trunk Termination Method of Connecting Consoles to Cross-Connecting Terminals	551-234-211	2	Auxiliary Position Circuit SD-66874-01 (Trunk Answer Any Station) — Non-Plug-In Arrangement — Identification, Installation, and Connections
551-224-210	3	1-Type Selector Consoles — Direct Station Selection — Connections	551-234-212	1	Auxiliary Incoming Trunk Circuit SD-66896-01 — Identification, Installation, and Connections
551-228-210	1	Manual Switchboard Arrangement — Identification Installations, and Connections	551-234-213	1	Message Waiting Service — Connections
			551-234-214	3	Paging Trunk Unit J58838CM (SD-66762-01) — Identification, Installation, and Connections
			Addendum	1	
			551-234-215	1	Auxiliary Position Circuit SD-66874-01 — (Trunk Answer Any Station) — Plug-in Arrangement — Identification, Installation, and Connections



Number	Issue	Subject	Number	Issue	Subject
551-234-216	1	Incoming Call Identification and Trunk Group Busy Lamp Feature — Identification, Installation, and Connections	551-258-305	2	Automatic Number Identification Circuit SD-1E007-01 — Manual Verification Procedures
551-234-218	2	Common Control Switching Arrangement — Identification, Installation, and Connections	551-258-501	2	Automatic Number Identification Circuit SD-1E007-01 — Alarms and Registers — Operation Tests
551-235-210	3	Conference Equipment — Identification, Installation, and Connections	551-260-301	5	Attendant Equipment — Single Telephone Console With Direct Trunk Termination — Method of Operation
551-236-210	2	Automatic Number Identification Equipment J58853, SD-1E007-01 — Identification, Installation, and Connections	551-260-302	5	Attendant Equipment — Telephone Consoles With Switched Loop Operation — Method of Operation
551-237-210	3	External Traffic Register Cabinet J58857 (SD-5E010-01) — Identification, Installation, and Connections	551-260-303	2	Attendant Equipment — Multiple Telephone Consoles With Direct Trunk Termination — Method of Operation
551-242-210	7	Service Options — Method of Providing	Addendum	1	
551-244-201	1	Fully Restricted Station Feature — Identification, Installation, and Connections	551-263-501	2	Attendant Link, Loop, and Controller Circuit SD-66737-01 — Operation Tests — Incoming Call Identification and Trunk Group Busy Circuit Tests
551-245-201	3	Tests and Inspections at Time of Installation	551-265-501	1	Direct Station Selection Circuit — Operation Tests
551-252-501	1	Station Message Register Pulse Circuit SD-66894-01 — Message Register Circuit SD-65852-01 — Operation Tests	551-266-501	1	Incoming Register Link Circuit — Operation Tests
551-253-501	6	Alarm, Transfer, and Traffic Register Circuit SD-66734-01 — Operation Tests	551-267-501	3	Incoming Dial Pulse Register SD-66739-01 — Circuit Tests
551-255-501	5	Marker Alarms — Operation Tests	551-268-501	3	Originating Registers — Operation Tests
551-258-300	1	Automatic Number Identification Circuit SD-1E007-01 — General Maintenance Procedures	551-270-501	3	Line, Link and Marker Circuit SD-66733-01 — Operation Tests
551-258-302	2	Automatic Number Identification Circuit SD-1E007-01 — Trouble Locating Procedures — Using Test Set J58853J (SD-1E056-01) and 716C Test Receiver	551-272-301	2	Marker Call Progress Indicator — Method of Operation, Recording and Analysis of Lamp Displays
Addendum	1		Addendum	1	
551-258-303	2	Automatic Number Identification Circuit SD-1E007-01 — Trouble Locating Procedures — Using Test Set J58853J (SD-1E056-01) and Tektronix Oscilloscope Model 221T (Type 453)	551-272-501	1	Call Progress Indicator — Operation Tests
551-258-304	2	Automatic Number Identification Circuit SD-1E007-01 — Verification Procedures Using Test Set J58853J (SD-1E056-01)	551-273-501	1	Junctor Circuits — Operation Tests
			551-274-210	1	Traffic Measurement System No. 1A — Remote Scanner and Encoder Connections
			551-274-501	1	Traffic Measurement System No. 1A — Remote Scanner and Encoder Connections — Circuit Tests

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		551-293-501	2	Outgoing or 2-Way Central Office Trunks — SD-66749-01, SD-66750-01, SD-1E002-01 and SD-5E016-01 — Operation Tests
551-275-501	1	Dial Conference Trunk Circuit Meet-Me Type SD-66761-01(MD) — Operation and Transmission Tests	551-294-501	3	Auxiliary Tie Trunk Circuit SD-66765-01 — Operation Tests
551-275-502	2	Dial Conference Trunk Circuit Station Controlled Type SD-66880-01 — Operation and Transmission Tests	551-295-501	1	Auxiliary Incoming Trunk Circuits SD-66896-01 For E and M Lead Signaling — Operation Tests
551-275-503	2	Attendant Controlled Dial Conference Trunk Circuit SD-66881-01 — Operation and Transmission Tests	551-296-501	1	Ringdown Tie Trunk — Operation Tests
551-276-501	2	Paging Trunk SD-66762-01 — Operation Tests	① 551-297-501	1	Circuits Associated With 608-Type Switchboard — Operation Tests
551-277-501	1	Executive Trunk Circuit SD-1E000-01 With Ringback and Camp-on Tone Signal — Operation Tests	<b>551-4 No. 758A, 758B, AND 758A/B PBX</b>		
551-279-501	2	Station Dial Transfer Controller Circuit SD-66753-01 and Transfer Trunk Circuit SD-66752-01 — Operation Tests	<b>551-400 No. 758A PBX</b>		
551-280-501	1	Station Restriction Control Circuit SD-5E034-01 — Station Restriction Circuit SD-5E015-01 — Operation Tests	551-410-500	1	Alarms — Operation Tests
① 551-281-501	4	Auxiliary Position Circuit SD-66874-01 (Trunk Answer from any Station) — Operation Tests	551-411-300	1	Console Circuit SD-65925-01 — Method of Operation
551-285-501	2	Busy Tone Trunks — Operation Tests	551-414-500	1	Line Pickup Circuit SD-65916-01 — Operation Tests
Addendum	1		551-415-500	1	Auxiliary Trunk Circuit SD-67075-01 — Circuit Tests
551-287-501	1	Two-Way Trunk Circuit SD-5E041-01 (A&M) for use with CCSA — Operation Tests	551-416-500	1	Flutter-Flash Lamp Signal Supply Circuit SD-67076-01 — Operation Tests
551-290-501	2	Direct Inward Dialing Trunks SD-66741-01 and SD-1E004-01 — Crossbar Offices — Operation Tests	<b>551-420) No. 758B PBX [5]51-440)</b>		
551-290-502	2	Direct Inward Dialing Trunk Circuit SD-5E046-01 or SD-5E047-01 — Operation Tests	551-424-501	1	Alarms — Operation Tests
551-291-501	2	Direct Inward Dialing Trunks SD-66740-01 and SD-1E003-01 — Step-by-Step Offices — Operation Tests	551-430-501	2	Dial Line Circuit SD-66797-01 — Operation Tests
551-292-501	1	Outgoing Trunk to Toll Operator — Operation Test	551-434-501	1	Touch-Tone Trunk Finder SD-67020-01 — Operation Tests
			551-436-501	1	Touch-Tone to Dial Pulse Converter Circuit SD-67016-01 — TOUCH-TONE Receiver SD-98148-01 — Operation Tests Using Converter Circuit J58839N (SD-67017-01)
			551-438-501	1	Timing Circuit SD-67015-01 — Operation Tests
			551-442-501	1	Busy Tone Trunk SD-65919-01 — Operation Tests

Number	Issue	Subject	Number	Issue	Subject
<b>551-450 No. 758A and 758B PBX</b>			551-511-301	3	Attendant Equipment — Telephone Consoles — Method of Operation — Arranged for Wide-band Secure-Voice Operation
551-454-501	1	Marker Circuit SD-65912-01 — Circuit Tests	Addendum	1	
551-456-501	1	Link and Select Magnet Connector Circuit SD-65913-01 — Operation Tests	551-512-300	4	Call Progress Indicator SD-67058-01 — Method of Operation
551-458-501	1	Dial Pulse Register Circuit — Circuit Tests	551-512-301	5	Decoder — Marker Trouble Indication Record — (See Section
551-464-501	1	Interrupter Circuit SD-65923-01 — Operation Tests — 758A and 758B PBX	551-512-500	2	Call Progress Indicating Circuit SD-67058-01 — Operation Tests
551-466-501	1	Traffic and Trouble Registers — Operation Tests — 758A and 758B PBX	Addendum	1	
<b>551-470 No. 758A/B PBX</b>			551-518-500	2	Register-Sender SD-67045-01 (A&M Only) — Register Sender SD-67077-01 — Operation Tests Using Register-Sender Test Set SD-67049-01 (J58845M)
① 551-470-300	1	Console Circuit SD-65925-01 — Method of Operation	① 551-518-502	1	Register-Sender SD-67090-01 — Operation Tests Using Register-Sender Test Set SD-67092-01 (J58845M)
Addendum	1		551-520-500	3	Decoder-Marker Connector Circuit SD-67046-01 or SD-67106-01 — Operation Tests
① 551-470-500	1	Alarms — Operation Tests	551-522-500	3	Link and Connector Circuit SD-67041-01 or SD-67109-01 — Operation Tests
551-470-501	1	Dial or Manual Line Circuit SD-67114-01 — Operation Test	551-524-500	3	Marker Circuit SD-67043-01 or SD-67101-01 — Decoder Circuit SD-67044-01 or SD-67102-01 Using Register-Sender Test Set SD-67049-01 (J58845M) or Register-Sender Test Set SD-67092-01 (J58845M) and Call Progress Indicator SD-67058-01 — Operation Tests
① 551-470-502	1	Marker Circuit SD-65912-01 — Circuit Tests	551-526-500	1	Precedence Circuit SD-67100-01 — Operation Tests
① 551-470-503	1	Link and Select Magnet Connector Circuit SD-65913-01 — Operation Tests	551-527-500	1	Announcement Trunk Circuit SD-67093-01 — Operation Test
① 551-470-504	1	Dial Pulse Register Circuit — Circuit Tests	551-528-500	3	1000-Hertz Supply, Interrupter, and Distributing Circuit SD-67069-01 or SD-67108-01 — Operation Tests
551-470-505	1	Flutter-Flash Lamp Signal Supply Circuit SD-67076-01 — Operation Tests	551-530-500	2	Plant and Traffic Register Circuit SD-67059-01 — Operation Tests
① 551-470-506	1	Busy-Tone Trunks SD-65919-01 — Operation Test	551-531-500	2	Flutter-Flash Lamp Signal Supply Circuit SD-67076-01 — Operation Tests
551-470-507	1	Interrupter Circuit SD-65923-01 — Operation Tests			
① 551-470-508	1	Traffic and Trouble Registers — Operation Test — Switching System			
<b>551-5 No. 758C PBX</b>					
① 551-510-001	1	Business Services Engineering			
Addendum	1				
551-510-500	4	Alarms — Operation Tests			
551-511-300	2	Console Circuit SD-65925-01 — Method of Operation			

Number	Issue	Subject	Number	Issue	Subject
● 551-533-500	2	4-Wire Station Line Circuit SD-67053-01 — Operation Tests	551-561-500	2	Digital Line Circuit (SD-73095-01), Digital Test Line Circuit (SD-73099-01), and Dial Tone Speed Measuring Circuit (SD-73103-01) — Operation Tests — For Switched Digital Data System (SDDS)
551-533-501	2	4-Wire Station Line Circuit SD-67067-01, SD-67067-02, SD-67087-01, and SD-67095-01 — Operation Tests	551-562-500	2	Digital Trunk Circuit (SD-73096-01) — Operation Tests — 758C Switching System for Switched Digital Data System (SDDS)
551-534-500	1	Line Pickup Circuit SD-65916-01 — Operation Tests	551-563-305	1	Digital Register-Sender Interface Unit SD-73101-01 — Method of Operation for Switched Digital Data System (SDDS)
551-537-500	1	Incoming Trunk Circuit — SD-67042-01 — Operation Tests	551-563-500	2	Digital Register-Sender — Operation Test — Used With Switched Digital Data System (SDDS)
551-540-500	1	Preemption and Continuity Test Trunk SD-67054-01 — Operation Tests	551-564-500	1	Plant and Traffic Register Circuit SD-67059-01 — Operation Tests — Used With Switched Digital Data System (SDDS)
551-541-500	1	Outgoing Dial Trunk Circuit SD-67051-01 — Operation Tests	551-566-305	1	Decoder Marker Test Circuit SD-67118-01 When Used With the 758C Switching System Arranged for Switched Digital Data System — Description and Method of Operation
551-542-500	1	Auxiliary Trunk Circuit SD-67075-01 — Circuit Tests	551-566-500	1	Operational Test of Decoder-Marker Circuits — SD-67102-01 and SD-67101-01 Used Decoder-Marker Test Circuit SD-67118-01 When Used With the 758C Switching System Arranged as a Switch Digital Data System
551-545-500	2	2-Way 4-Wire Tie Trunk Circuit SD-67050-01 — Tests	551-566-502	1	Decoder-Marker Connector Circuit — SD-67106-01 — Operation Tests — Used With Switched Digital Data System (SDDS)
551-546-500	2	2-Way Tie Trunk Circuit SD-67068-01 and SD-67088-01 — Operation Tests	551-567-500	1	Link and Connector Circuit SD-67109-01 — Operation Test — 758C Switching System Used With Switched Digital Data System (SDDS)
551-548-500	1	No-Test Connector Trunk Circuit SD-67064-01 Operation Tests			
551-549-500	1	Tone Trunk Circuit SD-67052-01 — Operation Test			
551-550-500	1	Touch-Tone Test Line Circuit SD-67083-01 — Operation Tests			
551-551-500	1	Secure Voice AUTOVON Trunk Circuit SD-67085-01 — Preemption Signaling Circuit Test Using Preempt-Precedence Test Set SD-69550-01 (J53042A)			
551-560-100	1	Billing Information Transmitter (BIT), BIT Performance Monitor and Load Detection Circuit — Description and Method of Operation — 758C Switching System Used With Switched Digital Data System (SDDS)			
551-560-300	1	Billing Information Transmitter (BIT), BIT Performance Monitor and Load Detection Circuit — Maintenance Procedures — 758C Switching System Used With Switched Digital Data System (SDDS)			

Number	Issue	Subject	Number	Issue	Subject
551-568-300	1	Description and Method of Operation — Call Progress Indicator Circuit SD-67117-01, Trouble Recorder Interface Circuit SD-67104-01, and Trouble Recording Arrangement for 758C Switching System for Switched Digital Data System (SDDS)	□ 551-770-003	2	770A PBX — Trouble Locating Procedures
551-569-500	1	Alarms — Operation Tests — Switched Digital Data System (SDDS)	● 551-770-004	1	Business Services Engineering
			● 551-770-005	1	Business Services Administration
			551-770-200	6	Switching Cabinets — Installation and Connections — Tests and Inspections at Time of Installation — 770A PBX
			551-770-201	4	Service Options — Method of Providing — 770A PBX
			551-770-202	1	Preinstallation Information — 770A PBX
			551-770-203	3	Features, Trunks, and Miscellaneous Equipment — Identification, Installation, and Connections — 770A PBX
			551-770-205	2	Centralized Attendant Service — Installation, Connections, Installation Test, and Trouble-Locating Procedures — 770A PBX
			551-770-301	8	770A PBX — Attendant and Station Equipment — With Direct Trunk Termination — Method of Operation
			551-770-302	8	770A PBX — Attendant and Station Equipment — Switched Loop — Method of Operation
			551-770-303	1	Test Facilities and Test Calls — Method of Operation — 770A PBX
			551-770-304	1	770A PBX AUTOVON Option — Method of Operation
			551-770-305	1	770A PBX — Centralized Attendant Service — Method of Operation
			551-770-310	5	770A PBX — Trouble Locating Information
			551-770-500	4	Alarms and Power Failure Transfer Circuits — Operation Tests — 770A PBX
			551-770-501	5	Common Circuits — Operation Tests — 770A PBX
			551-770-502	6	Trunk Circuits — Operation Tests — 770A PBX
			551-770-503	4	Attendant Common Circuits — Operation Tests — 770A PBX
			551-770-504	3	7701A PBX — Traffic Measurement System — Connections and Tests
<b>551-7 No. 761 and 770 PBX</b>					
551-700-210	4	Switching Cabinet — Identification, Installation, Connections — 761A			
Addendum	1				
551-702-210	1	Attendant and Station Equipment — Identification, Installation, Connections — 761A PBX			
551-709-201	1	Tests and Inspections at Time of Installation			
551-710-501	1	Alarm and Transfer Circuits — Circuit Tests			
Addendum	1				
551-716-301	2	Attendant and Station Equipment — Method of Operation			
551-720-210	3	Switching Cabinet — Identification, Installation, and Connections			
551-722-210	2	Attendant and Station Equipment — Identification, Installation, and Connections			
551-728-210	4	761B PBX — Service Options — Method of Providing			
551-729-201	1	Test and Inspections at Time of Installation			
551-730-501	1	Alarm and Emergency Transfer Circuits — Operation Tests			
551-736-301	2	Attendant and Station Equipment — Method of Operation			
551-770-001	3	770A PBX — Acceptance, Installation, and Test			
551-770-002	2	770A PBX — Add, Remove, and Test — Circuits and Features — (Growth and Rearrangement)			

**Division 553**

**800 Series PBX**

**553-0 Index**

**553-1 No. 800A PBX**

**553-2 No. 801A, 805A, and 812A PBX**

**553-8 No. 850A PBX**

Number	Issue	Subject
<b>553-0 Index</b>		
553-000-000	84	Numerical Index — Division 553 — 800 Series PBX
553-001-011	1	ETL — No. 800A PBX
553-001-012	1	ETL — 801A PBX
553-001-013	1	ETL — No. 805A PBX
553-001-014	1	ETL — No. 812A PBX
553-010-301	3	KS-21194 Test Set — System Status Indicator for Use With 800A and 801A PBX's — Identification, Operation, and Tests
553-010-310	1	Tie Trunk Circuit SD-1E076-01 & SD-1E321-01 Pulsing Tests and Requirements Using Pulse Signaling Test Set TTS-26B for 800A and 801A Electronic- Type PBXs
<b>553-1 No. 800A PBX</b>		
● 553-100-001	1	Business Services Engineering
553-100-210	5	Switching Cabinets and Consoles — J58849 (A, B) (MD) and (D, E) — Installation, Connections, and Installation Tests (Nonpackaged)
553-100-211	3	Switching Cabinets and Consoles — Installation, Connections, Service Options, and Installation Tests
553-102-205	3	System Growth and Rearrangement
553-103-210	2	14-, 15-, and 16-Type Telephone Consoles — Connections

Number	Issue	Subject
553-105-201	1	Auxiliary Cabinet J58849C and Associated Equipment — Identification, Installation, Connections, and Tests
553-105-216	3	Touch-tone Calling Equipment — Identification, Installation, and Connections
553-110-210	5	Service Options — Method of Providing
553-116-501	5	Alarms, Peg Count Circuit, and Traffic Register Leads to Traffic Measurement System No. 1A Remote Unit — Operation Tests
553-118-300	3	Attendant and Station Equipment — Method of Operation
553-122-300	2	Test Facilities and Test Calls — Method of Operation
Addendum	1	
● 553-123-300	3	Trouble-Locating Procedures
553-124-501	2	Common Control and Line Circuit SD-1E011-01 — Register Circuit SD-1E012-01 — Switching Network and Network Control Circuit (SD-1E196-01 or SD-1E010-01) — Operation Tests

**553-2 No. 801A, 805A, and 812A PBX**

**553-201 801A PBX**

● 553-201-001	1	Business Services Engineering
553-201-100	2	Preinstallation Information — Equipment With Quick-Connect Type Service Connect Field
553-201-101	3	Preinstallation Information — Equipped With Wire-Wrap Type Service Connect Field
553-201-200	5	Installation, Connection, Service Options and Installation Tests — 801A PBX
553-201-201	3	"TOUCH-TONE" Calling Equipment — Identification, Installation, and Connections
553-201-202	2	Auxiliary Equipment — Identification, Installation, and Connections
553-201-205	4	System Growth and Rearrangement
Addendum	1	
553-201-300	2	Attendant and Station Equipment — Method of Operation

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		553-212-202	2	Touch-tone Calling Equipment — Identification, Installation, Connection, Service Options, and Installation Tests
❶ 553-201-301	3	Trouble-Locating Procedures	553-212-203	3	Nonplug-In Miscellaneous Feature Equipment — Identification, Installation, Connections, Service Options, and Installation Tests
553-201-500	1	Tie Trunk SD-65755-01 — Operation Tests	553-212-204	2	Identification, Installation, Connections, Installation Tests — Trouble-Locating Procedures, and Method of Operation for Centralized Attendant Service (CAS)
553-201-501	1	Loudspeaker Paging Trunk Circuit SD-65747-01 — Operation Tests	533-212-205	1	Enhanced Maintenance Package — Identification, Installation, and Connections
<b>553-205 No. 805A PBX</b>			553-212-300	4	Attendant and Station Equipment — Method of Operation
❶ 553-205-001	1	Business Services Engineering	553-212-301	4	Test Facilities and Test Calls — Method of Operation
❶ 553-205-005	1	Business Services Engineering	553-212-302	4	Trouble-Locating Procedures
553-205-200	6	Switching Cabinet and Console — Identification, Installation, Connections, Service Options and Tests	553-212-500	5	Alarms, Emergency Transfer, Test Circuits, and Outputs to Traffic Measurement System No. 1A — Operation Tests
553-205-202	2	Auxiliary Equipment — Identification, Installation, and Connections for Use With 805A PBX per J58873A, List 1	553-212-501	1	Loudspeaker Paging Trunk Circuit (SD- 65747-01) — Operation Tests
Addendum	1		<b>553-8 No. 850A PBX</b>		
553-205-300	4	Attendant and Station Equipment — Method of Operation	❶ 553-800-301	1	Picturephone Service (Phase 0) — Test Facilities — Method of Operation — (Adjuncted to 701B or 757A PBX)
553-205-301	4	Test Facilities and Test Calls — Method of Operation			
553-205-302	2	Trouble-Locating Procedures			
<b>553-212 812A PBX</b>					
❶ 553-212-001	1	Business Services Engineering			
553-212-100	3	Preinstallation Information			
553-212-200	3	Installation, Connections, Service Options and Installation Tests			
553-212-201	4	Plug-In Type Trunk and Feature Units — Identification, Installation, and Connections			

**Division 554**

***DIMENSION*<sup>®</sup> PBX**

**554-0 Index and General**

**554-1 Dimension<sup>®</sup> PBX**

Number	Issue	Subject
<b>554-000 Index and General</b>		
<b>Index</b>		
554-000-000	94	Numerical Index — Division 554 — <i>DIMENSION</i> <sup>®</sup> PBX (2-94)
<b>General</b>		
554-000-010	2	Labor Time Reporting for <i>DIMENSION</i> PBX (100, 400, 600, 2000, and Custom) to Track Costs
554-000-100 IS	8	Documents Not Listed in 554 Division Index

**554-010 Systems Common to Dimension<sup>®</sup> PBX**

**General**

554-010-100	10	Attendant Console — General Description
554-010-101	4	Input/Output, Interface and Auxiliary Circuits — Maintenance Support Information
554-010-102	4	Peripheral Interface Circuit
554-010-103	2	Energy Communication Signaling Unit — Description
554-010-104	1	Attendant Console — Maintenance Support Information
554-010-110	7	Electronic Custom Telephone Service (ECTS) and Enhanced Uniform Call Distribution (EUCD) System — Description and Planning Information
554-010-112	1	Electronic Custom Telephone Service — Maintenance Support Information
554-010-122	9	Station Message Detail Recording — System Description

Number	Issue	Subject
554-010-123	3	Station Message Detail Recording — Maintenance Support
Addendum	1	
● 554-010-130	5	Remote Maintenance, Administration and Traffic System (RMATS-1) — Description, Operation, Maintenance and Installation
● 554-010-135	3	<i>DIMENSION</i> 400, 600 (Formerly 400E), and 2000/Custom PBXs — Automatic Voice Network (AUTOVON) Service

**Customer Administration Center**

554-010-140	5	Customer Administration Center System — Description for <i>DIMENSION</i> PBX and No. 1/1A ESS
554-010-141	4	<i>DIMENSION</i> 600 (Formerly 400E)/2000 and Custom PBX — Customer Administration Panel — General Description
554-010-142	3	Customer Administration Panel (CAP) — General Description — <i>DIMENSION</i> 100/400 PBX

**PRO (Performance Reporting Option) 500**

554-010-143	1	Descriptive Information — Call Management System (CMS)
554-010-144	1	Identification Information — Call Management System (CMS)
554-010-145	1	Preinstallation Information — Call Management System (CMS)
554-010-147	1	Descriptive Information — Call Management System (CMS)
554-010-148	1	Identification Information — Call Management System (CMS)
554-010-149	1	Preinstallation Information — Call Management System (CMS)
554-010-150	1	Call Management System (CMS) — Installation, Test, and Maintenance
554-010-155	1	Data Switching — Description, Installation, Operation, and Maintenance

**Dimension<sup>®</sup> 400E/600/600SN/2000 PBX**

■ 554-010-257	1	Administration and Maintenance - Volume 1, Part 1; System Administration Procedures
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Number	Issue	Subject	Number	Issue	Subject
■ 554-010-258	1	Administration and Maintenance - Volume 1, Part 2; System Maintenance	<b>Task Oriented Practices — DIMENSION 100 PBX</b>		
<b>Task Oriented Practices — Dimension 100/400/600/2000 PBX</b>			554-101-310	4	Installation and Test
554-010-410	3	Station Message Detail Recording	▲554-101-312	4	Feature Translations
<b>554-1 Dimension PBX</b>			554-101-314	4	Trouble Analysis
<b>554-101 Dimension 100/400 PBX</b>			▲554-101-316	4	Special Orders
554-101-005	3	Business Services Design Engineering — Traffic Measurements	<b>Task Oriented Practices — DIMENSION 400 PBX</b>		
554-101-006	2	Business Services Traffic Engineering — Dial PBX Systems — Electronic	▲554-101-350	8	Installation and Test
554-101-100	12	DIMENSION 400 PBX — System Description	▲554-101-352	8	Feature Translations
554-101-101	8	DIMENSION 400 PBX — Preinstallation and Planning Information	▲554-101-354	8	Trouble Analysis
554-101-102	9	DIMENSION 100 PBX — System Description	▲554-101-356	8	Special Orders
Addendum	1		<b>554-102 Dimension® Prelude® PBX</b>		
554-101-103	4	DIMENSION 100 PBX — Preinstallation and Planning Information	554-102-100	4	System Description and Planning Information
554-101-105	2	General Software Description and Call Processing — Maintenance Support Information	554-102-108	1	Central Processor — Maintenance Support Information
554-101-106	3	Scanner/Distributor and Network Control — Maintenance Support Information	554-102-109	1	Input/Output and Auxiliary Interface Circuits — Maintenance Support Information
554-101-107	3	PAM Network and Port Circuits — Maintenance Support Information	554-102-115	1	X-Ray Program Package — Operating Procedure
554-101-108	4	Central Processor — Maintenance Support Information	554-102-330	6	Installation and Test
554-101-115	9	X-Ray Program Package Operating Procedure for Remote Maintenance, Administration, and Traffic System 1 (RMATS-1), Customer Administration Center System (CACCS)	554-102-332	6	Feature Translations
			<b>554-105 Dimension 400E/600/600SN</b>		
			554-105-100	9	System Description and Planning Information
			554-105-101	5	Preinstallation and Planning Information
			554-105-106	2	Scanner/Distributor and Network Control — Maintenance Support Information
			554-105-107	2	PAM Network and Port Circuits — Maintenance Support Information
			554-105-108	2	Central Processor — Maintenance Support Information
			554-105-320	7	Installation
			554-105-322	7	Feature Translations
			554-105-324	7	Trouble Analysis — Alarm Indicators
			554-105-325	7	Trouble Analysis — Basic Call Types and Features
			554-105-326	7	Tests

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		554-111-115IS	4	X-Ray Program Package — Operating Procedure — DIMENSION 400E, 600, 2000, and Custom PBX
554-106-100	2	Energy Communications Service Adjunct — Preinstallation and Planning Information and System Description			
554-106-101	2	Energy Communications Service Adjunct — Preinstallation and Planning Information and System Description	<b>Task Oriented Practices — DIMENSION 2000 and Custom PBX</b>		
554-106-115	1	X-Ray Program Package — Operating Procedure — Energy Communications Service Adjunct (ECSA)	▲554-111-302	11	Feature Translations
554-106-300	3	Energy Communications Service Adjunct (ECSA)	554-111-304	11	Trouble Analysis — Alarm Indicators
554-106-301	1	Master Remote Unit (MRU) for Energy Communications Service Adjunct (ECSA)	■▲554-111-305	11	DIMENSION 2000 and Customer PBX Basic Call Types Features
			▲554-111-306	11	Customer PBX Tests
					<b>Business Services Design Engineering DIMENSION 600/2000 CUSTOM PBX</b>
<b>554-111 Dimension 2000 and Custom PBX</b>			554-111-605	1	Basic Traffic Data and Trunk Summary
■ 554-111-001	1	Business Services Engineering — General Description and Service Features	Addendum	1	
■ 554-111-002	1	Business Services Engineering — Basic Equipment	554-111-610	1	Originating Register Record/Touch-Tone Dialing Receiver/Touch-Tone Dialing Sender Engineering
■ 554-111-003	1	Business Services Engineering — Attendant Facilities	554-111-615	2	Time-Division Network Engineering
■ 554-111-004	1	Business Services Engineering — System Operation	554-111-620	1	Station Message Detail Recording Engineering
■ 554-111-005	2	Traffic Measurements — Feature Package- 7 — Business Services Traffic Engineering — Dial PBX Systems — Electronic	554-111-625	1	Electronic Custom Telephone Service Engineering
■ 554-111-006	1	Business Services Engineering	554-111-630	3	Processor Community Engineering
■ 554-111-100	11	System Description and Planning Information	554-111-635	1	Centralized Attendant Service, Direct Department Calling, Uniform Call Distribution, and Attendant Position Engineering Requirements
554-111-101	7	Preinstallation and Planning Information	554-111-636	1	Automated Call Distribution and Enhanced Uniform Call Distribution Engineering
■ 554-111-105	1	General Software Description and Call Processing Maintenance — Support Information	554-111-645	2	Business Services Design Engineering — Distributed Communications System Engineering
554-111-106	2	Scanner/Distributor and Network Control — Maintenance Support Information	Addendum	1	
554-111-107	2	Pam Network and Port Circuits — Maintenance Support Information	554-111-650	5	Design Engineering Worksheets
554-111-108	3	Central Processor — Maintenance Support Information	554-111-660	2	Traffic Measurements
			554-111-661	1	Feature Package 8 Issue 3 — Traffic Data Analysis
			554-111-670	1	Average Characteristic Evaluation (ACE) Method

Number	Issue	Subject	Number	Issue	Subject
<b>554-191 Dimension PBX Feature Documents</b>			554-191-126	5	Call Forwarding — All Calls, Call Forwarding — All Calls — Remote — Call Forwarding — Busy and Don't Answer, and Call Forwarding — Don't Answer — Features
554-191-100 IS	10	Reference Guide	554-191-127	3	Hold, I-Hold, Priority Hold, and Exclusive Hold Feature
554-191-105	2	Interaction Cross-Reference	554-191-128	3	Call Hold Feature
554-191-110	3	Alphanumeric Display for Attendant Position, Incoming Call Identification, Calling Number Display to Attendant, and Class-of-Service Display to Attendant	Addendum	3	
Addendum	1		554-191-129	1	Energy Communications Service
554-191-111	3	Attendant Conference, Meet-Me Conference and Six-Way Station Conference	554-191-130	3	Call Pickup — Feature
Addendum	1		Addendum	1	
554-191-112	6	Attendant Console and Switched Loop Operation — Features	554-191-131	2	I-Use Indication, Line Status Indication, and Station Busy Indication Features
Addendum	1		Addendum	1	
554-191-113	3	Interposition Calling and Transfer — Feature	554-191-132	4	Attendant Call Waiting, Originating Call Waiting, and Terminating Call Waiting Features
554-191-114	3	Attendant Control of Trunk Group Access (ACTGA) — Feature	554-191-133	2	Calling Number Display to Station Feature
554-191-115	3	Attendant Direct Station Selection With Busy Lamp Field and Busy Lamp Field Features	554-191-135	3	Code Calling Access Feature
554-191-116	1	Attendant Lockout and Privacy Lockout Features	554-191-136	6	Centralized Attendant Service With Separate Attendant Concentrator
554-191-117	1	Attendant Transfer — All Calls	Addendum	2	
554-191-118	5	PBX Line Access and Personal Central Office Line Features	554-191-137	3	Code Restriction and Toll Restriction
554-191-119	4	Automatic Callback — Calling and Automatic Callback — Busy and Don't Answer — Feature	Addendum	2	
554-191-120	2	Controlled Restriction — Features for Feature Package No. 9	554-191-138	3	Controlled Restriction Features (Except for Feature Package 9)
Addendum IS	1		554-191-139	1	Data Verification By Station (DVS) — Feature
■ 554-191-121 IS	2	Enhanced Uniform Call Distribution	Addendum	1	
554-191-122	4	Automatic Identified Outward Dialing (AIOD) Feature	554-191-140	2	Line Ringing, Common Audible Ringing, Abbreviated and Delayed Ringing, Ringing Transfer, and Station Ringer Cutoff
Addendum	1		554-191-141	2	Bridged Call Feature
554-191-123	3	Centralized Attendant Service With Combined PBX/Attendant Concentration Feature	554-191-142	2	Reserve Power Feature
554-191-124	2	Busy Verification of Station Lines Feature	554-191-143	1	Voice Store and Forward Interface
554-191-125	3	Automatic Route Selection — Feature	554-191-145	2	Dial Access to Attendant Feature
			554-191-146	3	Automatic Intercom, Dial Intercom, Manual Intercom, and Manual Signaling Features
			554-191-147	2	Direct Inward Dialing (DID)

Number	Issue	Subject	Number	Issue	Subject
554-191-149	3	Direct Outward Dialing Feature	554-191-171	1	Inward Restriction Feature
554-191-150	2	Direct Trunk Group Selection Feature	554-191-172	5	Customer Administration Panel (CAP) for DIMENSION 400E, 600, 2000, and Custom PBX — Feature
554-191-151	3	Distinctive Ringing Feature	554-191-173	1	Line Lookout With Warning Feature
554-191-152	3	Foreign Exchange (FX) — Central Office (CO) — Access Feature	554-191-174	3	Message Waiting
554-191-153	2	Listed Directory Number (LDN) Service and Multiple Listed Directory Numbers Features	554-191-175	3	Manual Originating Line Service Feature
554-191-154	3	Custom Intercom Feature	554-191-176	1	Manual Terminating Line — Service Feature
554-191-155	3	Executive Override Feature	Addendum	1	
554-191-156	2	Flexible Numbering of Stations Feature	554-191-177	2	Radio Paging Access Feature
554-191-157	5	Flexible Numbering of Stations — Mixed Numbering and Single-Digit Dialing	554-191-178	2	Miscellaneous Trunk Restriction
Addendum	1		554-191-179	3	Music-on-Hold and Music-on-Hold Access Features
554-191-158	1	Fully Restricted Station Feature	554-191-180	1	Night Console Position Feature
554-191-159	5	Facilities Administration and Control, Facilities Assurance Reports, Traffic Data to Customer, and Station Rearrangement and Change Features	554-191-181	3	Night Station Service — Fixed Service — Night Station Service — Full-Service, and Night Station Service — Automatic—Features
Addendum	1		Addendum	1	
554-191-160	2	Hot Line Service Feature	554-191-182	6	Uniform Call Distribution (UCD) and Direct Department Calling (DDC)
Addendum	1		554-191-183	2	Origination Restriction
554-191-161	2	Idle Line Preference, Prime Line Preference, Last Line Preference, No Line Preference, Preselection, Incoming Call Preference, and Ringing Line Preference Features	554-191-184	2	Off-Premises Stations
Addendum	1		554-191-185	3	3A Code Call Access — Feature
554-191-162	2	Manual Exclusion Feature	554-191-186	4	Outgoing Trunk Queuing
554-191-163	2	Intercept Treatment Feature	554-191-187	1	Outward Restriction Feature
554-191-164 IS	4	Deluxe Queuing — (Outgoing Trunk Queuing)	Addendum	1	
Addendum	3		554-191-188	3	Data Privacy and Data Restriction Features
554-191-166	2	Call Park	554-191-189	4	Automatic Wakeup Service Feature
Addendum	2		Addendum	1	
554-191-167	3	Trunk Verification By Station	554-191-190	3	Loudspeaker Paging
Addendum	1		554-191-191	3	Power Failure Transfer Feature
554-191-168	2	Station Message Waiting Feature	554-191-192	3	Split Access to Outgoing Trunks Feature
554-191-169	5	Customer Administration Center System Feature	554-191-193	2	Recall Dial Tone and Recall Button Features
Addendum	1		554-191-194	2	Recorded Telephone Dictation — Access Feature
554-191-170	1	Visually Impaired Attendant Service Feature	Addendum	1	
			554-191-195	3	Remote Access to PBX Services — Feature for Feature Package 2

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		554-191-221	2	Interface for Long Distance Billing Feature
554-191-196	2	Main/Satellite Indialing Thru Main Inter- PBX Call Transfer — Inter-PBX Coordinated Station Numbering Features	554-191-222	3	Journal Printers Feature
554-191-197	2	Rotary Dial Calling Feature	Addendum	1	
554-191-198	2	Route Advance Feature	554-191-223	1	Trunk Answer From Any Station Feature
554-191-200	2	Two-Party Hold on Console and Serial Call Features	554-191-225	2	Trunk Group Busy Indicators on Attendant Position and Trunk Group Warning Indicators on Attendant Position Features
Addendum	1		554-191-226	5	Automatic Route Selection — Deluxe and 10-Digit Conversion
554-191-201	4	Speed Calling	554-191-227	3	Trunk-to-Trunk Connections
554-191-202	3	Automatic Station Restriction	554-191-228	4	Trunk Verification by Customer Feature
554-191-203	1	One-Way Auto/Manual Splitting	554-191-229	3	Authorization Code Feature
554-191-204	5	Remote Access to PBX Services Feature for Feature Package 8	554-191-230	1	Local Call Billing
554-191-205	3	Station Hunting — Circular Hunting — Station Hunting — Terminal Hunting — Features	554-191-231	2	Timed Recall on Outgoing Calls
554-191-206	4	Station Message Register Service Feature	554-191-232	3	Wide Area Telecommunications Service (WATS) Access — Feature
554-191-207	4	Hotel/Motel Console/Terminal Feature	554-191-233	2	Wide Frequency Tolerant Power Plant
554-191-208 IS	8	Station Message Detail Recording	554-191-234	1	Hotel/Motel Console/Terminal — DIMENSION PRELUDE PBX
554-191-209	2	Station-to-Station Calling Feature	554-191-235	1	Automatic Wakeup Service
554-191-210	1	Straightforward Outward Completion Feature	554-191-235 IS	2	Automatic Wakeup Service
554-191-212	1	Tie Trunk Access and Tandem Tie Trunk Switching Features	554-191-236	1	Room Status and Selection — DIMENSION PRELUDE PBX
Addendum	1		554-191-237	4	Off-Premises Station With Call Control Feature
554-191-213	2	Termination Restriction — Feature	Addendum	1	
Addendum	1		554-191-238	3	Communication Interface for Property Management Systems — Feature
554-191-214	2	Through Dialing Feature	554-191-239	2	Interface to Network Control Office Support System and Centralized Station Message Detail Recording — Local Storage Unit Feature
Addendum	1		554-191-240	3	Facilities Restriction Level and Traveling Class Mark — Features
554-191-215	2	Timed Reminder Feature	554-191-241	3	Touch-Tone Senderized Operation Feature
Addendum	1		Addendum	1	
554-191-216	2	Threeway Conference Transfer Feature	554-191-242	6	Uniform Numbering Plan, Automatic Alternate Routing, and Automatic Overflow to Direct Distance Dialing
554-191-217	3	Local Call Billing Feature			
554-191-218	2	Room Status and Selection Feature			
554-191-219	2	Toll Terminal Access and Toll Terminal Access With Rering From Toll — Feature			
554-191-220	3	Touch-Tone Calling and Touch-Tone to Dial Pulse Conversion Features			

Number	Issue	Subject	Number	Issue	Subject
554-191-243	4	Automatic Circuit Assurance — Feature	554-191-272	1	Message Center
554-191-244	2	Last Extension Called Feature	554-191-273	1	Directory
554-191-245	2	Station Direct Station Selection (DSS) Feature	Addendum	1	
Addendum	1		554-191-274	1	Call Coverage
554-191-246	3	Data Communications Access Feature	554-191-275 IS	2	Leave Word Calling
554-191-247	2	Advanced Private Line Termination (APLT)	554-191-276	1	Automatic Message Waiting
Addendum	1		554-191-278	1	Data Switching — Level I
554-191-249	1	Extended Memory Holdover	554-191-279	1	Data Switching — Level II
554-191-250	1	Time-of-Day Synchronization Feature	554-191-286 IS	2	Distributed Communications System
554-191-251	4	Uninterruptible Power Service Feature	554-191-288	1	Dimension Feature Package 8 Issue 3.9 Change Description
554-191-252	1	Bed Status and Selection Feature			
Addendum	2				
554-191-253	1	Hospital Console/Terminal — Feature			
554-191-254	2	Emergency Access to Attendant Feature			
554-191-257	3	Customer Administration Panel (CAP) — Feature — 100/400 PRELUDE® PBX			
554-191-258	2	Force Administration Data System (FADS) — Feature			
554-191-259	1	Attendant Release Loop Feature			
554-191-260	1	Trunk Identification by Attendant			
Addendum	1				
554-191-261	1	Station Number Steering Feature			
Addendum	1				
554-191-262	2	Energy Communications Service Adjunct (ECSA)			
554-191-263	1	Energy Communications Service — Feature—Feature Package II			
554-191-264 IS	2	Automatic Call Distribution			
554-191-265	1	Malicious Call Tracing — Feature			
554-191-266	1	Attendant Flash Over Trunks — Feature			
554-191-267	1	Memory Holdover — Feature			
554-191-268	1	Automatic Attendant Access — Feature			
554-191-269	1	Off-Hook Trunk Queuing			
554-191-270	1	Priority Queuing			
554-191-271	1	Splitting — Two-Way Manual			

**Division 555****Business Communications Systems *DEFINITY*<sup>®</sup> Communications Systems, Systems 25, 75, 85, Merlin Legend<sup>®</sup> and Common Systems, Information Systems Network, And Premises Distribution System****555-0 Common Systems**

- 000 Index and General Information
- 005 TELESEER<sup>®</sup> Hospitality II System
- 006 Call Accounting/Recording Systems
- 007 AT&T FAX Attendant System<sup>®</sup>
- 015 *DEFINITY*<sup>®</sup> Communications System, System 75 and System 85 Terminals and Adjuncts
- 016 PC/PBX (Personal Computer/PBX)
- 017 3B2 System
- 020 Data Modules
- 021 ISDN (Integrated Services Digital Network) Terminal Equipment
- 025 System 75 and System 85 Network and Data Services
- 027 Group Video and Multipoint Control Unit
- 030 3270 Data Modules
- 035 Implementation Guidelines for Communications System
- 045 Universal Turret/Universal Turret "Plus"

**555-1 System 85 and *DEFINITY*<sup>®</sup> Communications System Generic 2**

- 101 Release 2 Versions 1 and 2
- 102 Release 2 Versions 1, 2, and 3
- 103 Release 2 Versions 1, 2, 3, and 4
- 104 *DEFINITY*<sup>®</sup> Generic 2 Communication System and System 85
- 105 *DEFINITY*<sup>®</sup> Generic 2 Communication System
- 109 Application Notes and Newsletter

**555-2 System 75 and *DEFINITY*<sup>®</sup> Communications System Generic 1**

- 200 Release 1 — General Information
- 201 System 75XE
- 204 *DEFINITY*<sup>®</sup> Communications System Generic 1
- 209 Application Notes - Newsletters

**-230 *DEFINITY*<sup>®</sup> Communications System Generic 3****555-3 ISN (Information Systems Network)****555-4 Premises Distribution System**

- 400 Introduction/Applications
- 401 Data Unit/Adapters

**555-5 System 25**

- 500 Introductory Information
- 509 Application Notes
- 520 System 25 R1V2
- 530 System 25 R2V1
- 532 System 25 CMS
- 540 System 25 R3

**555-6 MERLIN LEGEND<sup>®</sup>**

- 610 MERLIN LEGEND<sup>®</sup> R1.0/1.1
- 611 MERLIN LEGEND<sup>®</sup> R1.2i (International)
- 612 MERLIN LEGEND<sup>®</sup> R1.3i (International)
- 620 MERLIN LEGEND<sup>®</sup> R2.0

Number	Issue	Subject
<b>555-0 Common Systems</b>		
<b>555-000 Index and General Information</b>		
555-000-000	33	Numerical Index — Division 555 — Business Communications Systems — Customer Switching and Networking Systems — System 25, 75, 85, Common Systems, Information — Systems Network, and Premises Distribution System (5-95)
555-000-010	8	Business Communications Systems — Publications Catalog
555-000-050	1	Business Communications System — Documentation Guideline
555-000-090	1	Business Communications Application Kit
555-000-091	1	Business Communications Lien Waiver Kit
<b>555-005 TELESEER<sup>®</sup> Hospitality II System</b>		
555-005-100	1	Installation and Service Guide
555-005-400	1	Operations Manual

Number	Issue	Subject	Number	Issue	Subject
<b>555-006 Call Accounting/Recording Systems</b>			555-006-520	1	Call Accounting System (CAS) Plus V3 Administration and Operations
555-006-001	1	Cost Allocation — Introduction Guide	555-006-521	1	CAS for Windows Administration and Operation Guide
555-006-101	1	CDRU Installation — Quick Reference	555-006-602	2	Call Detail Acquisition Product — Planning and Implementation
555-006-102	1	CDRP Installation — Quick Reference	555-006-701	1	Station Message — Detail Recording (SMDR)
555-006-103	1	Cost Allocator Installation and Maintenance	555-006-702	1	CAS Windows Hacker Tracker
555-006-110	1	Call Detail Recording Utility	555-006-703	1	CAS Windows Demo Kit (Floppy Disk)
555-006-111	1	Cost Allocator V2 Install and Verification	555-006-704	1	Pollable Storage Unit
555-006-115	1	Call Accounting System Plus V3 Installation	<b>555-007 AT&amp;T FAX Attendant System™ (for Software Release 2.1.1)</b>		
555-006-201	2	Call Accounting System — Reference Manual	555-007-100	1	System Manager's Guide
555-006-202	2	Call Detail Recording — Reference Manual (2-7-92)	555-007-101	1	Planning Guide
555-006-210	2	Call Detail Recording Utility System Description	555-007-102	1	User's Guide
Addendum	1		555-007-103	1	Installation and Maintenance
555-006-211	1	Call Detail Recording Utility	555-007-104	1	FAX Attendant System Planning R2.1.1 Forms
555-006-212	1	Call Detail Recording Utility — Small User Guide	555-007-200	1	FAX Attendant System 25 Switch Notes
Addendum	1		555-007-201	1	System 75 Switch Notes
555-006-213	1	Call Detail Record Poller	555-007-202	1	System 85 Switch Notes
555-006-224	1	Cost Allocator V2	<b>555-015 DEFINITY®, System 75 and System 85 Terminals and Adjuncts</b>		
555-006-501	1	Cost Allocator Administration and Operation	555-015-030	2	MSP-1 Power Supply Installation Instruction Manual (CIB)
555-006-502	1	Cost Allocator Administration Quick Reference	■ 555-015-031	1	PBX Systems 1145A1 Power Arrangement
555-006-503	1	Cost Allocator Enhanced Reporting Module	555-015-102	2	7410D Voice Terminal — Installation Instructions
555-006-506	1	Cost Allocator V2 Administration and Operations and Maintenance	555-015-103	2	7434D Voice Terminal Installation Instructions Installation and Test
555-006-508	1	Cost Allocator V2 Enhanced Report Module	555-015-105	1	2500 Tel. Set — Installation Instructions
555-006-509	1	Cost Allocator V2 Integrated Poller Module	555-015-116	1	S202A Speakerphone Installation and Instruction and User Guide (4/89)
555-006-510	1	Cost Allocator V2 Rating I Module Enhanced	555-015-117	1	Safety Instructions — All Line-Powered Telephones
555-006-511	1	Cost Allocator V2 Rating II Module Enhanced	555-015-119	1	5201A Speakerphone — Installation Wiring
555-006-512	1	Cost Allocator V2 Charge-Back Module Enhanced			
555-006-516	1	CAS for Windows Installation Guide			



Number	Issue	Subject	Number	Issue	Subject
555-015-120	2	S203 Speakerphone Installation and User Guide (4/90)	555-015-904	1	FAX 3510D Audio Cassette
555-015-121	1	507 Adapter Instruction for Installation and General Use (4-91)	555-015-905	1	FAX 3510D Video Tape
555-015-122	1	7406 B15 Wall Kit — Installation Instructions	<b>555-016 PC/PBX (Personal Computer/PBX)</b>		
555-015-131	2	8102 and 8110 Telephones \m User's Manual	555-016-101	4	PC/PBX Platform — Installation and Reference
555-015-134	1	QUORUM® CS201A Speakerphone User's Guide	555-016-102	3	PC/ISDN Platform Installation Addendum
555-015-140	1	7402 Plus Voice Terminal — Installation Instructions	555-016-103	1	PC/ISDN Interface Software
555-015-150	1	3530D FAX Installation, Maintenance, and Testing Manual	555-016-201	1	Connection R3 — Installation and Maintenance
555-015-151	1	FAX 3500D/3520D Installation and Maintenance	555-016-709	1	7401D Telephone PC/PBX Connection
555-015-152	1	FAX 3500D/3520D Field	555-016-711	1	PC6300 — Quick Guide
555-015-160	1	DEFINITY CALLMASTER® II — Voice Terminal User and Installation Instructions	555-016-713	1	Asynchronous Terminal Emulation — Quick Guide
555-015-161	2	DEFINITY CALLMASTER II Instructions for Programming	555-016-715	1	Connection Release 3.0 Set Package
555-015-164	2	8403, 8410, and 8434 Voice Terminal Installation Instruction (for install, switch administration, and program options)	555-016-720	1	AT&T PC/PBX with Fast Call User's Guide
555-015-168	1	DEFINITY CALLMASTER® II & III — Voice Terminal User and Installation Instructions (8-94)	555-016-761	1	Office-By-Touch — Electronic Document Communications — User's Guide
555-015-169	1	DEFINITY CALLMASTER® II & III — Voice Terminal Instructions for Programming Options (8-94)	<b>555-017 3B2 System</b>		
555-015-176	1	5202A Speakerphone Installation — Instructions and User's Guide	555-017-101	2	DCP — Installation and Administration
555-015-201	6	DEFINITY Communications System and System 75, System 75XE, and System 85 — Terminals and Adjuncts — Reference Manual	<b>555-020 Data Modules</b>		
555-015-711	1	7404D Voice Terminal — User's Manual	555-020-101	1	Installing the 7400A or Z7500A Data Module in a Z77A Data Mounting — Instructions
555-015-712	2	7404D Messaging Cartridge — User's Manual	555-020-706	2	7400A Data Module — User's Manual
555-015-716	4	CALLMASTER Digital Voice Terminal — User's Guide	Addendum	2	
555-015-724	1	8403/10/34/34DX Installation	555-020-707	1	7400B — User's Guide
555-015-750	1	3530D FAX — User's Guide	Addendum	1	
555-015-780	1	QUORUM Conference Room System II — User's Guide	555-020-708	2	7400A Data Module — Modem Pool — Installation Guide
			555-020-711	1	Definity® High Speed Link User Manual (3-27-92)
			<b>555-021 ISDN (Integrated Services Digital Network) Terminal Equipment</b>		
			555-021-101	3	Terminal Installation and Test

Number	Issue	Subject	Number	Issue	Subject
555-021-102	1	Installing the 7500A or Z7500A Data Module in a (Z)77A Data Mounting	■ Addendum	9/91	
555-021-103	2	D-Kit for EPROM Replacement, 7505, 7506, and 7507 Terminals — Installation Instructions	555-021-723	1	7A Direct Interface Unit for OSPS Applications
Addendum	1		555-021-724	1	9A Direct Intelligent Interface 2 (DII2) — User Guide
555-021-501	1	ISDN 7506/7507 CPE Terminal Administration Guide for Standard ISDN-1	555-021-728	1	ISDN 8503T Voice Terminal Feature Package 3 — Users Manual
555-021-702	1	7507 Display Terminal — User's Manual	555-021-729	1	SDN Administration FP3 User's Manual (2-21-92)
555-021-703	2	7500 Data Module — User's Manual	555-021-730	2	ISDN 8500 Series Display Terminal User Manual
555-021-704	1	7514 Voice and Data Terminal — User's Manual	555-021-731	1	ISDN 7505 Modular Terminal and ISDN 7506 Display Terminal — User's Manual (6-92)
555-021-705	1	6504 Key Telephone — User's Manual	555-021-732	1	ISDN 7507 Display Terminal User's Manual FP3
555-021-706	1	6508 Key Telephone — User's Manual	555-021-733	1	Integrated Services Attendant Console Model 311A User Guide (6-92)
555-021-707	1	Asynchronous Data Module for 7505/7506/7507 — Quick Reference Guide	555-021-734	1	National Integrated Services Digital Network (ISDN-2) 7506/7507 User's Manual With Standard ISDN-1 (1-93)
555-021-708	2	Asynchronous Data Module for 7505/7506/7507 Voice Terminals — User's Manual	555-021-735	1	ISDN 8510T Voice Terminal Soft Keys — Quick Reference Guide
555-021-709	1	Using the Display on Your 7500 Data Module	555-021-736	1	ISDN 8510T Voice Terminal Feature Package 3 — User's Manual (1-93)
555-021-710	2	310A1-A Attendant Console — User's Manual	555-021-740	1	PACKIT/6 ISDN PAD User's Guide
555-021-711	2	6504A/T — User's Manual	555-021-744	1	PACKIT/6 ISDN PAD Feature Release 2 Quick Reference Guide
555-021-712	2	ISDN 6508 Display Terminal — User's Manual	555-021-746	2	PACKIT/6 & PACKIT/30 ISDN PAD Feature Release 3 — Installation, Administration, and Maintenance
555-021-714	2	7505/7506 Voice Terminal User's Guide	555-021-747	1	PACKIT/6 & PACKIT/30 ISDN PAD Feature Release 3 — User's Guide Guide
555-021-715	1	7507D Voice Terminal — User's Guide	555-021-750	1	7500 Series Voice Terminal — Installation (BCS/ET Course #VT800)
555-021-716	1	7505/7506/7507 — FP2 Asynchronous Data Module — User's Manual	555-021-751	1	7500 Series Voice Terminal - Maintenance (BCS/ET Course VT801)
Addendum	1		555-021-758	1	ISDN 8520T Voice/Data Terminal FP3 User Manual
555-021-717	1	ISDN 7500B Data Module — User's Manual			
555-021-718	1	7505/7506/7507 Asynchronous Data Module Feature Package 2 — Quick Reference Guide			
555-021-719	1	ISDN 7500B Data Module — Quick Reference Guide			
555-021-720	6/88	7A Direct Interface Unit — User's Manual			

Number	Issue	Subject	Number	Issue	Subject
555-021-759	1	ISDN 10 Voice Terminal FP3 User Guide	Addendum	2	
555-021-760	3	AT&T ExpressRoute Digital Adapter 1000/2000 Feature Release 6.0 Technical Reference	555-025-901	2	Connectivity Certification — Multivendor Configuration (Binder)
555-021-762	1	AT&T ExpressRoute Digital Adapter 1000/2000 Feature Release 6.0 User's Guide	<b>555-027 Group Video and Multipoint Control Unit</b>		
555-021-775	1	ISDN 10 Voice Terminal Installation Guide	555-027-711	1	Group Video Installation and Test
<b>555-025 System 75 and System 85 Network and Data Services</b>			555-027-712	1	Group Video Maintenance
Addendum	1		555-027-713	1	Group Video User's Manual
555-025-101	4	DEFINITY Communications System and System 75 and System 85 — DSI/DMT/ISDN-PRI Reference	555-027-714	1	Group Video Quick Reference
555-025-102	1	DEFINITY ISDN Basic Rate Interface— Technical Reference	555-027-721	3	Multipoint Control Unit System Description
555-025-103	1	DEFINITY Communications System DS1/CEPT1/ISDN PRI Reference	555-027-725	3	Multipoint Control Unit Reservations Agent Manual
555-025-107	1	DEFINITY G2.2 and 3V2 DS1/CEPT1/ISDN PRI Reference	555-027-727	3	Multipoint Control Unit System Administration and Reports
555-025-201	4	AT&T Network and Data Connectivity	<b>555-030 3270 Data Modules</b>		
Addendum	2		Addendum	1	
555-025-203	1	Adjunct/Switch Application	555-030-701	1	3270 Data Module — User's Manual
555-025-204	3.2	DMI Specification Issue 3.2	Addendum	1	
555-025-205	1	System 75 and System 85 Application Notes — Trunk Signaling and Transmission	555-030-702	1	3270A Data Module — User's Guide
Addendum	1		Addendum	1	
555-025-301	1	Network Connectivity — The Integration of Voice and Data	555-030-703	1	3270T Data Module — User's Guide
555-025-400	2	Remote Port Security Device — User's Manual	Addendum	1	
555-025-600	3	BCS Products Security Handbook	555-030-704	1	3270 Data Module — User's Manual
555-025-601	2	BCS Products Security Kit	Addendum	1	
555-025-704	2	AT&T System 25, System 75, and DIMENSION® PBX 400/600/2000 — AUTOVON Operations	555-030-705	1	3270T Data Module
			555-030-706	2	ISDN 7506 Integrated Data Module — Reference Manual
			555-030-707	2	ISDN 3270 Coax Data Module — Reference Manual
			555-030-708	2	ISDN 3270 Integrated Data Module — Quick Reference Card
			555-030-709	2	ISDN 3270 Coax Data Module — Quick Reference Card
			555-030-710	2	ISDN 3270 CDM/7506 IDM ASCII Emulation Keyboard Mapping — User Card

Number	Issue	Subject	Number	Issue	Subject
<b>555-035 Implementation Guidelines for Communications System</b>			555-035-807	1	DEFINITY Communications System — Generic 2 and System 85 — Call Vectoring— Application Notes
555-035-010	1	DEFINITY Communications System Overview — Course #VT700	555-035-808	1	DEFINITY Communications System and System 75 and System 85 — Call Centers— Application Notes
Addendum	1		555-035-809	1	DEFINITY Communications System and System 75 and System 85 — Used as a D4/MUX or ISDN Controller— Application Notes
555-035-100	1	System Installation Quality Guide	555-035-810	1	DEFINITY World Class Routing— Application Notes
555-035-105	1	System 75 XE Upgrade to DEFINITY Generic 2 (Video)	555-037-202	1	System 85 R2V4 DSI Port to 4ESS™ With ACCUNET® Switched 56 Service
555-035-202	1	Cross-Product Applications — System 75/System 85, and ISN Applications Guide	555-037-203	1	System 85 R2V4 to 4ESS™ With MEGACOM® & MEGACOM 800
555-035-203	2	AT&T 7400B Data Module — PC Applications Guide	555-037-204	1	System 75 R1V3 to 4ESS With ACUNET Switched 56 Service
555-035-301	4	Enhanced Power System Product Manual	555-037-205	1	System 75 R1V3 to 4ESS With MEGACOM® & MEGACOM 800 Service
555-035-501	3	DEFINITY Communications System and System 85 HOME AGENT Application, Installation, and Operation	555-037-206	1	System 85 R2V4 to System 75 R1V3 Via DSI Tie Trunk
555-035-705	3	DEFINITY Communications System and System 85 HOME AGENT Application — Home Agent's Instructions	555-037-207	1	System 75 Data Line DLC to ISN AIM
555-035-706	3	DEFINITY 85 HOME AGENT Summary of Commands	555-037-208	1	System 85 R2V3 & R2V4 to 3B2 With 3B2 CMS
555-035-751	3	DEFINITY Communications System and System 85 HOME AGENT Application — Trainer's/Supervisor's Guide	555-037-209	1	System 75 to 3B2/600 With CSM V4
555-035-801	1	DEFINITY Communications System and System 75/85 — Facsimile Applications — Application Notes	555-037-210	1	System 85 to AUDIX®
555-035-802	1	DEFINITY System 85 Call-By-Call Service Selection Application Notes	555-037-211	1	System 75 R1V3 to 3B2 With 3B CMS
555-035-803	1	DEFINITY Communications System and System 75/85 — Hands-Free Applications — Application Notes	555-037-212	1	System 75 to 3B2/600 With CMS
555-035-804	1	DEFINITY Communications System — Video Teleconferencing — Application Notes	555-037-213	1	System 75 to AUDIX
555-035-805	1	DEFINITY Communications System — ISDN-PRI — Application Notes	555-037-214	1	System 85 R2V4 to 740 Multiplexer
555-035-806	2	DEFINITY Communications System and System 85 — MPDM V.35 Bit-Inversion Cable — Application Notes	555-037-215	1	System 85 R2V4 to 551 CSU
			555-037-216	1	System 85 R2V4 to DR34N Microwave
			555-037-217	1	System 75 RN3 to 740 Multiplexer
			555-037-218	1	System 75 R1V3 to 551 CSU
			555-037-219	1	System 75 R1V3 to DR23 Microwave
			555-037-220	1	ISN Fiber Interface Module to ISN FIM

Number	Issue	Subject	Number	Issue	Subject
555-037-221	1	ISN Trunk Interface Module to ISN TIM	<b>555-1 System 85 and DEFINITY Generic 2 Communication System</b>		
555-037-222	1	3B2/600 to 94A LSU With CSM V4	<b>555-101 Release 2 Versions 1 and 2</b>		
555-037-223	1	3B2/600 to 93B Poller CMDR With CSM V4	■ 555-100-130	1	Roadrunner Source Book — System 85 Note: Replaced by 555-230-130
555-037-224	1	3B2 to Printers and Terminal with CSM R1V2, V4	555-101-107	3	Versions 1 and 2 — Feature Translations — Service Manual
555-037-225	1	551 CSU to Local Exchange T1 Facility	Addendum	1	
555-037-226	1	DPII 740/741 ACCULINK® Multiplexer to DATAPHONE® II	555-101-108	2	Versions 1 and 2 — Maintenance — Service Manual
555-037-227	1	DPII 740/741 Multiplexer to DPII 740/741 Multiplexer	555-101-114	2	Version 2 — X-Ray Tests — Service Manual
555-037-228	1	DPII 740/741 Multiplexer to DATAPHONE II 745 Multiplexer	555-101-411	1.7	Change Description R2V2 1.1
555-037-229	1	DPII 740/741 ACCULINK® Multiplexer to D4 Channel Bank	555-101-413	1.3	Change Description R2V2 1.3
555-037-230	1	DPII 741 Multiplexer to DPII 2656 DSU	555-101-414	1.4	Change Description R2V2 1.4
555-037-231	1	DPII 745 Multiplexer to DPII 745 Multiplexer	555-101-415	1.5	Change Description R2V2 1.5
555-037-232	1	System 85 R2V4 to 4ESS Via ISDN Primary Rate Interface (PRI) Access	555-101-417	1	Change Description R2V2 Issue 1.7
555-037-233	1	System 85 R2V4 to DEFINITY Generic 1.1 Via ISDN PRI	555-101-418	1	Change Description R2V2 Issue 1.8
555-037-234	1	DEFINITY Generic 1.1 to 4ESS VIA ISDN PRI Access	<b>555-102 Release 2 Versions 1, 2, and 3</b>		
555-037-235	1	DEFINITY Generic 2 to 4ESS VIA ISDN PRI Access	555-102-105	1	X-Ray Tests — Service Manual — R2V3
555-037-236	1	System 85 R2V4 to ESF T1 CSU	555-102-107	2	Feature Translations — Service Manual — R2V3
555-037-237	1	ESF T1 CSU to T1 Facility	555-102-108	2	Maintenance — Service Manual — R2V3
555-037-238	1	DEFINITY Generic 1 & 2 Product Interfaces REF DCS	555-102-201	1	System Description — Reference Manual
555-037-299	4	DEFINITY Generic 1 & 2 Index Product Interfaces Reference Series	555-102-301	1	Features — Reference Manual
<b>555-045 Universal Turret/Universal Turret "PLUS"</b>			555-102-411	1.1	Change Description (Delta Document) — R2V3 Issue 1.1
555-045-601	1	Turret VX Series — Planning and Configuration Guide	555-102-412	1.2	Change Description R2V2 1.2
Addendum	1		555-102-413	1.3	Change Description R2V3 1.3
555-045-901	1	Turret VX Series — Marketing Guide	555-102-414	1.4	Change Description R2V3 1.4
			555-102-415	1.5	Change Description R2V3 1.5
			555-102-416	1.6	Change Description R2V3 1.6
			555-102-501	1	SMT Administration Management — User's Guide — R2V3
			555-102-502	2	Traffic Data Analysis Guide
			□ Addendum	1	
			□ 555-102-503	1	PBX Traffic Analysis — Trunking Tables NOTE: Replaced by 555-104-503

Number	Issue	Subject	Number	Issue	Subject
555-102-603	1	Equipment Room Floor Plans and Specifications — Planning Manual — R2	<b>555-104 DEFINITY Communications System And System 85 Generic 2.1</b>		
555-102-621	1	System 85 Customer Mechanized Interface Implementation	555-104-010	1	DEFINITY Generic 2 Documentation Guide
555-102-751	1	Feature Facts	555-104-020	1	Introduction to AT&T System 85-R2V5
<b>555-103 Release 2 Versions 1, 2, 3, and 4</b>			■ 555-104-104	3	DEFINITY Generic 2 Installation (2 Vols.)
555-103-021	2	Reliability and Maintenance	555-104-111	2	DEFINITY Generic 2 Upgrades
555-103-102	1	Reliability and Maintenance	555-104-120	1	Electrical Protection, Grounding, and Exposure List
555-103-108	1	Maintenance (R2V4)	555-104-203	1	Pocket Reference
555-103-109	1	System Tests (R2V1 — R2V4)	555-104-411	10/89	DEFINITY Communications Systems — Change Description — Generic 2.1 Issue 1.1 — Incremental Issue
555-103-120	1	Electrical Protection, Grounding, and Exposure Checklist	555-104-412	1/90	DEFINITY Communications Systems — Change Description — Generic 2.1 Issue 1.2 — Incremental Issue
555-103-412	1.2	System 85 Change Description R2V4	● 555-104-420	2.0	DEFINITY Communications System — Change Description — Generic 2.1
555-103-413	10/89	System 85 Change Description R2V4 Issue 1.3	555-104-421	2.1	DEFINITY Communications System — Change Description — Generic 2.1 Issue 2.1
555-103-420	1/90	System 85 Change Description R2V4 Issue 2.0	555-104-430	1	DEFINITY Communications System — Change Description — Generic 2.1 Issue 3.0
555-103-421	2.2	System 85 Change Description R2V4 Issue 2.2 — Incremental Issue	555-104-431	1	DEFINITY Communications System — Change Description — Generic 2.1 Issue 3.01
555-103-501	2	SMT Administration Management (R2V4)	555-104-433	1	DEFINITY Communications System — Change Description — Generic 2.1 Issue 3.03
Addendum	2		555-104-480	2	DEFINITY Communications System — Software Changes — Generic 2.1 Issue 2.0
555-103-502	1	Traffic Data Analysis Guide	555-104-481	1/91	DEFINITY Communications System — Generic 2.1 Issue 3 Letter
555-103-506	2	Administration Procedures (R2V4)	555-104-482	1	DEFINITY Communications System — Generic 2 Issue 2/3 Job Aid
555-103-507	1	System 85 Administration Procedures	555-104-483	1	DEFINITY Communications System — Change Description — Generic 2.2 Issue 2
555-103-508	1	System 85 R2V4N Transition Guide	Addendum	2	
555-103-509	1	System 85 R2V4N Supplement to Administration of Features and Hardware	555-104-502	1	Traffic Analysis Measurements (R2V5)
555-103-521	1	DCIU (Data Communications Interface Unit) — Application Notes			
555-103-522	1	EIA (Electronic Industries Association) EIA Port Administration Notes			
555-103-523	1	CALLMASTER Digital Voice Terminal — Application Notes			
555-103-614	1	Input Guide			
555-103-621	2	Customer Mechanized Interface			
555-103-901	1	Provisioning Manual			
555-103-920	1	Electronic Library Performance Aid			

Number	Issue	Subject	Number	Issue	Subject
555-104-503	1	Traffic Tables	555-104-724	1	DEFINITY SYSTEM 85 7402 + Voice Terminal — User's Guide
555-104-504	1	Traffic Theory	555-104-730	1	Attendant Console — User's Guide
555-104-505	3	DEFINITY Manager II Operation (3-6-92)	555-104-732	1	Voice Terminal Operation
Addendum	1		555-104-740	1	DEFINITY SYSTEM G2 and 85 7401+ Voice Terminal — User's Guide
555-104-506	2	Administration Procedures	555-104-741	1	7406 Plus Voice Terminal — User's Guide
Addendum	1		555-104-742	1	DEFINITY Generic 2 and System 85 7407 Plus Voice Terminal — User Guide
555-104-507	2	DEFINITY Generic 2 Administration of Features and Hardware	555-104-743	1	7410 Plus Voice Terminal — User's Guide
555-104-508	--	Basic Traffic Analysis	555-104-744	1	DEFINITY Communications System Generic 2 and System 85—7444 Voice Terminal User's Guide
555-104-520	1	DEFINITY Generic 2.1 Precedence Calling Autovon Access	555-104-746	1	DEFINITY Generic 2 & 85 8102 & 8110 Telephone User Guide
555-104-535	1	DEFINITY Manager II Command Summary	555-104-748	1	8102 and 8110 Telephone — User's Guide
555-104-536	1	Basic Traffic Analysis	555-104-761	1	DEFINITY G2 and System 85 8403 Voice Terminal User Guide (9-93)
555-104-603	1	Equipment Room Floor Plans and Specifications	555-104-762	1	DEFINITY G2 and System 85 8403 Quick Reference Guide (9-93)
555-104-621	1	Customer Mechanized Interface — User's Guide	555-104-763	1	DEFINITY G2 and System 85 8410 Voice Terminal User Guide (1/94)
555-104-630	2	DEFINITY Generic 2 Wiring	555-104-764	1	DEFINITY G2 and System 85 8410 Voice Terminal Quick Reference Guide (12/93)
555-104-702	2	DEFINITY Generic 2 7406D Voice Terminal — User's Guide	555-104-765	1	DEFINITY G2 and System 85 8434 Voice Terminal User Guide (5/94)
555-104-705	2	DEFINITY Generic 2 7407D Voice Terminal — User's Guide	555-104-766	1	DEFINITY G2 and System 85 8434 Voice Terminal Quick Reference Guide (4/94)
555-104-706	2	DEFINITY Generic 2 2500 Telephone — User's Guide	555-104-767	1	DEFINITY G2 and System 85 8434DX Voice Terminal User Guide
555-104-709	3	7434D Voice Terminal — User's Guide	555-104-768	1	DEFINITY G2 and System 85 8434DX Voice Terminal Quick Reference Guide
555-104-712	1	7401D Voice Terminal — User's Guide			
555-104-715	3	7102A Voice Terminal — User's Guide			
555-104-716	2	7410D Voice Terminal — User's Guide			
555-104-717	2	DEFINITY Generic 2 and 85 YMGK Telephone Set — User's Guide			
555-104-718	1	S201A and S202A Speakerphones — User's Guide			
555-104-719	2	ISDN 7505, 7506, and 7507 Terminal — User's Guide			
555-104-721	2	DEFINITY Generic 2 and System 85 7406 BIS Voice Terminal User Guide (4-90)			
① 555-104-723	1	DEFINITY Communications System Generic 2 and System 85 Enhanced 7407D (7407D02C) — Voice Terminal User's Guide			

Number	Issue	Subject
<b>555-105 DEFINITY Communications System Generic 2.2</b>		
555-105-117	1	DEFINITY G2 Maintenance Procedures
555-105-118	1	DEFINITY G2 Maintenance Repair
555-105-201	1	DEFINITY G2 System Description
Addendum	1	
555-105-301	1	DEFINITY G2 Feature Description
555-105-401	1	DEFINITY G3 V2 Issue 4.5 Change Description
Addendum	1	
555-105-506	1	DEFINITY G2.2 Administration Procedure
Addendum	1	
555-105-507	1	DEFINITY G2 Administration Feature and Hardware
Addendum	1	
555-105-531	1	DEFINITY G2 World Class Routing Implementation
555-105-713	1	DEFINITY G2 System 85 Automatic Call Distribution
555-105-714	1	DEFINITY G2 and 85 ACD Supervisor Instructions

**555-2 System 75, 75XE, and DEFINITY Communications System Generic 1, 2, 3**

**555-200 System 75 Release 1 — General Information**

**Introduction**

555-200-024	2	Introduction to DEFINITY Communications System — Generic 1
555-200-026	1	Introduction to DEFINITY Communications System — Generic 1 — Hospitality Services

**Installation/Test/Maintenance/Source**

Addendum	1	
555-200-104	5	System 75 — Installation and Test — Service Manual, RIV1, 2, 3
555-200-105	5	System 75 — Maintenance Service Manual
555-200-106	5	Service Manual — Upgrades and Additions

Number	Issue	Subject
Addendum	1	
555-200-111	2	75XE Wiring Guide — Service Manual
555-200-112	1	Wiring — Pocket Reference
555-200-120	1	Electrical Protection Grounding, and Exposure Checklist
■ 555-200-130	7/91	Roadrunner Source Book — System 75 Note: Replaced by 555-230-130

**System/Feature Descriptions**

555-200-200	5	System 75 — System Description — Reference Manual
■ Addendum	2	
555-200-201	6	DEFINITY Communications System — Generic 1 — Feature Description — Reference Manual
Addendum	1	
555-200-202	7	AT&T DEFINITY Generic 1 and System 75 — Pocket Reference
555-200-497	2	System 75 — Enhanced — R1V3
555-200-498	1	New and Enhanced Features — R1V2
Addendum	1	
555-200-499	5	DEFINITY Communications System Generic 1 — Administration and Measurements Reports
Addendum	1	
555-200-500	5	Definity G1 and System 75/75XE — Administration and Measurements Reports
555-200-501	1	System 75 R1 V3N North American Number Plan (NANP) (Description (7-93))
555-200-502	1	DEFINITY Communications Systems R1.1n North American Number Plan (NANP) — Description and Administration (7-93)
555-200-553	1	Management Fundamentals 3
555-200-555	1	System 75 — System Management Fundamentals — Data Management

**Planning**

555-200-600	5	DEFINITY Communications System Generic 1 and System 75 — Planning/ Configuration Manual
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Number	Issue	Subject	Number	Issue	Subject
555-200-650	1	Implementation Manual — R1V1	555-200-727	4	System 75 — 7401D Voice Terminal — User's Guide
555-200-651	3	Implementation Manual — R1V2	555-200-728	4	System 75 — 7102A Voice Terminal — User's Instructions
555-200-652	3	System 75 — Implementation Manual — R1V3	555-200-731	1	Customer Troubleshooting Guide
555-200-660	2	Traffic Data Analysis Guide — R1V3	555-200-732	3	System 75 — 7410D Voice Terminal — User's Guide
<b>Peripherals Operation</b>			555-200-733	3	System 75 — 7434D Voice Terminal — User's Guide
Addendum	1		555-200-734	1	YMGK Telephone — User's Guide
555-200-700	5	DEFINITY Communications Systems — Generic 1 Console Operation — User's Guide	555-200-735	1	DEFINITY Generic 1 and System 75 S201A/S202A Telephone
555-200-701	5	DEFINITY Communications System — Generic 1 and System 75 — Voice Terminal Operations — User's Guide	555-200-737	1	System 75 — 7406BIS Voice Terminal — User's Guide
555-200-702	5	System 75 — 2500 Telephone Set and 2500 Telephone Set With Message Waiting and Recall — User Instructions	555-200-738	1	System 75 — Enhanced 7407D (7407DOZC) Voice Terminal — User's Guide
555-200-704	2	System 75 — 7403D and 7405D Voice Terminals — User's Instructions	555-200-739	1	
555-200-705	1	LWC Voiced and Message Retrieval — User Instructions	555-200-751	1	DEFINITY Communications System Generic 1 — 7313H, 7314H, 7315H, 7316H and 7317H — Voice Terminal User's Guide
555-200-706	4	7303S and 7305S Voice Terminals — User's Instructions	555-200-755	1	5201A and 5202A Speakerphones — User's Guide
555-200-708	1	S101A and S102A Speakerphones — User Instructions	555-200-901	--	System 75 V3N Documentation
Addendum	1		555-200-902	--	System 75XE V3N Documentation
555-200-709	1	7101A Voice Terminal — User Instructions	555-200-925	1	Property Management System — DEFINITY — Generic 1 and System 75 — Interface Specification
555-200-712	1	Digital Display Module — User Instructions	555-200-930	1	Hard Patch Feature Specification and Procedural Issues — DEFINITY Communications System Generic 1
Addendum	1		<b>555-201 System 75XE</b>		
555-200-715	1	7404D Voice Terminal — User Instructions	Addendum	1	
555-200-716	4	7407D Voice Terminal — User Instructions	555-201-106	1	Upgrades & Additions
Addendum	1		■ 555-201-130	9/91	Roadrunner Source Book — System 75XE Note: Replaced by 555-230-130
555-200-717	1	7103A Voice Terminal (Programmable) — User Instructions	555-201-200	3	System Description
555-200-719	3	7406D LCDT Voice Terminals — User's Guide	555-201-201	1	Netware PBX DRI INT
555-200-722	2	Automatic Call Distribution — Agent Instructions	555-201-202	1	Netware API
555-200-723	2	Hospitality Operations — User's Guide	555-201-203	1	Netware DEF
555-200-724	2	Automatic Call Distribution — Supervisor Instructions	555-201-205	1	Netware TRB
			555-201-501	1	Passageway Telephone Services Network Managers Guide (7-94)

Number	Issue	Subject	Number	Issue	Subject
555-201-502	1	Passageway Definity Network Manager Guide (7-94)	555-204-590	1	DEFINITY G3I Global System Reports Supplements
555-201-701	1	Netware SIM	Addendum	3	
555-201-702	1	Passageway Telephone Services Network User Guide (7-94)	555-204-654	2	Implementation — Generic 1.1
<b>555-204 DEFINITY Communications System Generic 1</b>			555-204-716	1	7407D Voice Terminal — User's Guide
Addendum	1		555-204-719	2	7406D Voice Terminal — User's Guide
555-204-105	6	DEFINITY G1 and 3 Maintenance Packet Bus Supplement (7-93)	555-204-727	2	7401D Voice Terminal — User's Guide
Addendum	2		555-204-728	3	7102A Voice Terminal — User's Guide
555-204-106	2	Upgrades and Additions	555-204-732	2	7410D Voice Terminal — User's Guide
Addendum	1		555-204-733	1	7434D Voice Terminal — User's Guide
555-204-190	1	DEFINITY G2I Global Upgrades and Additions	555-204-734	1	DEFINITY Generic 1 2500 YMGK Telephone User Guide
555-204-411	1	Change Description — Software — Issue 1.0 to 1.1	555-204-737	1	7406B15 Voice Terminal — User's Guide
555-204-412	1	Software Changes for Generic 1.1 — Issue 1.1 to 1.2	555-204-738	1	Enhanced 7407D (7407DOZC) Voice Terminal — User's Guide
555-204-413	1	Software Changes for Generic 1.1 — Issue 2.0 to Issue 3.0	555-204-740	2	7401 Plus Voice Terminal — User's Guide
555-204-414	1	Software Changes for G1.1 — Issue 3.0 to Issue 3.1	555-204-742	1	7407 Plus Voice Terminal — User's Guide
555-204-415	1	Software Changes for Generic 1.1 — Issue 3.1 to Issue 4.0	555-204-750	1	DEFINITY Generic 1 7505, 7506, and 7507 Voice Terminal User Guide
555-204-416	1	Software Changes for Generic 1.1 — Issue 4.0 to Issue 5.0	<b>555-209 System 75 Application Notes</b>		
555-204-417	1	Software Changes for Generic 1.1 — Issue 5.0 to 5.1	555-209-002	1	Network Services
555-204-418	1	Software Changes for Generic 1.1 — Issue 5.1 to 6.0	555-209-003	2	Distributed Communications System
555-204-419	1	Software Changes for Generic 1.1 — Issue 6.0 to 6.1	555-209-004	1	Bridging
555-204-420	1	Software Changes for Generic 1.1 — Issue 6.1 to Issue 7.0	555-209-006	3	7406D Voice Terminal
555-204-421	1	DEFINITY Software Changes for Generic 1 Issue 7.1	555-209-007	1	Modem Pooling
555-204-422	1	DEFINITY Software Changes for Generic 1 Issue 7.2	555-209-008	2	TN-726 Data Line Circuit Pack
555-204-440	2	International DEFINITY Generic 1 Supplemental Information	555-209-010	1	CALLMASTER™ Digital Voice Terminal
Addendum	1		555-209-011	1	7401D Voice Terminal
555-204-498	1	Enhancements	555-209-012	1	7434D Voice Terminal
555-204-499	1	Capabilities	555-209-013	1	Automatic Call Distribution
555-204-510	1	DEFINITY System Reports G1 and G3i (1-31-92)	555-209-014	1	Outgoing Call Management
			555-209-017	1	System 75 RIV2 and RIV3 7400B Data Module

Number	Issue	Subject	Number	Issue	Subject
<b>555-230 DEFINITY Communications System Generic 1 and Generic 3</b>			Addendum	1	
555-230-021	1	DEFINITY Introduction to Hospitality (1-30-92)	555-230-206	2	DEFINITY Generic 3 System Description and Specifications
555-230-023	1	An Introduction to DEFINITY Communications System Generic 3 V2	■ 555-230-220	3	DEFINITY Generic 3 CALLVISOR™ ASAI Technical Reference
Addendum	1		■ 555-230-221	3	DEFINITY Generic 3 CALLVISOR ASAI Protocol Reference
555-230-104	4	DEFINITY G1 and G3 — Installation and Test (6-93)	Addendum	1	
Addendum	1		555-230-222	3	DEFINITY Generic 3 CALLVISOR ASAI Planning Guide
555-230-105	3	DEFINITY Communications System Generic 3 Maintenance (2 Volumes)	555-230-230	1	DEFINITY Communications System Generic 3 V2 Wideband Technical Reference (7-93)
555-230-106	1	DEFINITY Communications System Generic 3r Upgrades and Additions	555-230-250	1	DEFINITY Communications System Enhancements Addendum to Generic 3 V2 July 1993 (10-18)
Addendum	1		555-230-430	1	DEFINITY Software Changes for Generic 3i — Issue 1.0 to 2.0
555-230-107	1	DEFINITY Communications System Generic 3 V1.1 and V2 Upgrades and Generic 3 Additions — Volume 1 and 2 (6-93)	555-230-431	1	DEFINITY Software Changes for Generic 3i — Issue 2.0 thru 4.0
■ 555-230-130	4/93	Roadrunner Source Book — DEFINITY Note: This replaces 555-200-130 (System 75), 555-201-130 (System 75XE), and 555-100-130 (System 85)	555-230-432	1	DEFINITY Software Changes for Generic 3i — Issue 4.0 thru 6.0
555-230-193	1	DEFINITY Generic 1&2&3 V1&2 Integrated CSU Module Installation and Operation (12-93)	555-230-433	1	DEFINITY Software Changes for Generic 3i — Issue 7.0
Addendum	3		555-230-434	1	DEFINITY Software Changes for Generic 3 V1.2
555-230-200	3	DEFINITY Communications System Generics 1 and 3 System Description and Specifications	555-230-435	1	DEFINITY Software Changes for Generic 3 — Issue 2.1
Addendum	4		555-230-436	1	DEFINITY Software Changes for Generic 3 V7.1
555-230-201	3	DEFINITY Generics 1 and 3i Feature Description	555-230-452	1	DEFINITY G3R DG3R01.05.4.00.0 Change Description
555-230-202	1	DEFINITY Generics 1 and 3 Pocket Reference	555-230-453	1	DEFINITY G3R DG3R01.06.7.00.0 Change Description
555-230-203	1	DEFINITY Communications System Generic 3i — Global Feature Description (12-92)	555-230-455	1	DEFINITY G3R (DG3R01.08.5.00.0) Change Description
Addendum	2		555-230-456	3/94	DEFINITY G3V3 Issue 1 Change Description
555-230-204	1	DEFINITY Generic 3 Feature Description	555-230-458	1	DEFINITY G3V3 Issue 2 Change Description (9-94)
555-230-205	1	DEFINITY Generics 1 and 3i Feature Description	555-230-459	1	DEFINITY G3V2 Issue 5.3 Change Description
			555-230-460	1	DEFINITY G3V3 Issue 3.0 Change Description
			555-230-496	1	DEFINITY G3V2 Capabilities

Number	Issue	Subject	Number	Issue	Subject
555-230-498	1	DEFINITY G3 Transition Reference	Addendum	2	Update to Version 3
555-230-499	1	DEFINITY Generic 3 Capabilities	555-230-653	1	DEFINITY Communications System Generic 3 Version 2 Implementation
Addendum	2				
555-230-500	1	DEFINITY Generics 1 and 3 System Management	555-230-653B	2	DEFINITY Communications System Generic 3 Version 2 Implementation Blank Forms
555-230-510	2	DEFINITY Communications System Generic 3r System Reports	555-230-662	1	DEFINITY Front End Dimension System
Addendum	2				
555-230-511	1	DEFINITY Communications System G3V2 Traffic Report	555-230-700	2	DEFINITY Console Operations G1 and G3 (1-31-92)
Addendum	1		555-230-701	1	DEFINITY Voice Terminal Operation G1 and G3 (1-31-92)
555-230-520	3	DEFINITY G3 Call Vectoring Guide	555-230-702	1	DEFINITY G1 and G3 2500 Telephone User Guide
555-230-590	1	DEFINITY G3I Global System Management Supplement	Addendum	1	
555-230-591	1	DEFINITY G3I Global Call Vectoring Guide Supplement	555-230-704	3	DEFINITY G3 Basic Call Management System (BCMS) Operations
555-230-600	2	DEFINITY Generics 1 and 3 Planning Configuration	Addendum	2	
555-230-601	2	DEFINITY Generic 3 Planning and Configuration	555-230-715	1	Integrated Solutions-III System Manager's Guide for DEFINITY (6-93)
555-230-620	1	DEFINITY Communications System Generic 3r Transition Reference	555-230-716	2	Integrated Solutions-III Installation and Maintenance for DEFINITY
555-230-621	1	DEFINITY Communications System G2 to G3V2 Transition Reference	555-230-722	3	DEFINITY Automatic Call Distribution Automatic Call Distribution Agent Instructions
555-230-630	1	DEFINITY Communications System Generic 1 and Generic 3 Main Distribution Field Design (4-3-92)	555-230-723	2	DEFINITY Hospitality Operations G1 and G3
555-230-635	1	DEFINITY Communications System G3V2 to G3V3 Transition Reference	555-230-724	2	DEFINITY Automatic Call Distribution (ACD) Supervisor Instructions
Addendum	3		555-230-730	1	DEFINITY G1,2,&3 System 75/85 Voice Terminal Quick Reference Guide
555-230-650	1	DEFINITY Implementation Guide (1-31-92)	555-230-741	1	DEFINITY G1&3 System 75 7406 Plus Voice Terminal User Guide
555-230-650B	1	DEFINITY Generic 3 Implementation Forms	555-230-743	1	DEFINITY G1&3 System 75 7410 Plus Voice Terminal User Guide
555-230-651	2	DEFINITY Communications System Generic 3r Implementation	555-230-744	1	DEFINITY Generics 1 and 3 System 75 7444 Voice Terminal User Guide
555-230-651B	2	DEFINITY Communications System Generic 3r Implementation Form	555-230-746	2	DEFINITY Generics 1 and 3 System 75 8102 and 8110 Voice Terminal User Guide
555-230-652	1	DEFINITY G3I Global Implementation Manual (12-92)	555-230-747	2	DEFINITY Generic 1 and 3 8503 Voice Terminal User Guide
555-230-652B	1	DEFINITY G3I Global Implementation Forms (12-92)			

Number	Issue	Subject	Number	Issue	Subject
555-230-748	1	DEFINITY Generic 1 and Generic 3 ISDN 8510t Voice Terminal Users Guide	555-230-784	1	8434 Voice Terminal User Guide - EUFR
555-230-750	3	DEFINITY Voice Terminal Docu-Master Kit	555-230-785	1	8434 Voice Terminal User Guide - EUSP
555-230-760	1	DEFINITY G1&3 System 75 7402 Plus Voice Terminal User Guide	555-230-790	1	DEFINITY G3I Global Console Operations Supplement
555-230-761	1	DEFINITY G1&3 System 75 8403 Voice Terminal User Guide	555-230-792	1	CALLMASTER II & III Quick Reference - German
555-230-762	2	DEFINITY G1, G3, and System 75 8403 Quick Reference Guide (10-5-93)	555-230-794	1	CALLMASTER II & III Quick Reference - EUROSP
555-230-763	1	DEFINITY G1&3 8410 Voice Terminal User Guide	Ⓞ555-230-800	2	Advanced Browser-Windows (Diskett package)
555-230-764	1	DEFINITY G1&3 and System 75 8410 Voice Terminal Quick Reference Guide	Ⓞ555-230-801	2	EDS DEFINITY G3V3 Basic Offering (CD-ROM) (8-93)
555-230-765	1	DEFINITY G1&3 System 75 8434 Voice Terminal User Guide (5-94)	Ⓞ555-230-802	2	DEFINITY G3 Administration (CD-ROM) (6-94)
555-230-766	1	DEFINITY G1&3 System 75 8434 Voice Terminal Quick Reference Guide (4-94)	Ⓞ555-230-803	2	DEFINITY G3 Network (CD-ROM)
555-230-767	1	DEFINITY G1&3 System 75 8520T Voice Terminal User Guide (11-93)	Ⓞ555-230-804	2	DEFINITY G3 Maintenance (CD-ROM)
555-230-768	1	DEFINITY G1, G2, G3, System 75, 85 MDW 9000 Wireless Telephone User Guide (5-94)	Ⓞ555-230-810	1	Advanced Browser-UNIX® (Diskett package)
555-230-769	1	DEFINITY G1, G2, G3, System 75, 85 MDC 9000 Cordless Telephone User Guide (5-94)	555-230-851	1	8403 Voice Terminal User Guide - SPAN
555-230-773	1	DEFINITY G1, G3, System 75, G2, System 85 8101, 8102, 8110 Voice Terminal Quick Reference Guide (12-93)	555-230-853	1	8410 Voice Terminal User Guide - LATA
555-230-777	1	8403 Voice Terminal User Guide - German	555-230-855	1	8434 Voice Terminal User Guide - LATA
555-230-778	1	8403 Voice Terminal User Guide - EUFR	555-230-856	1	Definity G1 & G3 System 75 8434DX Voice Terminal
555-230-779	1	8403 Voice Terminal User Guide - EUSP	555-230-860	1	ACD Agent Manual - FRCANADA
555-230-780	1	8410 Voice Terminal User Guide	555-230-861	1	ACD Agent Manual - LASPANSISH
555-230-781	1	8410 Voice Terminal User Guide - EUFR	555-230-862	1	ACD Supervisor Manual - FRCANADA
555-230-782	1	8410 Voice Terminal User Guide - EUSP	555-230-863	1	ACD Supervisor Manual - LATINSPAN
555-230-783	1	8434 Voice Terminal User Guide - German	555-230-865	1	CALLMASTER II & III - LASPAN
			555-230-990	--	DEFINITY G3I Kit
			555-230-991	--	DEFINITY G3R Kit
			555-230-992	--	DEFINITY Maintenance Load G3VS/S/I V1 to G3VS/S/I V1.1
			555-230-993	--	DEFINITY Maintenance Load G3R V1 to G3R V1.1
			555-230-999	2	GBCS Electronic Documentation Brochure

\* UNIX is a registered trademark of Novell, Inc.

Number	Issue	Subject
555-245-201	1	ISDN GTWY Planning Application Development

**555-3 ISN (Information Systems Network)**

**Introduction**

555-300-020	3	An Introduction to ISN
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**Installation/Maintenance**

555-300-102	1	DUB/HI Installation Maintenance — Service Manual
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**Addendum**

555-300-111	2	STARWAN® System Installation V.7.0 (and 4.2.4)
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555-300-112	2	STARWAN System Maintenance V.7.0 (and 4.2.4)
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**System Features**

555-300-210	2	STARWAN System Reference V.7.0 (and 4.2.4) Reference Manual
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555-300-230	1	STARWAN ISN Site Log
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555-300-303	1	ISN 3.3 Release — Guide
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555-300-400	1	Application Notes
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555-300-401	1	ISN 4.1 Release Guide
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**System Management**

555-300-500	1	System Management Manual — R1V2
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555-300-501	2	STARWAN System Administration V.7.0 (and 4.2.4)
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555-300-502	1	StarKeeper® 1.1
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555-300-503	2	STARWAN System Administration Quick Reference V.7.0 (and 4.2.4)
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555-300-510	1	Administration Guide DECNET* Bridge (R1V4)
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555-300-511	2	Administration Guide — VAX* VMS Host Mux Interface Software (R1V4)
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555-300-550	1	Information Screen
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555-300-570	1	International Supplement
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555-300-571	1	ISN IP Router User Guide
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555-300-572	1	ISN TCP/IP Terminal Server User Guide
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Number	Issue	Subject
555-300-574	2	ISN4.2 — Release Guide
555-300-577	1	ISN Interworking Guide

**Planning**

555-300-600	2	STARWAN Planning Manual — R1V3 V.7.0 (and 4.2.4)
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555-300-650	1	Implementation Guide — R1V3.2
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**System Access R1V3**

555-300-700	3	STARWAN User Instructions V.7.0 (and 4.2.4) System Access
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555-300-701	2	Quick Reference Card
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555-300-750	2	STARWAN — Information Systems Network (ISN) — Master Index V7.0 (and V4.2 Series)
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**StarKeeper® Network Management System (NMS)**

555-300-811	3.2	System Operation and Maintenance Guide
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555-300-840	3.2	Input/Output Messages Manual
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555-300-860	3.2	Quick Reference Guide
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555-300-870	--	StarKeeper Phantom Number to Order 555-300-8XX Series
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555-300-915	1	Frame Relay Alternative (Commcode 106752850) (3-92)
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**555-4 Premises Distribution System**

**555-400 Introduction/Applications**

**Introduction**

555-400-013	1	Distribution Technical Brochure (12-90)
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**Dialing Procedures**

<input type="checkbox"/> 555-400-601	2	SYSTIMAX® Requirements Survey
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Note: Replaced by 461-115-008

555-400-602	2	SYSTIMAX Design Guide
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555-400-701	1	Dialing Procedures for EIA Port Board or Data Line Unit With an ADU — User Reference Card — System 75/85
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**555-401 SYSTIMAX Data Units/Adapters**

<input type="checkbox"/> 555-401-100	2	SYSTIMAX PDS Administration Manual
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Note: Replaced by 461-115-006

\* Registered trademark of Digital Equipment Corporation

Number	Issue	Subject
555-401-702	2	Multiple Asynchronous Data Unit (MADU) — User Manual
555-401-703	7	SYSTIMAX PDS Z3B1 Synchronous Data Unit (SDU) — Product Manual
555-401-710	6	Premises Distribution System — 365A Adapter Product Manual
555-401-713	2	SYSTIMAX PDS 369A Matching Adapter Production Manual

**555-5 System 25****Introductory and Source Information**

- 555-500-130 7/91 Roadrunner Source Book — System 25
- 555-500-432 1 MERLIN LEGEND® Marketing and Sales

**555-509 Application Notes**

555-509-002	1	Application Notes
555-509-030	1	General Dial Up Modem
555-509-035	1	AT&T 2424B Modem
555-509-036	1	Dataphone® 212A Modem
555-509-037	1	AT&T 3B2 Auto Dial
555-509-038	1	AT&T 4425 Modem
555-509-050	1	Apple* Modem 300/1200
555-509-051	1	Hayes Smartmodem 1200
555-509-052	1	Microcom† SX/1200
555-509-055	1	Qubie 212E/1200 Modem
555-509-060	1	Application Notes
555-509-065	1	AT&T TTY Data Term
555-509-070	1	Adds Viewpoint Data
555-509-071	1	Administration Data Display
555-509-073	1	Concept (DH5-108)
555-509-074	1	Data Med Elite 1521
555-509-075	1	Hazeltine (1510)
555-509-076	1	HP Data Terminals
555-509-077	1	Application Note
555-509-150	1	Application Notes
555-509-310	1	System 25 Paging System Application Notes

\* Apple is a registered trademark of Apple Computer, Inc.

† Microcom is a registered trademark of Microcom Systems, Inc.

Number	Issue	Subject
555-509-401	1	System 25 Basic Trunking
555-509-404	1	System 25 Using RIMS to Administrator
555-509-406	1	System 25 Behind Centrex
555-509-408	1	System 25 Using the Automated Attendant to Assist the Regular Attendant

**555-520 System 25 R1V2****Installation/Test/Maintenance**

555-520-011	1	System 25 Customer Training Study Guide
555-520-013	1	System 25 Customer Training Upgrade
555-520-021	1	An Introduction to AT&T System 25
555-520-100	1	Installation and Test Manual
555-520-105	2	Maintenance Manual

**References**

555-520-200	1	Reference Manual — R1V2
555-520-205	1	New Capabilities Manual — R1V2

**Administration**

555-520-500	1	Administration Manual — R1V2
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**Planning/Administration**

555-520-600	1	Planning Manual
555-520-662	1	Administration Records

**Peripherals Operation**

555-520-702	1	Single Line Terminal — User Guide
555-520-703	1	Multiline Terminal — User Guide
555-520-704	2	Data Features — User Reference Guide
555-520-707	1	Multiline Single
555-520-708	1	Starlan Network Access
555-520-709	1	Cam User Guide
555-520-710	1	Terminal Operations Manual

**555-530 System 25 R2V1**

555-530-011	1	System 25 Customer Training Super Pack
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Number	Issue	Subject	Number	Issue	Subject
555-530-014	1	Training Release 2 — Customer Guide	<b>555-540 System 25 R3</b>		
555-530-016	2	Training Release 2 — Instructor's Guide	555-540-011	1	Customer Training Package Containing 11 Different System 25 Documents (5-90)
555-530-018	1	Product Brief — Release 2	555-540-013	1	R2 to R3 Upgrade Super Pack (5-90)
555-530-103	1	Installation and Maintenance Manual	■ 555-540-014	1	Customer Training Study Guide (11-89)
555-530-200	1	Reference Manual — R2V1	■ 555-540-016	1	Instruction Guide (11-89)
555-530-205	1	New Capabilities Manual — R2V1	Addendum	1	
555-530-500	1	Administration Manual — R2V1	● 555-540-103	2	Installation and Maintenance Manual R3
555-530-510	1	Advanced Administration User Guide — R2V1	Addendum	1	
555-530-620	1	Implementation Records	555-540-200	1	Reference Manual (9-89)
555-530-650	1	Implementation Manual and Administration Records	555-540-300	1	System 25 R3C3V Upgrade Package (9-93)
555-530-701	1	Attend Cons User's Guide	Addendum	1	
555-530-702	1	Single Line Terminal — User's Guide	555-540-500	1	Administration Release 3 Manual (8-89)
555-530-703	1	Multiline Terminal User's Guide	555-540-650	10/89	Administration/Implementation Manual (9-89)
555-530-705	1	Training R2 Display CD/PK	555-540-701	1	Direct Trunk Attendant Console User Guide (6-89)
555-530-706	1	SW LP AH User's Guide	555-540-702	1	Direct Trunk Attendant Console User Guide (6-89)
555-530-710	1	Terminal Operations Manual	555-540-703	1	Multiline Terminal User Guide (6-89)
555-530-713	1	Single Line Overlay 25/PK	555-540-706	1	Switched Loop Attendant User Guide (6-89)
555-530-715	2	Integrated Solution User's Guide	555-540-711	1	Cordless Telephone User Guide (6-89)
555-530-716	1	System 25 Guide to the Automated Attendant	555-540-715	1	Integrated Solution II User Guide (8-93)
555-530-717	1	Remote Access CD; 50 P/PK	Addendum	1	
<b>555-532 System 25 CMS</b>			555-540-716	1	Integrated Solution III System 25 R3V3 — Installation and Maintenance Manual
555-532-001	1	Focus 25	Addendum	1	
555-532-110	1	System 25 CMS System Manual (Text and Tabs Only)	555-540-717	1	Integrated Solution III System 25 R3V3 — Manager's Guide
555-532-504	1	CMS Installation and Startup	<b>555-6 MERLIN LEGEND®</b>		
555-532-506	1	Agent CD/10 P/Pkg CMS Planning Guide	<b>555-600 Index and General System Information</b>		
555-532-650	1	System 25 CMS Planning Guide	555-600-010	1	MERLIN LEGEND R2 Integrated Solution III System Manager's Guide
<b>555-535 System 25 Focus</b>					
555-535-002	1	System 25 Focus Release 2			
555-535-005	1	System 25 Focus December 1989			
555-535-007	1	System 25 Focus August 1991			



Number	Issue	Subject	Number	Issue	Subject
555-600-130	1	MERLIN LEGEND Feature Module (FM) ISDN/Digital	555-600-724	1	AUDIX Voicepower System User's Guide (10/P/PK)
<b>Salesware</b>			555-600-725	1	AUDIX Voicepower Switch — for MERLIN LEGEND
■ 555-600-201	1	MERLIN LEGEND Folder/Photo Presentation Package	555-600-726	1	MERLIN LEGEND Issue II System Manager's Guide
■ 555-600-204	1	MERLIN LEGEND Cordless	555-600-727	1	AUDIX VOC Power Planning Guide — Parts, Tools, Test Equipment
■ 555-600-205	1	MERLIN LEGEND Family Photo	555-600-728	1	AUDIX VOC Power AA System Manager Guide — Parts, Tools, Test Equipment
■ 555-600-206	1	MERLIN LEGEND MLX Telephone Photo	555-600-729	1	AUDIX VOC Power AA Installation and Maintenance Guide
■ 555-600-207	1	MERLIN LEGEND MLX 10D Photo	555-600-733	1	MERLIN LEGEND Application Notes Fax
■ 555-600-208	1	MERLIN LEGEND MLX 20L Photo	555-600-734	1	MERLIN LEGEND Applications Notes CENTREX
■ 555-600-209	1	MERLIN LEGEND MLX 28D Photo	555-600-736	1	MERLIN LEGEND Applications Notes Basic Trunking Concepts
■ 555-600-210	1	MERLIN LEGEND PFC Photo	555-600-739	1	MERLIN LEGEND Applications Notes Back Up for Night Service
555-600-211	1	MERLIN LEGEND Communications System Poster (5/P/tube)	555-601-010	2	MERLIN LEGEND R2.0 Integrated Solution III — Manager's Guide
Addendum	1		555-601-010A	1	Integrated Solution III System Manager Update
555-600-212	1	MERLIN LEGEND R3 Sales Guide (7-94)	Addendum	1	
Addendum	1		555-601-011	3	MERLIN LEGEND R2.0 Integrated Solution III — Installation and Maintenance
555-600-629	1	AUDIX VOICEPOWER® Switch — Update Booklet	555-601-100	1	MERLIN LEGEND FAX Attendant System — Manager's Guide R2.0
555-600-710	1	MERLIN LEGEND ATND System Managers Guide	555-601-100A	1	MERLIN LEGEND FAX Attendant System — Manager's Guide R2.0 Update
555-600-710FR	1	MERLIN Attendant French— System Administration	555-601-101	1	MERLIN LEGEND FAX Attendant System — User's Guide R2.0
555-600-710SP	1	MERLIN Attendant Spanish— System Administration	555-601-110	1	MERLIN LEGEND Basic Rate Interface (BRI) Access Button Quick Reference Card
555-600-711	1	MERLIN LEGEND Attendant Installer's Guide	555-601-111	1	MERLIN LEGEND BRI Supplemental Reference Guide
555-600-711FR	1	MERLIN LEGEND Attendant French— Installation Guide	555-601-112	1	MERLIN LEGEND BRI Provisioning Guide and Planning Forms
555-600-711SP	1	MERLIN LEGEND Attendant Spanish— Installation Guide	555-601-113	1	Vistiun Personal Video 1200/1300 System Application Note
555-600-712	1	MERLIN LEGEND Attendant — Planning Forms			
555-600-720	1	MERLIN LEGEND Issue II Installation and Maintenance Guide			
■ Addendum	1				
■ 555-600-721	1	AUDIX Voicepower Planning Guide and Forms			
555-600-722	1	AUDIX Voicepower Installation Guide			
555-600-723	1	AUDIX Voicepower System — Manager's Guide			

Number	Issue	Subject
555-601-200	1	AUDIX Voicepower Manager Guide
555-601-200A	1	AUDIX Voicepower Manager Guide Update
555-601-200B	1	AUDIX Voicepower Manager Guide Update
555-601-201	1	AUDIX Voicepower User's Guide
555-601-202	1	AUDIX Voicepower R2.1.1 AT&T Fax Attendant System®
555-601-202A	1	AUDIX Voicepower/Fax Attendant Planning Update
555-601-202B	1	AUDIX Voicepower/Fax Attendant Planning Update
555-601-203	1	AUDIX Voicepower FAX Attendant planning forms
555-601-204	1	AUDIX Voicepower Installation and Maintenance Guide R2.1.1 (MERLIN LEGEND)

**555-610 MERLIN LEGEND® R1.0/1.1**

■ 555-610-000	1	MERLIN LEGEND System Manager's Slipcase NOTE: Slipcase/ Contains 2 Forms Pocket Folders, (1) 555-610-110 ,(1) 555-610-111, and (1) 555-610-119
555-610-001	1	MERLIN New System Without ATL Sales Release 1.1
555-610-110	1	MERLIN LEGEND R1.0 System Reference Manual
555-610-111	1	MERLIN LEGEND R1.0 System Program Manager
555-610-112	1	MERLIN LEGEND R1.0 Key System Planning
555-610-113	1	MERLIN LEGEND R1.0 PBX System Planning
555-610-114	1	MERLIN LEGEND R1.0 Data Guide
555-610-116	1	MERLIN LEGEND R1.0 Key System — Planning Forms
555-610-117	1	MERLIN LEGEND R1.0 PBX System — Planning Forms
555-610-118	1	MERLIN LEGEND R1.0 Data Planning — Forms
555-610-119	1	MERLIN LEGEND R1.1 Release Notes — Installation Guide
555-610-120	1	MERLIN LEGEND R1.0 Analog Multiline Telephone User's Guide

Number	Issue	Subject
555-610-120FR	1	MERLIN LEGEND R1.0 French Analog Multiline Telephone User's Guide
555-610-120SP	1	MERLIN LEGEND R1.0 Spanish Analog Multiline Telephone User's Guide
555-610-121	1	MERLIN LEGEND R1.0 Single-Line Telephones User's Guide
555-610-121FR	1	MERLIN LEGEND R1.0 French Singleline Telephone User's Guide
555-610-121SP	1	MERLIN LEGEND R1.0 Spanish Singleline Telephone User's Guide
555-610-122	1	MERLIN LEGEND R1.0 MLX-10D, MLX-28D, and MLX-20L Digital/ISDN Display Telephones User's Guide
555-610-122FR	1	MERLIN LEGEND R1.0 French Display User's Guide
555-610-122SP	1	MERLIN LEGEND R1.0 Spanish Display User's Guide
555-610-123	1	MERLIN LEGEND R1.0 MLX-10 Digital/ISDN Non-Display Telephone User's Guide
555-610-123FR	1	MERLIN LEGEND R1.0 French Multiplexer 10 Non-Display User's Guide
555-610-123SP	1	MERLIN LEGEND R1.0 Spanish Multiplexer 10 Non-Display User's Guide
555-610-124	1	MERLIN LEGEND User Cards for MLX-10 and MLX-10D Telephones (5 Card Set)
555-610-125	1	MERLIN LEGEND User Cards for MLX-28D and MLX-20L Telephones (4 Card Set)
555-610-126	1	MERLIN LEGEND R1.1 Release Notes — Analog Multiline User Guide
555-610-127	1	MERLIN LEGEND R1.1 Release Notes — Single Line Telephones User Guide
555-610-128	1	MERLIN LEGEND R1.1 Release Notes — MLX-10D, MLX-20L, MLX-28D Display User's Guide
555-610-129	1	MERLIN LEGEND R1.1 Release Notes — MLX-10 Non Display User's Guide
555-610-130	1	MERLIN LEGEND R1.0 Calling Group Supervisor's Guide

Number	Issue	Subject	Number	Issue	Subject
555-610-130FR	1	MERLIN LEGEND R1.0 French Calling Group Supervisor's Guide	■ 555-610-143	1	MERLIN LEGEND MLX-20L Button Labels NOTE: Replaced by 555-620-154
555-610-130SP	1	MERLIN LEGEND R1.0 Spanish Calling Group Supervisor's Guide	555-610-151FR	1	MERLIN LEGEND R1.1 French Quick Reference Card
555-610-131	1	MERLIN LEGEND R1.0 Analog Direct Line Consoles Operator Guide	555-610-151SP	1	MERLIN LEGEND R1.1 Spanish Quick Reference Card
555-610-131FR	1	MERLIN LEGEND R1.0 French Analog Direct Line Consoles Operator Guide	555-610-152FR	1	MERLIN LEGEND R1.1 French Single-Line Quick Reference Card
555-610-131SP	1	MERLIN LEGEND R1.0 Spanish Analog Direct Line Consoles Operator Guide	555-610-152SP	1	MERLIN LEGEND R1.1 Spanish Single-Line Quick Reference Card
555-610-132	1	MERLIN LEGEND R1.0 MLX Direct Line Console Operator Guide	555-610-154FR	1	MERLIN LEGEND R1.1 French Analog (BIS) Quick Reference Card
555-610-132FR	1	MERLIN LEGEND R1.0 French MLX Direct Line Console Operator Guide	555-610-154SP	1	MERLIN LEGEND R1.1 Spanish Analog (BIS) Quick Reference Card
555-610-132SP	1	MERLIN LEGEND R1.0 Spanish MLX Direct Line Console Operator Guide	555-610-155FR	1	MERLIN LEGEND R1.1 French Analog DL Console Quick Reference Card
555-610-133	1	MERLIN LEGEND R1.0 Queued Call Console Operator Guide	555-610-155SP	1	MERLIN LEGEND R1.1 Spanish Analog DL Console Quick Reference Card
555-610-133FR	1	MERLIN LEGEND R1.0 French Queued Call Console Operator Guide	555-610-156FR	1	MERLIN LEGEND R1.1 French MLX Non-Display Quick Reference Card
555-610-133SP	1	MERLIN LEGEND R1.0 Spanish Queued Call Console Operator Guide	555-610-156SP	1	MERLIN LEGEND R1.1 Spanish MLX Non-Display Quick Reference Card
555-610-134	1	MERLIN LEGEND R1.1 Calling Group Release Notes	555-610-157FR	1	MERLIN LEGEND R1.1 French MLX Display Quick Reference Card
■ 555-610-135	1	MERLIN LEGEND R1.1 Analog Direct-Line Release Notes	555-610-157SP	1	MERLIN LEGEND R1.1 Spanish MLX Display Quick Reference Card
555-610-136	1	MERLIN LEGEND R1.1 MLX Direct-Line Release Notes	555-610-158FR	1	MERLIN LEGEND R1.1 French Analog Cordless Quick Reference Card
555-610-137	1	MERLIN LEGEND R1.1 MLX Queued Call Console Release Notes	555-610-158SP	1	MERLIN LEGEND R1.1 Spanish Analog Cordless Quick Reference Card
555-610-140	1	MERLIN LEGEND R1.0 Installation Program and Maintenance Guide	555-610-159FR	1	MERLIN LEGEND R1.1 French MLX DL Console Quick Reference Card
555-610-141	1	MERLIN LEGEND R1.0 Pocket Reference	555-610-159SP	1	MERLIN LEGEND R1.1 Spanish MLX DL Console Quick Reference Card
■ 555-610-142	1	MERLIN LEGEND MLX-10-10D Button Labels NOTE: Replaced by 555-620-154			

Number	Issue	Subject	Number	Issue	Subject
555-610-160	1	MERLIN LEGEND R1.1 MLC-5 Cordless Telephone Quick Reference Guide	555-611-129	1	MERLIN LEGEND MLX-10 R1.2i Non-Display Phone User's Guide
555-610-161	1	MERLIN LEGEND R1.1 Analog (BIS) Multi-Line Quick Reference	555-611-134	1	MERLIN LEGEND Calling R1.2i Group Supervisor's Guide
555-610-162	1	MERLIN LEGEND R1.1 MLX Display Quick Reference Card	555-611-135	1	MERLIN LEGEND Analog R1.2i Direct Line Operator's Guide
555-610-163	1	MERLIN LEGEND R1.1 MLX Non-Display Quick Reference	555-611-136	1	MERLIN LEGEND MLX R1.2i Direct-Line Consoles Operator's Guide
555-610-167	1	MERLIN LEGEND R1.1 Single-Line Telephone Quick Reference Card	555-611-137	1	MERLIN LEGEND MLX R1.2i Queued Call Console Operator Guide
555-610-170	1	MERLIN LEGEND R1.1 Calling Group Quick Reference Card	<b>555-611 MERLIN LEGEND® R1.3i (International)</b>		
555-610-172	1	MERLIN LEGEND R1.1 MLX Direct-Line Console Quick Reference Card	555-612-111	1	MERLIN LEGEND R1.3i System Programming
555-610-175	1	MERLIN LEGEND R1.1 Analog (BIS) Direct-Line Console Quick Reference Card	555-612-113	1	MERLIN LEGEND R1.3i System Planning
555-610-177	1	MERLIN Legend R1.1 MLX Queued Call Console Quick Reference Card	555-612-117	1	MERLIN LEGEND R1.3i System Planning Forms
555-610-179	1	MERLIN LEGEND MLX-10D Display Cards (5 Card Set)	555-612-119	1	MERLIN LEGEND R1.3i System Reference
555-610-180	1	MERLIN LEGEND MLX-20L and -28D Display Cards	Ⓞ555-612-120	1	MERLIN LEGEND R1.3i Documentation Diskettes
555-610-710FR	1	MERLIN LEGEND R1.1 French MERLIN ATTENDANT Administration	555-612-127	1	MERLIN LEGEND R1.3i Single-Line Telephones User's Guide
555-610-710SP	1	MERLIN LEGEND R1.1 Spanish MERLIN ATTENDANT Administration	555-612-128	1	MLX-20L Display Telephone User's Guide
555-610-711FR	1	MERLIN LEGEND R1.1 French MERLIN ATTENDANT Installation	555-612-129	1	MERLIN LEGEND R1.3i Non-Display Telephones User's Guide
555-610-711SP	1	MERLIN LEGEND R1.1 Spanish MERLIN ATTENDANT Installation	555-612-134	1	MERLIN LEGEND R1.3i Calling Group Supervisor's Guide
<b>555-611 MERLIN LEGEND® R1.2i (International)</b>			555-612-136	1	MERLIN LEGEND R1.3i MLX Direct-Line Consoles Operator's Guide
555-611-119	1	MERLIN LEGEND R1.2i Notes	555-612-137	1	MERLIN LEGEND R1.3i MLX Queued Call Console Operator Guide
555-611-126	1	MERLIN LEGEND Analog R1.2i Multiline Phone User Guide	555-612-140	1	MERLIN LEGEND R1.3i IP&M
555-611-127	1	MERLIN LEGEND SL R1.2i Telephone User's Guide	555-612-141	1	MERLIN LEGEND R1.3i Installation Program and Maintenance Guide
555-611-128	1	MERLIN LEGEND R1.2i MLX-10D -28D -20L Display Telephone User Guide	<b>555-620 MERLIN LEGEND® R2.0</b>		
			555-620-001	2	MERLIN LEGEND II New System Sales W/O ATL Sets
			555-620-002	2	MERLIN LEGEND II New System Sales W/ATL Sets and Upgrades



Number	Issue	Subject	Number	Issue	Subject
555-630-111	1	MERLIN LEGEND R3.0 System Programming (8-94)	555-630-153	1	MERLIN LEGEND MLX-20L/MLX-28D User Tray Cards (3.0) (set of 5)
555-630-112	1	MERLIN LEGEND R3.0 System Planning/Security (Includes Forms) (8-94)			
555-630-113	1	MERLIN LEGEND R3.0 System Planning Forms (8-94)			
555-630-115	1	MERLIN LEGEND R3.0 Equipment and Operations Reference (8-94)			
555-630-116	1	MERLIN LEGEND R3.0 Pocket Reference (8-94)			
555-630-117	1	MERLIN LEGEND R3.0 Introduction (8-94)			
555-630-118	1	MERLIN LEGEND R3.0 System Manager's Guide (8-94)			
555-630-120	1	MERLIN LEGEND R3.0 Analog Multiline Telephones User's Guide (8-94)			
555-630-122	1	MERLIN LEGEND R3.0 MLX Display Telephones User's Guide (8-94)			
555-630-124	1	MERLIN LEGEND R3.0 MLX Non-Display Telephone User's Guide (8-94)			
555-630-126	1	MERLIN LEGEND R3.0 Single-Line Telephone User's Guide (8-94)			
555-630-129	1	MERLIN LEGEND R3.0 Data User's Guide (8-94)			
555-630-130	1	MERLIN LEGEND R3.0 Calling Group Supervisor's Guide (8-94)			
555-630-132	1	MERLIN LEGEND R3.0 Analog Direct-Line Consoles Operator's Guide (8-94)			
555-630-134	1	MERLIN LEGEND R3.0 MLX Direct-Line Consoles Operator's Guide (8-94)			
555-630-136	1	MERLIN LEGEND R3.0 MLX Queued Call Consoles Operator's Guide (8-94)			
555-630-138	1	MERLIN LEGEND R3.0 MDC-9000 and MDW-9000 User's Guide (8-94)			
555-630-140	1	MERLIN LEGEND R3.0 Installation, Programming, and Maintenance (8-94)			
555-630-150	1	MERLIN LEGEND MLX-10D User Tray Cards (3.0) (set of 6)			
555-630-151	1	MERLIN LEGEND MLX-10 User Tray Cards (3.0) (set of 6)			

**Division 560****Data System Products, Cross-Product, Product Independent, UNIX\* Microsystems, and Computer Systems**

Number	Issue	Subject
560-099-007IR	1	AT&T 615 Color Multitasking Terminal (CMT)

**560-0 Index and CIRs**

-000 Index

-099 Customer Information Releases (CIRs)

**560-2 PCs and Workstations**

-201 PassageWay™

**560-3 Computer Systems**

560-321 STAR SERVER™ FT (Fault Tolerant)

**560-4 UNIX**

-407 Application Development Software

**560-5 Multimedia Products**

-501 Network Interface Devices

Number	Issue	Subject
<b>560-0 Index and CIRs</b>		
560-000 Index		
560-000-000	13	Data System Products, Cross-Product, Product Independent, UNIX Microsystems, and Computer Systems (5-95)

**560-099 Customer Information Releases (CIRs)**

560-099-001IR	2	AT&T 6386 Workgroup System
560-099-002IR	3/88	AT&T Sun Micro Systems Announce View Computing Platform
560-099-003IR	8/88	AT&T Announces Plans for UNIX System V Release 4.0
560-099-004IR	12/88	New Software Release Enhances AT&T 6500 MCS Functionality
560-099-005IR	9/88	Data Systems 3B2
560-099-006IR	12/88	AOE: A Framework for the Future

\* UNIX is a registered trademark of Novell, Inc.

Number	Issue	Subject	Number	Issue	Subject
<b>560-2 PCs and Workstations</b>			<b>560-3 Computer Systems</b>		
<b>560-201 PassageWay™</b>			<b>560-321 Star Server™ FT (Fault Tolerant)</b>		
<b>Hardware Documents</b>			<b>Hardware Documents</b>		
560-201-010	1	PassageWay Direct Connect Solutions Guide	560-321-051	--	STAR SERVER FT IDS Online Documentation Version B00 Release 6.1.0
☐ 560-201-012	1	PassageWay Telephony Services Marketing and Sales Guide	<b>STAR SERVER Hardware Documents</b>		
☐ 560-201-013	3/94	PassageWay Telephony Services Announcement Training Video	560-321-310	4	STAR SERVER Fault Tolerant Helix Services Guide Release 3
560-201-014	6-94	PassageWay Telephony Services Netware® Information Package	560-321-311	1	STAR SERVER Fault Tolerant Helix Technical Description Release 3
560-201-015	6-94	PassageWay Telephony Services Netware® Video	Revision 1	10/93	
☐ 560-201-016	--	PassageWay Telephony Services Netware® Package. Includes 560-201-014 and -015	560-321-312	3	STAR SERVER Fault Tolerant Release 3 Central Office Hardware Installation Guide
☐ 560-201-017	6-94	PassageWay Telephony Services Netware® Customized Video	560-321-313	3	STAR SERVER Fault Tolerant Release 3 Hardware Installation Guide (12-94)
560-201-018	7-94	Fast Call for PassageWay Sales Video	560-321-314	2	STAR SERVER Fault Tolerant Helix Site Preparation Guide Release 3
560-201-019	4/95	PassageWay Telephony Services Customer Testimonial Video	<b>STAR SERVER Software Documents</b>		
560-201-020	4/95	PassageWay Telephony Services R2.0 Business TV Announcement	560-321-401	1	STAR SERVER Fault Tolerant System Monitor Administrator's Guide
■ 560-201-100	4/95	PassageWay Telephony Services Solution Glossary	560-321-402	1	STAR SERVER Fault Tolerant System Monitor Product Description
■ 560-201-101	2	PassageWay — MERLIN LEGEND R2.0 — User's Guide	560-321-405	2	STAR SERVER Fault Tolerant UNIX System V Release 4.0 Administrator's Reference Manual (12-94)
560-201-102	1	AT&T PassageWay Solution User's Guide for DEFINITY Communications System	560-321-406	1	Administrator's Reference Manual Vol. 2
Addendum	1		560-321-408	2	STAR SERVER Fault Tolerant UNIX System V Release 4.0 User's Reference Manual (12-94)
560-201-103	1	AT&T PassageWay Solution User's Guide for PARTNER Communications System	560-321-409	1	STAR SERVER Fault Tolerant UNIX SVR4.0 User's Reference Manual Vol. 2
<b>560-321 Star Server™ FT (Fault Tolerant)</b>			560-321-411	2	STAR SERVER Fault Tolerant UNIX System V Release 4.0 Programmer's Reference Manual Vol. 1 (12-94)
<b>Hardware Documents</b>			560-321-412	2	STAR SERVER Fault Tolerant UNIX System V Release 4.0 Programmer's Reference Manual Vol. 2 (12-94)



Number	Issue	Subject	Number	Issue	Subject
560-321-413	2	STAR SERVER Fault Tolerant UNIX System V Release 4.0 Programmer's Reference Manual Vol. 3 (12-94)	Revision 1	1/94	
Revision 1	12/93		560-321-436	1	STAR SERVER Fault Tolerant UNIX SVR4.0 Network Administrator's Guide
560-321-414	1	STAR SERVER Fault Tolerant UNIX SVR4.0 Administrator's Guide — User Services	560-321-438	1	Performance Aid (Artwork for On-Line Kit)
560-321-415	1	STAR SERVER Fault Tolerant UNIX SVR4.0 Administrator's Guide — Machine Management	560-321-440	1	Non Stop WX Guide to MNLS
560-321-416	1	STAR SERVER Fault Tolerant UNIX SVR4.0 Administration Data Management	Revision 2	12/93	
560-321-417	3	STAR SERVER Fault Tolerant UNIX 4.0 Maintenance and Diagnostic Tools Guide (12-94)	560-321-442	2	STAR SERVER Fault Tolerant Release 3 Visual Administrator's Guide
560-321-418	4	STAR SERVER Fault Tolerant UNIX System V Release 4.0 Systems Software Installation Guide	560-321-444	1	Read Me First Kit Letter
560-321-420	1	STAR SERVER Fault Tolerant UNIX SVR4.0 Programmer's Guide — Networking Interfaces	<b>560-4 UNIX</b>		
560-321-422	1	STAR SERVER Fault Tolerant UNIX SVR4.0 Programmer's Guide — STREAMS	<b>560-407 Application Development Software</b>		
560-321-423	1	STAR SERVER Fault Tolerant UNIX SVR4.0 Programmer's Guide — C Language Programming Tools	560-407-150	2	AT&T Master Controller III User's Guide
560-321-424	1	STAR SERVER Fault Tolerant UNIX SVR4.0 Programmer's Guide — POSIX Conformance	560-407-151	1	Master Controller III Diagnostic Program User's Guide
560-321-425	1	STAR SERVER Fault Tolerant UNIX SVR4.0 Programmer's Guide — Character User Interface	<b>560-5 Multimedia Products</b>		
560-321-426	1	STAR SERVER Fault Tolerant UNIX SVR4.0 Programmer's Guide — System and Application Tools	<b>560-501 Network Interface Devices</b>		
560-321-430	1	STAR SERVER UNIX SVR 4.0 DDI/DKI Reference Manual	560-501-100	1	AT&T EMMI™ Multimedia Interface User's Guide (1-95)
560-321-433	1	STAR SERVER Fault Tolerant UNIX SVR4.0 User's Guide Vol. 1			
560-321-434	1	STAR SERVER Fault Tolerant UNIX SVR4.0 User's Guide Vol. 2			

**Division 570****Teletypewriter General Information — Miscellaneous Apparatus and Auxiliary Equipment****570-0 Indexes and General Information****570-1 Converters, Station****570-2 Miscellaneous Apparatus****570-3 Auxiliary Equipment**

Number	Issue	Subject
<b>570-0 Indexes and General Information</b>		
<b>570-000 Indexes</b>		
570-000-000	74	Numerical Index — Division 570 — Teletypewriter General Information — Miscellaneous Apparatus and Auxiliary Equipment
Addendum	1	
570-000-003	1	Master Cross Reference Index of Part Numbers and Associated 9-Digit Sections
<b>570-001 Teletypewriter Station Space Requirements</b>		
570-001-010	3	Teletypewriter Station Space Requirements
<b>570-002 Preparation of Teletypewriter Apparatus for Installation</b>		
570-002-010	4	Preparation of Teletypewriter Apparatus for Installation
<b>570-003 Power Supply for Teletypewriter Apparatus</b>		
570-003-010	7	Electrical Service for Teletypewriter Apparatus
<b>570-004 Teletypewriter Apparatus — Station Maintenance and General Requirements</b>		
570-004-700	5	General Requirements — Requirements and Adjustments
570-004-701	8	General Requirements — Lubrication

Number	Issue	Subject
570-004-702	1	General Requirements — Disassembly and Reassembly
570-004-703	6	General Requirements — Cleaning
570-004-704	5	General Requirements — Retouching and Refinishing

**570-005 Teletypewriter Tools and Maintenance Supplies**

570-005-100	8	Teletypewriter Tools and Maintenance Supplies
570-005-800	6	Teletypewriter Maintenance Tools

**570-006 Teletypewriter Station Tests**

570-006-500	5	Orientation and Distortion Tests
570-006-501	3	Local Receiving Tolerance Tests Using Portable Equipment for Test Signals and Test Current

**570-007 Teletypewriter Station Trouble Analysis Plans**

570-007-010	2	Teletypewriter and Data Station Visit Analysis Plan — Visit Ticket E-5549
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**570-008 Information on Stationery for Teletypewriters**

570-008-010	11	Information on Stationery for Teletypewriters and DATASPEED® Terminals
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**570-009 Remote Signal Bell and Teletypewriter Installations Involving Explosive Atmospheres**

570-009-100	1	Description
570-009-200	1	Installation

**570-010 Radio Induction Suppression Filters — General Requirements**

570-010-100	6	List of Available Radio Induction Suppression Filters
570-010-200	4	Installation of Radio Frequency Induction Suppression Filters on Teletypewriters and Associated Equipment — General Instructions

Number	Issue	Subject	Number	Issue	Subject
<b>570-011 Teletypewriter Selecting Codes</b>			<b>570-201 SOTUS — Sequential Selector and Selector Panel</b>		
570-011-100	3	Teletypewriter Selecting Codes	570-201-100	1	Description and Principles of Operation
570-011-101	2	Eight Level Data Interchange Code — Four-Row Keyboard	570-201-101	1	BS6 Sequential Selector — Description and Principles of Operation
<b>570-012 Teletypewriter Apparatus — Speed Regulation</b>			570-201-400	3	Wiring Diagram
570-012-100	4	Teletypewriter Apparatus — Speed Regulation	570-201-500	1	Maintenance Inspection and Tests
<b>570-013 List of TELETYPE® Corporation "S" Specifications and Bulletins — Teletypewriter Apparatus</b>			570-201-700	6	Requirements and Adjustments
570-013-010	27	List of "S" Specifications — Teletypewriter Apparatus	570-201-701	1	Lubrication
570-013-011	14	List of Teletype Corporation Parts Bulletins	<b>570-202 Codomat Equipment</b>		
<b>570-014 Teletypewriter Station Records</b>			570-202-400	1	1LA Codomat and 1LA Codomat Cabinet — Wiring Diagram
570-014-001	2	Stunt Box Record Forms — Responsibility and Use	570-202-700	1	1LA Codomat and 1LA Codomat Cabinet — Requirements and Adjustments
<b>570-015 Designation of Station and Loops</b>			570-202-701	1	1LA Codomat and 1LA Codomat Cabinet — Lubrication
570-015-101	1	Private Line Services-Teletypewriter	<b>570-203 Timers</b>		
<b>570-020 Type Pallets for Models 28, 35 and 37 Teletypewriter Sets</b>			570-203-400	1	1LA and 1LB Timer — Wiring Diagram
570-020-800	3	Type Pallets for Models 28, 35, and 37 Teletypewriter Sets	570-203-700	1	1LA and 1LB Timer — Requirements and Adjustments
570-020-801	2	Keytops for Models 37, CDT and DATASPEED® Printer — Terminals	<b>570-204 Cam-Operated Distributors</b>		
<b>570-2 Miscellaneous Apparatus</b>			570-204-700	1	Requirements and Adjustments
<b>570-200 Multiple Transmitter Units and Bases</b>			570-204-701	1	Lubrication
570-200-100	1	Description	<b>570-220 Motors and Motor Units</b>		
570-200-400	1	Wiring Diagram	570-220-100	4	Motor Units — Description and Principles of Operation
570-200-700	1	Requirements and Adjustments	570-220-400	3	Wiring Diagram
570-200-701	1	Lubrication	570-220-700	5	Requirements and Adjustments
			570-220-701	5	Lubrication
			570-220-702	3	Motor Units — Disassembly and Reassembly
			570-220-800	5	Motor Unit (MU, LMU, and YMU) — Parts

Number	Issue	Subject	Number	Issue	Subject
<b>570-221 Cabinets and Tables</b>			570-300-700	1	1A Tape Splicer — Requirements and Adjustments
570-221-101	1	1A Typing Reperforator Cabinet — Description	570-300-704	1	28A Tape Splicer — Requirements and Adjustments
570-221-400	3	100 Type Cabinets — Wiring Diagram	570-300-705	1	28A Tape Splicer — Lubrication
570-221-700	1	100 Type Cabinets — Requirements and Adjustments	570-300-800	1	1A Tape Splicer — Parts
570-221-701	1	100 Type Cabinets — Lubrication	570-300-801	1	28 Tape Splicer (LTS) — Illustrated Parts Breakdown
570-221-702	1	100 Type Cabinets — Cleaning	<b>570-301 Winders, Unwinders, and Rewinders</b>		
<b>570-223 Tape Preparation Arrangements</b>			570-301-100	1	Tape Winders — Motor Driven — 1A, 2A, 3A, and 4A — Description and Operation
570-223-100	2	Keyboard Tape Punch and Keyboard Typing Tape Punch (Off-Line) — Description and Principles of Operation	570-301-101	1	Tape Winders — Motor Driven — TW200 and TW201 — Description and Operation
570-223-700	2	Keyboard Tape Punch and Keyboard Typing Tape Punch (Off-Line) — Adjustments	570-301-110	1	Tape Winders — Spring Driven — Description
570-223-800	2	Keyboard Tape Punch (LKPE), Keyboard Typing Tape Punch (LKTP) and Cover (LKPC) Off-Line — Parts	570-301-111	1	Tape Unwinders and Rewinder — Description
Appendix 1	2	No Title	570-301-120	1	Paper Winders — 15 Type — Description
<b>570-224 Selector Magnet Driver</b>			570-301-220	1	Paper Winders — 15 Type — Installation
570-224-100	1	TP177010 Selector Magnet Driver — Description and Principles of Operation	570-301-420	1	Paper Winders — 15 Type — Wiring Diagrams
570-224-200	1	TP177010 Selector Magnet Driver — Installation	570-301-421	1	Paper Winders — 1A-Wiring Diagram
570-224-300	1	TP177010 Selector Magnet Driver — Servicing	Appendix 1	2	Paper Winders — 1A-Wiring Diagram
570-224-400	1	TP177010 Selector Magnet Driver — Wiring Diagram	570-301-700	1	Tape Winders — Motor Driven — 1A, 2A, 3A, and 4A — Requirements and Adjustments
570-224-800	1	TP177010 Selector Magnet Driver — Parts	570-301-701	1	Tape Winders — Motor Driven — 1A, 2A, 3A, and 4A — Lubrication
<b>570-3 Auxiliary Equipment</b>			570-301-703	1	Tape Winders — Motor Driven — TW200 and TW201 — Requirements and Adjustments
<b>570-300 Tape Splicers</b>			570-301-704	1	Tape Winders — Motor Driven — TW200 and TW201 — Lubrication
570-300-100	1	1A Tape Splicer — Description and Operation	570-301-705	3	1A Paper Winder
570-300-101	1	28A Tape Splicer — Description and Operation	570-301-720	1	Paper Winders — 15 Type — Requirements and Adjustments
570-300-401	1	28A Tape Splicer — Wiring Diagram	570-301-721	1	Paper Winders — 15 Type — Lubrication
			570-301-800	4	Tape Winders (TW) and Unwind Reels — Parts

Number	Issue	Subject	Number	Issue	Subject
570-301-802	2	Paper Winder (LPW) — Parts	570-303-200	2	1000-Ohm Shunt for Holding Magnet Selector Coils — Installation
570-301-803	2	Paper Winder (PW) — Parts	570-303-201	1	128B2 Teletypewriter Subscriber Set — Installation
<b>570-302 Auxiliary Power Equipment</b>			570-303-202	3	128B2 Teletypewriter Subscriber Set — Installation of Radio Induction Suppressors
570-302-100	1	Rectifiers for Teletypewriter Station Apparatus — Description	570-303-203	5	130-Type Teletypewriter Subscriber Set for Customer-Owned Terminals — Installation
570-302-101	5	Fusetrons for Teletypewriter Apparatus — Description	570-303-204	1	131B2 Teletypewriter Subscriber Set — Installation
570-302-102	1	Time Switches for Teletypewriter Stations — Description	570-303-205	1	63-C-1 Telegraph Loop Switchboard — Installation
570-302-103	1	Teletypewriter Control Relays — Description	570-303-208	1	1043A Filter for Station End of 62.5 MA DC — Electronic Data Loop — Installation
570-302-200	1	Rectifiers for Teletypewriter Station Apparatus — Installation	570-303-401	1	128B2 Teletypewriter Subscriber Set — Wiring Diagram
570-302-202	1	Time Switches for Teletypewriter Stations — Installation	570-303-405	1	63-C-1 Telegraph Loop Switchboard — Wiring
570-302-204	4	122A Filter for Power Leads of Teletypewriter Sets — Installation	570-303-407	1	150-Type Wave Shaping Sets — Line Terminating Arrangements
570-302-302	1	Time Switches for Teletypewriter Stations — Operating Methods	570-303-503	4	130-Type Teletypewriter Subscriber Set — Tests and Adjustments
570-302-400	1	Rectifiers for Teletypewriter Station Apparatus — Wiring Diagram	570-303-504	1	131B2 Teletypewriter Subscriber Set — Tests
570-302-700	1	Rectifiers for Teletypewriter Station Apparatus — Requirements and Adjustments	570-303-706	1	Line Relays — Requirements and Adjustments
570-302-702	1	Time Switches for Teletypewriter Stations — Requirements and Adjustments	<b>570-305 Word Counters</b>		
570-302-703	1	Teletypewriter Control Relays — Requirements and Adjustments	570-305-101	1	WC-6A Word Counter — Description and Principles of Operation
<b>570-303 Auxiliary Line Equipment</b>			570-305-400	1	WM200 Word Counter — Wiring Diagram
570-303-101	1	128B2 Teletypewriter Subscriber Set — Description and Theory of Operation	570-305-401	1	WC-6A Word Counter — Wiring Diagram
570-303-103	4	130-Type Teletypewriter Subscriber Set — Description	570-305-700	1	WM200 Word Counter — Requirements and Adjustments
570-303-104	1	131B2 Teletypewriter Subscriber Set — Description and Principles of Operation	570-305-701	1	WM200 Word Counter — Lubrication
570-303-105	1	63-C-1 Telegraph Loop Switchboard — Description	570-305-704	1	WC-6A Word Counter — Requirements and Adjustments
570-303-106	1	Line Relays — Description	570-305-705	1	WC-6A Word Counter — Lubrication
570-303-107	1	150-Type Wave Shaping Sets — Description	570-305-800	1	WM200 Word Counter — Operates at 60, 75, or 100 WPM
570-303-108	1	1043A Filter for Station End of 62.5 MA DC — Electronic Data Loop — Description			

Number	Issue	Subject
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**570-306 Miscellaneous Equipment**

570-306-100	2	Static Eliminators — Description
570-306-200	2	Static Eliminators — Installation
570-306-201	4	Installation of Radio Frequency Induction Suppression Filters for Equipment Containing Miscellaneous Relays or Mechanically or Manually Operated Contacts
570-306-700	2	Plugs and Sockets — H. B. Jones — Requirements and Adjustments

**570-307 Pushbutton Data Generator**

570-307-800 1 (PBDG) — Parts

**Division 573****28-Type Teletypewriters****573-0 Indexes and General Information 28-Type****573-6 Radio Frequency Interference (RFI) Suppression**

Number	Issue	Subject
<b>573-0 Indexes and General Information</b>		
<b>573-000 Index</b>		
573-000-000	77	Numerical Index — Division 573 — 28-Type Teletypewriters
<b>573-010 28 Teletypewriter — Maintenance Inspections and Tests</b>		
573-010-500	2	Maintenance Inspections and Tests
<b>573-1 28-Type</b>		
<b>573-100 28 Keyboard Send-Receive and Receiving Only Teletypewriter Set (KSR and RO)</b>		
Addendum	1	
573-100-100	1	Description
573-100-201	2	28 Wall Mounted Keyboard Send and Receive and Receive-Only Teletypewriter (KSR and RO) — Installation
573-100-702	1	Disassembly and Reassembly
573-100-800	1	28 Page Printer Set Modification Kits (KSR/RO)
573-100-801	1	Keytops for Model 28 Teletypewriter Sets
<b>573-101 28 Automatic Send-Receive Teletypewriter Set (ASR)</b>		
573-101-100	1	Description
573-101-200	2	Installation of Component Units
573-101-201	1	Auxiliary Typing Reperforator for 28 Automatic Send-Receive Set — Installation
573-101-500	1	Operating Tests

Number	Issue	Subject
<b>573-102 28 Keyboard Send-Receive and Receive Only Typing Reperforator Set (KTR and RO)</b>		
573-102-100	1	Description
573-102-200	1	Installation
573-102-702	1	Disassembly and Reassembly
<b>573-103 28 Tape Teletypewriter Set</b>		
573-103-400	3	Wiring Diagram
<b>573-104 28 Reperforator-Transmitter Set</b>		
573-104-400	2	Wiring Diagram
573-104-700	1	Requirements and Adjustments
573-104-701	1	Lubrication
573-104-702	1	Disassembly and Reassembly
<b>573-105 28 Self-Contained Transmitter-Distributor Set (Single- Contact and Multicontact)</b>		
573-105-100	1	Description
573-105-702	1	Disassembly and Reassembly
<b>573-106 28 Multiple Mounted, Multicontact, Transmitter-Distributor Set</b>		
573-106-702	3	(Single Contact and Multicontact) — Disassembly and Reassembly
<b>573-108 28 and 35 Multimagnet Nontyping Reperforator Set</b>		
573-108-100	1	Description
<b>573-115 28 Typing Unit</b>		
573-115-100	1	Description and Principles of Operation
573-115-102	1	28 Stuntbox Mechanism and Principles of CDC Assignments on the Broadcast Circuit Associated with a Data Switching System
573-115-103	1	28 Stuntbox — Description and Operating Principles
Addendum	2	
573-115-200	2	Installation of Function Parts on a 28 Stuntbox
573-115-400	2	Wiring Diagram

Number	Issue	Subject	Number	Issue	Subject
573-115-700	7	Requirements and Adjustments	Addendum	1	
573-115-701	3	Lubrication	573-119-700	4	28 Nontyping Reperforator Unit — Adjustments
573-115-702	4	Disassembly and Reassembly	573-119-701	2	Lubrication
Appendix 1	4		573-119-702	1	Disassembly and Reassembly
573-115-800	3	(LP) — Parts	Appendix 1	1	
<b>573-116 28 Teletypewriter Base (KSR and RO)</b>			573-119-800	2	(LRPE) — Parts
573-116-100	1	Description and Principles of Operation	<b>573-120 28 Multimagnet Nontyping Reperforator</b>		
573-116-400	2	Wiring Diagrams	573-120-100	1	28 and 35 Multimagnet Nontyping Reperforator — Description and Principles of Operation
573-116-700	6	Adjustments	573-120-400	2	Wiring Diagram
573-116-701	3	Lubrication	573-120-700	3	28 and 35 Multimagnet Nontyping Reperforator — Adjustments
573-116-702	2	Disassembly and Reassembly	573-120-701	3	28 and 35 Multimagnet Nontyping Reperforator — Lubrication
573-116-800	3	28 Send-Receive Keyboard (LK) and 28 Receive-Only Base (LB) Parts	573-120-702	3	28 and 35 Multimagnet Nontyping Reperforator — Disassembly and Reassembly
<b>573-117 28 Perforator-Transmitter Base</b>			573-120-800	1	28 and 35 Multimagnet Nontyping Reperforator (LARP) — Parts
573-117-100	1	Description and Principles of Operation	<b>573-121 28 Typing Reperforator Base (KTR and ROTR)</b>		
573-117-400	6	Wiring Diagram	573-121-100	1	(Receiving Only and Keyboard Send-Receive) — Description and Principles of Operation
573-117-700	4	Requirements and Adjustments	573-121-101	1	28 Auxiliary Typing Reperforator Base for Automatic Send-Receive (ASR) Set — Description
573-117-701	3	Lubrication	573-121-400	2	(Receive-Only and Keyboard Send and Receive) — Wiring Diagram
573-117-702	2	Disassembly and Reassembly	573-121-700	6	28 Reperforator and Tape Printer Bases — Adjustments
Appendix 1	2		573-121-701	2	28 Reperforator and Tape Printer Bases — Lubrication
573-117-800	3	28 Automatic Send-Receive Keyboard (LAK) — Parts	573-121-702	1	(Receive Only and Keyboard Send and Receive) — Disassembly and Reassembly
<b>573-118 28 Single Magnet Typing Reperforator</b>			573-121-800	3	28 Receiving-Only Reperforator or Tape Printer Base (LRB) and 28 Receiving-Only Multiple Reperforator Base (LMRB) — Parts
573-118-100	1	Description and Principles of Operation	<b>573-119 28 Single Magnet Nontyping Reperforator</b>		
573-118-400	2	Wiring Diagrams	573-119-400	2	28H Reperforator Unit — Wiring Diagram
573-118-700	8	28 Typing Reperforator and Tape Printer — Adjustments			
573-118-701	4	28 Typing Reperforator and Tape Printer — Lubrication			
573-118-702	2	28 Typing Reperforator and Tape Printer — Disassembly and Reassembly			
Appendix 1	2				
573-118-800	2	28 Typing Reperforator (LPR) and 28 Tape Printer (LTP) Parts			



Number	Issue	Subject	Number	Issue	Subject
<b>573-122 28 Tape Typing Unit</b>			573-127-700	3	28B and 28C — Requirements and Adjustments
573-122-700	1	Requirements and Adjustments	573-127-701	1	28B and 28C — Lubrication
573-122-701	1	Lubrication	573-127-702	2	28B and 28C — Disassembly and Reassembly
573-122-800	1	(LTP) — Parts	573-127-703	5	28E and 28H (LXD) — Adjustments
<b>573-123 28 Tape Teletypewriter Base</b>			573-127-704	2	28E and 28H (LXD) — Lubrication
573-123-700	2	28 Typing Reperator and Tape Printer Keyboards — Adjustments	573-127-705	2	28E and 28H (LXD) — Disassembly and Reassembly
573-123-701	2	28 Typing Reperator and Tape Printer Keyboards — Lubrication	Addendum	1	
573-123-702	1	28 Typing Reperator and Tape Printer Keyboards — Disassembly and Reassembly	573-127-706	3	28F, 28G, 28LA, and 28LB — Requirements and Adjustments
573-123-800	2	28 Send-Receive Reperator Keyboard Base (LTRK) and 28 Send-Receive Tape Printer Keyboard Base (LTPK) — Parts	573-127-707	3	28F, 28G, and 28LB — Lubrication
<b>573-124 28 Tape Teletypewriter Cover</b>			573-127-708	3	28F, 28G, 28LA, and 28LB — Disassembly and Reassembly
573-124-700	1	Requirements and Adjustments	573-127-800	2	(LAXD) — Pivoted Head, Multicontact) — Parts
573-124-701	1	Lubrication	573-127-801	2	28 Transmitter (LX) and 28 Transmitter-Distributor (LXD) Unit — Parts
<b>573-125 28 Reperator-Transmitter Unit</b>			573-127-802	2	28 Two-Shaft Transmitter Distributor (LBXD) — Parts
573-125-400	2	Wiring Diagram	573-127-803	1	28 Transmitter-Distributor (LCXD) — Pivoted and Fixed Heads, Multicontact) — Parts
573-125-700	1	Requirements and Adjustments	<b>573-128 Transmitter-Distributor Bases and 28 Transmitter-Distributor Houses</b>		
573-125-701	1	Lubrication	573-128-100	1	28 Transmitter-Distributor Base for the Automatic Send-Receive (ASR) Set — Description
573-125-702	1	Disassembly and Reassembly	573-128-101	1	28 Transmitter Distributor Bases — (Single Mounting and Multiple Mounting) — Description
573-125-800	1	28 and 35 Reperator Transmitter Base (LRXB) — Parts	573-128-400	1	28 Transmitter-Distributor Base — Wiring Diagram
573-125-801	1	28 and 35 Tape Handling Stand (LTHS) — Parts	573-128-401	1	28 Transmitter-Distributor Housing — Wiring Diagram
<b>573-126 28 Reperator-Transmitter Adapter Unit</b>			573-128-700	1	28 Transmitter Distributor Bases — (Single Mounting and Multiple Mounting) — Adjustments
573-126-400	2	28A and 28B — Wiring Diagram	573-128-701	1	28 Transmitter Distributor Bases — (Single Mounting and Multiple Mounting) — Lubrication
<b>573-127 28 Transmitter-Distributor Unit</b>			573-128-800	3	28 Transmitter-Distributor Base (LCXB) — Parts
573-127-101	1	Description and Principles of Operation			
573-127-400	2	28B and 28C — Wiring Diagram			
573-127-401	1	28E and 28H — Wiring Diagram			
573-127-402	2	28F, 28G, 28LA, and 28LB — Wiring Diagram			

Number	Issue	Subject	Number	Issue	Subject
<b>573-129 28 Transmitter-Distributor Base Answer-Back Mechanism</b>			573-132-702	2	Disassembly and Reassembly
573-129-700	4	Requirements and Adjustments	573-132-800	1	28 Sequence Selector (LS) — Parts
573-129-701	2	Lubrication	573-132-801	2	28 Sequence Selector Base (LSB) — Parts
<b>573-130 28 Transmitter-Distributor Mounting and Cover Assemblies</b>			<b>573-133 28 Electrical Service Units</b>		
573-130-400	4	28G and 28H — Wiring Diagram	573-133-100	1	Description and Principles of Operation
573-130-800	2	28 Two-Shaft Transmitter Distributor Base (LBXB) and Multiple Transmitter Base (LMBX) — Parts	573-133-400	2	Wiring Diagram
573-130-801	1	28 Transmitter-Distributor Cover (LBXC) and Cabinet (AC — Table Type) — Parts	573-133-700	2	Adjustments
573-130-802	2	28 Transmitter or Transmitter-Distributor Base (LXDB) and 28 Multiple Transmitter-Distributor Base (LMBX) — Parts	573-133-701	2	Lubrication
573-130-803	2	28 Transmitter or Transmitter-Distributor Cover (LXDC) and 28 Table (LT) — Parts	573-133-702	2	Disassembly and Reassembly
<b>573-131 28 Distributor</b>			Appendix 1	2	
573-131-100	1	28 Multiple Wire Distributor — Description and Principles of Operation	573-133-800	2	(LESU) — for Keyboard Send-Receive and Receive-Only Sets — Parts
573-131-400	5	28 Multiple Wire Distributor — Wiring Diagram	Appendix 1	2	
573-131-700	3	Requirements and Adjustments	573-133-801	2	(LESU) for Reperforators — Parts
573-131-701	3	28 Multiple Wire Distributor — Lubrication	Appendix 1	2	
573-131-800	2	28 Multiple Wire Distributor (LD) — Parts	573-133-802	3	(LESU) — for Automatic Send-Receive Sets — Parts
573-131-801	2	28 Multiple Wire Distributor — Early Design (LD) — Parts	Appendix 1	3	
<b>573-132 28 Sequence Selector Unit and Base</b>			573-133-803	1	(LESU) for Sequence Selector — Parts
573-132-100	1	28 Sequence Selector — Description and Operating Principles (as used in 83B1 Selective Calling Systems)	Appendix 1	1	
573-132-400	2	28 Sequence Selector Unit — Wiring Diagram	573-133-804	2	(LESU) For Wall Mounted KSR/RO — Parts
573-132-700	4	Requirements and Adjustments	<b>573-134 28 Teletypewriter Cabinets</b>		
573-132-701	3	Lubrication	573-134-100	1	Description
			573-134-101	1	Automatic Send-Receive (ASR) Sets — Description
			573-134-400	1	Wiring Diagram
			573-134-700	6	For KSR and RO Sets — Adjustments
			573-134-701	3	For KSR and RO Sets — Lubrication
			573-134-702	2	For KSR and RO Sets — Disassembly and Reassembly
			573-134-703	1	28 Cabinet for Automatic Send-Receive — Adjustments
			573-134-800	3	28 Console and Table Model Cabinets (LAC) and 28 Table (LT) — Parts

Number	Issue	Subject	Number	Issue	Subject
573-134-801	2	28 Skintight Cover (LPC) — KSR/RO — Parts	573-137-701	1	28 and 35 Base for Receiving Selector and Multiple Wire Distributor — Lubrication
573-134-802	2	28 Automatic Send-Receive Cabinets (LAAC) — Parts	573-137-800	2	28 and 35 — Parts
573-134-803	1	28 Keyboard With Perforator Cover (LBPC) — Parts	<b>573-138 28 Receiving Selector Unit</b>		
573-134-804	2	28 Wall Mounted Cabinet (LPC) — Parts	573-138-400	1	28A — Wiring Diagram
<b>573-135 28 Typing Reperforator Cabinets, Tables, and Covers</b>			573-138-800	2	28 and 35 (LRS) — Parts
573-135-100	1	Description	<b>573-139 28 Tape Perforator and Typing Tape Perforator (Typing and Nontyping Perforators)</b>		
573-135-400	1	Wiring Diagram	573-139-100	1	Description and Principles of Operation
573-135-700	2	28 Reperforator and Tape Printer Covers — Adjustments	Addendum	2	
573-135-701	2	28 Reperforator and Tape Printer Covers — Lubrication	573-139-700	1	Adjustments
573-135-800	2	28 Receiving-Only Reperforator or Tape Printer Cover (LRC), 28 Send-Receive Reperforator or Tape Printer Cover (LSRC), 28 Reperforator or Tape Printer Table (LT) — Parts	573-139-701	1	Lubrication
<b>573-136 28 Apparatus Cabinets</b>			573-139-702	1	Disassembly and Reassembly
573-136-400	1	Wiring Diagram	573-139-800	2	28 Perforator, Non-typing (LPE) and Typing (LTPE) — Parts
573-136-700	3	Requirements and Adjustments	<b>573-144 28 and 35 Multimagnet Nontyping Reperforator Base</b>		
573-136-701	1	Lubrication	573-144-100	1	Description and Principles of Operation
573-136-800	1	(LBAC) (Receiving, Monitoring and Transmitting-Monitoring) — Parts	573-144-700	1	Adjustments
573-136-801	1	(LBAC) (Transmitting and Transmitting-Monitoring) — Parts	573-144-701	1	Lubrication
573-136-802	1	(LBAC) for Reperforator Transmitter Sets — Parts	573-144-800	2	(LARB) — Parts
573-136-803	2	(LBAC) For Multiple Mounted Page Printers — Parts	573-144-801	1	(LARC) — Parts
<b>573-137 28 Mounting and Cover Assembly</b>			<b>573-145 28 Answer-Back Unit</b>		
573-137-100	1	28 and 35 Base for Receiving Selector and Multiple Wire Distributor — Description	573-145-700	1	28 Answer-Back Unit
573-137-400	3	Wiring Diagram	<b>573-6 Radio Frequency Interference (RFI) Suppression</b>		
573-137-700	1	28 and 35 Base for Receiving Selector and Multiple Wire Distributor — Adjustments	<b>573-610 Typing Units</b>		
			① 573-610-100	1	Typing and Nontyping Reperforators — Description and Adjustments
			① 573-610-800	2	Parts
			① 573-610-801	1	Typing and Non-Typing Reperforator — Parts

Number	Issue	Subject
<b>573-611 28 Keyboards and Transmitter Distributors</b>		
● 573-611-100	1	Description
● 573-611-800	2	Features for Low Level Sets — 28 Keyboards and Bases (LK, LTRK, LAK, and LB) — Parts
□● 573-611-801	1	28 Transmitter — Distributor — Parts
<b>573-612 Cabinets</b>		
573-612-100	1	Description
● 573-612-800	2	Features for Low Level Sets — 28 ASR/KSR Cabinet — Parts
<b>573-613 Electrical Service Assemblies</b>		
● 573-613-100	1	Description and Principles of Operation
● 573-613-300	1	Troubleshooting
● 573-613-800	2	Features for Low Level Sets — Electrical Service Assemblies — Parts
● 573-613-801	1	Electrical Service Units — Parts
<b>573-620 Secure Teletypewriter Services</b>		
● 573-620-100	1	Description and Installation
● 573-620-400	1	Wiring Diagram Package
● 573-620-800	1	TP333530 Interface Box Assem- bly for C8M System — Parts

**Division 574****Teletypewriter 30 Series and Teleprinters****574-0 Indexes****574-1 Type 33 Equipment****574-2 Type 35 Equipment****574-3 Type 37 Equipment****574-5 Teleprinters**

Number	Issue	Subject
<b>574-0 Indexes</b>		
574-000-000	37	Numerical Index — Division 574 — Teletypewriter 30 Series and Teleprinters
574-010-100	2	33 and 35 Teletypewriter Sets for EIA and Direct Neutral Interface — Description
574-020-800	1	Keytops for Models 33 and 35 Teletypewriter Sets
<b>574-1 Type 33 Equipment</b>		
<b>574-100 33 KSR, RO, and ASR</b>		
574-100-101	5	General Description and Operation
574-100-201	5	Installation
574-100-301	1	Teletypewriter Sets for No. 1 ESS™-ADF (ADNET) and 85/86 Data Selective Calling Stations — Troubleshooting
574-100-401	5	Wiring Diagrams
574-100-702	2	Removal and Replacement of Components
574-100-800	2	33 Modification Kits for ASR/KSR/RO Sets
<b>574-121 33 Keyboard</b>		
574-121-100	3	Description and Principles of Operation
574-121-700	4	Adjustments

Number	Issue	Subject
574-121-701	3	Lubrication
574-121-702	3	Disassembly and Reassembly
574-121-800	6	(UK) — Parts

**574-122 33 Typing Unit**

574-122-100	3	General Description and Principles of Operation
574-122-700	5	Adjustments
574-122-701	3	Lubrication
574-122-702	4	Disassembly and Reassembly
574-122-800	9	(UP) — Parts

**574-123 33 Call Control Unit**

574-123-100	2	Description and Principles of Operation
574-123-102	1	UCC29 — For EIA and Direct Neutral Interface — Description and Principles of Operation
574-123-800	7	(UCC) — Parts

**574-124 33 Tape Reader**

574-124-100	3	General Description and Principles of Operation
574-124-700	4	Adjustments
574-124-701	3	Lubrication
574-124-702	2	Disassembly and Reassembly
574-124-800	6	(UX) — Parts

**574-125 33 Tape Punch**

574-125-100	3	General Description and Principles of Operation
574-125-700	5	Adjustments
574-125-701	3	Lubrication
574-125-702	2	Disassembly and Reassembly
574-125-800	6	(UPE) — Parts

**574-126 33 Cover**

574-126-100	1	General Description
574-126-700	2	Adjustments
574-126-701	1	Lubrication
574-126-800	6	33 Cover and Table — Parts

Number	Issue	Subject
<b>574-2 Type 35 Equipment</b>		
<b>574-200 Receiving Only (RO)</b>		
574-200-200	1	Page Printed Set — Installation
574-200-300	1	Teletypewriter Set — Service Maintenance (Troubleshooting)
574-200-400	2	Teletypewriter Set — Functional Diagrams and Connecting Information
<b>574-201 Keyboard Send-Receive (KSR)</b>		
574-201-100	5	35 Keyboard Send-Receive (KSR) and Receive-Only (RO) Teletypewriter Sets — Description and Operation
574-201-200	1	35 Send-Receive Page Printer Set — Installation
574-201-300	1	35 Keyboard Send-Receive Teletypewriter Set — Service Maintenance (Troubleshooting)
574-201-400	3	35 Keyboard Send-Receive (KSR) Sets — Actual and Schematic Wiring
Appendix 1	3	35 Keyboard Send-Receive (KSR) Sets — Actual and Schematic Wiring
<b>574-202 Automatic Send-Receive (ASR)</b>		
574-202-100	3	35 Automatic Send-Receive Teletypewriter Set — General Description and Operation
❶ 574-202-102	2	(Offline) For Switching System No. 307 — 35 Offline Tape Preparation Set — 34 Offline Tape Preparation Set With Code Converter and Table — General Description and Operation
❶ 574-202-103	2	(Online) For Switching System No. 307 — General Description and Operation
574-202-200	1	35 Automatic Send-Receive Set — Installation
❶ 574-202-202	2	(Offline) For Switching System No. 307 — 35 Offline Tape Preparation Set — 34 Offline Tape Preparation Set With Code Converter and Table — Installation

Number	Issue	Subject
❶ 574-202-203	2	(Online) For Switching System No. 307 — Installation
574-202-300	1	35 Automatic Send-Receive Teletypewriter Set — Service Maintenance (Troubleshooting)
❶ 574-202-302	1	(Offline) For Switching System No. 307 — 35 Offline Tape Preparation Set — 34 Offline Tape Preparation Set With Code Converter and Table — Service Maintenance — (Troubleshooting)
❶ 574-202-303	1	(Online) For Switching System No. 307 — Service Maintenance — (Troubleshooting)
574-202-400	3	35 Automatic Send-Receive (ASR) Sets — Actual and Schematic Wiring Diagrams
Appendix 1	3	35 Automatic Send-Receive (ASR) Sets — Actual and Schematic Wiring Diagrams
❶ 574-202-402	1	(Offline) For Switching System No. 307 — 35 Offline Tape Preparation Set — 34 Offline Tape Preparation Set With Code Converter and Table — Schematic Wiring Diagrams
❶ 574-202-403	1	(Online) For Switching System No. 307 — Schematic Wiring Diagram

Number	Issue	Subject
<b>574-203 Receiving Only Typing Reperforator Set (ROTR)</b>		
574-203-100	4	35 Receive-Only Typing Reperforator Sets — Description and Operation
574-203-200	2	35 Receive Only Typing Reperforator Set (ROTR) — Installation
574-203-300	1	35 Receive Only Typing Reperforator Set — Trouble Shooting

Number	Issue	Subject
<b>574-204 Keyboard Tape Printer (KTP)</b>		
574-204-100	3	35 Keyboard Send-Receive Tape Printer Teletypewriter Set — Description and Operation
574-204-200	2	35 Tape Printer Set — Installation
574-204-300	2	35 Keyboard Send-Receive Tape Printer Teletypewriter Set (Troubleshooting)

Number	Issue	Subject	Number	Issue	Subject
574-204-400	1	35 Keyboard Tape Printer Teletypewriter Set — Functional Diagrams	574-221-700	7	35 Keyboard and Base for Keyboard Send- Receive and Receive-Only Sets — Adjustments
Appendix 1	1	35 Keyboard Tape Printer Teletypewriter Set — Functional Diagrams	574-221-701	3	35 Keyboard and Base for Keyboard Send- Receive and Receive Only Sets — Lubrication
<b>574-205 Transmitter-Distributor Sets</b>			574-221-702	1	35 Keyboard for Keyboard Send-Receive Set — Disassembly and Reassembly
574-205-100	1	35 Transmitter-Distributor Sets — Description	574-221-800	6	35 Send Receive Keyboard (LK) and Receive-Only Base (LB) — Parts
<b>574-206 35 Edge Punched Card Typing Reperforator Send-Receive Set</b>			<b>574-222 Keyboard for ASR Sets</b>		
① 574-206-100	2	Description and Principles of Operation	574-222-100	5	35 Keyboard for Automatic Send-Receive Sets — General Description and Principles of Operation
① 574-206-200	2	(1A Keyboard Punch) — Installation	574-222-400	3	35 Keyboard for Automatic Send-Receive Sets — Actual Wiring Diagram
① 574-206-300	2	(1A Keyboard Punch) — Checkout and Troubleshooting	574-222-700	7	35 Keyboard for Automatic Send-Receiver Sets — Adjustments
574-206-400	1	Wiring Diagrams	574-222-701	4	35 Keyboard for Automatic Send-Receive Sets — Lubrication
① 574-206-701	1	(1A Keyboard Punch) — Removal and Replacement of Components	574-222-702	1	35 Keyboard for Automatic Send-Receive Sets — Disassembly and Reassembly
<b>574-220 Typing Unit</b>			574-222-800	5	35 Automatic Send-Receive Keyboard (LAK) — Parts
574-220-100	4	35 Typing Unit — General Description and Principles of Operation	<b>574-223 Transmitter-Distributor Base Assembly</b>		
574-220-400	2	35 Typing Unit — Actual Wiring Diagrams	574-223-100	3	35 Tape Reader Bases (for ASR Sets) — Description and Principles of Operation
574-220-700	9	35 Typing Unit — Adjustments	574-223-101	1	Bases for 35 Transmitter-Distributor Sets — Description and Principles of Operation
574-220-701	5	35 Typing Unit — Lubrication	574-223-400	3	35 Transmitter Distributor Base Assembly — Actual Wiring Diagram
574-220-702	1	35 Typing Unit — Disassembly and Reassembly	574-223-700	3	35 Tape Reader Bases (for ASR Sets) — Adjustments and Lubrication
574-220-800	4	35 Typing Unit (LP) — Parts	574-223-702	1	Bases for 35 Transmitter-Distributor Sets — Adjustments and Lubrication
Appendix 1	4	35 Typing Unit (LP) — Parts			
<b>574-221 Keyboard and Base for KSR and RO Sets</b>					
574-221-100	3	35 Keyboard and Base for Keyboard Send- Receive and Receive Only Sets — General Description and Principles of Operation			
574-221-400	2	35 Keyboard and Base for Send-Receive and Receive Only Sets — Actual Wiring Diagrams			

Number	Issue	Subject	Number	Issue	Subject
574-223-800	3	35 Transmitter Distributor Base (LCXB) — Parts	574-226-801	4	35 Electrical Service Unit (LESU) for ASR Sets — Parts
574-223-801	4	35 Transmitter Distributor Base (LXDB) and Cover (LXDC)	574-226-802	3	35 Electrical Service Unit (LESU) (Typing Reperator) — Parts
<b>574-224 Nontyping Reperator</b>			574-226-803	1	35 Electrical Service Unit (LESU) Wall Mounted KSR/RO — Parts
574-224-100	3	35 Non-Typing Reperator — General Description and Principles of Operation	<b>574-227 Call Control Unit</b>		
574-224-700	6	35 Nontyping Reperator — Adjustments	574-227-100	2	35 Call Control Unit — General Description and Principles of Operation
574-224-701	5	35 Non-Typing Reperator — Lubrication	574-227-400	3	35 Call Control Unit — Actual Wiring Diagrams
574-224-702	2	35 Non-Typing Reperator — Disassembly and Reassembly	Appendix 1	3	35 Call Control Unit — Actual Wiring Diagrams
574-224-800	5	35 Non-Typing Reperator (LRPE) — Parts	574-227-800	3	35 Call Control Unit (LCCU) — Parts
<b>574-225 Transmitter-Distributor</b>			<b>574-228 Cabinet for ASR Sets</b>		
574-225-100	2	35 Transmitter Distributor — General Description and Principles of Operation	574-228-100	3	35 Cabinet for Automatic Send-Receive Sets — General Description and Operation
574-225-400	3	35 Transmitter Distributor — Actual Wiring Diagrams	574-228-700	5	35 Cabinet for Automatic Send-Receive Teletypewriter Set — Adjustments
574-225-700	5	35 Transmitter Distributor — Adjustments	574-228-701	2	35 Cabinet for Automatic Send-Receive Teletypewriter Sets — Lubrication
574-225-701	3	35 Transmitter Distributor — Lubrication	574-228-800	5	35 Automatic Send-Receive Cabinet (LAAC) — ASR — Parts
574-225-702	1	35 Transmitter Distributor — Disassembly and Reassembly	<b>574-229 Cabinet for KSR Sets</b>		
574-225-800	4	35 Transmitter Distributor — (LXD-Single Contact Type) — Parts	574-229-100	3	35 Cabinets for Keyboard Send-Receive and Receive Only Sets — General Description and Operation
<b>574-226 Electrical Service Unit</b>			574-229-700	5	35 Cabinets for Keyboard Send-Receive and Receive-Only Sets — Adjustments
574-226-100	4	35 Electrical Service Unit — General Description and Principles of Operation	574-229-701	3	35 Cabinets for Keyboard Send-Receive and Receive Only Sets — Lubrication
574-226-400	3	35 Electrical Service Unit — Actual Wiring Diagrams	574-229-800	4	35 Console and Table Model (LAC) — KSR/RO — Parts
□● 574-226-401	1	Electrical Facilities Used on Off-line ASR Sets for Switching System No. 307 — Actual Wiring Diagrams	574-229-801	1	35 Wall Mounted Cabinet (LPC) KSR/RO — Parts
574-226-800	4	35 Electrical Service Unit (LESU) for KSR and RO Sets — Parts			



Number	Issue	Subject	Number	Issue	Subject
<b>574-230 Receiving Only Typing Reperforator Cover and Keyboard Tape Printer Cover</b>			574-232-703	1	35 Reperforator Bases — Adjustments
574-230-100	3	35 Keyboard Tape Printer Cover — Description, Adjustments, and Lubrication	574-232-704	1	35 Reperforator Bases — Lubrication
574-230-101	1	35 Receive-Only Typing Reperforator Cover — Description and Adjustments	574-232-800	3	35 Tape Printer Keyboard (LTPK) — Parts
574-230-800	3	35 R-O Reperforator Cover (LRC) and 35 S-R Tape Printer Cover (LSRC) — Parts	574-232-801	3	35 Typing Reperforator Base (LRB) — Parts
<b>574-231 Tape Printer</b>			<b>574-233 Typing Reperforator on ROTR</b>		
574-231-100	4	35 Tape Printer — Description and Principles of Operation	574-233-100	5	35 Typing Reperforator — General Description and Principles of Operation
574-231-401	2	35 Tape Printer — Actual Wiring Diagram	574-233-400	3	35 Typing Reperforator — Actual Wiring Diagrams
574-231-700	5	35 Tape Printer — Adjustments	574-233-700	6	35 Typing Reperforator — Adjustments
574-231-701	3	35 Tape Printer — Lubrication	574-233-701	4	35 Typing Reperforator — Lubrication
574-231-702	2	35 Tape Printer — Disassembly and Reassembly	574-233-702	2	35 Typing Reperforator — Disassembly and Reassembly
574-231-802	1	35 Tape Printer (LTP) — Parts	574-233-800	4	35 Typing Reperforator (LPR) and 35 Tape Printer (LTP) — Parts
<b>574-232 Tape Printer Keyboard and Receive Only Typing Reperforator Base</b>			Appendix 1	4	35 Typing Reperforator (LPR) and 35 Tape Printer (LTP) — Parts
574-232-100	3	35 Tape Printer Keyboard — Description and Principles of Operation	<b>574-234 Receiving Only Reperforator Table</b>		
574-232-101	1	35 Reperforator Bases — Description and Principles of Operation	574-234-100	3	35 Receiving Only Reperforator Table — General Description and Principles of Operation
574-232-401	2	35 Tape Printer Keyboard and 35 Receiving Only Typing Reperforator Base — Actual Wiring Diagrams	574-234-400	2	35 Receiving Only Reperforator Table — Actual Wiring Diagrams
① 574-232-402	1	35 Auxiliary Typing Reperforator Base Used in 35 Automatic Send-Receive Teletypewriter Set — (Online) for Switching System No. 307 — Actual Wiring Diagram	574-234-700	3	35 Receiving Only Reperforator Table — Adjustments
574-232-700	4	35 Tape Printer Keyboard — Adjustments	574-234-701	3	35 Receiving Only Reperforator Table — Lubrication
574-232-701	3	35 Tape Printer Keyboard Lubrication	574-234-800	3	35 Reperforator Table (LT) — Parts
574-232-702	2	35 Tape Printer Keyboard — Disassembly and Reassembly	<b>574-235 Answer-Back Assembly</b>		
			574-235-100	3	28 and 35 Answer-Back Unit — Description and Operation
			574-235-200	1	28 and 35 Answer-Back Unit — Installation
			574-235-400	3	35 Answer-Back Assembly — Actual and Schematic Wiring Diagrams

Number	Issue	Subject
574-235-700	6	28 and 35 Answer-Back Unit — Adjustments
574-235-701	5	28 and 35 Answer-Back Unit — Lubrication
574-235-702	1	28 and 35 Answer-Back Unit — Disassembly and Reassembly
574-235-800	4	28 and 35 Answer Back Unit — Parts

**574-236 Tape Reader (Parallel Output)**

574-236-800	2	35 Transmitter (LX) — Parts
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**574-237 Multiple Wire Distributor**

574-237-100	2	35 Multiple Wire Distributor — Description and Principles of Operation
574-237-700	2	35 Multiple Wire Distributor — Adjustments
574-237-701	2	35 Multiple Wire Distributor — Lubrication
574-237-800	3	28 and 35 Multiple Wire Distributor (LD) — Parts

**574-238 Mechanical Code Converter**

❶ 574-238-100	1	For Switching System No. 307 — General Description and Principles of Operation
❶ 574-238-400	1	For Switching System No. 307 — 8-Level Tape to 5-Level Signal — Actual Wiring Diagram
❶ 574-238-700	1	For Switching System No. 307 — Adjustments
❶ 574-238-702	1	For Switching System No. 307 — Disassembly and Reassembly
574-238-800	2	(LXCC) — 8 to 5 Level and Table (LT) — Parts

**574-239 Transmitter-Distributor (Multicontact)**

574-239-100	3	35 Transmitter-Distributor Unit (Multicontact) — Description and Principles of Operation
574-239-700	2	35 Transmitter-Distributor (Multicontact) — Adjustments
574-239-701	2	35 Transmitter-Distributor Unit (Multicontact) — Lubrication
574-239-702	1	35 Transmitter-Distributor (Multicontact) — Disassembly and Reassembly

**574-240 Multimagnet Nontyping Reperforator**

574-240-700	1	35 Multimagnet Nontyping Reperforator
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**574-241 Base for Receiving Selector**

574-241-700	1	35 Base for Receiving Selector and Multiple Wire Distributor
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**574-242 35 Edge Punched Card Reader (Transmitter Distributor)**

❶ 574-242-100	2	Description and Principles of Operation
❶ 574-242-200	2	Installation
574-242-400	1	Wiring Diagrams
❶ 574-242-700	2	Adjustments
❶ 574-242-701	2	Lubrication
❶ 574-242-702	2	Disassembly and Reassembly
❶ 574-242-800	4	(LEXD) — Parts

**574-243 35 Edge Punched Card Punch (Keyboard Typing Reperforator)**

❶ 574-243-100	2	Description and Principles of Operation
574-243-400	1	1A Card Reperforator — Wiring Diagrams
❶ 574-243-700	3	Adjustments
❶ 574-243-701	2	Lubrication
❶ 574-243-702	2	Disassembly and Reassembly
574-243-800	3	Reperforator (LEPR) — Parts

**574-244 35 Edge Punched Card Typing Reperforator Base**

❶ 574-244-100	2	Description and Principles of Operation
574-244-400	1	(2A Base) — Wiring Diagrams
❶ 574-244-700	2	Adjustments
❶ 574-244-701	2	Lubrication
❶ 574-244-702	2	Disassembly and Reassembly
574-244-800	3	Reperforator Base (LEPRB) — Parts

Number	Issue	Subject	Number	Issue	Subject
<b>574-245 35 Edge Punched Card Typing Reperforator Cover</b>			574-301-102	1	General Description
● 574-245-100	2	General Information	574-301-200	2	Installation
574-245-800	2	Reperforator Cover (LEPRC) — Parts	574-301-400	1	For Switched Network Service — Wiring Diagram and Circuit Descriptions
<b>574-246 35 Edge Punched Card Feeder</b>			574-301-702	1	Component Removal and Replacement
● 574-246-200	2	Installation	<b>574-302 37 Automatic Send-Receive Set</b>		
574-246-400	1	Wiring Diagrams	574-302-102	2	General Description
● 574-246-700	2	Adjustments	574-302-200	2	Installation
● 574-246-701	2	Lubrication	574-302-300	1	For Switched Network Service — Troubleshooting
● 574-246-702	2	Disassembly and Reassembly	574-302-301	1	No. 1 ESS-ADF (ADNET) and 85/86 Selective Calling Service — Troubleshooting
● 574-246-800	4	Hopper (EPCF) — Parts	574-302-400	1	For Switched Network Service — Wiring Diagram and Circuit Descriptions
<b>574-247 35 Edge Punched Card Tables</b>			574-302-702	1	Component Removal and Replacement
574-247-100	1	(201A Table) — General Information	<b>574-303 37 ROTR Set</b>		
● 574-247-101	2	General Information	574-303-100	2	Description and Operation
● 574-247-102	1	Equipment Table — General Information	574-303-200	1	Reperforator (ROT) Set — Installation
574-247-400	1	Wiring Diagrams	574-303-300	1	Troubleshooting
● 574-247-800	3	(LEPT) — Parts	574-303-702	1	Removal and Replacement of Components
<b>574-3 Type 37 Equipment</b>			<b>574-320 37 Typing Unit</b>		
<b>574-300 37 Receiving-Only Set</b>			574-320-101	2	37P003 and Up — Description and Principles of Operation
574-300-100	1	For DATAPHONE® Service — General Description and Operation	574-320-400	1	Wiring Diagrams
574-300-102	1	General Description	574-320-700	5	Adjustments
574-300-200	2	Installation	574-320-701	3	Lubrication
574-300-301	1	No. 1 ESS-ADF (ADNET) and 85/86 Selective Calling Service — Troubleshooting	Addendum	1	
574-300-400	1	For Switched Network Service — Wiring Diagram and Circuit Descriptions	574-320-703	2	(P003 and Higher) — Adjustments
574-300-702	1	Removal and Replacement of Components	Addendum	1	
<b>574-301 37 Keyboard Send-Receive Set</b>			574-320-704	2	Lubrication
574-301-100	1	For DATAPHONE Service — General Description and Operation	Addendum	1	
			574-320-705	2	Disassembly and Reassembly
			574-320-800	2	(YP) — Parts
			Appendix 1	2	(YP) — Parts

Number	Issue	Subject	Number	Issue	Subject
574-320-801	5	(YP) — (Late Design 37P003 and Up, Wide Platen 37P101 and Up) — Parts	574-325-400	1	Wiring Diagrams
Appendix 1	5	(YP) — (Late Design 37P003 and Up, Wide Platen 37P101 and Up) — Parts	574-325-700	4	Adjustments
<b>574-321 37 Keyboard and Base</b>			574-325-701	3	Lubrication
574-321-101	2	Description and Principles of Operation	574-325-703	1	Adjustments
574-321-400	1	Wiring Diagram	574-325-704	1	Lubrication
574-321-703	2	37 Keyboard — Adjustments	574-325-800	1	Parts
574-321-704	2	37 Keyboard Unit — Lubrication	574-325-801	2	(YAB)
574-321-705	2	37 Keyboard Unit — Disassembly and Reassembly	<b>574-326 37 Teletypewriter Cover</b>		
574-321-801	5	37 Keyboard (YK) — Parts	574-326-101	2	37 Typing Unit Cover and Pan — Description and Operation
<b>574-322 37 Electrical Service Unit</b>			574-326-102	1	37 Receive-Only — Typing Reperforator (ROTR) Cover — Description and Operation, Adjustments and Lubrication
574-322-101	1	Description and Operation	574-326-703	2	37 Typing Unit Cover and Pan — Adjustments
574-322-102	1	YESU 823, 825, 827, 829 — Description and Operation	574-326-704	2	37 Typing Unit Cover and Pan — Lubrication
574-322-104	1	YESU 803, 806, 814, 815, 823, and 826 — Description and Operation	574-326-801	4	37 Page Printer Cover (YPC) — Parts
Addendum	1		574-326-802	2	37 Reperforator Cover (YRC) — Parts
574-322-400	1	Wiring Diagrams	<b>574-327 37 Tape Cabinet (YAC)</b>		
574-322-801	5	(YESU) — Parts	574-327-100	2	Description and Operation
Appendix 1	5	(YESU) — Parts	574-327-700	1	Adjustment
<b>574-323 37 Teletypewriter Table</b>			574-327-701	1	Lubrication
574-323-101	2	Description and Operation	574-327-800	4	Apparatus Parts
574-323-102	1	37 Receive-Only — Typing Reperforator (ROTR) Table — Description, Adjustments, and Lubrication	<b>574-329 Nontyping Reperforator</b>		
574-323-703	2	Adjustments	574-329-100	1	Description and Principles of Operation
574-323-801	5	(YT) — Parts	574-329-101	1	37 — YRPE808 and 809 — Description and Principles of Operation
574-323-802	2	37 Reperforator Table (YT) — Parts	574-329-400	1	37 Reperforators — Wiring Diagrams
<b>574-325 37 Answer-Back Unit</b>			574-329-700	2	37 — Adjustments
574-325-100	2	Description and Principles of Operation	574-329-702	1	Disassembly and Reassembly
574-325-101	1	(Y AB802) Description and Principles of Operation	Addendum	1	
			574-329-703	1	YRPE 808 and 809 — Adjustments
			574-329-704	1	37 — YRPE808 and YRPE809 — Lubrication
			574-329-705	1	37 YRPE808 and 809 — Disassembly and Reassembly

Number	Issue	Subject	Number	Issue	Subject
574-329-800	2	(YRPE) — Parts	574-500-102	2	43 Teleprinter 8-Level Buffered Selected Calling (BSC) Station — General Description
Appendix 1	2	(YRPE) — Parts			
Appendix 2	2	(YRPE) — Parts			
574-329-801	3	37 Non-Typing Reperforator (YRPE) (Late Design YRPE 808 and Up)	574-500-103	2	43 Teleprinter 5-Level Buffered Selective Calling (BSC) Station — General Description
Appendix 1	3	37 Non-Typing Reperforator (YRPE) (Late Design YRPE 808 and Up)	① 574-500-150	1	Engineering Specification
			574-500-200	6	43 Basic Teleprinter — Installation and Removal
			574-500-201	2	43 Teleprinter 8-Level Buffered Send/Receive (BSR) Station — Installation and Removal
<b>574-330 37 Reperforator</b>			574-500-202	2	43 Teleprinter 8-Level Buffered Selective Calling (BSC) Station — Installation and Removal
574-330-100	1	Description and Principles of Operation	574-500-203	2	43 Teleprinter 5-Level Buffered Selective Calling (BSC) Station — Installation and Removal
574-330-400	1	Wiring Diagrams	574-500-210	5	43 Teleprinter — Engineering Options
Addendum	1		574-500-300	3	43 Basic KSR Teleprinter — Troubleshooting
574-330-700	2	Adjustments	574-500-301	2	43 Basic RO Teleprinter — Troubleshooting
574-330-701	2	Lubrication	574-500-302	2	43 Teleprinter 8-Level Buffered Send/Receiver (BSR) Station — Troubleshooting
574-330-702	2	Disassembly and Reassembly	574-500-303	1	43 Teleprinter 8-Level Buffered Selective Calling (BSC) Station — Troubleshooting
574-330-800	4	(YPR) — Parts	574-500-304	2	43 Teleprinter 5-Level Buffered Selective Calling (BSC) Station — Troubleshooting
Appendix 1	4	(YPR) — Parts	574-500-400	3	43 Basic Teleprinter — Wiring
			574-500-401	1	43 Buffered KSR Teleprinter — Wiring
<b>574-331 37 Bases</b>			574-500-500	3	43 Basic KSR Teleprinter — Testing
574-331-100	2	Typing Unit Base — Description and Operation, Adjustments, Lubrication, and Disassembly and Reassembly	574-500-501	2	43 RO Teleprinter — Testing
574-331-101	1	Receive-Only Typing Reperforator Base — Description and Operation, Adjustments and Lubrication	574-500-502	2	43 Teleprinter 8-Level Buffered Send/Receive (BSR) Station
574-331-400	1	Wiring Diagrams	574-500-503	2	43 Teleprinter 8-Level Buffered Selective Calling (BSC) Station — Testing
574-331-800	4	(YB) — Parts	574-500-504	3	43 Teleprinter 5-Level Buffered Selective Calling (BSC) Station — Testing
574-331-801	3	(YRB) — Parts	574-500-720	4	43 Teleprinter — Disassembly/Reassembly
<b>574-332 37 Paper Winder</b>					
574-332-100	1	For Friction Feed Sets			
574-332-400	1	Wiring Diagram			
574-332-800	2	Parts			
<b>574-5 Teleprinters</b>					
<b>574-500 43 KSR Station</b>					
574-500-100	4	43 Teleprinter Basic — General Description			
574-500-101	2	43 Teleprinter 8-Level Buffered Send/Receive (BSR) Station — General Description			

Number	Issue	Subject	Number	Issue	Subject
574-500-750	4	43 Teleprinter — Routine Maintenance	574-504-200	1	Installation and Removal
574-500-800	5	43 Teleprinter — Parts	574-504-300	2	Troubleshooting
<b>574-501 43 Printer</b>			574-504-400	1	Wiring
574-501-300	4	Friction and Sprocket Feed Printer — Troubleshooting	574-504-500	1	Testing
574-501-301	1	43 Tractor Feed Printer — Troubleshooting	574-504-720	1	Disassembly/Reassembly
574-501-400	4	Wiring	574-504-750	1	Routine Maintenance
574-501-700	4	Adjustments and Spring Tensions	574-504-800	1	Parts
574-501-701	1	43-Tractor Feed Printer — Adjustments and Spring Tensions	<b>574-505 43 Teleprinter 5-Level Paper Tape Punch Assembly</b>		
574-501-710	4	Lubrication	574-505-300	1	Punch Assembly — Troubleshooting
574-501-711	1	43 Tractor Feed Printer — Lubrication	574-505-400	1	Wiring
574-501-720	4	43 Friction and Sprocket Feed Printer — Disassembly/Reassembly	574-505-700	1	Adjustments and Spring Tensions
574-501-721	1	43 Tractor Feed Printer — Disassembly/Reassembly	574-505-710	1	Lubrication
574-501-800	4	Parts	574-505-720	1	Disassembly/Reassembly
574-501-801	1	43 Tractor Feed Printer — Parts	574-505-800	1	Parts
<b>574-502 43 Keyboard</b>			<b>574-506 43 Teleprinter 5-Level Paper Tape Reader Assembly</b>		
574-502-300	4	43 Basic Keyboard — Troubleshooting	574-506-300	1	Troubleshooting
574-502-301	1	43 Buffered Keyboard — Troubleshooting	574-506-400	1	Wiring
574-502-400	4	43 Basic Keyboard — Wiring	574-506-700	1	Adjustments and Spring Tensions
574-502-401	1	43 Buffered Operator Console — Wiring	574-506-710	1	Lubrication
574-502-720	5	43 Keyboard — Disassembly/Reassembly	574-506-720	1	Disassembly/Reassembly
574-502-800	5	43 Keyboard — Parts	574-506-800	1	Parts
<b>574-503 Enclosures and Paper Handling</b>			<b>574-507 43 Teleprinter 5-Level Paper Tape Motor Area</b>		
574-503-700	3	43 Enclosures and Paper Handling — Adjustments	574-507-400	1	Wiring
574-503-800	4	43 Enclosures and Paper Handling — Parts	574-507-700	1	Adjustments
<b>574-504 43 Teleprinter 5-Level Paper Tape Unit</b>			574-507-720	1	Disassembly/Reassembly
574-504-100	2	General Description	574-507-800	1	Parts
			<b>574-508 43 Teleprinter 5-Level Paper Tape Power Supply</b>		
			574-508-300	1	Troubleshooting
			574-508-400	1	Wiring
			574-508-700	1	Adjustments
			574-508-720	1	Disassembly/Reassembly
			574-508-800	1	Parts

Number	Issue	Subject
<b>574-509 43 Teleprinter 5-Level Paper Tape Handling and Enclosures</b>		
574-509-400	1	Wiring
574-509-700	1	Adjustments and Spring Tensions
574-509-800	1	Parts
<b>574-510 43 Teleprinter 5-Level Paper Tape Rear Frame and Miscellaneous</b>		
574-510-400	1	Wiring
574-510-800	1	Parts
<b>574-550 1000 (KSR/RO)</b>		
574-550-100	1	Description
574-550-200	1	Installation
574-550-300	1	Maintenance

**Division 578**

**Miscellaneous Data Terminals**

**578-0 Indexes**

**578-1 Communication Display Terminals (CDT)**

**578-2 Parity Failure Detector**

**578-3 DATASPEED® Magnetic Tape**

**578-4 Peripheral Data Terminal Equipment**

**578-5 Printing Terminals**

Number	Issue	Subject
<b>578-0 Indexes</b>		
578-000-000	41	Numerical Index — Division 578 — Miscellaneous Data Terminals

**578-1 Communications Display Terminals (CDT)**

578-160-100	1	VU SET* DS150A Data Terminal — Description, Installation, and Maintenance
578-160-101	1	VU SET DS150C Data Terminal and Alphanumeric Keyboard — Description and Operation
578-160-102	1	VU SET DS150C Data Terminal — Description, Installation, and Operation
578-160-103	1	VU SET Alphanumeric Keyboard (For Use With VU SET DS150C Data Terminal) — Description, Installation, Operation, and Maintenance
578-160-104	1	VU SET Dual Tone Multi-Frequency (DTMF) System — Description and Operation
578-160-105	1	VU SET DS150C Data Terminal — Maintenance

\* VU SET is a registered trademark of Citicorp North America, Inc.

Number	Issue	Subject
<b>578-3 DATASPEED® Magnetic Tape</b>		
578-300-100	4	General Description
578-300-701	3	Cabinets — Adjustments
578-300-702	3	Removal and Replacement of Components
578-300-703	3	Disassembly and Reassembly
578-300-800	4	(DMAC, DMAM, DMT, DME) — Parts

**578-4 Peripheral Data Terminal Equipment**

**578-400 Communications Storage Unit**

578-400-100	2	COMM-STOR* II — Description and Operation
578-400-101	1	COMM-STOR II — Equipped With 8A1/8B1 Protocol Option — Description and Operation
578-400-102	1	COMM-STOR II — Station Message Detail Recording (SMDR) Feature — Description and Operation
578-400-103	1	Line Control Unit (LCU) — Description and Operation — COMM-STOR II — Installation Procedures
578-400-201	1	COMM-STOR II — Installation Procedures for 8A1/8B1 Protocol Option
578-400-202	1	COMM-STOR II Communication Storage Unit — Station Message Detail Recording (SMDR) Feature — Installation Procedures
578-400-203	1	Line Control Unit (LCU) — Installation Procedures — COMM-STOR II Communications Storage Unit
578-400-400	2	COMM-STOR II — Wiring Diagrams
578-400-500	3	COMM-STOR II — Testing and Troubleshooting Procedures
578-400-501	1	COMM-STOR II — Equipped With 8A1/8B1 Protocol Option — Testing and Troubleshooting Procedures

\* COMM-STOR is a registered trademark of Sykes Datatronics, Inc.



<b>Number</b>	<b>Issue</b>	<b>Subject</b>
578-400-502	1	COMM-STOR II — Station Message Detail Recording (SMDR) Feature — Testing and Troubleshooting Procedures
578-400-503	1	Line Control Unit (LCU) — Test and Troubleshooting Procedures — COMM-STOR II Communications Storage Unit
578-400-700	2	COMM-STOR II — Disassembly and Reassembly and Parts
578-400-750	2	COMM-STOR II — Routine Maintenance Procedures

**Division 579**

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**Teletypewriter Field Maintenance Practices/ Field  
Installation Maintenance Practices**

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**579-0 Index and General**

**579-2 Models 33 and 35 Teletypewriters**

**579-4 Model 37 Teletypewriter**

**579-5 DATASPEED® Services**

Number	Issue	Subject
<b>579-0 Index and General</b>		
579-000-000	19	Numerical Index — Division 579 — Teletypewriter — Field Maintenance Practices/Field Installation Maintenance Practices
<b>579-5 DATASPEED Services</b>		
<b>579-504 Magnetic Tape</b>		
579-504-350	4	Terminal for DATAPHONE® Service
<b>579-505 DATASPEED 40</b>		
579-505-352	2	Field Installation Maintenance Practice BISP — DATASPEED 40 Terminals FIMP Station Arrangements

**Division 580****Teletypewriter Switching Systems****580-0 General Information, General Instructions, and Indexes 81-Type Teletypewriter Switching Systems****580-3 No. 1 ESS™ ADF — Half Duplex and Full Duplex**

Number	Issue	Subject
<b>580-0 General Information, General Instructions, and Indexes</b>		
580-000-000	7	Numerical Index — Division 580 — Teletypewriter Switching Systems
<b>580-1 81-Type Teletypewriter Switching Systems</b>		
580-100-400	2	Tables Used With 81-Type Teletypewriter Switching Systems — Wiring Diagram
580-100-500	3	Outlying Stations — Station Performance Tests
580-101-100	2	81D1 — Description
580-101-101	2	Improvements in 81D1 Teletypewriter Switching System Including 100 Speed Operation — Description
580-101-102	1	81D1 — Sequential Selector Unit — BS6L Mechanical Timer and Function Shaft Cycle Timing
580-101-300	2	81D1 — Instructions for Patching Circuit Units and Machines at Switching Centers
❶ 580-101-400	3	81D1 — Station Control Circuit and SOTUS Unit — Relay Functions
580-101-401	1	81D1 — Switching Center Circuits — Theory Schematics
580-101-402	3	81D1 — BS6L Sequential Selector — SOTUS Lever Arrangement and Assembly
580-101-500	1	81D1 — Testing and Maintenance Procedures

Number	Issue	Subject
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**580-3 No. 1 ESS™-ADF — Half-Duplex and Full Duplex**

NOTE: (Due to its limited need, 580-3, which is being released on this BSPM, will not be given distribution on standing orders. Locations requiring these sections should place a regular one-time order for them.)

❶ 580-301-100	1	Half-Duplex 100-Word Per Minute Data Station — Using 4-Row Teletypewriters — Description and Operation
❶ 580-301-101	1	Full-Duplex — 100-Word Per Minute Data Station — Using 4-Row Teletypewriters — Description and Operation
❶ 580-301-102	1	Half-Duplex — 150-Word Per Minute Data Station — Using 4-Row Teletypewriters — Description and Operation
❶ 580-301-200	1	Half-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriters — Installation
❶ 580-301-201	1	Full-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriters — Installation
❶ 580-301-202	1	Half-Duplex — 150 Word Per Minute Data Station — Using 4-Row Teletypewriters — Installation
❶ 580-301-300	1	Half-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriters — Maintenance
❶ 580-301-301	1	Full-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriters — Maintenance
❶ 580-301-302	1	Half-Duplex — 150 Word Per Minute Data Station — Using 4-Row Teletypewriters — Maintenance
❶ 580-301-400	1	Half-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriters — Wiring
❶ 580-301-401	1	Full-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriters — Wiring
❶ 580-301-402	1	Half-Duplex — 150 Word Per Minute Data Station — Using 4-Row Teletypewriters — Wiring

Number	Issue	Subject
● 580-301-500	1	Half-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriters — Test Procedures
● 580-301-501	1	Full-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriters — Test Procedures
● 580-301-502	1	Half-Duplex — 150 Word Per Minute Data Station — Using 4-Row Teletypewriters — Test Procedures
● 580-301-700	1	Half-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriter — Disassembly and Reassembly
● 580-301-701	1	Full-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriter — Disassembly and Reassembly
● 580-301-702	1	Half-Duplex — 150 Word Per Minute Data Station Using ASCII Code — Disassembly and Reassembly

**Division 581****Teletypewriter Selective Calling Systems****581-0 Index****581-1 Teletypewriter**

- 100 83B Type Teletypewriter Selective Calling System
- 120 8A1 and 8B1 Data Selective Calling System
- 121 8A1 Data Selective Calling System — Line Control
- 122 8A1 and 8B1 Data Selective Calling-Station Sets
- 123 9100 Teletypewriter Selective Calling Stations
- 124 8A1 Selective Calling Systems — 9140 Station Controller
- 125 9100 Teletypewriter Selective Calling Services/ Systems Description
- 130 85A Data Selective Calling
- 131 85A1 and 85A2 Data Selective Calling System — Outlying Station
- 136 86 Type Data Selective Calling Service

**581-8 Miscellaneous Systems**

Number	Issue	Subject
<b>581-0 Index</b>		
581-000-000	40	Numerical Index — Division 581 — Teletypewriter Selective Calling Systems
<b>581-1 Teletypewriter Selective Calling Systems</b>		
<b>581-100 83B Type Teletypewriter Selective Calling System</b>		
581-100-100	2	83B1 — Description and Operating Principles
581-100-101	1	Pushbutton Calling Circuit for the 83B1 Teletypewriter Selective Calling System — Description and Operating Principles
581-100-102	1	83B2 — Description and Operating Principles
581-100-103	1	83B3 — General Description
581-100-104	1	83B3 — Description of Interface Connection to a Customer-Owned Business Machine

Number	Issue	Subject
581-100-500	2	83B1 and 83B2 — Operating Tests
581-100-501	1	83B3 — Overall Test Procedures

**581-120 8A1 and 8B1 Data Selective Calling System**

581-120-100	3	8A1 (Half Duplex) — General Description and Operation
Addendum	1	
581-120-101	1	8B1 (Full Duplex) — General Description and Operation

**581-121 8A1 Data Selective Calling System — Line Controller**

581-121-100	2	35A Line Controller — General Description and Principles of Operation
581-121-200	2	35A Line Controller — Installation
581-121-400	2	35A Line Controller — Wiring Diagrams
581-121-700	2	35A Line Controller — Adjustments
581-121-701	2	35A Line Controller — Lubrication
581-121-800	1	Cabinet (LAC) and Electrical Components — Parts

**581-122 8A1 and 8B1 Data Selective Calling — Station Sets**

Addendum	3	
581-122-100	2	8A1 — General Description and Principles of Operation
Addendum	1	
581-122-101	1	8B1 — General Description and Principles of Operation
Addendum	1	
581-122-200	1	8A1 and 8B1 — Installation and Checkout
Addendum	1	
581-122-300	1	8A1 and 8B1 — Trouble Shooting
Appendix 1	1	
581-122-400	2	8A1 and 8B1 — Wiring Diagrams
581-122-800	1	8A1 and 8B1 — 198400 HF Station Controller Assembly — Parts

Number	Issue	Subject
<b>581-123 9100 Teletypewriter Selective Calling Stations</b>		
581-123-105	2	9131 — Description and Operation
581-123-205	2	9131 — Installation
581-123-305	2	9131 — Maintenance
581-123-505	2	9131 — Test Procedures
581-123-800	2	9130 and 9131 Station Controller — Parts
Appendix 1	2	
581-123-801	1	9140 and 9141 Station Controller — Parts

Number	Issue	Subject
<b>581-124 8A1 Selective Calling Systems — 9140 Station Controller</b>		
581-124-100	1	General Description and Operation
581-124-110	1	Description and Principles of Operation
581-124-200	1	Installation
581-124-300	1	Checkout and Troubleshooting

Number	Issue	Subject
<b>581-125 9100 Teletypewriter Selective Calling Services/Systems Description</b>		
581-125-105	1	581-125-105 1

Number	Issue	Subject
<b>581-130 85A Data Selective Calling Service — System</b>		
581-130-100	2	85A1 and 85A2 — Description
581-130-300	2	System Maintenance

Number	Issue	Subject
<b>581-131 85A1 and 85A2 Data Selective Calling System — Outlying Station</b>		
581-131-100	3	85A1 — 100-Word Per Minute Half-Duplex Operation — Description and Operation
581-131-101	2	85A2 — 150-Word Per Minute Half-Duplex Operation — Description and Operation
581-131-102	2	Stations Using Data Auxiliary Sets — 820J and 820L Controllers — Description and Operation
581-131-200	3	85A1 — 100-Word Per Minute Half-Duplex Operation — Installation
581-131-201	2	85A2 — 150-Word Per Minute Half-Duplex Operation — Installation

Number	Issue	Subject
581-131-202	2	Stations Using Data Auxiliary Sets — 820J and 820L Controllers — Installation
581-131-300	4	85A1 — 100-Word Per Minute Half-Duplex Operation — Maintenance
581-131-301	3	85A2 — 150-Word Per Minute Half-Duplex Operation — Maintenance
581-131-302	2	Stations Using Data Auxiliary Sets — 820J and 820L Controllers — Maintenance
581-131-500	4	85A1 — 100-Word Per Minute Half-Duplex Operation — Test Procedures
581-131-501	3	85A2 — 150-Word Per Minute Half-Duplex Operation — Test Procedures
581-131-502	2	Stations Using Data Auxiliary Sets — 820J and 820L Controllers — Test Procedures

**581-136 86 Type Data Selective Calling Service**

Number	Issue	Subject
581-136-100	1	86A1 — 100-Word Per Minute Data Stations — Description and Operation
581-136-101	1	86A2 — 150-Word Per Minute Data Stations — Description and Operation
581-136-102	1	86B1 — 100-Word Per Minute Data Stations — Description and Operation
581-136-103	1	86B2 — 150-Word Per Minute Data Stations — Description and Operation
581-136-200	1	86A1 — 100-Word Per Minute Data Stations — Installation
581-136-201	1	86A2 — 150-Word Per Minute Data Stations — Installation
581-136-202	2	86B1 — Full-Duplex — 100-Word Per Minute Data Station — Installation
581-136-203	2	86B2 — Full-Duplex — 150-Word Per Minute Data Station — Installation
581-136-300	2	86A1 — Half-Duplex — 100-Word Per Minute Data Station — Maintenance
581-136-301	2	86A2 — Half-Duplex — 150-Word Per Minute Data Station — Maintenance

Number	Issue	Subject
581-136-302	2	86B1 — Full-Duplex — 100-Word Per Minute Data Station — Maintenance
581-136-303	2	86B2 — Full-Duplex — 150-Word Per Minute Data Station — Maintenance
581-136-500	2	86A1 — 100-Word Per Minute Data Station — Test Procedure
581-136-501	2	86A2 — 150-Word Per Minute Data Station — Test Procedure
581-136-502	2	86B1 — Full-Duplex — 100-Word Per Minute Data Station — Test Procedure
Addendum	1	
581-136-503	2	86B2 — Full-Duplex — 150-Word Per Minute Data Station — Test Procedures

#### 581-8 Miscellaneous Systems

❶	581-803-500	1	Telegraph — Office Responsibilities — Operating and Testing Procedures for Teletypewriter Circuits Using Fast Interline Non-Printing Activate Control
❶	581-803-501	1	Fast Interline Non-Printing Activate Control (FINAC) Master Station Transmitter Control Arrangement — Description, Operation and Test Procedures
❶	581-803-502	1	Fast Interline Non-Printing Activate Control (FINAC) Outlying Station Control Circuit EA12616 — Description, Operation, and Test Procedures
	581-803-503	1	Fast Interline Non-Printing Activate Control (FINAC) Outlying Station Control Circuit EA12944 — Description, Operation, and Test Procedures

**Division 582**

**Data Communications Equipment Systems, Services, and Components**

**582-0 Index and General**

- 000 Index
- 001 General

**582-1 Papertapes**

- 100 Types 1 and 2 — DATASPEED® Tape-to-Tape System
- 101 Type 4 — High Speed DX Type Tape Reader
- 102 Type 5 — DATASPEED Tape-to-Tape System

**582-2 DATASPEED 40**

- 200 Stations
- 210 Printers
- 211 Operator Console — KD and RO
- 212 Cabinets and Facilities
- 213 Display Monitor
- 214 PS101 Power Supply
- 220 Communications Processor

**582-3 DATASPEED 45**

- 300 4540 Station Arrangements
- 305 E4544LCC Controller
- 306 Printer Types
- 311 Operator Console — 4500 Keyboards — 45K301 Type
- 312 4500 Cabinets, Tables, and Facilities

**582-4 Printers/Typewriters**

- 403 Printer Types
- 442 620, 621, and 622 Printers
- 445 602 Dot Matrix Printer

**582-5 PARADYNE® Data Communications Equipment**

- 510 Network Access Devices
- 511 Channel Service Units (CSU)

**582-6 DATASPEED 44**

- 600 Terminals — Display, Personal, and Multi-Tasking Graphics

**582-9 Miscellaneous Terminals**

**-900 DATASPEED Magnetic Tape Set**

**-901 Asynchronous HORIZON® 51 H BCT**

Number	Issue	Subject
<b>582-0 Index and General</b>		
<b>582-000 Index</b>		
582-000-000	96	Numerical Index — Division 582 — Data Communications Equipment — Systems, Services and Components
<b>582-001 General</b>		
<b>DATASPEED 40</b>		
582-001-100	2	EIA Data Terminal Switch Assembly — Description and Principles of Operation
582-001-101	2	Answer-Back for DATASPEED Terminals — Descriptions and Principles of Operation
582-001-200	1	EIA Data Terminal Switch Assembly — Installation
582-001-201	2	Answer-Back for DATASPEED Terminal — Installation
582-001-202	2	Environmental Enclosures — Installation and Maintenance
582-001-204	1	Noise Reducing Cabinet for DATASPEED Printer Installation, Maintenance, Wiring, and Parts
<b>582-002 Paper Handling Equipment</b>		
582-002-103	4	Paper Winder — 40PWU101 and 40PWU102
<b>582-1 Papertapes</b>		
<b>582-100 Types 1 and 2 — DATASPEED Tape-to-Tape System</b>		
582-100-101	3	Type 1 and Type 2 Tape Senders and Receivers Electronic Circuitry — General Description and Principles of Operation
582-100-102	1	TP199610 Send-Receive Terminal Modification Kit ("Y" Cable)
Addendum	1	
582-100-215	4	Type 1 and Type 2 Tape Senders and Receivers — Installation and Checkout



Number	Issue	Subject	Number	Issue	Subject
582-100-315	4	Type 2 Tape Senders and Receivers — Troubleshooting	582-200-105 IS	3	Asynchronous DATASPEED 4420 KD/KDP Stations — Description and Operation
582-100-415	3	Power Supply 1A for Type 2 Tape Senders and Receivers — Description, Troubleshooting, and Wiring Diagrams	582-200-107 IS	2	Asynchronous DATASPEED 4430 KD Stations — Description and Operation
582-100-515	1	Type 2 Senders and Receivers — Test Procedures — With a DTC Using a DATASPEED Test Set	● 582-200-112	1	Integrated ROP Station Arrangements — Detailed Description
582-100-810	1	High Speed Tape Reader (CX), Cover (CXC), and Base (CXB)	582-200-200	1	DATASPEED 40/0 and 40/1 Sets and Stations — Installation
<b>582-101 Type 4 — High Speed DX Type Tape Reader</b>			Addendum	1	
582-101-711	1	Lubrication	582-200-202	2	Teletypewriter Compatible DATASPEED 40/2 — Installation
582-101-712	1	Disassembly and Reassembly	582-200-203	1	DATASPEED 40 With 9140 Station Controller — Installation
<b>582-102 Type 5 — DATASPEED Tape-to-Tape System</b>			582-200-204 IS	4	Integrated Asynchronous DATASPEED 40 — Receive-Only Printer Station — Installation
582-102-115	4	Tape Senders 5A and 5C — Description and Operation	582-200-206 IS	3	Asynchronous DATASPEED 4420 KD/KDP Stations — Installation
582-102-120	4	Tape Receiver 5B — Description and Operation	582-200-207 IS	2	Asynchronous DATASPEED 4430 KD Stations — Description and Operation
582-102-215	4	Tape Senders 5A and 5C — Installation and Checkout	582-200-217	1	DATASPEED 40 Noise Reduced Feature for Friction Feed Printer Sets
582-102-220	4	Tape Receiver 5B — Installation and Checkout	Appendix 1	1	DATASPEED 40 Noise Reduced Feature for Friction Feed Printer Sets
582-102-315	4	Tape Senders 5A and 5C — Troubleshooting	582-200-290	2	Station and Component — Installation
582-102-320	4	Tape Receiver 5B — Troubleshooting	582-200-400	1	DATASPEED 40/0 and 40/1 Sets and Stations — Wiring
582-102-720	5	Tape Receiver 5B — Adjustment, Lubrication, Remove, and Replacement of Components	582-200-402	2	Teletypewriter Compatible DATASPEED 40/2 — Wiring Diagrams
<b>582-2 DATASPEED 40</b>			582-200-403	1	DATASPEED 40/3 With 9140 Station Controller — Wiring Diagrams
<b>582-200 Stations</b>			582-200-404 IS	3	Integrated Asynchronous Receive-Only Printer Station — Wiring Diagrams
582-200-001	1	Synchronous DATASPEED 40/4 — System Description	582-200-406 IS	2	Asynchronous DATASPEED 4420 KD/KDP Stations — Wiring Diagrams
582-200-100	1	DATASPEED 40 Station for DATAPHONE® Service — Description	582-200-407 IS	2	Asynchronous DATASPEED 4430 KD Stations — Description and Operation
582-200-102	1	Teletypewriter Compatible DATASPEED 40/2 — Description and Operation	582-200-500	1	DATASPEED 40/0 and 40/1 Sets and Stations — Testing and Troubleshooting
582-200-104 IS	4	Integrated Asynchronous DATASPEED 40 — Receive-Only Printer Station — General Description			

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		Addendum	1	
582-200-502	2	Teletypewriter Compatible DATASPEED 40/2 — Testing and Troubleshooting	582-200-752	2	Teletypewriter Compatible DATASPEED 40/2 — Routine Maintenance
582-200-503	1	DATASPEED 40 With 9140 Station Controller — Testing and Troubleshooting	582-200-753	1	9140 Station Controller — Routine Maintenance
582-200-504	2	Integrated Asynchronous Receive-Only Printer (ROP) Station — Testing and Troubleshooting	582-200-754	2	Asynchronous Receive-Only Printer (ROP) — Integrated Controller Station — Routine Maintenance
582-200-506	3	Asynchronous DATASPEED 4420 KD/KDP Stations — Testing and Troubleshooting	582-200-755 IS	2	Asynchronous DATASPEED 4420 KD/KDP Stations — Routine Maintenance
582-200-507 IS	2	Asynchronous DATASPEED 4430 KD Stations — Description and Operation	582-200-757 IS	2	Asynchronous DATASPEED 4430 KD Stations — Routine Maintenance
582-200-508	1	DATASPEED 40/3 With 9140 Station Controller and Integrated Receive Only Station Arrangements — Installation Testing Using a 921A Data Test Set, Version 4	<b>Integrated Synchronous ROP (Receive-Only Printer) Station</b>		
582-200-700	1	DATASPEED 40/0 and 40/1 Sets and Stations — Disassembly/Reassembly and Parts	582-202-100 IS	3	General Description
Addendum	1		582-202-110 IS	3	Detailed Description
582-200-702	2	Teletypewriter Compatible DATASPEED 40/2 — Disassembly/Reassembly and Parts	582-202-200 IS	3	Installation
582-200-703	1	9140 Station Controller — Disassembly/Reassembly and Parts	582-202-400	3	Wiring Diagrams
582-200-704	3	Integrated Asynchronous DATASPEED 40 Receive-Only Printer Station — Disassembly/Reassembly and Parts	582-202-500	3	Testing and Troubleshooting
582-200-706 IS	3	Asynchronous DATASPEED 4420 KD/KDP Stations — Disassembly/Reassembly and Parts	582-202-700	3	Disassembly/Reassembly and Parts
582-200-707 IS	2	Asynchronous DATASPEED 4430 KD Stations — Disassembly/Reassembly and Parts	582-202-750	2	Routine Maintenance
582-200-750	1	DATASPEED 40/0 and 40/1 Sets and Stations — Routine Maintenance	<b>582-210 Printers</b>		
			Addendum	1	
			582-210-100	2	Description and Operation
			582-210-200	5	Installation
			582-210-400	3	Wiring
			582-210-500	3	Testing and Troubleshooting
			582-210-700	3	Adjustments and Lubrication
			582-210-702	3	Disassembly/Reassembly and Parts
			582-210-750	2	Routine Maintenance
			<b>582-211 Operator Console — KD and RO</b>		
			582-211-100	3	Description and Operation
			582-211-400	2	DATASPEED 40/0 and 40/1 Sets and Stations — Wiring
			582-211-500	3	Testing and Troubleshooting
			582-211-700	3	Adjustment, Disassembly and Reassembly, and Parts

Number	Issue	Subject	Number	Issue	Subject
<b>582-212 Cabinets and Facilities</b>			582-300-501	1	4540 and 40/4 Mini- and Maxi-Cluster — Bisynchronous Remote — Installation Testing Using a 921A Data Test Set
582-212-400	4	Cabinets — Wiring	582-300-502	1	LCC — Testing and Troubleshooting
582-212-700	4	Cabinets and Facilities — Disassembly/Reassembly, Parts and Adjustments	582-300-503	1	LCC Clustered — Testing and Troubleshooting Using EIA Access Monitor
<b>582-213 Display Monitor</b>			582-300-505	1	Single Display — Testing and Troubleshooting
582-213-100	3	Description and Operation	582-300-700	2	Remote Clustered — Disassembly/ Reassembly and Parts
582-213-400	2	Wiring	582-300-702	1	LCC Clustered — Disassembly/ Reassembly and Parts
582-213-500	3	Testing and Troubleshooting	582-300-705	1	Single Display — Disassembly/ Reassembly and Parts
582-213-700	3	Adjustments and Lubrication	582-300-750	3	Routine Maintenance
582-213-701	3	Disassembly/Reassembly and Parts	582-300-752	1	LCC — Routine Maintenance
<b>582-214 PS101 Power Supply</b>			582-302-030 IS	2	Service Manual — Local Channel Controller DATASPEED 4540LCC
582-214-100	2	Description and Operation	Addendum	1	
582-214-400	1	Power Supply Units — Wiring Diagrams	582-303-030 IS	2	Service Manual
582-214-500	2	Testing and Troubleshooting	Supplement IS	1	
582-214-700	3	Disassembly-Reassembly and Parts	582-303-050 IS	2	Enhanced DATASPEED 4540 Station Arrangement in a SNA/SDLC or a BSC Environment Using the TEKTRONIX* 834 Data Communications Tester
<b>582-220 Communications Processor</b>			582-304-030 IS	1	SSI IRMA Service Manual
582-220-105	1	Maintenance Support Information	<b>582-306/310 Printer Types</b>		
<b>582-3 DATASPEED 45</b>			<b>AP200 Printer</b>		
<b>582-300/304 4540 Station Arrangements</b>			582-306-000 IS	1	6500 Station Job Aid
582-300-150	4	Remote — Description and Operation	582-306-030	4	Service Manual — 6500 Station
582-300-151 IS	2	Remote Clustered Featuring a Touch Screen Terminal	582-306-050 IS	2	On-Line Testing of the 6500 Multi-Function Communication System Using the TEKTRONIX 0834 Data Communications Tester
582-300-152	1	LCC Clustered — Description and Operation	582-306-100	1	General Description
582-300-200	4	Remote Clustered — Installation	582-306-150	1	Engineering Specification
582-300-202	1	LCC Clustered — Installation	582-306-200	2	Installation and Removal
582-300-205	1	Single Display — Installation			
582-300-400	2	Remote Clustered — Wiring Diagram			
582-300-402	1	LCC — Wiring Diagrams			
582-300-405	1	Single Display — Wiring Diagram			
582-300-500	4	Remote Clustered — Testing and Troubleshooting			

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Number	Issue	Subject	Number	Issue	Subject
582-306-300	1	Troubleshooting	<b>445 Printer</b>		
582-306-400	2	Wiring	582-401-030 IS	1	Service Manual
582-306-500	2	Testing	<b>450 Printer</b>		
582-306-700	2	Adjustments	582-402-030 IS	1	Service Manual
582-306-710	1	Disassembly/Reassembly	<b>460 Printer</b>		
582-306-800	1	Parts	582-403-000 IS	1	Model 201 — Job Aid
<b>AP25 Printer</b>			582-403-030 IS	1	Service Manual
582-310-100	1	General Description	582-403-050 IS	1	Model 201 — Testing Printers for EIA On-line Capability Using the TEKTRONIX 834 Data Communications Tester
582-310-200	1	Installation and Removal	<b>470 Series Printer</b>		
582-310-300	2	Troubleshooting	582-404-030 IS	1	Service Manual
582-310-400	1	Wiring	<b>5310 and 5320 Printers</b>		
582-310-500	1	Testing	582-405-000 IS	1	Teleprinter — Job Aid
582-310-700	1	Adjustments, Spring Tensions and Lubrication	582-405-030 IS	4	Service Manual
582-310-710	1	Disassembly/Reassembly	582-405-050	1	Testing Using Portable Equipment
582-310-750	1	Routine Maintenance	582-405-060 IS	1	Remote On-line Testing
582-310-800	1	Parts	<b>455 ASF 1 Bin</b>		
<b>582-311 Operator Console — 4500 Keyboards — 45K301 Type</b>			582-406-030	2	455 Service Manual
582-311-030 IS	1	Service Manual — Local Channel Feature of 6500 Station	<b>457/458 Printer</b>		
582-311-100	1	Description and Operation	582-407-030 IS	1	Service Manual
582-311-400	1	Wiring	<b>435 Plotter</b>		
582-311-500	1	Testing and Troubleshooting	582-408-030 IS	1	Service Manual
582-311-700	1	Disassembly/Reassembly and Parts	<b>455 ASF 580</b>		
<b>582-312 4500 Cabinets, Tables, and Facilities</b>			582-409-030 IS	1	455 ASF 580 Service Manual (3-85)
582-312-400	2	Cabinets — Wiring	<b>478 and 479 Printers</b>		
582-312-700	3	Cabinets, Tables, and Facilities — Disassembly/Reassembly, Parts, and Adjustments	582-410-000 IS	1	Job Aid
582-314-030	1	6500 Station Generic 3.1 Service Manual (9-88)	582-410-030 IS	2	Service Manual
<b>582-4 Printers</b>			<b>447 Printer</b>		
<b>582-400/419 Printer Types</b>			582-411-030	1	Service Manual
<b>443 Printer</b>			<b>AT&amp;T Model 7500S Electronic Typewriter</b>		
582-400-000 IS	1	Model 106 — Job Aid	582-412-030 IS	1	Service Manual
582-400-030 IS	1	Service Manual			

Number	Issue	Subject	Number	Issue	Subject
<b>AT&amp;T 477 Deluxe Color Printer</b>			<b>580 Printer</b>		
582-413-030 IS	1	Service Manual	582-440-030	B	AT&T 580 Printer Service Manual
<b>AT&amp;T 495 Laser Printer</b>			<b>582-442 620, 621, and 622 Printers</b>		
582-414-030 IS	1	Service Manual	582-442-100	1	AT&T 620, 621, and 622 Printer User Manual
<b>5310T and 478T Printers</b>			Addendum	1	
582-415-030 IS	2	Service Manual	582-442-101	1	AT&T 620, 621, and 622 Printer Service Manual
<b>5305 Printer</b>			582-442-102	1	AT&T 620, 621, and 622 Printer Coax Manual
582-418-030 IS	1	Service Manual	582-442-103	1	AT&T 620, 621, and 622 Printer Twinax Manual
582-418-031	1	Service Manual Supplement	<b>582-445 602 Dot Matrix Printer</b>		
<b>6571 and 6572 Printers</b>			582-445-100	1	602 Dot Matrix Printer User Guide
582-419-030 IS	2	Service Manual	582-445-101	1	602 Dot Matrix Printer Service Manual
<b>577 Printer</b>			<b>582-5 PARADYNE® Data Communications Equipment</b>		
Addendum	1		<b>582-510 Network Access Devices</b>		
582-420-030	2	Printer 442/444/446 — Service Manual	582-510-100	3	ACCULINK® Access Controller Reference Guide Revision 2.2
582-420-034	1	Printer 577 — Service Manual	582-510-102	3.0	ACCULINK® Access Controller Model AAC/F Reference Guide Release 3.0
582-420-035	1	Printer 577 — Users Manual	<b>582-6 DATASPEED 44</b>		
582-420-036	1	Printer 577 — Coax Printer Supplemental Users Manual	<b>582-600/624 Terminals — Display, Personal, and Multi-Tasking Graphics</b>		
<b>AT&amp;T Application Printers</b>			<b>4410 Display Terminal</b>		
582-421-100	1	Call Accounting Terminal Printer— Installation Guide	582-600-030 IS	1	Service Manual
582-421-105	1	AT&T Application Printer— Installation Guide	582-600-050 IS	2	Testing the Terminal for On Line Capability Using the TEK-TRONIX 834 Data Communications Tester and the GN Navtel* Supercheck
582-421-106	1	Applications Printer (Wide Carriage) Installation Guide	<b>582-600/624 Terminals — Display, Personal, and Multi-Tasking Graphics</b>		
<b>593 Laser Printer</b>			<b>4410 Display Terminal</b>		
582-425-030	2	Service Manual	582-600-030 IS	1	Service Manual
<b>595 Laser Printer</b>			582-600-050 IS	2	Testing the Terminal for On Line Capability Using the TEK-TRONIX 834 Data Communications Tester and the GN Navtel* Supercheck
582-426-030	1	AT&T 595 Laser Printer Service Manual	<b>582-600/624 Terminals — Display, Personal, and Multi-Tasking Graphics</b>		
<b>570 Printer</b>			<b>4410 Display Terminal</b>		
582-430-030	2	AT&T 570 Printer Service Manual	582-600-030 IS	1	Service Manual
			582-600-050 IS	2	Testing the Terminal for On Line Capability Using the TEK-TRONIX 834 Data Communications Tester and the GN Navtel* Supercheck

\* GN Navtel is a registered trademark of GN Navtel, Inc.

Number	Issue	Subject
<b>4415 Display Terminal</b>		
582-601-030 IS	1	Service Manual
582-601-050 IS	1	Testing the Terminal for On-Line Capability Using the TEK-TRONIX 834 Data Communications Tester and the Navtel Supercheck
<b>4430 KD Stations On-Line</b>		
582-603-030	1	AT&T Personal Terminal — 510A Service Manual
582-603-050 IS	1	Capability Testing Using the TEKTRONIX 834 Data Communications Tester
<b>AT&amp;T 510 Personal Terminal</b>		
Addendum IS	1	
582-604-030 IS	1	Service Manual
<b>513 BCT (Business Communications Terminal)</b>		
582-605-030 IS	1	Service Manual
<b>515 BCT (Business Communication Terminal)</b>		
582-606-030 IS	2	Service Manual
<b>500 BCT (Business Communications Terminal)</b>		
582-607-030 IS	1	Service Manual
<b>Dataspeed 4410 Display Terminal</b>		
582-608-030 IS	1	With Optional Integrated Modem — Service Manual
<b>4425 Display Terminal</b>		
582-609-030 IS	1	Service Manual
582-609-050 IS	1	Testing the Terminal for On-Line Capability Using the TEK-TRONIX 834 Data Communications Tester and the Navtel Supercheck
<b>610/615 Terminals</b>		
582-610-000 IS	2	Job Aid
582-610-030 IS	3	Service Manual
<b>505 Personal Terminal</b>		
582-613-030 IS	1	Service Manual

Number	Issue	Subject
<b>4418 Display Terminal</b>		
582-614-030 IS	1	Service Manual
<b>5620 Terminal</b>		
582-615-030 IS	1	Dot Mapped Display
<b>605 Business Communications Terminal</b>		
582-618-000	1	Job Aid
582-618-030 IS	1	Service Manual
<b>620 Multi-Tasking Graphics Terminal</b>		
582-620-000 IS	1	Job Aid
582-620-030 IS	1	Service Manual
<b>510D-R2 Terminal</b>		
582-624-030 IS	1	Service Manual
<b>630 Multi-Tasking Graphics Terminal</b>		
582-630-000 IS	1	Job Aid
582-630-030 IS	1	Service Manual
<b>582-9 Miscellaneous Terminals</b>		
<b>582-900 DATASPEED Magnetic Tape Set</b>		
582-900-101	4	Station Arrangement Identification
582-900-110	4	Description and Principles of Operation
582-900-200	4	Installation
582-900-300	4	Checkout and Troubleshooting
582-900-500	1	Test Procedures
582-900-501	1	Test Procedures With a DTC Using a DATASPEED Test Set
582-900-700	4	Tape Transport — Adjustments and Lubrication
<b>582-901 Business Communication Terminal (BCT)</b>		
<b>500 BCT</b>		
582-901-001 IS	1	General Description
582-901-002 IS	1	Installation, Testing and Routine Maintenance
582-901-003 IS	1	Troubleshooting, Disassembly/Reassembly and Parts, and Adjustments

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
<b>Asynchronous HORIZON® 51 H BCT</b>		
582-901-101 IS	3	General Description
582-901-102 IS	2	Installation, Testing and Routine Maintenance
582-901-103 IS	2	Troubleshooting, Disassembly/Reassembly and Parts, and Adjustments

**Division 585****Computer Products, Adjunct Processors and Services For Business Communications Systems****585-0 Index****585-2 Applications Processor**

- 200 AP16
- 201 AP16
- 205 Unified Messaging Center
- 206 Visual MAAP
- 210 3B5 Applications Processor
- 211 Multi-Application Platform/5 (MAP/5) Applications Processor
- 214 MERLIN LEGEND® Call Management System
- 215 System 85 Advanced Information System
- 220 Centralized System Management
- 221 DEFINITY® Monitor I
- 225/230 ACCUMASTER® Trouble Tracker
- 231 Call Attempt Data Collection Services
- 235 Accumaster Services PC
- 246 CALLVISOR™
- 247 Call Accounting Systems (CAS)
- 249 MERLIN LEGEND®

**585-3 Voice Messaging Systems**

- 300 AUDIX® (Audio Information Exchange) General
- 302 AUDIX R1V2-R1V3
- 304 AUDIX Enhanced III
- 310 AUDIX VOICEPOWER™
- 312 CONVERSANT® Introduction
- 320 MERLIN MAIL®
- 321 CLASSIC MAIL™
- 322 PARTNER® Mail
- 330 TSC-SS (Technical Service Center Support System)
- 340 OVATION®
- 350/351 CONVERSANT

Number	Issue	Subject
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**585-0 Index**

585-000-000	30	Numerical Index — Division 585 — Applications Processor (5-95)
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**585-2 Applications Processor (AP)****585-201 AP16**

585-201-601	3	Planning, Configuration, and Implementation Guide
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**585-205 Unified Messaging Service**

585-205-022	1	Messaging Server Introduction
585-205-030	1	3B2 Messaging Server R2 — Demo Package
Addendum	1	
585-205-120	1	3B2 Messaging Server R2 Unified Installation and Maintenance Manual
Addendum	1	
585-205-501	3	Administrator's Guide
Addendum	2	
585-205-520	1	3B2 Messaging Server — Owner's Manual
Addendum	2	
585-205-530	1	3B2 Messaging Server — Unified Message
585-205-601	3	Planning, Configuration, and Implementation Guide
Addendum	1	
585-205-620	1	3B2 Messaging Server — R2 Unified Messaging
585-205-708	2	Quick Guide to Command Line Directory With the Application Processor
585-205-730	1	Quick Guide to Speak-to-Me Messaging Service With AT&T 3B2 Messaging Server — Release 2
585-205-731	1	Quick Guide to PC Messaging With AT&T 3B2 Messaging Server — Release 2
585-205-732	1	Quick Guide to Command Line Message Center With AT&T 3B2 Messaging Server — Release 2
585-205-733	1	Quick Guide to Command Line Directory With AT&T 3B2 Messaging Server — Release 2



Number	Issue	Subject	Number	Issue	Subject
585-205-734	1	Quick Guide to Demand Print	<b>585-214 MERLIN LEGEND® Call Management System (CMS)</b>		
585-205-735	1	Quick Guide to Display Scrolling	585-214-010	1	CMS Installation and System Programming
585-205-736	1	Quick Guide to Unified Messaging Link — Release 2	585-214-050	1	CMS Planning Guide and Forms
585-205-740	1	3B2 Messaging Server — Release 2 — Agent's Package	585-214-051	1	CMS Planning Forms
585-205-766	1	3B2 Messaging Server — Releases 2 — Unified	585-214-070	1	CMS User's Quick Reference Card (10/p/pk)
<b>585-206 Visual MAAP</b>			585-214-071	1	CMS Supervisor's Guide
Addendum	1		<b>585-215 Definity Call Center</b>		
585-206-701	2	Switch Administration and Maintenance With a UNIX®* PC	<b>General Call Center Documents</b>		
585-206-703	1	Switch Administration and Maintenance With a 3B2/400 Computer	585-215-001	1	ACD/CMS Helpline
<b>585-210 3B5 Applications Processor</b>			<b>3B Call Management System (CMS)</b>		
585-210-101	3	Installation Manual	585-215-101	3	3B5 CMS Installation and Maintenance — R2, Load 2.14
Addendum	1		585-215-102	3	3B2 CMS Installation and Maintenance — R2, Load 2.14
585-210-103	2	Maintenance Manual — Release 2	585-215-104	3	3B CMS Installation and Maintenance — R2, Issue 1.1
585-210-501	2	Administrator's Guide and Operator's Manual	Addendum	2	
585-210-502	2	Message Center — Administrator's Guide	585-215-112	1	Call Management System Release 3.0 — Installation and Maintenance for WGS Computers
585-210-503	2	Directory — Administrator's Guide	585-215-113	2	Call Management System Release 2 to Release 3 Migration (11-93)
585-210-601	2	Planning, Configuration, and Implementation Guide	585-215-122	1	CMS R3V2 Installation and Maintenance Guide (11-93)
585-210-701	1	Getting Started With the 500 Business Communication Terminal (BCT)	585-215-123	1	Call Management System High Performance Platform Installation and Maintenance R3V2
585-210-703	1	Getting Started With the 515 Business Communication Terminal (BCT)	585-215-124	1	Call Management System High Performance Platform Migration
585-210-704	2	Message Center — Agent's Guide	585-215-125	1	Call Management System (CMS) External Call History
<b>585-211 Multi-Application Platform/5 (MAP/5) Applications Processor</b>			585-215-126	1	R3V2 Call Management System (CMS) High Performance Platform Connectivity Diagram
585-211-110	1	MAP/5 User's Guide (Taiwan) (10-94)	585-215-127	1	R3V2 Call Management System (CMS) Reports
585-211-111	1	MAP/5 Diagnostic Program User's Guide	585-215-407	1	3B CMS Change Description
			585-215-409	1	3B CMS Change Description R1 Load 2.8 to R2 Load 2.37
			585-215-411	6	CMS Release 3.0 Change Description

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Number	Issue	Subject	Number	Issue	Subject
585-215-421	4	CMS R3V2 Change Description	Addendum	4	
585-215-502	4	3B Vectoring Administration — R2, Issue 1.1	585-220-701	4	Terminal Change Management — User's Guide — R1V2/V4
585-215-503	3	3B CMS Custom Reports	Addendum	4	
585-215-504	3	3B CMS-Administration — R2, Version 1.2	585-220-702	4	Facilities Management — User's Guide — R1V2/V4
585-215-505	2	3B CMS — Graphics Administration	Addendum	4	
585-215-511	1	Call Management System Release 3.0 Administration	585-220-703	4	Traffic Management — User's Guide — R1V2/V4
585-215-513	1	Call Management System Release 3.0 Custom Reports	Addendum	3	
585-215-521	1	CMS Administration Guide Release 3 Version 2	585-220-704	5	Cost Management — User's Guide — R1V2/V4
585-215-523	1	CMS Customer Reports (11-93) Release 3 Version 2	Addendum	3	
585-215-601	7	Planning, Configuration, and Implementation — R1, Issue 1.1	585-220-705	4	Query and Report Languages — User's Guide — R1V2/V4
585-215-704	2	3B Call Management System Quick Reference — R2, Issue 1.1	Addendum	3	
			585-220-706	4	Getting Started With CSM R1V2/V4
			585-220-707	1	System Administration
			585-220-708	1	Quick Reference Card

**585-220 Centralized System Management**

Addendum	3	
585-220-100	4	Installation and Initialization Manual — R1V2
Addendum	2	
585-220-101	4	Service and Maintenance Manual — R1V2
Addendum	4	
585-220-200	5	Reference Manual — R1V2/V4
585-220-400	1	V4 Capabilities
585-220-401	2	R1V2 Delta Document — Issue 2.0
585-220-408	11/88	V4 Delta Document
585-220-411	6/89	V4.2.2 Delta Document
585-220-413	2/90	V4.4.0 Delta Document
585-220-414	3/90	V4.4.0 Delta Document Addendum
585-220-415	1	R1V4.5.0 Delta Document
Addendum	3	
585-220-610	4	Planning and Implementation Manual R1V2/V4
Addendum	3	
585-220-700	4	System Administrator's Guide — R1V2/V4

**585-221 DEFINITY® Monitor I**

Addendum	2	
585-221-010	1	An Introduction to DEFINITY® Monitor 1
Addendum	1	
585-221-102	2	DEFINITY Monitor I Installation Manual (9-93)
585-221-501	1	DEFINITY Monitor I G3 — Operation Guide
585-221-502	1	DEFINITY Monitor I G4.0 Document Addendum
Addendum	1	
585-221-610	1	DEFINITY Monitor I — Planning Manual
585-221-703	2	DEFINITY Monitor I Operators Manual

**585-222 DEFINITY Manager III**

Addendum	1	
585-222-010	1	Introduction to DEFINITY — Manager III
585-222-100	2	DEFINITY Manager III — Installation and Initialization
585-222-201	1	DEFINITY Proc Mode Operation
■ 585-222-402	1	DEFINITY Manager III Delta R2.2

Number	Issue	Subject	Number	Issue	Subject
585-222-610	2	DEFINITY Manager III — Planning and Implementation	①④585-223-750	2	Centralized System Management to Manager IV Upgrade: A Person Tutorial
585-222-701	3	DEFINITY Manager III — Operations			
<b>585-223 DEFINITY Manager IV</b>			<b>585-224 CAFE</b>		
585-223-010	1	Introduction to DEFINITY — Manager IV	585-224-701	1	CAFE User's Guide
585-223-011	1	DEFINITY Manager IV — Documentation Roadmap	<b>585-225/230 ACCUMASTER® Trouble Tracker</b>		
Addendum	3		585-225-021	1	Introduction to Trouble Tracker
① 585-223-100	1	DEFINITY Manager IV — Installation, Initialization, and Maintenance Manual	Addendum	2	
Addendum	2		585-225-102	2	ACCUMASTER Trouble Tracker — Installation Manual RIV3.1 (11-93)
① 585-223-402	1	DEFINITY Manager IV — Upgrade Manual	585-225-401	1	Trouble Tracker R1, V1.1
① 585-223-404	1	DEFINITY Manager IV 2.2 Upgrade Manual	585-225-402	1	Trouble Tracker Software
585-223-411	1	DEFINITY Manager IV Delta Document 1.0.	585-225-601	2	ACCUMASTER Trouble Tracker — Planning Manual RIV2
585-223-412	1.2	DEFINITY Manager IV 1.0	585-225-602	1	Facilities Tracker RIV2 — Planning Manual
585-223-413	1.3	DEFINITY Manager IV 1.0	Addendum	1	
585-223-414	6/92	DEFINITY Manager IV 2.2 Issue 1.0 Delta	585-225-603	3	Trouble Tracker Planning Guide
585-223-415	6/93	DEFINITY Manager IV 2.2 Issue 2.0 Delta	585-225-604	1	Trouble Tracker Asynchronous Notification Protocol
585-223-416	4/94	DEFINITY Manager IV 2.2 Issue 3.0 Delta	585-225-702	1	Facilities Tracker RIV2 — Operations Manual
585-223-417	8/94	DEFINITY Manager IV 2.2 Issue 4.0 Delta	585-225-703	3	ACCUMASTER Trouble Tracker — Operations Manual (2-94)
① Addendum	1		<b>585-228 Inbound Services Management</b>		
① 585-223-610	2	DEFINITY Manager IV — Planning and Implementation Manual	Addendum	1	
① 585-223-700	2	DEFINITY Manager IV — System Administration	585-228-101	1	Inbound Services Management Workstation RCS-PCT — Installation Guide
Addendum	1		585-228-104	2	Inbound Accumaster Services Workstation (IASW) TOPMS Installation Guide
① 585-223-701	3	DEFINITY Manager IV — Terminal Change Management Operations	585-228-105	8/92	IASE AT&T Ticket Manager Installation Guide Release 1.0
① 585-223-702	3	DEFINITY Manager IV — Facilities Management Operations	Addendum	10/92	
Addendum	1		585-228-108	8/92	IASW CTM/RT Installation (8-92)
585-223-703	1	DEFINITY Manager IV — Query and Report Languages	Addendum	11/94	
① 585-223-706	2	Getting Started With DEFINITY Manager IV	585-228-110	1	IASW Platform Manager Installation R4.0
① 585-223-708	1	DEFINITY Manager IV — Quick Reference Card	585-228-111	8/92	IASW Customer Traffic Manager Reports (8-92)
			Addendum	8/94	

Number	Issue	Subject	Number	Issue	Subject
585-228-112	5/94	IASW Routing Manager Installation Guide	Addendum	11/94	
585-228-113	12/93	ASW OCDM Installation R2.0	585-228-719	3/94	On-line Call Detail Data/RT R2.0 User's Guide
■ 585-228-130	2	AT&T Intelligent Call Processing (ICP) Customer Guide	585-228-723	R2.7	IASW TOPMS User's Guide Release 2.7
■ 585-228-132	1	AT&T ICP (Intelligent Call Processing) NAA (Next Available Agent) Customers Guide (1/93)	Addendum	12/93	
585-228-202	12/92	CDD Technical Reference R1.0 Update	585-228-726	8/92	IASW Customer Traffic Manager/Real Time (CTM/RT) User Guide Release 1.0
585-228-203	3/94	OCDD Technical Reference R1.5	Addendum	1/94	
585-228-333	R94.3	Routing Control Service (RCS) On-Line User's Guide	585-228-727	7/93	AT&T 800 Service Monitor—Customer User Guide Release C
■ Addendum	11/94		Addendum	11/92	
■ 585-228-601	7/94	IASW Platform Manager Planning and Configuration Guide R4.0	585-228-729	8/92	IASW Customer Traffic Manager Reports
585-228-602	2	On-line Call Detail Data Phase 0 Provisioning Guide	Addendum	3/94	
585-228-603	R2.7	IASW TOPMS Planning/Configuration Guide Release 2.7	585-228-731	12/93	IASW OCDM Real Time User Guide R2.0
585-228-605	12/92	OCDD/RT R1.0 Planning and Configuration On-Line Call Detail Data/Real Time Planning and Configuration	585-228-751	R3.0	OCDD (On-Line Call Detail Data) Audio Learning System (contains a job aid, demo diskettes, and audio tape)
■ Addendum	3		585-228-753	1	CTM/RT Student Guide
585-228-701	1	ACCUMASTER Service Workstation R1 Using SMW	Ⓞ585-228-754	7/93	800 Service Monitor Demo Floppies Release C (2.0)
Addendum	11/94		585-228-756	R2.5	IASW TOPMS Student Guide R2.5
585-228-710	1	IASW Platform Manager User Guide — Inbound Accumaster Services Workstation — AT&T Platform Manager User's Guide	585-228-757	1	OCMD Student Guide
585-228-712	1	QUICAP (Quick Call Attempt Profile) User's Guide R1.0	585-228-759	11/93	IASW Platform Manager Training Guide
Addendum	12/94		585-228-763	3/95	OCMD/RT R2.0.6 Student Guide On-Line Call Detail Manager/Real Time
585-228-713	3/93	On-line Call Detail Data — User's Guide	585-228-764	R3.2	OCDD/RT Release 1.0 Student Guide
Addendum	1/94		<b>585-229 DEFINITY Communications System Generic 3 Management Application</b>		
Ⓞ585-228-715	10/93	Customer Traffic Data/Real Time User's Guide (Text With Software)	Addendum	1	
Addendum	1		585-229-010	1	Introduction to DEFINITY Communications System Generic 3 Management Applications (G3-MA) (6-93)
585-228-716	1	Getting Started With RT-CTDR	Ⓞ585-229-011	1	DEFINITY Communications System Generic 3 Management Applications — Demo Diskette
Addendum	8/94		585-229-104	1	One Vision DEFINITY G3 HP9000
585-228-718	2/93	IASW Routing Manager User Guide			

Number	Issue	Subject	Number	Issue	Subject
585-229-105	1	One Vision DEFINITY G3 Sun Sparc Station	<b>585-230 ACCUMASTER Intergrator</b>		
585-229-106	1	One Vision DEFINITY G3 Star Sent	585-230-031	3	Introduction to ACCUMASTER Intergrator
585-229-107	1	One Vision DEFINITY G3 Prox-agen	585-230-032	1	Introduction to ACCUMASTER Intergrator Release 3.0
585-229-201	1	Station Provisioning	■ Addendum	2	
■ 585-229-203	4	DEFINITY Communications System Generic 3 Management Applications — Station Provisioning Quick Guides	■ 585-230-101	2	ACCUMASTER Intergrator — Installation and Maintenance Guide
585-229-205	1	AUDIX Data Exchange - Stand Alone	585-230-102	1	ACCUMASTER Intergrator Installation and Maintenance Guide Release 3.0
Addendum	1		585-230-201	2	ACCUMASTER Intergrator — Technical Reference Guide (4-3-92)
585-229-206	3	DEFINITY Communications System Generic 3 Management Applications— Connectivity and Installation (7-94)	Addendum	1	
585-229-207	3	Product Identification Form	■ 585-230-202	1	ACCUMASTER Intergrator — File Import Programmer's Reference Manual Release 2
585-229-208	2	DEFINITY Communications System Generic 3 Management Applications DOS Customer Quick Guide	■ Addendum	1	
585-229-209	2	DEFINITY Communications System Generic 3 Management Applications UNIX Customer Quick Guide	■ 585-230-203	1	ACCUMASTER Automation Programmers Reference Manual Release 2
585-229-210	1	DEFINITY Generic 3 Intr Prod FM	585-230-204	1	ACCUMASTER Alarm Interface
585-229-502	1	One Vision DEFINITY Generic 3 MIB Specs	585-230-205	1	ACCUMASTER SNMP Support Requirements
585-229-610	1	DEFINITY G3 Management Application Planning and Implementation	585-230-206	1	ACCUMASTER Intergrator Automation Programmer's Reference Guide
Addendum	1		585-230-207	1	ACCUMASTER Intergrator File Import Programmer's Reference Guide Release 3.0
585-229-703	2	DEFINITY G1 and 3 System 75 Button	585-230-208	1	ACCUMASTER Intergrator Technical Reference Guide Release 3.0
585-229-704	1	DEFINITY Label Mstr Oper 4.0	585-230-220	1	DEFINITY CallVisor™ ASAI Technical Reference G3 (1-31-92)
585-229-751	2	System Administration Using the DEFINITY Communications System Generic 3 Management Applications Release 2.0	585-230-221	1	DEFINITY CallVisor ASAI Protocol Reference G3 (1-31-92)
Addendum	1		585-230-222	1	DEFINITY G3 CallVisor ASAI Planning Guide (2-21-92)
585-229-752	1	System Administration Using the DEFINITY Communications System Generic 3 Management Applications Release 2.1 (Provisioning)	585-230-301	1	AT&T - IBM Interoperability Agreement
			■ 585-230-500	1	DEFINITY System Management Generic 1 and Generic 3 (1-31-92)
			■ 585-230-501	2	ACCUMASTER Intergrator — Systems Administration Guide R2

Number	Issue	Subject	Number	Issue	Subject
■ Addendum	2		Addendum	6/93	
■ 585-230-502	1	ACCUMASTER Integrator — Network Administration Guide	■ 585-231-202	10/92	QUICAP (Quick Call Attempt Profile) Technical Reference Release 2.1 Call Attempt Data/Real Time Central Systems Operations Administration and Maintenance
585-230-503	1	ACCUMASTER Integrator — Network Administration Guide Release 3.0	■ Addendum	9/93	
585-230-504	1	ACCUMASTER Integrator — System Administration Guide Release 3.0	585-231-601	1	Call Attempt Data/Real Time Planning and Configuration
585-230-520	1	DEFINITY Call Vectoring Guide (2-21-92)	Addendum	10/94	
585-230-600	1	DEFINITY Planning and Configuration Generic 1 and Generic 3 (1-31-92)	585-231-701	7/93	Call Attempt Manager/Real Time — User and Administration Guide (10-92)
Addendum	2		Addendum	10/94	
585-230-601	2	ACCUMASTER Integrator — Planning and Configuration Guide	585-231-702	1	Call Attempt Manager/Real Time Installation (10-92)
585-230-602	1	ACCUMASTER Integrator — Planning and Configuration Guide Release 3.0	Addendum	R6.2	
585-230-701	1	ACCUMASTER Integrator — User Interface Reference Card	■ 585-231-703	1	Call Attempt Data/Real Time User Guide and Job Aid
585-230-702	1	ACCUMASTER Integrator — User's Reference Card Release 3.0	■ 585-231-704	10/92	Call Attempt Manager/Real Time Workcenter Supplement
Addendum	1		585-231-750	12/92	Call Attempt Manager/Real Time Student Guide
585-230-716	1	ACCUMASTER Integrator — User's Guide	<b>585-234 ACCUMASTER Network Services</b>		
■ Addendum	1		Addendum	11/94	
■ 585-230-717	1	ACCUMASTER User Guide Release 2	585-234-105	12/93	ACCUMASTER Ticket Manager — User Guide Release 1.5
585-230-718	1	ACCUMASTER Integrator — User's Guide Release 3.0	■ 585-234-106	11/94	ACCUMASTER Ticket Manager
585-230-721	1	ACCUMASTER Integrator — Getting Started Guide	<b>585-235 ACCUMASTER Services PC</b>		
585-230-722	1	ACCUMASTER Integrator — Keyboard Map Flipchart	Addendum	2/94	
Addendum	1		585-235-701	2/94	IASPC Platform Manager User Guide Inbound Accumaster Services Personal Computer Platform Manager User Guide Release 2.0
585-230-723	1	ACCUMASTER Integrator — Data Collection Guide Release 2	Addendum	2/94	
585-230-724	1	ACCUMASTER Integrator — Data Collection Guide Release 3.0	585-235-702	2/94	IASPC On-Line Call Detail Manager User Guide Inbound ACCUMASTER Services Personal Computer Release 1.0
<b>585-231 Call Attempt Data Collection Services</b>			585-235-706	R2.3	ACCUMASTER Services Personal Computer Online Call Detail Manager (ASPCOCDM) Student Guide
Revision R7.0	1/95				
585-231-201	1	Call Attempt Data Collection Services/Real Time Technical Reference Release 6.0 (1-94)			

Number	Issue	Subject	Number	Issue	Subject
<b>585-241 Outbound Call Management (OCM)</b>			<b>585-247-122</b>		
585-241-102	1	OCM Installation Guide — G1	1		Hacker Tracker/Intergrated Solution CAS — User Guide
585-241-104	1	OCM Maintenance Guide	585-247-201	1	Call Accounting Terminal (Basic) Installation and Use (MERLIN® Plus, MERLIN LEGEND®, MERLIN II, SPIRIT® 2448)
585-241-501	1	OCM Administration Guide — ADCC — G1	585-247-202	1	Call Accounting Terminal (Basic) Installation and User (PARTNER II)
585-241-502	1	OCM Administration Guide — ADCC — M1	585-247-203	1	Call Accounting Terminal Plus/Business Installation and Use (MERLIN II, MERLIN Plus, MERLIN LEGEND, PARTNER® II, SPIRIT 2448)
585-241-503	1	OCM Administration Guide — CONVERSANT	585-247-204	1	Call Accounting Terminal Plus/Hospitality Installation and Use (MERLIN II, MERLIN Plus, MERLIN LEGEND, SPIRIT 2448, PARTNER II)
585-241-602	1	OCM Site Preparation — Generic 1	585-247-205	1	Call Accounting Terminal Plus CAT Watch Dog — Installation and Use
585-241-702	1	OCM Agent's Guide	<b>585-249 MERLIN LEGEND®</b>		
Addendum	1		585-249-710	1	MERLIN LEGEND Applications
585-241-703	1	OCM Supervisor's Guide	<b>585-3 Voice Messaging Systems</b>		
<b>585-245 ISDN Gateway</b>			<b>585-300 AUDIX (Audio Information Exchange) General</b>		
585-245-101	1	ISDN Gateway Installation and Maintenance Guide	585-300-010	5	AUDIX Documentation Guide (11-93)
585-245-201	1	ISDN Gateway Planning and Application Development	585-300-011	4	DEFINITY AUDIX System R1.0 Documentation Guide
<b>585-246 CALLVISOR™</b>			585-300-050	1	AUDIX Training Tape
585-246-205	2	CALLVISOR ASAI Installation/Reference	585-300-109	4	DEFINITY AUDIX System R1.0 Installation Checklist
<b>585-247 Call Accounting Systems (CAS)</b>			585-300-110	4	DEFINITY AUDIX System R1.0 Maintenance
585-247-010	1	MERLIN® Site Installation and Implementation Guide — Integrated Solution II	585-300-111	5	DEFINITY AUDIX System R1.0 Installation
585-247-050	1	MERLIN LEGEND® Integrated Solution II — Planning Guide and Forms	585-300-205	5	DEFINITY AUDIX System R1.0 System Description
585-247-051	1	MERLIN CAS Integrated Solution II — Forms	585-300-206	3	DEFINITY AUDIX System R1.0 Feature Descriptions
585-247-070	1	AUDIX® CAS (Call Accounting System) User Guide — E Central Systems Operations Administration and Maintenance	585-300-207	2	DEFINITY AUDIX System R1.0 Forms Reference
585-247-071	1	CAS Reference Card	585-300-210	1	DEFINITY AUDIX System R3.0 Forms Reference
585-247-110	10/91	CAS Plus — V3 Installation			
585-247-111	1	CAS Plus — V3 Administration and Operations Guide			
585-247-117	1	CAS Plus — V3 Quick Reference Card			
585-247-120	1	CAS Integrated Solution — User Guide			

Number	Issue	Subject	Number	Issue	Subject
585-300-211	1	DEFINITY AUDIX System R3.1 Screens Reference	585-300-543	1	DEFINITY AUDIX System 3.1 Announcement INT 3.2 - French
585-300-401	1	DEFINITY AUDIX System R1.0 to R2.0 Change Description	585-300-544	1	DEFINITY AUDIX System 3.1 Announcement INT 3.2 - Polish
585-300-402	1	DEFINITY AUDIX System R2.0 to R3.0 Change Description	585-300-545	1	DEFINITY AUDIX System Announcement INT - German
585-300-404	1	DEFINITY AUDIX System R3.0 to R3.1 Change Description	585-300-546	1	DEFINITY AUDIX System 3.1 Announcement INT 3.2 - Japanese
585-300-507	4	DEFINITY AUDIX System R1.0 Administration	585-300-701	2	A Portable Guide to DEFINITY AUDIX Voice Messaging
585-300-509	4	Switch Administration for DEFINITY AUDIX System R1.0	585-300-702	3	DEFINITY AUDIX Voice Messaging Quick Reference (10-93)
585-300-512	5	AMIS Analog Networking and Message Delivery for DEFINITY AUDIX System (1-94)	585-300-703	4	DEFINITY AUDIX Voice Messaging Subscriber Document Artwork
585-300-516	2	DEFINITY AUDIX R1.0 Announcement Customization	585-300-704	2	DEFINITY AUDIX Voice Messaging Wallet Card
585-300-526	1	DEFINITY AUDIX System Announcement Customization - U.S. English TDD	585-300-705	4	Multiple Personal Greetings Quick Reference
585-300-527	1	DEFINITY AUDIX System Announcement Customization - U.S. English	585-300-706	1	DEFINITY AUDIX Outcalling Quick Reference (8-94)
585-300-528	1	DEFINITY AUDIX System Announcement Customization - Latin Spanish	585-300-902	1	Application Notes
585-300-529	1	DEFINITY AUDIX System Announcement Customization - Canadian French	■ 585-300-903	4	AUDIX Networking Implementation Guide
585-300-530	1	DEFINITY AUDIX System Announcement Customization - British English	■ 585-300-904	5	Planning for DEFINITY AUDIX System R1.0
585-300-535	1	DEFINITY AUDIX System Announcement INT - US English	585-300-905	1	Multiple Personal Greetings Quick Reference
585-300-536	1	DEFINITY AUDIX System 123 Announcement INT - US English	<b>585-302 AUDIX RIV2-R1V3</b>		
585-300-537	1	DEFINITY AUDIX System Announcement INT - British English	585-302-105	1	Installation
585-300-538	1	DEFINITY AUDIX System Announcement INT - Canadian French	585-302-107	5	Upgrade Instructions for R1V1 1:4 to R1V2 2:0
585-300-539	1	DEFINITY AUDIX System Announcement INT - Latin Spanish	585-302-108	13	AUDIX R1V7 Upgrade Instructions
585-300-540	1	DEFINITY AUDIX System 3.1 TDD Announcement INT 3.2 - US English	Addendum	2	
585-300-541	1	DEFINITY AUDIX System 3.1 Announcement INT 3.2 - Dutch	585-302-501	2	Enhanced Administrators Manual
585-300-542	1	DEFINITY AUDIX System 3.1 Announcement INT 3.2 - Portuguese	585-302-502	10	AUDIX Administration and Data Acquisition Package (1/94)
			585-302-504	4/89	Stella Business Graphics
			585-302-701	2	Enhanced — User Guide
			585-302-702	2	Enhanced — Quick Reference Guide
			585-302-703	2	Enhanced — Wallet Card



Number	Issue	Subject	Number	Issue	Subject
<b>585-304 AUDIX Enhanced III</b>			<b>585-305-532</b>		
Addendum	1		1		AUDIX Announcement Customization — Standard User (10-93)
585-304-106	1	Enhanced III — Maintenance	585-305-533	1	AUDIX Announcement Customization — Traditional User (10-93)/
Addendum	2		585-305-702	2	A Portable Guide to AUDIX Release 1 Version 5
585-304-202	1	Enhanced III — Forms Reference	585-305-703	2	AUDIX Voice Messaging Wallet Card
585-304-203	3	AUDIX Integration Package for the SL-1 Switch: Administration and Reference	585-305-707	2	AUDIX Voice Messaging Quick Reference
585-304-204	3	AUDIX Integration Package for the DMS- 100: Administration and Reference	585-305-708	2	Quick Reference Artwork
Addendum	1		585-305-709	1	A Portable Guide to AUDIX Voice Messaging
585-304-501	1	Enhanced III — Administration	585-305-710	1	AUDIX Voice Messaging Quick Reference
585-304-701	1	User Guide	585-305-711	2	AUDIX Voice Messaging Subscriber Artwork — Includes Masters for Quick Reference, Wallet Card and M. P. Greetings
585-304-702	2	A Portable Guide to AUDIX — Enhanced III	585-305-712	1	AUDIX Voice Messaging Wallet Card
585-304-703	1	AUDIX III Wallet Card	585-305-713	1	AUDIX Multiple Personal Greetings Quick Reference
585-304-704	1	AUDIX Enhanced III User's Reference	585-305-714	1	AUDIX Voice Messaging Quick Reference (10-93)
585-304-705	2	Business Card Sticker	585-305-715	1	A Portable Guide to AUDIX Voice Messaging (9-93)
585-304-706	1	Business Card Artwork	585-305-716	1	AUDIX Voice Messaging Subscriber Artwork Package — Traditional User (10-93)
<b>585-305 AUDIX Release 1 Version 5</b>			585-305-717	1	AUDIX Voice Messaging Wallet Card (9-93)
585-305-105	4	AUDIX R1V6 Installation	585-305-718	1	Voice Messaging Subscriber Artwork Package Standard
585-305-106	4	AUDIX Maintenance for Tier 1 (10-93)	585-306-402	1	AUDIX R1V7 Change Description Iss. 7:1 to 7:2
585-305-201	4	AUDIX R1V6 System Description	585-306-403	1	AUDIX R1V8 Iss. 8:1 to 8:2 Change Description
Addendum	2		<b>585-310 AUDIX VOICEPOWER™ (AVP)</b>		
585-305-202	1	Forms Reference	Addendum	1	
585-305-203	4	AUDIX Feature Descriptions	585-310-010	1	AUDIX VOICEPOWER Release 2.1.1 Switch Notes for System 75 Communications System
585-305-204	1	AUDIX Release 1 Version 6 Forms Reference	585-310-011	1	AVP Switch Notes for System 25 (Order 555-600-629)
585-305-208	1	AUDIX Release 1 Version 7 Forms Reference	585-310-012	1	AUDIX VOICEPOWER Release 2.1.1 Switch Notes for System 25 Communications System
585-305-209	1	AUDIX Release 1 Version 8 Forms Reference (10-93)			
585-305-405	1	AUDIX Release 1 Version 8 8:2 New Feature Package			
585-305-501	4	AUDIX Administration (11-93)			
585-305-505	5	Switch Administration for AUDIX Voice Messaging			
585-305-506	3	AUDIX Call Detail Recording Package			
585-305-531	1	AUDIX Announcement Customization R1V2 through R1V7 (11-93)			

Number	Issue	Subject	Number	Issue	Subject
585-310-013	1	AUDIX VOICEPOWER System R3.0 Documentation Guide	585-310-137	1	Intuity MAP 100 Installation Checklist
585-310-015	1	AUDIX VOICEPOWER Planning Forms	Addendum	2	
Ⓞ585-310-020	1	Int Convers 5.0 Documentation Guide	585-310-138	1	Intuity MAP/40 Hardware Installation
Ⓞ585-310-050	1	AUDIX VOICEPOWER Tutorial — A Personal Tutorial — (Text & 1/2" VHS Tape)	Addendum	2	
585-310-101	1	4A Hardware — Installation Guide	585-310-139	1	Intuity MAP 100 Installation
585-310-102	1	Installation and Operations Guide	585-310-140	1	Intuity Software Installation
585-310-103	1	Installation Handbook	585-310-141	1	Intuity MAP/40 Installation Checklist
585-310-104	1	Administration Handbook for Technician's Use	Addendum	1	
585-310-107	1	AUDIX VOICEPOWER Lodging — Property Management System Interface Specification	585-310-146	1	Intuity MAP/5 Hardware Installation
585-310-108	1	AUDIX VOICEPOWER Installation and Maintenance Guide	585-310-147	1	Intuity MAP/5 Installation Checklist
585-310-111	1	6386/33 and 6386/25 Voice Processing Hardware Installation	585-310-148	1	Convers 5.0 MAP/100 Hardware
585-310-112	1	AUDIX Voicepower™ System R3.0 Installation Checklist	585-310-149	1	Convers 5.0 MAP/100 CHR D
585-310-113	1	AUDIX Voicepower System R3.0 Maintenance	585-310-150	1	Convers 5.0 MAP/40 Hardware
585-310-115	1	AUDIX Voicepower System R3.0 Software Installation	585-310-151	1	Convers 5.0 Software Installation
585-310-117	1	AUDIX Voicepower Lodging Release 3.0 MAP/5 Installation	585-310-152	1	Convers 5.0 Upgrades
585-310-118	1	AUDIX Voicepower Lodging Release 3.0 Switch Integration to System 75, G1, G3	585-310-153	1	Convers 5.0 Maintenance
585-310-125	1	AUDIX VOICEPOWER Lodging Installation Guide R1.1	585-310-154	1	INT MAP/5 Installation Checklist
585-310-126	1	AUDIX VOICEPOWER Lodging Property Management Installer's Checklist System R1.1	585-310-155	1	INT MAP/40 Installation Checklist
585-310-128	2	AUDIX VOICEPOWER Lodging Property Management System Specifications	585-310-156	1	INT MAP/100 Installation Checklist
585-310-131	1	AUDIX VOICEPOWER Lodging Interface System 75/DEFINITY	585-310-157	1	INT Software Installation R2
585-310-135	1	AUDIX VOICEPOWER R1.1 Installation	585-310-158	1	INT Upgrade MIG R2
585-310-136	1	AUDIX VOICEPOWER Service Management R1.1 Installer's Checklist	585-310-159	1	INT Con Vis Ins
			585-310-160	1	Intuity Software Installation 3.0
			585-310-161	1	Intuity Installation Checklist
			585-310-162	1	Intuity Upgrade Migration Program
			585-310-201	1	AVP R3.0 NEC NEAX 2400 MCI Switch Integration
			585-310-202	1	AUDIX Voicepower System R3.0 System and Feature Description
			585-310-203	1	AUDIX VOICEPOWER System, R3.0 Switch Integration to System 75 DEFINITY Generic 1 and DEFINITY Generic 3
			585-310-205	1	AVP R3.0 Northern Telecom SL-I Switch Integration
			585-310-206	1	AUDIX Voicepower Switch Integration To ROM 8000, 9000, and 9751 CBX
			585-310-208	1	AUDIX Voicepower System R3.0 Switch Integration Toolkit

Number	Issue	Subject	Number	Issue	Subject
585-310-211	1	Intuity AUDIX System Description	585-310-521	1	AVP User's Guide
585-310-212	1	Intuity AUDIX Feature Description	585-310-525	1	AVP Lodging Administration Guide
585-310-214	1	Intuity System 75/G1/G3	585-310-530	1	AVP-SMS — System Manager's Guide
585-310-215	1	Intuity Integration with System 85 and DEFINITY Communications System Generic 2	585-310-532	1	AUDIX Voicepower System R3.0 Administration
585-310-216	1	Intuity Integration NEC NEAX 2400 Switch	585-310-533	1	Intuity AUDIX Digital Networking Administration
585-310-219	1	Intuity Integration 5ESS	585-310-534	1	Intuity Platform Administration and Maintenance
585-310-220	1	Intuity Integration ROLM 8000, 9000, and 9751	585-310-535	1	Intuity AUDIX Announcement Customization - American English
585-310-223	1	Intuity Integration DMS100	585-310-536	1	Intuity AUDIX Announcement Customization - British English
585-310-225	1	Intuity Convers 5.0 System Description	585-310-537	1	Intuity AUDIX Announcement Customization - Latin Spanish
585-310-226	1	Intuity Convers 5.0 IRAPIRP	585-310-538	1	Intuity AUDIX Announcement Customization - French Canadian
585-310-227	1	Intuity Convers 5.0 Application Device	585-310-539	1	Intuity AUDIX Administration
585-310-228	1	Intuity Convers 5.0 Speech Device	585-310-540	1	Intuity Documentation Guide
585-310-229	1	Intuity Convers 5.0 Commands Development	585-310-551	1	Conversvis 5.0 App Description
585-310-230	1	Intuity Convers 5.0 Commands Reference	585-310-552	1	Intuity Audix R3.2 Feature Operation
585-310-231	1	Intuity Integration with Merlin Legend	585-310-553	1	Intuity Message Manager Installation Administration Diagram
585-310-406	1	Intuity Convers 5.0 Change Description	585-310-554	1	Intuity Platform Administration Maintenance R2
585-310-501	1	AUDIX VOICEPOWER Administration Guide	585-310-557	1	Intuity Platform Administration Maintenance 3.0
585-310-502	1	Replacement Chapters Administration Guide	585-310-601	1	AVP-SMS Planning R1.1
585-310-504	1	Switch Specific Implementation /Administration for System 75 — Integrated	585-310-602	1	AUDIX Voicepower System R3.0 Planning
585-310-510	1	Integrated VOICEPOWER Automated Attendant Administration Guide— System 25	585-310-603	1	Intuity New System Planning
585-310-515	1	AUDIX VOICEPOWER Lodging (AVPL)— Manager's Handbook Automated Attendant Administration Guide— System 25	585-310-604	1	Intuity New System Planning R2.0
585-310-515REL	1	AVPL-PMS Release Notes (Chained to 585-310-515)	585-310-650	1	Migration to the Intuity System
585-310-516	1	AVPL Manager's Reference Guide	585-310-651	1	Intuity System R3.0 Plan Migration and Upgrade
Addendum	1		585-310-701	1	AUDIX VOICEPOWER User Guide
585-310-520	1	AVP System Managers Guide and Configuration R1.0	585-310-702	2	AUDIX VOICEPOWER Quick Reference Card (System 25)
			585-310-705	1	AVPL Attendant Quick Reference Guide
			585-310-706	1	AVPL Administrators Quick Reference Guide

Number	Issue	Subject	Number	Issue	Subject
585-310-707	1	AVPL Quick Guest Reference R1.1	585-312-114	1	CONVERSANT Intro R1.0 Application Support Software Administration
585-310-709	1	AVP Wallet Card	585-312-115	1	CONVERSANT SSA Installation
585-310-710	2	AVP-SMS Release 1.1 Service Advisor Reference Artwork	585-312-116	1	CONVERSANT SSA Operation and Maintenance
585-310-711	1	AVP Release 3.0 Portable User Guide	585-312-117	2	CONVERSANT Voice Information System (VIS) Small-Scale Adjunct (SSA) Support (9-93)
585-310-712	1	AUDIX VOICEPOWER System R3.0 Quick Reference	585-312-118	2	CONVERSANT Voice Information System — Small-Scale Adjunct (SSA) Data Collection and Reporting Operations Support (9-93)
585-310-713	1	AUDIX VOICEPOWER System R3.0 Artwork Package	585-312-120	1	ISX Hardware Platform Installation Guide
585-310-714	1	AUDIX VOICEPOWER System R3.0 Wallet Card	585-312-121	1	CONVERSANT Voice Information System Installation and Field Service Guide — Master Controller III
585-310-715	1	AUDIX VOICEPOWER System R3.0 Business Card Sticker	585-312-130	1	Interact Service Express — Installation Guide R1.03
585-310-718	1	Intuity Intro Voice Response	585-312-131	1	Interact Service Express — User's Guide R1.03
585-310-721	1	Outcalling Quick Reference (10-93)	585-312-132	1	Interact Service Express — Consultant's Guide R1.03
585-310-724	1	Intuity VM Artwork Package	585-312-133	1	Interact Service R1.3 Master Controller II + III
585-310-725	1	Intuity Message Manager User Guide	585-312-133A	1	Interact Service R1.3 Master Controller II + III
585-310-727	1	Intuity Con 5.0 Script Builder	<b>585-320 MERLIN MAIL®</b>		
585-310-728	1	Intuity Call Account System User Guide	585-320-101	1	MERLIN LEGEND Mail— Installation Program and Miscellaneous Guide
585-310-729	1	Intuity Call Account Quick Reference	585-320-102	1	Voice R2 Instructions
585-310-730	1	Intuity Audix R3.2 Sub Art	585-320-141	1	MERLIN MAIL Multi-Lingual — Installation R1 System — Programming and Maintenance
585-310-733	1	Intuity Voice FAX Message User Guide	585-320-205	1	CONVERSANT Voice Information System (VIS) SDN NRA Improved Sequence Dialing (ISD) Trouble (7-93)
585-310-734	1	Intuity Voice FAX Message Quick Reference	585-320-501	1	MERLIN LEGEND Mail — Planning Guide and Forms
585-310-735	1	Intuity Audix 3.3 Message Art Addendum	585-320-502	1	R2 Planning Guide
585-310-901	1	AVP R2.1.1 Planning Guide and Forms	585-320-503	1	MERLIN LEGEND Mail — Planning Forms
<b>585-312 CONVERSANT® Voice Information System (VIS) Introduction</b>			585-320-504	1	Plan Forms
585-312-110	1	CONVERSANT Intro R1.0 Installation			
585-312-111	1	CONVERSANT Intro R1.0 Application Development Software Operations			
585-312-112	1	CONVERSANT Intro R1.0 Application Development Software User Guide			
585-312-113	1	CONVERSANT Intro R1.1 Advanced Application Toolkit Reference			



Number	Issue	Subject	Number	Issue	Subject
585-340-501	1	OVATION 6000 Administration and Operation (12-92)	585-350-108	1	Multi-Application Platform/100C Voice Processing Hardware Installation (2-94)
585-340-502	1	OVATION 2000 Administration Operation	Addendum	1	
585-340-503	1	OVATION Manager Administration Operation	585-350-109	1	Multi-Application Platform/40 Voice Processing Hardware Installation (10-93)
585-340-601	1	OVATION 2000 Architecture	585-350-110	2	CONVERSANT Voice Information System Version 4.0 Upgrades
585-340-602	1	OVATION Alarm Processor Operation	585-350-111	1	CONVERSANT Voice Information System Version 4.0 Software Installation (11-93)
585-340-701	2	OVATION FaxMail Pocket User Guide (1-94)	585-350-112	1	CONVERSANT Voice Information System Version 4.0 Maintenance (12/93)
585-340-702	3	OVATION Version 4.6 Voice Mail User Guide (1-94)	585-350-113	1	CONVERSANT Voice Information System Version 4.0 Installation Checklists (11-93)
585-340-703	3	OVATION VoiceMail Pocket User Guide	585-350-201	1	CONVERSANT Voice Information System — System Description (7-93)
585-340-704	3	OVATION Quick Reference Guide for VoiceMail — Common Access	585-350-202	1	CONVERSANT V3.1 Application Development
585-340-713	2	OVATION Quick Reference Guide for VoiceMail — Direct Inward Dialing (1-94)	585-350-203	1	CONVERSANT V3.1 Command Reference
585-340-901	1	OVATION Voice Messaging System Site Preparation Guide for AT&T 5ESS® Switch Central Office Installation (6/93)	585-350-204	1	CONVERSANT SCSI Mirroring
585-340-902	1	OVATION Voice Messaging System Translation Guide for AT&T 5ESS® Switch Central Office Installation (6/93)	585-350-205	2	CONVERSANT V3.1 SDN NRA improved Sequence Dialing
<b>585-350/351 CONVERSANT®</b>			Addendum	1	
585-350-001	2	CONVERSANT Documentation Guide	585-350-207	1	CONVERSANT Voice Information System — System Description (11-94)
585-350-002	1	Conversant Voice Information System Version 4.0 Documentation Guide (11-93)	585-350-208	1	CONVERSANT Voice Information System Version 4.0 Application Development (11-93)
Addendum	1		585-350-209	1	CONVERSANT V4.0 Command Reference
585-350-003	1	CONVERSANT Marketing Guide	585-350-210	1	CONVERSANT Voice Information System FAX Attendant Co-Residency (11-93)
585-350-004	1	CONVERSANT V3.1 Master Index	585-350-211	1	CONVERSANT Voice Information System Version 4.0 486 CPU Upgrade Kit for MAP/100 and MAP/100C
585-350-104	1	CONVERSANT V3.1 Software Installation and Upgrade	585-350-212	1	CONVERSANT Voice Information System Version 4.0 SCSI Disk Drive Upgrade Kit for MAP/100 & 100C (11-93)
585-350-105	1	CONVERSANT V3.1 Maintenance	585-350-213	1	CONVERSANT Voice Information System Version 4.0 Upgrade Kit for MAP/40
585-350-106	1	CONVERSANT V3.1 Installation Checklist			
Addendum	1				
585-350-107	2	Multi-Application Platform/100 Voice Processing Hardware Installation (10-93)			

Number	Issue	Subject	Number	Issue	Subject
585-350-214	1	CONVERSANT Voice Information System Solutions for DEFINITY Call Center	585-350-809	1	CONVERSANT Local Area Network
585-350-215	1	Asynchronous Host Toolkit for CONVERSANT VIS Version 4.0	585-350-810	1	CONVERSANT Net View Alarms
585-350-401	1	CONVERSANT V3.1 Change Description	585-350-811	1	CONVERSANT Voice Information System Call Classification Analyst (11-93)
585-350-402	1	CONVERSANT Voice Information System Version 4.0 Change Description (11-93)	585-350-812	1	CONVERSANT Voice Information System Adjunct/Switch Application Interface (11-93)
585-350-501	11/93	CONVERSANT V4.0 Application Design Handbook	585-350-813	2	CONVERSANT V4.0 Voice Information System Whole Word Speech Recognition
585-350-601	1	CONVERSANT Voice Information System — Version 3.1 Planning (7-93)	585-350-814	1	CONVERSANT Voice Information System Flex Word Recognition
Addendum	1		585-350-815	1	CONVERSANT Voice Information System Host Interface (11-93)
585-350-602	1	CONVERSANT Voice Information System — Version 4.0 Planning (2-94)	585-350-816	1	CONVERSANT Voice Information System Consumer Long Distance (CLD) Support Version 1.1
585-350-701	1	CONVERSANT V3.1 Operations	585-350-818	3	CONVERSANT Signature 800 with Access Code Support
585-350-702	1	CONVERSANT Script Builder	585-350-821	1	CONVERSANT Voice Information System (Spanish)
Addendum	1		585-351-101	1	CONVERSANT Introduction — Hardware and Software Installation (8-93)
585-350-703	1	CONVERSANT Voice Information System Version 4.0 Operations (11-93)	585-351-102	1	CONVERSANT V3.1.1 Upgrades
585-350-704	1	CONVERSANT Voice Information System Script Builder (10-93)	585-351-103	1	CONVERSANT Into MAP/5 Installation
585-350-705	1	CONVERSANT Graphical Speech Editor (12-93)	585-351-501	1	CONVERSANT Introduction — Operations (8-93)
585-350-706	1	CONVERSANT Silent Sentry	585-351-502	1	CONVERSANT Introduction — System Description (8-93)
585-350-707	2	CONVERSANT Directory Assistant Software Operation	585-351-503	1	CONVERSANT Into MAP/5 System Description
585-350-708	1	CONVERSANT Script Builder FAX Actions (9-94)	585-351-701	1	CONVERSANT Introduction — Script Builder User's Guide (8-93)
585-350-709	1	CONVERSANT Script Builder FAX			
585-350-801	1	CONVERSANT External Alarms			
585-350-802	1	CONVERSANT Call Classification Analysis			
585-350-803	1	CONVERSANT Speech Recognition			
585-350-804	1	CONVERSANT Adjunct/Switch Application Interface			
585-350-805	1	CONVERSANT Primary Rate Interface			
585-350-806	1	CONVERSANT Form Filler +			
585-350-807	1	CONVERSANT Text to Speech			
585-350-808	1	CONVERSANT COMPUERT®/SCCS			

**Division 590****Data Systems — General Information****590-000 Indexes and Reference Guides****-010 General Installation, Maintenance, and Test Information****-011 Data Sets in 40A3 Data Mountings****-100 Data Units****-101 Circuit Packs****-102 Data Mountings****-103 Data Coupler****-104 Data Multiplexer****-105 Data Station Selector****-106 Adapter****-200 Electronic Blackboard**

Number	Issue	Subject
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**590-000 Indexes and Reference Guides**

590-000-000	27	Numerical Index — Division 590 — Data Systems — General Information
590-000-100	3	Implementation of Data Services Interdepartmental Coordination
590-000-101	1	Description of Data Set Features and Options
590-000-102	3	Reference Guides — Cross-Reference Information
590-000-103	1	Data Apparatus Substitution Guide
590-000-110	1	1000A Data Coupler — Reference Guide
590-000-111	3	Data Services — Data Access Arrangement USOC CBS — Provided by 1001A and 1001F Data Couplers — Reference Guide
590-000-112	2	Data Services — Data Access Arrangement USOC CBT — Provided by 1001B and 1001D Data Couplers — Reference Guide
590-000-120	1	DATAPHONE® Multiplex Service — Data Multiplex System Using 1200A-Type Data Multiplexer — Reference Guide

Number	Issue	Subject
590-001-100	2	Data Set 103A-Type — Reference Guide
590-001-101	1	Data Set 103B — Reference Guide
590-001-103	1	Data Set 103E-Type — Reference Guide
Addendum	1	
590-001-104	2	Data Set 103F-Type — Reference Guide
590-001-105	1	Data Set 103G-Type — Reference Guide
590-001-106	1	Data Set 103H1 — Reference Guide
590-001-107	1	Data Set 108-Type — Used With Voice Grade Circuits — Reference Guide
590-001-108	2	Data Set 113A-Type — Reference Guide
590-001-109	1	113-Type Data Station
590-002-100	2	Data Services — 2000 and 2400 BPS Provided by Data Set 201-Type — Reference Guide
590-002-101	1	Data Service up to 1200 BPS on the Switched Network — Provided by Data Set 202S-Type — Reference Guide
590-002-102	5	Data Set 202C-Type — Reference Guide
590-002-103	3	Data Set 202D-Type — Reference Guide
590-002-104	1	Data Set 202E-Type — Reference Guide
590-002-105	1	Data Set 205B-Type — Reference Guide
590-002-106	1	Data Set 205C2 — Reference Guide
Addendum	1	
590-002-107	1	Data Set 203-Type — Reference Guide
590-002-108	2	Data Set 202R — Reference Guide
590-002-110	3	4800-Bit Per Second (BPS) — Service Using Data Set 208-Type
590-002-115	1	9600-Bits Per Second (BPS) — Service Using Data Set 209A-L1 — Reference Guide
590-004-100	2	Parallel Data Transmission Up to 20 Characters per Second Provided by Data Sets 401-Type — Reference Guide



Number	Issue	Subject	Number	Issue	Subject
590-004-104	2	Data Set 402A-Type and Data Set 402C-Type — Reference Guide	<b>590-010 General Installation, Maintenance, and Test Information</b>		
590-004-105	1	Data Set 402D-Type — Reference Guide	590-010-200	4	Data Sets and Data Access Arrangements — General Installation and Connection Information
590-004-106	3	Data Sets 403A-, D-, and E-Types — Reference Guide	590-010-201	8	Data Sets — Multiple Installation Information
590-004-107	1	Data Set 401L-Type — Reference Guide	590-010-202	2	Data Sets — Station Arrangements for Mixed Data Set Types in 40A-Type Data Mountings
590-004-109	2	407-Type Multiple Data Station — Reference Guide	590-010-300	1	Data Systems — DATAPHONE Service on Direct Dialing Network — Overall Field Force Maintenance Procedures
590-004-115	1	VU SET* DS151A Data Station — Description, Installation, and Maintenance	590-010-400	1	Manual Key Switching — Arrangements for Data Services — Installation and Connection Diagrams
590-005-100	1	Data Service Unit and Channel Service Unit for DATAPHONE Digital Service — Private Line — Reference Guide	590-010-500	2	J1P005 Automatic Data Test System (ADTS) — Operation From Field Locations
590-005-101	1	Data Service Unit and Channel Service Unit for DATAPHONE Switched Digital Service — Reference Guide	<b>590-011 Data Sets in 40A3 Data Mountings</b>		
590-006-100	1	Data Set 601-Type — Reference Guide	590-011-202	1	Data Sets — Registered — Arrangements
590-006-101	3	Data Set 602C-Type — Reference Guide	<b>590-100 Data Units</b>		
590-006-102	1	Data Sets 603A-Type and 603D — Reference Guide	590-100-100	2	58A Control Unit — Identification
590-006-103	2	Data Set 603B-Type — Reference Guide	590-100-101	3	3A-Type — Identification
① 590-006-104	2	Data Set 604A-Type — Reference Guide	590-100-102	2	Station Reverse Channel Units 1A-Type, 1B-Type, 2A-Type Data Units — Description and Operation
① 590-006-105	2	Data Set 604B-Type — Reference Guide	① 590-100-103	1	5A1 — Description
590-006-106	1	Data Set 602D-Type — Reference Guide	590-100-104	1	4B1 — Description and Operation
590-008-100	2	Data Auxiliary Set 801A-Type — Reference Guide	590-100-106	3	10A-Type — Identification
590-008-101	2	Data Auxiliary Set 801C-Type — Reference Guide	① 590-100-107	1	11A — Identification
590-008-102	2	Data Auxiliary Set 804A-Type — Reference Guide	① 590-100-108	1	12A-Type — 12B-Type — Identification
590-008-103	1	Data Auxiliary Set 801C List Type	590-100-110	2	8A-Type — Identification
590-009-100	2	Returned Material Tag — General Information	590-100-111	2	15A1, 15A2, and 15A3 — Identification
			590-100-112	2	14A2 — Identification
			590-100-113	1	16A1 — Identification
			590-100-114	2	27A1 and 27B1 — Identification
			590-100-115	2	22A-Type (Transmitter) — Identification

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Number	Issue	Subject	Number	Issue	Subject
590-100-116	2	23A-Type (Receiver) — Identification	<b>590-102 Data Mountings</b>		
Addendum	1		590-102-100	1	1A-Type — Identification
590-100-117	2	24A-Type (Common Control Equipment) — Identification	590-102-101	2	1B2-Type — Identification
590-100-122	2	32A-Type — Description and Operation	590-102-102	1	2A-Type — Identification
590-100-123	1	33-Type Data Unit — Description	590-102-104	1	4A-Type — Identification
590-100-126	1	35A1 — Identification	590-102-105	1	5A-Type — Identification
590-100-127	1	36A1 — Identification	590-102-106	1	6A-Type — Identification
590-100-128	1	37A1 — Identification	590-102-110	1	18A1 — Identification
590-100-129	1	38A — Identification	590-102-111	1	19A1 — Identification
590-100-130	1	39A1 — Identification	590-102-112	1	20A1 — Identification
590-100-131	1	44A1 — Tone Detector — Description	590-102-113	2	21-Type — Identification
590-100-132	2	46A1 — Identification	590-102-114	2	22-Type — Identification
590-100-133	2	47A1 — Identification	590-102-119	2	23-Type — Identification
590-100-134	2	48-Type — Identification	590-102-123	1	27-Type — Identification
590-100-135	1	45-Type — Identification	590-102-124	4	28-Type — Identification
590-100-136	1	50A1 — Identification	590-102-125	1	29-Type — Identification
590-100-137	1	51A1 — Identification	590-102-127	2	31A2 — Identification
590-100-138	1	53A1 — Description, Operation, and Tests	590-102-128	2	32A1 — Identification
590-100-139	1	52A1 — Identification	590-102-129	1	37A1 — Identification
590-100-141	2	57A1 and 57B1 Data Units — Description, Operation, Installation and Testing	590-102-130	2	39A1 — Identification
<b>590-101 Circuit Packs</b>			590-102-131	5	40-Type — Identification
590-101-000	2	150A Channel Service Unit — Description, Installation, Maintenance, and Tests	590-102-132	3	41-Type — Identification
590-101-100	1	AR578 — Identification	590-102-133	3	42A-Type Data Mounting — Identification
590-101-102	1	AR751 — Identification	590-102-134	2	44A-Type Data Mountings — Identification
590-101-103	5	97-Type Connecting Blocks and 97A-Type Data Mountings — Identification, Installation, Maintenance, and Testing — Single and Multiline Installations — Jacks for Registered Data Equipment	590-102-135	1	45A1 Data Mounting — Identification
590-101-180	1	150A Channel Service Unit — Station — Summarizing Specification	590-102-136	2	46-Type — Identification
			590-102-137	3	47-Type Data Mounting — Identification
			590-102-138	1	43A1 Data Mounting — Identification
			590-102-139	1	48A-Type Data Mounting — Identification
			590-102-140	3	49A1 Data Mounting — Identification
			590-102-141	1	50A1 Data Mounting — Identification
			590-102-142	2	52A-Type Data Mountings — Identification
			590-102-143	1	55A1 Data Mounting — Identification

Number	Issue	Subject	Number	Issue	Subject
590-102-144	1	59A1 — Identification	<b>590-104 Data Multiplexer</b>		
590-102-153	1	57-Type Data Mounting	590-104-100	2	Using 1200-Type Data Multiplexer — Description
590-102-161	2	64A- and 64C-Type Data Mounting — Identification	590-104-101	2	1200A-Type — Description
590-102-160	1	63A-Type Data Mounting — Identification	590-104-102	1	1800B-L1 Data Control Unit (RCU) — Description
590-102-162	2	65A-Type Data Mounting — Identification	590-104-103	2	1800A-L1 Data Control Unit — Description and Operation
590-102-164	1	62A1 — Identification	<b>590-105 Data Station Selector</b>		
<b>590-103 Data Coupler</b>			590-105-100	2	Select-A-Station Service — J70180AA — Description
❶ 590-103-100	1	F-57951 — Description, Installation, Maintenance, and Testing	590-105-101	2	Data Station Selector — J70180AA Select- A-Station Service — DATAPHONE Data Communications Service
Addendum	1		590-105-110	1	Transaction Network — 1A-Type DSS J70181AA — Description, Operation, and Theory
❶ 590-103-101	1	F-58012 — Description and Operation	590-105-180	1	1A Type — Transaction Network — Summarizing Specification
Addendum	1		<b>590-106 Adapters</b>		
590-103-102	1	F58118 — Description, Installation, Maintenance, and Testing	590-106-100	2	330-Type — Description, Installation, and Tests
Addendum	1		<b>590-200 Electronic Blackboard</b>		
590-103-103	4	1000A — Description, Installation, Maintenance, and Tests	590-200-100	2	Description, Installation, Maintenance, and Tests
590-103-104	5	1001A — Description, Installation, Maintenance, and Tests			
590-103-106	4	1001B — Description, Installation, Maintenance, and Tests			
590-103-108	1	1000B — Description, Installation, Maintenance, and Tests			
Addendum	1				
590-103-109	3	1001D — Description, Installation, Maintenance, and Tests			
Addendum	1				
590-103-111	3	1001F — Description, Installation, Maintenance, and Tests			
❶ 590-103-201	2	F-58012 — Installation and Connections			
❶ 590-103-301	1	F-58012 — Maintenance			
Addendum	1				
❶ 590-103-501	1	F-58012 — Test Procedures			

**Division 591**

**100 Series Data Sets And Associated Services**

- 000 Index
- 012 101A- and 101B-Type
- 013 101C-Type
- 014 103A-Type
- 015 103B-Type
- 016 103C-Type
- 018 105A- and 105B-Type
- 019 103F-Type
- 020 105C-Type
- 021 101E-Type
- 023 108A- and 108C-Type
- 024 109A-Type
- 025 103E-Type
- 026 103G-Type
- 027 103H-Type
- 028 108D- and 108E-Type
- 029 109D-Type
- 030 114A-Type
- 031 109C-Type
- 032 112A-Type
- 033 113A-Type
- 034 113B-L1-Type
- 035 109F-Type
- 036 109E-Type
- 037 109H-Type
- 038 115A-Type
- 039 103J-Type
- 040 113D
- 041 113C
- 042 108F and G
- 043 108H and J
- 044 103JR-L1/2
- 045 113AR-L1C
- 046 113CR-L1A/2
- 047 113DR-L1/2
- 048 113AR-L1B

- 801 Station Arrangements Using 37KSR Teletypewriter
- 802 Station Arrangements Using 37ASR Teletypewriter
- 803 Station Arrangements Using 37RO Teletypewriter
- 806 35 Controlmatic Teletypewriter Data Stations
- 810 10-Type Data Line Concentrator System (DATREX)
- 811 10A and 10B Data Line Concentrator
- 812 Secure Model 28 Teletypewriter Station
- 813 1A Data Station
- 814 113-Type Data Station
- 815 Station Arrangements Using 33 and 35 Teletypewriter
- 816 Private Line Station Arrangements Using Data Sets 108 and 109

Number	Issue	Subject
<b>591-000 Index</b>		
591-000-000	11	Numerical Index — 591 — 100 Series Data Sets and Associated Services
<b>591-012 101A and 101B-Type</b>		
591-012-100	2	3-Row Teletypewriter Station Arrangement for TWX and Data Set 101A for DATAPHONE® Service — Description and Operation
Addendum	3	
591-012-200	2	3-Row Teletypewriter Station — Data Sets 101A and 101B for TWX Service and Data Set 101A for DATAPHONE Service — Tests and Installation Methods
591-012-201	1	3-Row Teletypewriter Station — Data Set 101A for DATAPHONE Service — Tests and Installation Methods
Addendum	1	
591-012-300	2	Used with 3-Row TWX — Locating Trouble and Test Procedures

Number	Issue	Subject	Number	Issue	Subject
<b>591-013 101C-Type</b>			<b>591-018 105A- and 105B-Type</b>		
591-013-100	2	Identification and Operation	591-018-100	1	Description and Operation
Addendum	2		591-018-200	2	105A and 105B — Tests and Installation Methods
591-013-200	4	Tests and Installation Methods	591-018-300	3	105A and 105B — Maintenance and Test Procedures
591-013-300	2	Used with 4-Row TWX — Locating Trouble and Test Procedures			
<b>591-014 103A-Type</b>			<b>591-019 103F-Type</b>		
591-014-100	6	Description and Operation	591-019-100	2	103F1 — Transmitter-Receiver — Description and Operation
591-014-101	2	103A3 — Description and Operation	591-019-200	2	103F1 — Transmitter-Receiver — Installation
Addendum	1		591-019-300	2	103F1 — Transmitter-Receiver — Maintenance
591-014-200	9	Installation and Connections	591-019-400	3	Transmitter-Receiver — Connections
591-014-201	2	103A3 — Installation and Connections	Addendum	2	
591-014-300	3	Maintenance	591-019-500	3	Test Procedures
591-014-301	1	103A3 — Maintenance			
591-014-500	7	103A2, 103A2A, and 103A2B — Test Procedures	<b>591-020 105C-Type</b>		
Addendum	1		591-020-100	1	Test Procedures Used on Private Service Systems — Switching System No. 307 — Description and Operation
591-014-501	1	103A3 — Test Procedures	591-020-200	1	Used on Private Service Systems — Switching System No. 307 — Installation
591-014-502	1	Test Procedures Using 921A Data Test Set	591-020-300	1	Used on Private Service Systems — Switching System No. 307 — Maintenance
<b>591-015 103B-Type</b>			591-020-400	1	Used on Private Service Systems — Switching System No. 307 — Connections
591-015-100	1	Transmitter-Receiver — Description and Operation	591-020-500	1	Used on Private Service Systems — Switching System No. 307 — Test Procedures
591-015-200	2	Transmitter-Receiver — Installation and Connections			
591-015-300	1	Transmitter-Receiver — Maintenance	<b>591-021 101E-Type</b>		
591-015-500	4	Transmitter-Receiver — Test Procedures	❶ 591-021-100	1	Description and Operation
<b>591-016 103C-Type</b>			❶ 591-021-200	1	Installation and Connections
591-016-100	1	Transmitter-Receiver for Private Line Service — Identification and Operation	❶ 591-021-300	1	Maintenance
591-016-200	2	Transmitter-Receiver for Private Line Service — Installation and Connection	❶ 591-021-500	1	Test Procedures
591-016-300	2	Transmitter-Receiver for Private Line Service — Maintenance	<b>591-023 108A and 108C-Type</b>		
591-016-500	2	Transmitter-Receiver for Private Line Service — Test Procedures	591-023-100	2	Private Line System Station Application — Description

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		591-023-502	1	Multiple Private Line Station Arrangement — Using Data Auxiliary Set 820E-Type — Test Procedures
591-023-101	3	Single Private Line Station — Using Data Auxiliary Set 820D-Type — Description and Operation	Addendum	1	
591-023-102	1	Multiple Private Line Station Arrangement — Using Data Auxiliary Set 820E-Type — Description	591-023-510	2	Data Set 108A- or C-Type Single Private Line Station — Using Data Auxiliary Set 820D-L1 or 820D-L1A in 10-Type Data Line Concentrator System (DLCS) — Test Procedures
591-023-110	2	Data Set 108A- or C-Type Single Private Line Station — Using Data Auxiliary Set 820D-L1 or 820D-L1A in the 10-Type Data Line Concentrator System (DLCS)	<b>591-024 109A-Type</b>		
Addendum	1		591-024-100	1	Identification
591-023-201	3	Single Private Line Station — Using Data Auxiliary Set 820D-Type — Installation and Connections	591-024-101	2	Single Private Line Station Using Data Auxiliary Set 820D-Type — Description and Operation
591-023-202	1	Multiple Private Line Station Arrangement Using Data Auxiliary Set 820E-Type — Installation and Connections	591-024-102	1	Multiple Private Line Station Using Data Auxiliary Set 820E2 and KS-20018 Cabinet — Description and Operation
Addendum	1		591-024-103	1	Multiple Private Line Station Using Data Auxiliary Set 820E2 and KS-20093 Cabinet — Description and Operation
591-023-210	2	Data Set 108A- or C-Type Single Private Line Station Using Data Auxiliary Set 820D-L1 or 820D-L1A in 10-Type Data Line Concentrator System (DLCS) — Installation and Connections	591-024-201	2	Single Private Line Station Using Data Auxiliary Set 820D-Type — Installation and Connections
591-023-300	1	Data Set 108-Type Private Line System Station Application Maintenance	591-024-202	1	Multiple Private Line Station Using Data Auxiliary Set 820E2 and KS-20018 Cabinet — Installation and Connections
591-023-301	3	Single Private Line Station — Using Data Auxiliary Set 820D — Maintenance	591-024-203	1	Multiple Private Line Station Using Data Auxiliary Set 820E2 and KS-20093 Cabinet — Installation and Connections
591-023-302	1	Multiple Private Line Station Arrangement — Using Data Auxiliary Set 820E-Type — Maintenance	591-024-301	2	Single Private Line Station — Using Data Auxiliary Set 820D-Type — Maintenance Procedures
591-023-310	2	Data Set 108A- or C-Type Single Private Line Station — Using Data Auxiliary Set 820D-L1 or 820D-L1A in 10-Type Data Line Concentrator System (DLCS) — Maintenance	591-024-501	1	Single Private Line Station Using Data Auxiliary Set 820D-Type — Test Procedures
Addendum	1		<b>591-025 103E-Type</b>		
591-023-501	3	Single Private Line Station — Using Data Auxiliary Set 820D-Type — Test Procedures	591-025-100	3	Identification
			Addendum	1	
			591-025-101	3	Data Station — Using KS-20093 Cabinets — Description and Operation

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		591-028-302	1	Multiple Private Line Station Arrangement Using 28A1 Data Mounting and 27B1 Data Unit — Maintenance
591-025-201	4	Data Station — Using KS-20093 Cabinets — Installation and Connections	Addendum	1	
591-025-301	4	Data Station — Using KS-20093 Cabinets — Maintenance	591-028-501	1	Single Private Line Station Arrangement — Using Data Auxiliary Set 820D — Test Procedures
591-025-501	5	Data Station — Using KS-20093 Cabinets — Test Procedure	Addendum	1	
<b>591-026 103G-Type</b>			591-028-502	1	Multiple Private Line Station Arrangement Using 28A1 Data Mounting and 27B1 Data Unit — Test Procedures
591-026-100	3	Description and Operation	<b>591-029 109D-Type</b>		
591-026-200	4	Installation and Connections	591-029-100	1	Description
591-026-300	3	Maintenance	591-029-101	1	Multiple Data Set Arrangement Using 28A1 Data Mounting and 27A1 Data Unit — Description
Addendum	1		591-029-180	1	Transmitter/Receiver Summarizing Specification Data Systems Stations
591-026-500	3	Test Procedures	591-029-201	1	Multiple Data Set Arrangement — Using 28A1 Data Mounting and 27A1 Data Unit — Installation and Connections
<b>591-027 103H-Type</b>			591-029-301	1	Multiple Data Set Arrangement Using 28A1 Data Mounting and 27A1 Data Unit — Maintenance
591-027-100	2	Description and Operation	591-029-501	1	Multiple Data Set Arrangement Using 28A1 Data Mounting and 27A1 Data Unit — Test Procedure
591-027-200	3	Installation and Connections	<b>591-030 114A-Type</b>		
591-027-300	2	Maintenance	591-030-100	1	Transmitter — Identification and Connections
Addendum	1		<b>591-031 109C-Type</b>		
591-027-500	2	Test Procedures	591-031-101	2	Used in 10-Type Data Line Concentrator System (DATREX) — Description and Operation
<b>591-028 108D- and 108E-Types</b>			591-031-180	1	Summarizing Specification — Product Engineering Application — Data System — Station
591-028-100	2	Description — Used in Station Applications	591-031-201	2	Used in 10-Type Data Line Concentrator System (DATREX) — Installation
Addendum	1				
591-028-101	1	Single Private Line Station Arrangement — Using Data Auxiliary Set 820D — Description and Operation			
591-028-102	1	Multiple Private Line Station Arrangement Using 28A1 Data Mounting and 27B1 Data Unit — Description			
591-028-180	1	Transmitter/Receiver Summarizing Specification			
Addendum	1				
591-028-201	1	Single Private Line Station Arrangement — Using Data Auxiliary Set 820D — Installation			
591-028-202	1	Multiple Private Line Station Arrangement Using 28A1 Data Mounting and 27B1 Data Unit — Installation and Connections			
591-028-301	1	Single Private Line Station Arrangement — Using Data Auxiliary Set 820D — Maintenance			

Number	Issue	Subject	Number	Issue	Subject
591-031-301	2	Used in 10-Type Data Line Concentrator System (DATREX) — Maintenance	591-035-301	1	Used in DATREX Service — Maintenance
591-031-501	2	Used in 10-Type Data Line Concentrator System (DATREX) — Test Procedures	591-035-500	1	Private Line Application — Test Procedures
			591-035-501	1	Used in DATREX Service — Test Procedure
<b>591-032 112A-Type</b>			<b>591-036 109E-Type</b>		
591-032-100	1	Description and Operation	591-036-100	1	Identification
591-032-180	1	Transmitter/Receiver Summarizing Specification Data Systems Station	591-036-101	2	Multiple Data Set Arrangement Using 28A1 Data Mounting and 27-Type Data Unit — Description
591-032-300	1	Maintenance	Addendum	1	
591-032-500	1	Test Procedures	591-036-102	1	Single Private Line Station Using Data Auxiliary Set 820D-Type — Description
<b>591-033 113A-Type</b>			591-036-180	1	Summarizing Specification — Data Systems
591-033-100	2	Description and Operation	591-036-201	2	Multiple Data Set Arrangement Using 28A1 Data Mounting and 27-Type Data Unit — Installation and Connections
591-033-110	1	Description and Operation	Addendum	1	
591-033-180	1	Transmitter/Receiver Summarizing Specification — Product Engineering Application	591-036-202	1	Single Private Line Station Using Data Auxiliary Set 820D-Type — Installation and Connections
591-033-200	4	Installation and Connection	591-036-301	2	Multiple Data Set Arrangement Using 28A1 Data Mounting and 27-Type Data Unit — Maintenance
591-033-210	1	Installation and Connections	591-036-302	1	Single Private Line Station Using Data Auxiliary Set 820D-Type — Maintenance Procedures
591-033-300	2	Maintenance	591-036-501	2	Multiple Data Set Arrangement Using 28A1 Data Mounting and 27-Type Data Unit — Test Procedures
591-033-500	2	Test Procedure	591-036-502	1	Single Private Line Station Using Data Auxiliary Set 820D-Type — Test Procedures
591-033-510	1	Test Procedure	<b>591-037 109H-Type</b>		
591-033-511	1	113A-L1B — Test Procedures Using 921A Data Test Set	591-037-100	1	Private Line Application — Description and Operation
<b>591-034 113B-L1-Type</b>			591-037-101	1	Used in a Data Line Concentrator System — Description and Operation
591-034-100	1	Identification	591-037-180	1	Summarizing Specification — Station
<b>591-035 109F-Type</b>					
591-035-100	1	Private Line Application — Description and Operation			
591-035-101	1	Used in DATREX Service — Description and Operation			
591-035-180	1	Summarizing Specification — Data Systems — Station			
591-035-200	1	Private Line Application — Installation			
591-035-201	1	Used in DATREX Service — Installation and Connections			
591-035-300	1	Private Line Application — Maintenance			



Number	Issue	Subject	Number	Issue	Subject
591-037-200	2	Private Line Application — Installation	591-040-502	1	Testing Data Set 113D-L1/2 From Field Locations—Using J1P005 Automatic Data Test System (ADTS)
Addendum	1				
591-037-201	1	Data Line Concentrator System — Installation and Connections			
591-037-300	1	Private Line Application — Maintenance	<b>591-041 113C</b>		
591-037-301	1	Data Line Concentrator System — Maintenance	591-041-100	1	113C-L1/2 Transmitter Receiver — Single Set — Description and Operation
591-037-500	1	Private Line Application — Test Procedures	591-041-200	1	113C-L1/2 Transmitter Receiver — Single Set — Installation and Connections
591-037-501	1	Used in a Data Line Concentrator System — Test Procedures	591-041-500	1	113C-L1/2 Transmitter Receiver — Test Procedures
<b>591-038 115A-Type</b>			591-041-501	1	113C-L1/2 — Transmitter-Receiver — Test Procedures Using 921A Data Test Set
591-038-100	1	Identification	591-041-502	1	Testing Data Set 113C-L1/2 From Field Locations — Using J1P005 Automatic Data Test System (ADTS)
<b>591-039 103J-Type</b>					
591-039-100	1	103J-L1/2 — Transmitter-Receiver — Single Set — Description and Operation	<b>591-042 108F and G</b>		
591-039-200	1	103J-L1/2 Transmitter-Receiver — Single Set — Installation and Connections	591-042-100	1	Identification
591-039-500	1	103J-L1/2 Transmitter-Receiver — Test Procedures	<b>591-043 108H and J</b>		
591-039-501	1	103J-L1/2 — Transmitter-Receiver — Test Procedures Using 921A Data Test Set	591-043-100	1	Description
591-039-502	1	Testing Data Set 103J-L1/2 From Field Locations — Using J1P005 Automatic Data Test System (ADTS)	591-043-200	2	Installation and Connections
			591-043-500	1	Data Sets — Test Procedures
<b>591-040 113D</b>			<b>591-044 103JR-L1/2</b>		
591-040-100	1	113D-L1/2 Transmitter-Receiver — Single Set — Description and Operation	591-044-100	1	Transmitter-Receiver — Single Set — Description and Operation
591-040-200	1	113D-L1/2 Transmitter-Receiver — Single Set — Installation and Connections	591-044-200	2	Data Set 103JR-L1/2 — Installation and Connections — Transmitter-Receiver — Single Set — Installation and Connections
591-040-500	1	113D-L1/2 Transmitter-Receiver — Test Procedures	591-044-500	1	Transmitter-Receiver — Single Set — Test Procedures
591-040-501	1	113D-L1/2 — Transmitter Receiver — Test Procedures Using 921A Data Test Set	591-044-501	1	Transmitter Receiver — Single Set — Test Procedures Using 921A Data Test Set
			<b>591-045 113AR-L1C</b>		
			591-045-100	1	Description and Operation

Number	Issue	Subject	Number	Issue	Subject
591-045-200	1	Installation and Connections	591-801-201	2	37 Teletypewriter Keyboard Send-Receive (KSR) — Data Station Arrangements DATAPHONE — Installation
591-045-500	1	Test Procedure	591-801-202	2	Nonswitched Point-to-Point Private Line Service — Installation
<b>591-046 113CR-L1A/2</b>			① 591-801-300	1	DATAPHONE — Maintenance
591-046-100	1	Transmitter-Receiver — Single Set — Description and Operation	① 591-801-400	1	Appendix 1
591-046-200	1	Transmitter-Receiver — Single Set — Installation and Connections	① 591-801-500	1	DATAPHONE — Wiring
591-046-500	1	Transmitter-Receiver — Single Set — Test Procedures	① 591-801-702	1	DATAPHONE — Test Procedures
591-046-501	1	Transmitter-Receiver — Single Set — Test Procedures Using 921A Data Test Set			DATAPHONE — Disassembly and Reassembly
<b>591-047 113DR-L1/2</b>			<b>591-802 Station Arrangements Using 37ASR Teletypewriter</b>		
591-047-100	1	Transmitter-Receiver — Single Set — Description and Operation	591-802-100	1	37 Teletypewriter Automatic Send-Receive (ASR) Data Station Arrangement — DATAPHONE — Description
591-047-200	1	Transmitter-Receiver — Single Set — Installation and Connections	591-802-101	2	37 Teletypewriter Automatic Send-Receive (ASR) Station Arrangement — Nonswitched Point-to-Point — Private Line Service — Description and Operation
591-047-500	1	Transmitter-Receiver — Single Set — Test Procedures	591-802-200	1	37 Teletypewriter Automatic Send-Receive (ASR) Data Station Arrangements — DATAPHONE — Installation
591-047-501	1	Transmitter-Receiver — Single Set — Test Procedures Using 921A Data Test Set	591-802-201	1	Nonswitched Point-to-Point Private Line Service — Installation
<b>591-048 113AR-L1B</b>			<b>591-803 Station Arrangements Using 37RO Teletypewriter</b>		
591-048-100	1	Description and Operation	591-803-101	1	Nonswitched Point-to-Point Private Line Service — Description and Operation
591-048-200	1	Installation and Connections	591-803-201	1	Nonswitched Point-to-Point Private Line Service — Installation
591-048-500	1	Test Procedure	<b>591-806 35 Controlmatic Teletypewriter Data Stations</b>		
591-048-501	1	Test Procedure Using 921A Data Test Set	Addendum	1	
<b>591-801 Station Arrangements Using 37KSR Teletypewriter</b>			591-806-101	1	Arranged for Private Line Service — Description and Operation
① 591-801-100	2	DATAPHONE — Description and Operation			
591-801-101	1	Keyboard Send-Receive (KSR) Data Station Arrangement — DATAPHONE — Description			
591-801-102	2	Nonswitched Point-to-Point Private Line Service — Description and			
Appendix	2	Operation and			
① 591-801-200	1	DATAPHONE — Installation			

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		591-811-183	2	DATAPHONE Interconnection Arrangement for Line Side — Summarizing Specification
591-806-102	1	Arranged for TWX — Description and Operation	591-811-184	1	DATAPHONE Interconnection Arrangements for Trunk Side — Summarizing Specification
591-806-201	1	Arranged for Private Line Installation	Addendum	1	
591-806-202	1	Arranged for TWX Installation	591-811-200	1	Installation
591-806-301	1	Arranged for Private Line Service — Maintenance	Addendum	1	
591-806-302	1	Arranged for TWX Service — Maintenance	591-811-201	1	10B — Installation and Connections
591-806-501	2	Arranged for Private Line Service — Tests	591-811-202	2	Private Line Interconnection Arrangement for Line Side of 10-Type — Installation and Connection
591-806-502	2	Arranged for TWX Service — Tests	591-811-203	1	DATAPHONE Interconnection Arrangement for Line Side of 10-Type — Installation and Connection
<b>591-810 10-Type Data Line Concentrator System (DATREX)</b>			591-811-204	1	DATAPHONE Interconnection Arrangement for Trunk Side of 10B — Installation and Connections
591-810-100	2	Description	591-811-300	2	Maintenance
591-810-190	1	Engineering and Implementation Methods for Data Line Concentrator Service	591-811-301	1	10B — Maintenance
591-810-210	1	33 and 35 Teletypewriter Stations — Installation and Checkout	591-811-302	2	Private Line Interconnection Arrangement for Line Side of 10-Type — Maintenance
591-810-300	2	Maintenance Procedures	591-811-303	1	DATAPHONE Interconnection Arrangement for Line Side of 10-Type Data Line Concentrator (DATREX) — Maintenance Procedures
591-810-500	1	Test Procedures	591-811-304	1	DATAPHONE Interconnection Arrangement for Trunk Side of 10B — Maintenance
<b>591-811 10A and 10B Data Line Concentrator</b>			Addendum	1	
591-811-100	1	Description	591-811-500	2	Test Procedures
591-811-101	1	10B — Description	591-811-501	1	10B — Test Procedures
591-811-102	2	Private Line Interconnection Arrangement for Line Side of 10-Type — Description	591-811-502	2	Private Line Interconnection Arrangement for Line Side of 10-Type — Test Procedures
Addendum	1		591-811-503	1	DATAPHONE Interconnection Arrangement for Line Side of 10-Type Data Line Concentrator (DATREX) — Test Procedures
591-811-103	1	DATAPHONE Interconnection Arrangement for Line Side — Description	591-811-504	1	DATAPHONE Interconnection Arrangement for Trunk Side of 10B Data Line Concentrator (DLCS) — Test Procedures
591-811-104	1	DATAPHONE Interconnection Arrangement for Trunk Side of 10B Data Line Concentrator (DLCS*) — Description and Operation			
591-811-180	1	Summarizing Specification			
591-811-181	1	10B — Summarizing Specification			
591-811-182	1	Private Line Interconnection Arrangements for Line Side — Summarizing Specification			

Number	Issue	Subject
<b>591-812 Secure Model 28 Teletypewriter Station</b>		
● 591-812-100	1	DATAPHONE Service — Description and Operation
● 591-812-101	1	Station Arrangement for Private Line Service — Description and Principles of Operation
● 591-812-102	1	Station Arrangement for Dial TWX Service (C8M) — Description and Principles of Operation
● 591-812-200	1	Station DATAPHONE Service — Installation
● 591-812-201	1	Station Private Line Service — Installation
● 591-812-202	1	Station TWX (C8M) Service — Installations
● 591-812-400	1	Station Arrangement for DATAPHONE Service — Wiring Diagrams
● 591-812-401	1	Station Arrangement for Private Line Service — Wiring Diagrams
● 591-812-402	1	Station Arrangement for TWX (C8M) — Service Wiring Diagram
● 591-812-501	1	For Private Line Service — Test Procedure
591-812-500	1	DATAPHONE Service Testing
591-812-502	1	TWX (C8M) Service Testing

**591-813 1A Data Station**

Addendum	1	
591-813-100	2	Multichannel Arrangements — Description and Operation
591-813-101	2	Single Channel Arrangements — Binary Mode — Description and Operation
591-813-180	2	Multichannel Arrangements — Summarizing Specification — Data Systems
Addendum	1	
591-813-181	1	Single Channel Arrangements — Summarizing Specification
Addendum	1	
591-813-200	2	Multichannel Arrangements — Installation
Addendum	1	
591-813-201	2	Single Channel Arrangement — Binary Mode — Installation and Connections

Number	Issue	Subject
Addendum	1	
591-813-300	2	Multichannel Arrangements — Maintenance
591-813-301	1	Single Channel Arrangements — Binary Mode — Maintenance
Addendum	1	
591-813-500	2	Multichannel Arrangements — Tests
591-813-501	1	Single Channel Arrangements — Binary Mode — Alignment and Tests

**591-814 113-Type Data Station**

Addendum	1	
591-814-100	1	Description and Operation
591-814-180	1	Summarizing Specification — Data Systems
591-814-200	2	Installation
591-814-300	1	Maintenance
Addendum	1	
591-814-500	1	Test Procedures
591-814-501	1	Test Procedures Using 921A Data Test Set
591-814-502	1	Testing Data Set 113B-L1 From Field Locations—Using J1P005 Automatic Data Test System (ADTS)

**591-815 Station Arrangements Using 33 and 35 Teletypewriter**

591-815-100	1	DATAPHONE Service — General Description
591-815-101	2	Point-to-Point Private Line Service — Description and Operation
591-815-200	1	DATAPHONE Service — Installation and Checkout
591-815-201	2	Point-to-Point Private Line Service — Installation and Checkout

**591-816 Private Line Station Arrangements Using Data Sets 108 and 109**

Addendum	1	
591-816-100	2	Private Line Station Arrangements Using Data Auxiliary Sets 830A, 830B, and 830C With Data Sets 108- and 109-Type — Description and Operation

Number	Issue	Subject
591-816-200	1	Private Line Station Arrangements Using Data Auxiliary Sets 830A and 830B With Data Sets 108- and 109-Type — Installation and Connections
591-816-300	2	Private Line Station Arrangements Using Data Auxiliary Sets 830A, 830B, and 830C With Data Sets 108- and 109-Type — Maintenance
591-816-500	1	Private Line Station Arrangements Using Data Auxiliary Sets 830A and 830B With Data Sets 108- and 109-Type — Test Procedures
591-818-100	1	Private Line Station Arrangements Using Data Sets 108F and 108G With Data Auxiliary Sets 830B and 830C — Description
591-818-200	2	Private Line Station Arrangements Using Data Sets 108F and 108G With Data Auxiliary Sets 830B, 830C, and 830D — Installation and Connections

**Division 592****200 Series Data Sets And Associated Services**

Number	Issue	Subject
<b>592-000 Index</b>		
592-000-000	84	Numerical Index — Division 592 — 200 Series Data Sets and Associated Services
<b>592-010 Models 3 and 3A</b>		
592-010-100	1	Description and Operation
592-010-200	2	Installation and Connections
592-010-300	1	Maintenance
592-010-500	1	Installation Tests and Adjustments
<b>592-011 201A and B Types</b>		
592-011-100	3	Transmitter-Receiver — Description and Operation
592-011-101	4	201A3, A4 and 201B3, B4 — Transmitter- Receiver — Description and Operation
592-011-102	2	201A and 201B-List Type — Transmitter- Receiver — Description and Operation
592-011-151	4	201A3, A4, and 201B3, B4 — Transmitter- Receiver Supplementary Information
592-011-152	1	Transmitter-Receiver — Theory of Operation and Supplementary Information
Addendum	1	
592-011-200	4	201A1, A2, and 201B1, B2 — Transmitter- Receiver — Installation and Connections
592-011-201	7	201A3, A4 and 201B3, B4 — Transmitter- Receiver — Installation and Connections
Addendum	1	
592-011-202	3	201A- and 201B-List Type — Transmitter- Receiver — Installations and Connections
592-011-300	2	201A1, A2 and 201B1, B2 — Transmitter- Receiver — Maintenance

Number	Issue	Subject
592-011-301	4	201A3, A4 and 201B3, B4 — Transmitter- Receiver — Maintenance
592-011-302	2	201A- and 201B-List Type — Transmitter- Receiver — Maintenance
Addendum	1	
592-011-500	2	201A1, A2 and 201B1, B2 — Transmitter- Receiver — Test Procedures
592-011-501	6	201A3, A4 and 201B3, B4 — Transmitter- Receiver — Test Procedures
592-011-502	3	201A and 201B List Type — Transmitter- Receiver — Test Procedures
<b>592-013 202A-Type</b>		
592-013-100	3	Description and Operation
592-013-200	4	Installation and Connections
592-013-300	2	Maintenance
592-013-400	1	Connections
592-013-500	4	Transmitter-Receiver — Test Procedures
<b>592-014 202B-Type</b>		
Addendum	1	
592-014-100	2	Transmitter-Receiver — Identification and Operation
592-014-200	3	Transmitter-Receiver — Installation
592-014-300	1	Transmitter-Receiver — Maintenance
592-014-400	2	Transmitter-Receiver — Connections
592-014-500	2	Transmitter-Receiver — Test Procedures
<b>592-015 202C-Type</b>		
592-015-100	3	Transmitter-Receiver — Description and Operation
592-015-200	4	Transmitter-Receiver — Installation and Connections
592-015-300	1	Transmitter-Receiver — Maintenance
592-015-500	3	Transmitter-Receiver — Test Procedures

Number	Issue	Subject	Number	Issue	Subject
<b>592-016 202D-Type</b>			<b>592-017-301</b>		
592-016-100	3	Transmitter-Receiver — Description and Operation	2	205B-Type — Transmitter-Receiver — Maintenance	
Addendum	2		2	205C-Type — Transmitter-Receiver — Maintenance	
592-016-150	1	Transmitter-Receiver — Theory of Operation and Supplementary Information	3	205A — Transmitter-Receiver — Used on Private Service Systems — Test Procedures	
592-016-200	4	Transmitter-Receiver — Installation and Connections	3	205B-Type — Transmitter-Receiver — Test Procedures	
592-016-300	1	Transmitter-Receiver — Maintenance	3	205C2 — Transmitter-Receiver — Test Procedures	
592-016-500	4	Transmitter-Receiver — Test Procedures	<b>592-018 202E-Type</b>		
<b>592-017 205-Type</b>			Addendum	1	
592-017-100	2	205A — Transmitter-Receiver — Used on Private Service Systems — Switching System No. 307 — Identification and Operation	592-018-100	3	Description and Operation
592-017-101	2	205B-Type — Transmitter-Receiver — Identification and Operation	592-018-150	2	Transmitter — Theory of Operation and Supplementary Information
592-017-102	2	205C Type — Transmitter-Receiver — Identification and Operation	592-018-200	4	Transmitter — Installation and Connections
592-017-150	2	205A — Transmitter-Receiver — Used on Private Service Systems — Switching System No. 307 — Supplemental Information	592-018-300	3	Transmitter — Maintenance
592-017-151	3	205B-Type — Transmitter-Receiver — Theory of Operation and Supplementary Information	Addendum	1	
592-017-152	3	Transmitter-Receiver — Theory of Operation and Supplementary Information	592-018-500	4	Test Procedures
592-017-200	2	205A — Transmitter-Receiver — Used in Private Service Systems — Switching System No. 307 — Installation and Connections	<b>592-019 203A-, B-, and C-Types</b>		
592-017-201	2	205B-Type — Transmitter-Receiver — Installation Instructions	Addendum	1	
592-017-202	3	205C2 — Transmitter-Receiver — Installation and Connections	592-019-100	3	203-Type — Description and Operation
592-017-300	2	205A — Transmitter-Receiver — Used on Private Service Systems — Switching System No. 307 — Maintenance	592-019-180	3	203-Type — Transmitter Receiver Summarizing Specification — Data Systems
			Addendum	1	
			592-019-200	4	203-Type — Installation and Connections
			592-019-300	2	203-Type — Maintenance
			592-019-500	3	203-Type — Test Procedures
			<b>592-020 207-Type</b>		
			Addendum	2	
			592-020-100	1	Transmitter-Receiver — Identification and Operation
			Addendum	1	
			● 592-020-150	1	Transmitter-Receiver — Theory of Operation and Supplementary Information
			592-020-200	2	Transmitter-Receiver — Installation and Connections

Number	Issue	Subject	Number	Issue	Subject
592-020-300	1	Transmitter-Receiver — Maintenance	592-027-150	1	Supplementary Information
Addendum	1		592-027-180	2	Transmitter-Receiver — Summarizing Specification — Data Systems
592-020-500	2	Transmitter-Receiver — Test Procedures	592-027-200	5	Transmitter-Receiver — Installation and Connections
<b>592-022 202G-Type</b>			592-027-300	4	Transmitter-Receiver — Maintenance
592-022-100	1	Transmitter — Description and Operation	592-027-400	1	Transmitter-Receiver — Wiring Information
592-022-180	1	Transmitter — Summarizing Specification Data Systems Station	592-027-500	4	Transmitter-Receiver — Test Procedures
<b>592-023 202H-Type</b>			592-027-501	2	Transmitter-Receiver — Test Procedures Using 921A Data Test Set
592-023-180	1	Receiver Summarizing Specification Data Systems Station	<b>592-028 202S-Type</b>		
<b>592-024 202M-Type</b>			592-028-100	3	Transmitter-Receiver — Description and Operation
592-024-180	2	Receiver Only — Summarizing Specification Data Systems Station	592-028-150	1	Transmitter-Receiver — Supplementary Information
<b>592-025 202R-Type</b>			592-028-180	2	Transmitter-Receiver — Summarizing Specification — Data Systems
592-025-100	2	Transmitter-Receiver — Description and Operation	592-028-200	3	Transmitter-Receiver — Installation and Connections
592-025-150	2	Transmitter-Receiver — Theory of Operation and Supplementary Information	592-028-300	2	Transmitter-Receiver — Maintenance
592-025-180	1	Transmitter-Receiver — Summarizing Specifications Data Systems	592-028-500	3	Transmitter-Receiver — Test Procedures
592-025-200	3	Transmitter-Receiver — Installation and Connections	592-028-501	2	Transmitter-Receiver — Test Procedures Using 921A Data Test Set
592-025-300	1	Transmitter-Receiver — Maintenance	592-028-502	1	Testing Data Set 202S From Field Locations — Using J1P005 Automatic Data Test System (ADTS)
Addendum	1		<b>592-029 201C-Type</b>		
592-025-500	1	Transmitter-Receiver — Test Procedures	592-029-100	2	Transmitter-Receiver — Description and Operation
<b>592-026 A1 Digital Data System</b>			Addendum	1	
592-026-100	1	Four-Phase Transmitter-Receiver — Identification	592-029-110	1	Transmitter-Receiver — Description and Operation
<b>592-027 208A-Type</b>			592-029-120	1	Transmitter-Receiver — Description and Operation
592-027-100	4	Transmitter-Receiver — Description and Operation	592-029-150	1	Transmitter-Receiver — Supplementary Information





Number	Issue	Subject
<b>592-034 212A-Type</b>		
592-034-100	2	212A-L1A/2A — Transmitter/Receiver — Description and Operation
592-034-200	2	212A-L1A/2A — Transmitter/Receiver — Installation and Connections
592-034-500	2	212A-L1A/2A — Transmitter/Receiver — Test Procedures
592-034-501	1	Transmitter/Receiver — Test Procedures Using 921A Data Set
592-034-502	1	Data Set 212A—Testing From Field Locations Using J1P005 Automatic Data Test System (ADTS)

<b>592-035 48230 Local Area Data Set</b>		
592-035-100	1	Description
592-035-200	1	Installation and Connections
592-035-300	1	Maintenance and Test Procedures

<b>592-036 201CR-L1C Transmitter-Receiver — Single Set</b>		
592-036-100	1	Description and Operation
592-036-200	1	Installation and Connections
592-036-500	1	Test Procedures Using 914-Type Data Test Set
592-036-501	1	Test Procedures Using 921A Data Test Sets

<b>592-037 202SR Transmitter-Receiver — Single Set</b>		
592-037-100	1	Description and Operation
592-037-200	2	Installation and Connections
592-037-500	1	Test Procedures and Maintenance
592-037-501	1	Test Procedures Using 921A Data Test Set

<b>592-038 208BR-L1C Transmitter-Receiver</b>		
592-038-100	1	Description and Operation
592-038-200	2	Installation and Connections
592-038-500	1	Test Procedures Using the 914-Type Data Test Set (DTS)
592-038-501	1	Test Procedures Using 921A Data Test Set

Number	Issue	Subject
<b>592-039 212AR-L1A/2A</b>		
592-039-100	1	Description and Operation
592-039-200	1	Installation and Connection
592-039-500	1	Test Procedures
592-039-501	1	Test Procedures Using 921A Data Test Set
<b>592-040 DATAPHONE® II Service</b>		
592-040-120	1	PDII Private Line Data Sets 2024, 2048, and 2096 — Description and Operation — Stand Alone — Multiple
592-040-220	1	Private Line Data Sets 2024, 2048, and 2096 — Installation and Connections — Stand Alone — Multiple
592-040-221	1	Private Line Data Set 2096C Installation and Connections Stand Alone — Multiple
592-040-520	1	Private Line Data Sets 2024, 2048, and 2096 — Test Procedures — Stand alone — Multiple

<b>592-100 200A Data Control Unit</b>		
592-100-100	1	Description, Installation, Maintenance, and Tests

<b>592-101 2100A Data Control Unit</b>		
592-101-100	2	(Diagnostic Console) — Description and Operation — DATAPHONE II Service
592-101-200	2	(Diagnostic Console) — Installation and Connections — DATAPHONE II Service
592-101-500	1	(Diagnostic Console) — Test Procedures — DATAPHONE II Service

<b>592-102 2200A Data Control Unit</b>		
592-102-100	1	2200A Data Control Unit (Network Controller) — Description and Operation — DATAPHONE II Service
592-102-101	1	2200A-L1A Data Control Unit (Network Controller) — Description and Operation — DATAPHONE II Service

Number	Issue	Subject	Number	Issue	Subject
592-102-200	1	2200A Data Control Unit (Network Controller) — Installation and Connections — DATAPHONE II Service	<b>592-802 High Speed Tape Punch (BRPE Type)</b>		
592-102-201	1	2200A-L1A Data Control Unit (Network Controller)— Installation and Connections— DATAPHONE II Service	592-802-100	4	General Description and Principles of Operation
592-102-500	1	2200A Data Control Unit (Network Controller) — Test Procedures — DATAPHONE II Service	592-802-700	5	Adjustments
592-102-501	1	2200A-L1A Data Control Unit (Network Controller)—Test Procedures DATAPHONE II Service	592-802-701	4	Lubrication
<b>592-800 DATASPEED Tape-to-Tape Systems</b>			592-802-702	4	Disassembly and Reassembly Routines
592-800-100	5	Type 1 and Type 2 Tape Senders and Receivers — Description and Operation	592-802-800	4	Parts
592-800-102	2	Type 5	592-802-801	2	Base (BRPEB6 and Up) and Cover (BRPEC) — Parts
592-800-103	1	With Error Detection and Correction — Type 4 — Description	592-802-802	1	(BRPE1 to BRPE5) Base (BRPEB2 to BRPEB4) and Cover
592-800-110	1	High Speed Tape Winder — Description, Installation, Maintenance, and Principles of Operation	<b>592-803 High Speed Tape Punch (DRPE Type)</b>		
592-800-400	5	Type 1 and Type 2 Tape Senders and Receivers — Electronic Circuitry — Schematic Diagrams and Circuit Board Drawings	592-803-100	3	Unit (DRPE Type) — Description and Principles of Operation
Addendum	1		592-803-400	3	Unit (DRPE Type) — Wiring Diagrams
592-800-401	5	Type 1 and Type 2 Tape Sender and Receivers — Electronic Circuitry — Actual Wiring Diagrams	592-803-700	4	Unit (DRPE Type) — Adjustments
592-800-702	1	Tools and Maintenance Supplies	592-803-701	3	Unit (DRPE Type) — Lubrication
<b>592-801 High Speed Tape Reader (CX Type)</b>			592-803-702	3	Unit (DRPE) — Disassembly and Reassembly
592-801-100	6	Description and Principles of Operation	592-803-800	8	Parts
592-801-200	1	Installation	❶ 592-803-801	2	Type 4 — Parts
592-801-700	6	Adjustments	<b>592-804 High Speed Tape Reader (DX Type)</b>		
592-801-701	6	Lubrication	592-804-100	4	Description and Principles of Operation
592-801-702	5	Disassembly and Reassembly	592-804-110	1	PDI and PTI Interface — Description and Principles of Operation
			592-804-300	2	Troubleshooting
			592-804-310	1	PCI and PTI Interface — Troubleshooting
			592-804-400	3	Schematic Wiring Diagrams
			592-804-401	1	Actual Wiring Diagrams
			592-804-500	2	Test Procedures
			592-804-700	5	Adjustments
			592-804-710	1	PDI and PTI Interface — Adjustments and Test Procedures
			592-804-800	5	Parts
			592-804-801	2	Type 4 — Parts

Number	Issue	Subject
<b>592-805 DATASPEED — High Speed Tape Senders (Types 1 and 2)</b>		
592-805-101	1	Discrete Calling Recognizer (TP199551) for DATASPEED Tape Sender 2A
592-805-350	1	DATASPEED Type 2 Tape-to-Tape System — Tape Sender 2A
Addendum	1	
592-805-403	4	Tape-to-Tape System — Type 1 and Type 2 Sender Cabinets and Tape Readers — Schematic and Actual Wiring Diagrams
592-805-700	4	Tape-to-Tape System — Type 1 and Type 2 Tape Senders and Receivers — Cabinets — Adjustments
592-805-701	3	Tape-to-Tape System — Type 1 and Type 2 Tape Senders and Tape Receivers — Cabinets — Lubrication
592-805-702	2	Tape-to-Tape System — Type 1 and Type 2 Tape Senders and Tape Receivers — Tools and Maintenance Supplies
592-805-800	2	Types 1 and 2 Tape Sender Cabinet (AC) and Modules (TTD and TTSC) — Parts

Number	Issue	Subject
<b>592-806 DATASPEED — High Speed Tape Receivers (Types 1 and 2)</b>		
592-806-101	1	Discrete Calling Identifier (TP199550) for DATASPEED Receiver 2B
● 592-806-350	1	DATASPEED Type 2 Tape-to-Tape System — Tape Receiver 2B
Addendum	1	
592-806-403	4	Tape-to-Tape System — Type 1 and Type 2 Receiver Cabinets and Tape Punches — Schematic and Actual Wiring Diagrams
592-806-800	3	Types 1 and 2 Tape Receiver Cabinet (AC) and Modules (TRD and TRSC) — Parts

Number	Issue	Subject
<b>592-807 DATASPEED — High Speed Tape Senders — Type 5</b>		
592-807-101	4	Discrete Calling Recognizer (TP198002) for DATASPEED Tape Senders 5A and 5C
● 592-807-350	1	Tape Senders 5A and 5C
592-807-400	5	Tape Senders 5A and 5C — Schematic and Actual Wiring Diagrams
592-807-700	3	Tape-to-Tape System — Tape Senders 5A and 5C — Adjustments, Lubrication, and Disassembly
592-807-800	4	Tape Sender Cabinet (AC) and Electrical Components — Parts

Number	Issue	Subject
<b>592-808 DATASPEED High Speed Tape Receivers — Type 5</b>		
592-808-101	4	Discrete Calling Generator (TP199784) for DATASPEED Tape Receiver 5B
592-808-102	3	Unattended Send-Receive Apparatus Unit (TP199788) for DATASPEED Tape Receiver 5B
● 592-808-350	1	DATASPEED Type 5 Tape-to-Tape System — Tape Receiver 5B
592-808-400	5	Tape-to-Tape System — Tape Receiver 5B — Schematic and Actual Wiring Diagrams
592-808-800	5	Tape Receiver Cabinet (AC) and Electrical Components — Parts

Number	Issue	Subject
<b>592-811 DATASPEED — High Speed Tape Senders (Type 4)</b>		
Addendum	1	
592-811-100	1	Tape Sender With Error Detection and Correction — Type 4A — Description and Operation
Appendix 1	1	
592-811-101	1	Vertical Parity Inserter (TP308510) for Five to Seven Level Operation of DATASPEED Tape Sender 4A
Addendum	1	
592-811-102	1	Discrete Calling Recognizer (TP308513) for DATASPEED Tape Sender 4A

Number	Issue	Subject	Number	Issue	Subject
592-811-103	1	Send-Receive Apparatus Unit (TP308514) for Single Data Set Operation of a DATASPEED Send-Receive Terminal	① 592-812-350	2	Type 4B Tape Receiver
Addendum	1		592-812-400	2	Tape Receiver With Error Detection and Correction — Type 4B — Schematic Wiring Diagrams
592-811-200	1	Tape Sender With Error Detection and Correction — Type 4A — Installation and Checkout Procedure	592-812-401	2	Tape Receiver With Error Detection and Correction — Type 4B — Actual Wiring Diagrams
592-811-300	3	Tape Sender and Receiver With Error Detection and Correction — Types 4A Sender and 4B Receiver — Troubleshooting	592-812-700	2	Tape Receiver With Error Detection and Correction — Type 4B — Adjustments, Lubrication, and Disassembly
① 592-811-350	1	DATASPEED Type 4A Tape Sender — Field Maintenance Practice	592-812-800	2	Type 4 — Tape Receiver Cabinet (AC) and Modules — Parts
592-811-400	4	Tape Sender With Error Detection and Correction — Type 4A — Schematic Wiring Diagrams	<b>592-850/852 1A High Speed Selection Calling System</b>		
592-811-401	4	Tape Sender With Error Detection and Correction — Type 4A — Actual Wiring Diagrams	① 592-850-101	3	Multivoltage Power Supplies — Description and Principles of Operation
592-811-700	1	Tape Sender With Error Detection and Correction — Type 4A — Adjustments, Lubrication, and Disassembly	① 592-850-400	1	Circuit Cards
592-811-800	2	Type 4 — Tape Sender Cabinet (AC) and Modules — Parts	① 592-850-401	1	Multivoltage Power Supplies — Schematic Wiring Diagrams
<b>592-812 DATASPEED — High Speed Tape Receivers (Type 4)</b>			① 592-850-402	1	Multivoltage Power Supplies — Actual Wiring Diagrams
Addendum	1		① 592-850-701	1	Multivoltage Power Supplies — Adjustments
592-812-100	1	Tape Receiver With Error Detection and Correction — Type 4B — Description and Operation	① 592-850-800	2	Parts
Appendix 1	2		① 592-850-801	3	Reader, Punch and Station Controller Cabinets (AC) — Parts
592-812-101	1	Vertical Parity Detector (TP308511) for Five to Seven Level Operation of DATASPEED Tape Receiver 4B	① 592-850-802	2	Converter Cabinets (LCAC) — Parts
Addendum	1		① 592-850-803	1	Module
592-812-102	1	Discrete Calling Generator (TP308512) for DATASPEED Tape Receiver 4B	① 592-851-100	3	11A Tape Sender — Description and Principles of Operation
Addendum	1		① 592-851-400	1	11A Tape Sender — Schematic Wiring Diagrams
592-812-200	2	Tape Receiver With Error Detection and Correction — Type 4B — Installation and Checkout Procedure	① 592-851-401	1	11A Tape Sender — Actual Wiring Diagrams
			① 592-851-402	1	11A Tape Sender — Running List Wiring Diagrams
			① 592-851-700	3	11A Tape Sender — Adjustments and Lubrication
			① 592-853-100	3	11C Single High-to-Low Converter and 11G Dual High-to-Low Converter — Description and Principles of Operation
			① 592-853-400	1	11C Single High-to-Low Converter and 11G Dual High-to-Low Converter — Schematic Wiring Diagrams

Number	Issue	Subject	Number	Issue	Subject
● 592-853-401	1	11C Single High-to-Low Converter and 11G Dual High-to-Low Converter — Actual Wiring Diagrams	● 592-856-700	3	11D and 11F Station Controllers — Adjustments and Lubrication
● Appendix 1	1		● 592-857-100	3	11K Intercept Tape Receiver — Description and Principles of Operation
● 592-853-402	1	11C Single High-to-Low Converter and 11G Dual High-to-Low Converter — Running List Wiring Diagrams	● 592-857-400	1	11K Intercept Tape Receiver — Schematic Wiring Diagrams
● 592-853-700	3	11C Single High-to-Low Converter and 11G Dual High-to-Low Converter — Adjustments and Lubrication	● 592-857-401	1	11K Intercept Tape Receiver — Actual Wiring Diagrams
● 592-854-100	3	11E Single Low-to-High Converter and 11H Dual Low-to-High Converter — Description and Principles of Operation	● 592-857-402	1	11K Intercept Tape Receiver — Running List Wiring Diagrams
● 592-854-400	1	11E Single Low-to-High Converter and 11H Dual Low-to-High Converter — Schematic Wiring Diagrams	● 592-857-700	3	11K Intercept Tape Receiver — Adjustments and Lubrication
● 592-854-401	1	11E Single Low-to-High Converter and 11H Dual Low-to-High Converter — Actual Wiring Diagrams	● 592-858-800	1	Call Directing Code Generator (CDCG) — Parts
● Appendix 1			<b>592-860 202S Data Station</b>		
● 592-854-402	1	11E Single Low-to-High Converter and 11H Dual Low-to-High Converter — Running List Wiring Diagrams	592-860-100	2	Description and Operation
● 592-855-400	1	11J Combination Converter — Schematic Wiring Diagrams	592-860-200	2	Installation and Connection
● 592-855-401	1	11J Combination Converter — Actual Wiring Diagrams	592-860-300	1	Maintenance
● Appendix 1			592-860-500	2	Test Procedures
● 592-855-402	1	11J Combination Converter — Running List Wiring Diagrams	<b>592-861 202T Data Station</b>		
● 592-855-700	3	11J Combination Converter — Adjustments and Lubrication	592-861-100	2	Description and Operation
● 592-856-400	1	11D Master Station Controller and 11F Outlying Station Controller — Schematic Wiring Diagrams	592-861-200	2	Installation and Connections
● 592-856-401	1	11D Master Station Controller and 11F Outlying Station Controller — Actual Wiring Diagrams	592-861-300	2	Maintenance
● 592-856-402	1	11D Master Station Controller and 11F Outlying Station Controller — Running List Wiring Diagrams	592-861-500	1	Test Procedures
			<b>592-862 201C Data Station</b>		
			592-862-100	2	Description and Operation
			592-862-200	2	Installation and Connections
			<b>592-900 Paper Handling Equipment</b>		
			592-900-101	1	High Speed Tape Feeder
			592-900-102	1	TUW200 High Speed Tape Unwinder
			592-900-800	1	High Speed Tape Winder (TW) — Parts
			592-900-801	1	High Speed Tape Feeder (TF) — Parts
			592-900-802	2	High Speed Tape Unwinder (TUW) — Parts
			592-900-803	1	High Speed Tape Handling Cabinet (AC) — Parts

Number	Issue	Subject	Number	Issue	Subject
<b>592-901 1C Discrete Calling Generator</b>					
592-901-100	2	Description and Operation	① 592-952-105	2	Electronic Circuitry — Memory — (Module R) — Description and Principles of Operation
592-901-200	2	Installation and Checkout	① 592-952-106	2	Electronic Circuitry — Power Supply System — Description and Principles of Operation
592-901-300	2	Servicing	① 592-952-400	1	Electronic Circuits — Call Control — (Modules A, B, G, S) — Schematic Diagrams
592-901-400	2	Circuit Description, Schematic Wiring Diagrams, and Circuit Cards	① 592-952-401	1	Electronic Circuits — Call Control Logic, Relay Rack, and Control Panel (Modules A, B, G, P, and S) — Network Listings
592-901-401	2	Actual Wiring Diagrams	① 592-952-402	1	Electronic Circuits — Transmit, Receive, and EDC Logic — (Modules C, D, and H) — Schematic Diagrams
592-901-800	2	Parts	① 592-952-403	1	Electronic Circuits — Transmit, Receive, EDC Logic — (Modules C, D, H) — Actual Wiring Diagrams and Network Listings
<b>592-950/956) High Speed Send-Receive Set for Switching System No. 307</b>			① 592-952-404	1	Electronic Circuits — Character Generator — (Modules E and F) — Schematic Diagrams
① 592-950-100	3	General Description and Operation	① 592-952-406	1	Electronic Circuits — Printed Drive — (Modules K, L, M, N) — Schematic Diagrams
① 592-950-101	2	Test Set TS-1 — Description and Principles of Operation	① 592-952-408	1	Electronic Circuits — Punch Control — (Module J) — Schematic Diagram
① 592-950-201	3	Operational Checkout	① 592-952-409	1	Electronic Circuits — High Speed Punch Control — (Module J) — Network Listing
① 592-950-300	2	Electronic Circuitry — Troubleshooting	① 592-952-410	1	Electronic Circuits — Memory — (Module R) — Schematic Diagram
① 592-950-400	1	Electronic Circuit Cards	① 592-952-412	1	Electronic Circuits — Power Supply — Schematic Diagrams
① 592-950-402	1	Electronic Circuits — Test Set TS-1 — Actual Wiring Diagram and Network Listing	① 592-952-700	3	Electronic Circuitry — Call Control — Modules A, B, and G — Adjustments
① 592-950-403	1	Electronic Circuits — Test Set TS-2 — Schematic Diagram	① 592-952-701	2	Electronic Circuitry — Transmit Logic — Modules C, D, and H — Adjustments
① 592-950-404	1	Electronic Circuits — Test Sets TS-2 — Actual Wiring Diagram	① 592-952-704	4	Electronic Circuitry — Punch Control — Module J — Adjustments
① 592-950-700	2	Test Set TS-1 — Adjustments	① 592-952-800	2	Parts
① 592-950-800	2	Test Set (TS) — Parts	① 592-953-100	4	Description and Principles of Operation
① 592-951-400	1	Electronic Circuits — Cabinets for HSSR Set — Schematic Diagrams			
① 592-951-700	3	Cabinets — Adjustments			
① 592-951-701	3	Cabinets — Lubrication			
① 592-951-800	3	Cabinets (AC) — Parts			
① 592-952-100	4	Electronic Circuitry — Call Control — Modules A, B, and G — Description and Principles of Operation			
① 592-952-102	3	Electronic Circuitry — Character Generator (Modules E and F) — Description and Principles of Operation			
① 592-952-103	4	Electronic Circuitry — Printer Drive — Modules K, L, M, and N — Description and Principles of Operation			

Number	Issue	Subject	Number	Issue	Subject
① 592-953-300	2	Troubleshooting — (Service Maintenance)	① Addendum	1	
① 592-953-400	1	Wiring Diagrams	① 592-956-200	2	Installation and Checkout Procedure
① 592-953-700	5	Adjustments	① Addendum	1	
① 592-953-701	4	Lubrication	① 592-956-300	2	Troubleshooting
592-953-800	5	High Speed Page Printer (DAP) — Parts	① Addendum	2	
① 592-954-100	2	Description and Principles of Operation	① 592-956-500	2	Test Procedures
① 592-954-400	1	(DRPE Type) — Wiring Diagram	① 592-956-700	2	Scanner and Recorder Mechanisms — Adjustments and Lubrication
① 592-954-700	2	Adjustments	① 592-956-701	2	Electronic Circuits — Modules and Power Supply — Adjustments
① 592-954-701	2	Lubrication	① 592-956-702	2	Cabinets — Adjustments and Lubrication
① 592-954-702	2	Disassembly	① 592-956-703	1	Removal and Replacement of Components and Disassembly and Reassembly
① 592-954-800	2	Parts	① 592-956-800	1	Scanner, Recorder and Maintenance Tools — Parts (Dixon)
① 592-955-100	2	Description and Principles of Operation	① 592-956-801	1	Rectifier, Converter and Filter — Parts (North Electric)
① 592-955-400	1	(DX Type) — Wiring Diagram	① 592-956-802	1	Cabinet and Module — Parts
① 592-955-700	2	Adjustments			
① 592-955-701	2	Lubrication			
① 592-955-800	2	(DX) — Parts			
① 592-956-100	1	Station Facilities — Description and Principles of Operation			
① 592-956-103	1	Cabinet and Paper Drying Mechanism — Description and Principles of Operation			



**Division 593****300 Series Data Sets And Associated Services****593-000 Indexes****-011 301B-Type****-012 303-Type****-014 305-Type****-015 306-Type****-016 Display Data Set F-58167 for Use With Picture-phone****-800 Wideband Station Using Data Set 303-Type****-801 Wideband Station Using Data Set 306 Point-to-Point**

Number	Issue	Subject
<b>593-000 Indexes</b>		
593-000-000	41	Numerical Index — Division 593 — 300 Series Data Sets and Associated Services

**593-011 301B-Type**

593-011-100	6	Transmitter-Receiver — Identification and Operation
593-011-200	6	Transmitter-Receiver — Installation and Connections
593-011-300	6	Transmitter-Receiver — Maintenance
Addendum	1	
593-011-500	5	Transmitter-Receiver — Test Procedures

**593-012 303-Type**

593-012-100	4	Description
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**593-014 305-Type**

593-014-180	1	Computer Access for Picture-phone Service — Summarizing Specification
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Number	Issue	Subject
<b>593-015 306-Type</b>		

593-015-100	1	Identification
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**593-016 Display Data Set F-58167 For Use With Picture-phone**

593-016-100	1	Description
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**593-800 Wideband Station Using Data Set 303-Type**

Ⓐ	Addendum	1	
Ⓐ	593-800-100	3	Four-Wire Point-to-Point Private Line — (Commercial Service) — Description and Operation
Ⓐ	593-800-101	2	50-KBPS Government Secure Speech Service — Description and Operation
Ⓐ	593-800-102	1	Echo-Fox UHF Radio System — Description
Ⓐ	593-800-110	1	Two-Wire Switched Service (DATAPHONE® 50 Service) Description and Operation
Ⓐ	593-800-111	1	Two-Wire Switched Service (460.8 KBPS Data Over Picture-phone Facilities) — Description and Operation
Ⓐ	593-800-200	3	Four-Wire Point-To-Point Private Line (Commercial Service) — Installation and Connections
Ⓐ	593-800-201	2	50-KBPS Government Secure Speech Service — Installation and Connections
Ⓐ	593-800-202	1	Echo-Fox UHF Radio System — Installation and Connections
Ⓐ	Addendum	2	
Ⓐ	593-800-210	1	Two-Wire Switched Service (DATAPHONE 50 Service) — Installation and Connections
Ⓐ	593-800-211	1	Two-Wire Switched Service (460.8 KBPS Data Over Picture-phone Facilities) — Installation and Connections
Ⓐ	593-800-302	1	Echo-Fox UHF Radio System — Maintenance
Ⓐ	593-800-500	2	Test Procedures
Ⓐ	593-800-501	2	50-KBPS Government Secure Speech Service — Test Procedures

Number	Issue	Subject
☐ 593-800-502	1	Echo-Fox UHF Radio System — Test Procedures
☐ 593-800-510	1	Two-Wire Switched Service — (DATAPHONE 50 Service) — Test Procedures
☐ 593-800-511	1	Two-Wire Switched Service (460.8 KBPS Data Over Picture- phone Facilities) — Test Pro- cedures

**593-801 Wideband Station Using Data Set 306 Point-To-Point**

☐ 593-801-100	1	Limited Distance — Description and Operation
☐ 593-801-200	1	Limited Distance — Installation and Connections
☐ 593-801-500	1	Limited Distance — Test Pro- cedures

**Division 594**

**400 Series Data Sets And Associated Services**

- 000 Index
- 010 401A Type
- 011 401B and D Types
- 014 401E Type
- 015 401F Type
- 016 402A Type
- 017 402B Type
- 018 401J Type
- 019 402C Type
- 020 402D Type
- 021 404A Type
- 022 401H Type
- 023 403A Type
- 024 404B1 Type
- 025 403D Type
- 026 403E Type
- 027 Data Set 401L
- 028 401M Type
- 029 405 Type
- 030 407 Type
- 031 407CR
- 800 Data Station 407
- 801 407CR Multiple Data Station

Number	Issue	Subject
<b>594-000 Index</b>		
594-000-000	82	Numerical Index — Division 594 — 400 Series Data Sets and Associated Services
<b>594-010 401A Type</b>		
Addendum	1	
594-010-100	6	Transmitter — Description and Operation

Number	Issue	Subject
Addendum	1	
594-010-200	3	Transmitter — Installation and Connections
594-010-300	3	Transmitter — Maintenance
Addendum	1	
594-010-500	4	Transmitter — Test Procedures

**594-011 401B and D Types**

Addendum	1	
594-011-100	5	Receiver — Identification and Operation
594-011-200	2	Receiver — Installation and Connections
Addendum	1	
594-011-300	1	D Receivers — Maintenance
594-011-500	2	Receiver — Test Procedure

**594-014 401E Type**

594-014-100	6	Transmitter — Description and Operation
594-014-150	3	Transmitter — Theory of Operation and Supplementary Information
594-014-200	7	Transmitter — Installation and Connections
594-014-300	5	Transmitter — Maintenance
594-014-500	6	Transmitter — Test Procedures

**594-015 401F Type**

594-015-100	1	Receiver — Identification and Operation
594-015-200	2	Receiver — Installation and Connections
Addendum	1	
594-015-300	1	Receiver — Maintenance
594-015-500	2	Receiver — Test Procedures

**594-016 402A Type**

594-016-100	1	Transmitter — Description and Operation
594-016-200	3	Transmitter — Installation and Connections
594-016-300	2	Transmitter — Maintenance
594-016-500	5	Transmitter — Test Procedures

Number	Issue	Subject	Number	Issue	Subject
<b>594-017 402B Type</b>			594-021-200	2	Transmitter-Receiver — Used on Private Service Systems — Switching System No. 307 — Installation and Connection
594-017-100	1	Receiver — Description and Operation	594-021-300	2	Transmitter-Receiver — Used on Private Service Systems — Switching System No. 307 — Maintenance
594-017-200	2	Receiver — Installation and Connections	594-021-500	3	Transmitter-Receiver — Test Procedures
594-017-300	1	Receiver — Maintenance	<b>594-022 401H Type</b>		
594-017-500	2	Receiver — Test Procedures	594-022-100	7	Transmitter — Description and Operation
<b>594-018 401J Type</b>			594-022-200	5	Transmitter — Installation and Connections
594-018-100	6	Receiver — Description and Operation	594-022-300	6	Transmitter — Maintenance
Addendum	1		594-022-500	8	Transmitter — Test Procedures
594-018-150	1	Theory of Operation and Supplementary Information	<b>594-023 403A Type</b>		
Addendum	1		594-023-100	2	Receiver — Identification and Operation
594-018-200	6	Receiver — Installation and Connections	Addendum	3	
594-018-300	6	Receiver — Maintenance	594-023-200	2	Receiver — Installation and Connections
594-018-500	6	Receiver — Test Procedures	594-023-300	2	Receiver — Maintenance
<b>594-019 402C Type</b>			594-023-500	3	Receiver — Test Procedures
Addendum	1		<b>594-024 404B1 Type</b>		
594-019-100	2	Transmitter — Identification and Operation	594-024-100	2	Description
Addendum	1		<b>594-025 403D-Type</b>		
594-019-200	4	Transmitter — Installation and Connections	Addendum	1	
594-019-300	3	Transmitter — Maintenance	594-025-100	2	Description
Addendum	1		594-025-101	3	Multiple Data Set Station — Description and Operation
594-019-500	6	Transmitter — Test Procedures	594-025-151	1	Theory of Operation and Supplementary Information
<b>594-020 402D Type</b>			Addendum	1	
594-020-100	3	Receiver — Description and Operation	594-025-201	3	Multiple Data Set Station — Installation and Connections
594-020-200	5	Receiver — Installation and Connections	594-025-301	2	Multiple Data Set Station — Maintenance
594-020-300	3	Receiver — Maintenance	594-025-501	3	Multiple Data Set Station — Test Procedures
594-020-500	5	Receiver — Test Procedures	<b>594-021 404A Type</b>		
<b>594-021 404A Type</b>			594-021-100	3	Transmitter-Receiver — Identification and Operation
594-021-100	3	Transmitter-Receiver — Identification and Operation	594-021-150	3	Transmitter-Receiver — Theory of Operation and Supplementary Information
594-021-150	3	Transmitter-Receiver — Theory of Operation and Supplementary Information			

Number	Issue	Subject	Number	Issue	Subject
<b>594-026 403E-Type</b>			<b>594-800 Data Station 407</b>		
594-026-100	3	Single Receiver Station — Description and Operation	594-800-100	2	Description
594-026-200	3	Installation and Connections	594-800-101	2	Using 2B Automatic Call Distributor — Description
594-026-300	2	Single Receiver Station — Maintenance	594-800-102	2	407C — Description
594-026-500	3	Single Receiver Station — Test Procedures	594-800-150	2	Supplementary Information
<b>594-027 Data Set 401L</b>			594-800-182	1	407C-Type Multiple Data Station — Modulator/Demodulator — Summarizing Specification — Data Systems
594-027-100	2	Transmitter — Description and Operation	594-800-200	3	Installation and Connections
594-027-200	2	Installation and Connections	594-800-202	2	407C — Installation and Connections
594-027-300	1	Maintenance	594-800-300	2	Maintenance
594-027-500	2	Test Procedures	594-800-302	2	407C — Maintenance
<b>594-028 401M-Type</b>			594-800-500	2	Test Procedures
594-028-100	3	Transmitter — Description and Operation	594-800-501	2	Using 2B Automatic Call Distributor — System test
594-028-180	1	Transmitter Summarizing Specification Data Systems Station	594-800-502	2	407C — Test Procedures
594-028-200	3	Transmitter — Installation and Connections	<b>594-801 407CR Multiple Data Station</b>		
594-028-300	1	Transmitter — Maintenance	594-801-100	1	407AR and 407BR — Description
594-028-500	2	Transmitter — Test Procedures	594-801-102	1	Description
<b>594-029 405-Type</b>			594-801-182	1	Modulator/Demodulator — Summarizing Specification — Data Systems
594-029-100	2	Identification	594-801-200	1	407AR and 407BR — Installation and Connections
<b>594-030 407-Type</b>			594-801-202	1	Installation and Connections
594-030-100	2	407A — Identification	594-801-300	1	407AR and 407BR — Maintenance
594-030-101	1	407C — Identification	594-801-302	1	Maintenance
<b>594-031 407CR</b>			594-801-500	1	407AR and 407BR — Test Procedures
594-031-100	1	407AR and 407BR — Identification	594-801-502	1	Test Procedures
594-031-101	1	Identification			

**Division 595**

**500-Type Service Units and Sets For Digital Systems/Services**

**595-0 Index**

**595-1 General**

**595-2 Data Service Unit— Private Line**

**595-3 Data Service Unit — Switched Service**

Number	Issue	Subject
<b>595-0 Index</b>		
595-000-000	20	Numerical Index — Division 595 — 500- Type Service Units and Sets for Digital Systems/Services

**595-1 General**

**595-100 Channel Service Unit**

595-100-100	2	550A-Type — Description
595-100-180	1	550A-Type — Summarizing Specification
595-100-200	4	550A-Type — Installation and Connections
595-100-300	2	550A-Type — Maintenance
Addendum	1	
595-100-500	4	550A-Type — Test Procedures

**Number Issue Subject**

**595-2 Data Service Unit — Private Line**

595-200-100	2	500A-Type — Description and Operation
595-200-101	1	500B-Type Data Service Unit — Description and Operation — Digital Data System
595-200-180	1	500A-Type — Summarizing Specification
595-200-200	4	500A-Type — Installation and Connections
595-200-201	1	500B-Type Data Service Unit — Installation and Connections — Digital Data System
595-200-300	2	500A-Type — Maintenance
595-200-301	1	500B-Type Data Service Unit — Maintenance — Digital Data System
595-200-500	5	500A-Type — Test Procedures
595-200-501	1	500B-Type Data Service Unit — Test Procedures — Digital Data System

**595-3 Data Service Unit — Switched Service**

595-300-100	2	Switched Digital Data System — 501A- Type — Description and Operation
595-300-180	1	501A-Type Data Service Unit (DSU) and Data Auxiliary Set 821A-Type — Summarizing Specification — Switched Digital Data System — Data Systems
595-300-200	2	Switched Digital Data System — 501A- Type — Installation and Connections
595-300-300	1	501A-Type — Maintenance
595-300-500	2	Switched Digital Data System — 501A- Type — Test Procedures

**Division 596****600 Series Data Sets And Associated Services**

-000 Index  
 -010 601 Type  
 -011 602A Type  
 -012 603A Type  
 -013 603B Type  
 -014 603D Type  
 -015 602B Type  
 -016 602C Type  
 -017 604A Type  
 -018 604B Type  
 -019 604E Type  
 -020 602D Type

Number	Issue	Subject
<b>596-000 Indexes</b>		
596-000-000	43	Numerical Index — Division 596 — 600 Series Data Sets and Associated Services
<b>596-010 601 Type</b>		
596-010-100	2	Transmitter-Receiver — Identification and Operation
596-010-200	8	Transmitter-Receiver — Installation and Connection
596-010-300	2	Transmitter-Receiver — Maintenance
596-010-500	2	Transmitter-Receiver — Test Procedures
<b>596-011 602A Type</b>		
596-011-100	3	602A1 Transmitter-Receiver — Identification and Operation
596-011-200	4	602A1 Transmitter-Receiver — Installation and Connections
596-011-300	4	602A1 Transmitter-Receiver — Maintenance
596-011-500	5	602A1 Transmitter-Receiver — Test Procedures

Number	Issue	Subject
<b>596-012 603A Type</b>		
596-012-100	3	For Transmission of Medical Analog Data — Description and Operation
596-012-150	1	
596-012-150	2	For Transmission of Medical Analog Data — Theory of Operation and Supplementary Information
596-012-200	4	For Transmission of Medical Analog Data — Installation
596-012-300	3	For Transmission of Medical Analog Data — Maintenance
596-012-500	3	For Transmission of Medical Analog Data — Test Procedures
<b>596-013 603B Type</b>		
596-013-100	3	Description and Operation
596-013-200	3	Installation Instructions
596-013-300	3	Maintenance
Addendum	1	
596-013-500	3	Test Procedures
<b>596-014 603D Type</b>		
596-014-100	2	Description and Operation
596-014-200	1	Installation Instructions
596-014-300	1	Maintenance
596-014-500	1	Test Procedures
<b>596-015 602B Type</b>		
① 596-015-100	1	Identification and Operation
① 596-015-200	1	Installation
① 596-015-300	1	Maintenance
① 596-015-500	2	Test Procedures
<b>596-016 602C Type</b>		
596-016-100	5	Transmitter-Receiver
Addendum	1	
596-016-200	4	Transmitter-Receiver — Installation and Connections
596-016-300	3	Transmitter-Receiver — Maintenance
596-016-500	3	Transmitter-Receiver — Test Procedures

Number	Issue	Subject
<b>596-017 604A Type</b>		
● 596-017-100	3	Description and Operation
● 596-017-200	3	Installation and Connections
● 596-017-300	1	Maintenance
● 596-017-500	2	Test Procedures
<b>596-018 604B-Type</b>		
● 596-018-100	2	Description and Operation
● 596-018-200	2	Installation and Connections
● 596-018-300	1	Maintenance
● 596-018-500	2	Test Procedures
<b>596-019 604E-Type</b>		
● 596-019-100	1	Description
● 596-019-200	1	Installation and Connections
● 596-019-300	1	Maintenance
● 596-019-500	1	Test Procedures
<b>596-020 602D Type</b>		
596-020-100	1	Transmitter-Receiver — Description and Operation
596-020-180	1	Transmitter/Receiver Summarizing Specification Data Systems Stations
596-020-200	1	Transmitter-Receiver — Installation and Connections
596-020-300	1	Transmitter-Receiver — Maintenance
596-020-500	1	Transmitter-Receiver — Test Procedures



**Division 598****800 Series Auxiliary Equipment****-000 Index****-010 801A Type****-012 801C Type****-025 803A Type****-031 804B Type****-034 809B Type****-036 806A Type****-039 804C Type****-040 819A Type****-041 816 Type****-042 806B Type****-043 804E Type****-044 820C Type****-046 820A and B Type****-048 804G Type****-049 811B Type****-053 804J Type****-055 804K Type****-056 804L Type****-057 804M Type****-058 801A Type****-060 824A1 and B1 DAS (Data Recognizer) — D. S. 303****-061 804P Type****-064 820G (Includes 804N5 and 804R5) Type****-066 804N****-067 804R****-068 806C (with 820B5 and CPT and ESS™-ADF)****-070 811F****-073 811G-L1****-074 811H-L1****-075 803E1****-076 804T****-077 806D****-078 811J-L1****-080 828A and 828C****-081 820J-Type****-082 829-Type****-083 830 Through 839 Series****-085 821-Type****-087 806E****-088 801CR****-089 828D**

Number	Issue	Subject
<b>598-000 Index</b>		
598-000-000	99	Numerical Index — Division 598 — 800 Series Auxiliary Equipments
<b>598-010 801A Type</b>		
Addendum	1	
598-010-100	3	Data Auxiliary Sets 801A1, 801A2, 801A3, and 801A4 for Automatic Calling — Description and Operation
598-010-101	2	Data Auxiliary Sets 801A5 and 801A6 for Automatic Calling — Description and Operation
598-010-151	1	Data Auxiliary Sets 801A5 and 801A6 for Automatic Calling — Theory of Operation and Supplementary Information
Addendum	1	
598-010-200	3	%Data Auxiliary Sets 801A1, 801A2, 801A3 and 801A4 for Automatic Calling — Installation and Connections
598-010-201	2	Data Auxiliary Sets 801A5 and 801A6 for Automatic Calling — Installation and Connections
598-010-300	2	Data Auxiliary Sets 801A1, 801A2, 801A3, and 801A4 for Automatic Calling, Maintenance
598-010-301	1	Data Auxiliary Sets 801A5 and 801A6 for Automatic Calling — Maintenance
598-010-500	4	Data Auxiliary Set 801A1, 801A2, 801A3, and 801A4 for Automatic Calling, Test Procedure
598-010-501	2	Data Auxiliary Sets 801A5 and 801A6 for Automatic Calling — Test Procedures

Number	Issue	Subject	Number	Issue	Subject
<b>598-012 801C Type</b>			<b>598-030 804A-Type</b>		
598-012-100	2	Data Auxiliary Sets 801C1 and 801C2 for Automatic Calling — Identification and Operation	Addendum	1	
598-012-101	3	Data Auxiliary Sets 801C3 and 801C4 — Description and Operation	598-030-100	9	Data Auxiliary Set (804W) — Description and Operation
598-012-102	1	Data Auxiliary Set 801C-L1/2 — Description and Operation	<b>598-031 804B-Type</b>		
598-012-150	3	Data Auxiliary Sets 801C1 and 801C2 for Automatic Calling — Theory of Operation and Supplementary Information	598-031-100	4	Data Auxiliary Set 804B1 for Line Control — Identification and Connections
Addendum	1		<b>598-034 809B-Type</b>		
598-012-151	1	Data Auxiliary Sets 801C3 and 801C4 for Automatic Calling — Theory of Operation and Supplementary Information	598-034-100	3	Description and Operation
598-012-200	2	Data Auxiliary Sets 801C1 and 801C2 for Automatic Calling — Installation	<b>598-036 806A-Type</b>		
598-012-201	3	Data Auxiliary Sets 801C3 and 801C4 — Installation and Connections	598-036-100	3	Description and Operation
Addendum	1		598-036-200	2	Installation
598-012-202	2	Data Auxiliary Set 801C List-Type — Installation and Connections	598-036-300	1	Maintenance
Addendum	1		598-036-500	3	Test Procedures
598-012-300	1	Data Auxiliary Sets 801C1 and 801C2 for Automatic Calling — Maintenance	<b>598-039 804C-Type</b>		
598-012-301	2	Data Auxiliary Sets 801C3 and 801C4 — Maintenance	① 598-039-100	1	Identification and Operation
598-012-500	3	Data Auxiliary Sets 801C1 and 801C2 for Automatic Calling — Test Procedures	① 598-039-200	1	Installation
598-012-501	3	Data Auxiliary Sets 801C3 and 801C4 — Test Procedures	① 598-039-300	1	Maintenance
598-012-502	1	Data Auxiliary Set 801C-L1/2 — Test Procedures	① 598-039-500	1	Test Procedures
<b>598-025 803A Type</b>			<b>598-040 819A-Type</b>		
598-025-100	2	Data Auxiliary Set 803A1 and 803A2 Line and Test Circuit — Identification and Operation	598-040-100	1	Identification and Operation
			<b>598-041 816-Type</b>		
			Addendum	1	
			598-042-100	3	Description and Operation
			<b>598-043 804E-Type</b>		
			① 598-043-100	1	Identification

Number	Issue	Subject	Number	Issue	Subject
<b>598-044 820C-Type</b>			<b>598-058 820D Type</b>		
● 598-044-100	1	Identification	598-058-100	4	Identification
<b>598-046 820A- and B-Type</b>			<b>598-059 820E-Type</b>		
598-046-100	2	Data Auxiliary Set 820A-Type — Identification	598-059-100	2	Identification
598-046-101	2	Data Auxiliary Set 820B-Type — Identification	<b>598-060 824A1 and B1 DAS (Data Recognizer) — D.S. 303</b>		
598-046-110	1	Data Auxiliary Set 820B5 — Description and Operation	598-060-100	2	Data Auxiliary Set 824A-Type — 50-Kilobit Data Recognizer (for CPE Use) — Description
598-046-210	1	Data Auxiliary Set 820B5 — Installation	598-060-101	1	Data Auxiliary Set 824B-Type — 18.75 Kilobit Data Recognizer — Description
598-046-310	1	Data Auxiliary Set 820B5 — Maintenance	598-060-200	2	Data Auxiliary Set 824A-Type — 50-Kilobit Data Recognizer (for COAM Equipment) — Installation and Connections
598-046-510	1	Data Auxiliary Set 820B5 — Test Procedures	598-060-201	1	Data Auxiliary Set 824B-Type — 18.75 Kilobit Data Recognizer — Installation and Connection
<b>598-048 804G Type</b>			598-060-300	1	Data Auxiliary Set 824A-Type — 50 Kilobit Data Recognizer — Maintenance
598-048-100	2	Description and Operation	598-060-500	2	Data Auxiliary Set 824A-Type — 50-Kilobit Data Recognizer (for COAM Equipment Use) — Test Procedures
<b>598-049 811B-Type</b>			<b>598-061 804P</b>		
598-049-100	2	Description and Operation	598-061-100	1	804P5, 6, 7, and 8 — Identification
Addendum	2		<b>598-063 811D Type</b>		
598-049-200	2	Installation	598-063-100	1	Data Auxiliary Set 811D1 — Identification and Operation
598-049-300	2	Maintenance	598-063-200	1	Data Auxiliary Set 811D1 — Installation and Connections
598-049-500	2	Test Procedures	598-063-300	1	Data Auxiliary Set 811D1 — Maintenance
<b>598-053 804J-Type</b>			598-063-500	1	Data Auxiliary Set 811D1 — Test Procedures
598-053-100	3	Identification	<b>598-056 804L Type</b>		
<b>598-055 804K Type</b>			598-056-100	1	Description and Operation
598-055-100	2	Identification	598-056-200	2	Installation and Connections
<b>598-056 804L Type</b>			598-056-300	1	Maintenance
598-056-100	1	Description and Operation	598-056-500	1	Test Procedures
598-056-200	2	Installation and Connections	<b>598-057 804M Type</b>		
598-056-300	1	Maintenance	598-057-100	1	Identification and Connections
598-056-500	1	Test Procedures			

Number	Issue	Subject	Number	Issue	Subject
<b>598-064 820G (Includes 804N5 and 804R5)</b>			<b>598-076 804T</b>		
598-064-100	2	Identification	598-076-100	2	Identification
598-064-180	1	Summarizing Specification — Data Systems — Station	<b>598-077 806D</b>		
<b>598-066 804N</b>			598-077-100	2	Identification
598-066-100	2	804N1, 804N2, and 804N4 — Identification	<b>598-078 811J-L1</b>		
598-066-101	1	804N3 and 804N5 — Identification	598-078-100	1	Identification
<b>598-067 804R</b>			<b>598-080 828A and 828C</b>		
Addendum	1		598-080-100	3	828A — Description and Operation
598-067-100	2	804R2, 804R3, and 804R4 — Identification	Addendum	1	
598-067-101	2	804R5 and 804R7	598-080-101	1	Description and Operation
<b>598-068 806C (with 820B5 and CPT and ESS™-ADF)</b>			598-080-180	1	Data Service Units for 4-Wire Private Line Summarizing Specification — Data Systems
598-068-100	1	Data Auxiliary Set 806C1 — Identification	598-080-181	1	Data Service Unit for 4-Wire Voiceband Data Transmission — Summarizing Specification — Data Systems
<b>598-070 811F</b>			598-080-200	3	828A — Installation and Connections
598-070-100	1	Description and Operation	598-080-201	2	Installation and Connections
598-070-200	1	Installation and Connection	598-080-500	3	828A — Maintenance and Test Procedures
598-070-300	1	Maintenance	598-080-501	1	Maintenance and Test Procedures
Addendum	1		<b>598-081 820J-Type</b>		
598-070-500	1	Test Procedures	598-081-100	2	Identification
<b>598-073 811G-L1</b>			<b>598-082 829-Type</b>		
598-073-100	1	Identification	598-082-100	3	Description
<b>598-074 811H-L1</b>			598-082-200	3	Installation and Connections
598-074-100	1	Identification	598-082-500	3	Procedures
<b>598-075 803E1</b>					
598-075-100	1	Identification			

Number	Issue	Subject	Number	Issue	Subject
<b>598-083 830 Through 839 Series</b>			<b>598-085 821-Type</b>		
598-083-100	1	830A — Identification	598-085-100	2	Switched Digital Data System — 821A- Type — Identification
598-083-101	1	831A — Identification			
598-083-102	1	830B — Identification	<b>598-087 806E</b>		
598-083-103	1	830C — Description, Installation, and Test Procedure	598-087-100	2	806E1 and 210A Power Unit — Identification
598-083-104	1	832A-L1 — Processor-Controlled Alarm Circuit — Description, Installation, and Test Procedure	<b>598-088 801CR</b>		
598-083-105	2	833A Data Station — Description — Select- A-Station Service	598-088-100	1	801CR-L1/2 — Description and Operation
▲598-083-106	2	DATAPHONE® Select-A-Station — 833A Data Station	598-088-200	1	801CR-L1/2 — Installation and Connections
598-083-107	1	Identification	598-088-500	1	801CR-L1/2 — Test Procedures
598-083-180	1	833A — DATAPHONE Select-a-Station Service Summarizing Specification	<b>598-089 828D</b>		
<b>598-084 820K Through Z Series</b>			598-089-100	1	828D — Description and Installation
598-084-101	2	820L-Type — Identification			



**Division 620**

**Outside Plant, General**

**620-0 Indexes, General Information, Symbols and Abbreviations, Administration, and Vehicles**

**620-1 Precautions**

**620-2 Clearances**

**620-3 Railroad Crossings, Tree Pruning, and Brush Spraying**

Number	Issue	Subject
<b>620-0 Indexes, General Information, Symbols and Abbreviations, Administration, and Vehicles</b>		
620-000-000	88	Numerical Index — Division 620 — Outside Plant, General
620-000-005	21	Permuted Alphabetical Index — Construction and Maintenance — Outside Plant
620-000-007	1	WIPs (Workcenter Information Packages)

**620-020 General Information — Outside Plant**

620-020-005	1	Cable Sheath Openings — Reporting of Openings and Closings to the Cable Test Desk
620-020-020	3	Signals for Use by Outside Plant Forces
■ 620-020-025AC	1	Outside Plant — Communications Overview (10-92)
■ 620-020-026AC	1	Telephone Maintenance Radio Service (TMRS) Network Maintenance
■ 620-020-030AC	1	Post Restoration Protection

**620-040 Symbols and Abbreviations — Outside Plant**

620-040-011	4	General
■ 620-040-011AC	1	Outside Plant Symbols (1-93)
620-040-012	3	Poles and Associated Equipment
620-040-013	4	Wire
620-040-014	3	Underground Conduit and Manholes — Building Conduit and Housings

Number	Issue	Subject
620-040-015	8	Cable, Cable Terminals, Closures and Interfaces
620-040-016	4	Loading Coil Cases, Capacitors, Building- Out Networks and Inductors
620-040-017	3	Carrier Systems
620-040-018	2	Cable Pressurization Systems
620-040-019	1	Closed Circuit Television Systems
620-040-020	1	Outside Plant Abbreviations — General

**620-050 Outside Plant Construction Administration**

620-050-005	2	ED-01 Drawings — Outside Plant Systems
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**Construction Force Management System**

620-050-010	2	General
620-050-011	2	Standard Time Increments — Description and Application
620-050-012	2	Construction Management Center
620-050-013	1	Job Scheduling and Dispatching
620-050-014	1	Field Administration
620-050-015	1	Administration of Overrun Hours
620-050-021	1	Cable Transfer Procedures — 1 ESS™ Switching Office — Delayed Order Method

**Quality Review Plan**

620-050-030	2	Administration and Procedures
620-050-031	2	Inspection Reference Material
620-050-100	1	Operational Reviews for Outside Plant Construction Forces

**MSTIC (Mechanized Standard Time Increment Calculation)**

620-050-101	1	General Description
620-050-102	1	Placing Program
620-050-103	1	Splicing Program
620-050-104	1	Data Management and Reports Generation Programs

**Plant Protection**

■ 620-050-901AC	C	Underground and Buried Routes (7-93)
■ 620-050-910LL	A	Placing Markers and Signs (1-76)

Number	Issue	Subject
<b>620-060 Cable, Maintenance Administration</b>		
620-060-020	2	Cable Repair Force Management Plan — Ordering Information
620-060-025	1	Trouble Analysis for Cable Maintenance — Ordering Information
620-060-030	1	Quality Control for Cable Maintenance
■ 620-060-506AC	1	Outside Plant — Maintenance Overview (11-92)
■ 620-060-507AC	1	Outside Plant — Cable and Plant Protection Process (11-92)
■ 620-060-508AC	1	Outside Plant — CHC/OSWF Ticketing Process (11-92)
■ 620-060-509AC	1	Outside Plant — Contact Process (10-92)
620-060-510	3	Joint Utility Coordination and Damage Prevention Plan for Below-Ground Facilities (One-Call System)
620-060-511	1	Subsurface Facilities — Standard Marking and Staking Procedures

**620-070 Vehicles — Tools and Materials**

620-070-110	1	Standard Loading and Restocking of Tools and Materials — Splicing Vehicles
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**620-1 Precautions**

**620-100/105 General Precautions — Outside Plant**

620-100-001	3	Fire Safety Considerations of Cable in Buildings
620-100-005	1	Firestops for Outside Plant Cables That Penetrate Building Floors and Walls— Methods and Materials
620-100-010	1	Occupational Exposure to Lead Cable Removal
620-100-011	1	Minimum Approach Distances to Exposed Energized Power Conductors
620-100-015	1	Protective Measures for Working in the Vicinity of Extra High Voltage Power Lines
620-102-010	7	Underground and Buried Work

Number	Issue	Subject
620-103-010	4	Electrical Protection When Using Portable AC Operated Tools and Equipment
620-105-010	7	B-Voltage Tester — Use on Joint-Use Poles and Other Equipment

**620-131/134 Climbing Poles, Safeguards**

620-131-010	4	Precautions to Be Taken Before Climbing Poles or Working From Strand- or Pole- Supported Equipment
620-134-010	1	Unstepped Poles
620-134-020	1	Stepped Poles

**620-135 Guarding Work Areas — Outside Plant**

620-135-010	6	Warning Devices—Use
Addendum	1	
620-135-100	6	Standard Warning Devices — Description and Use

**620-140 Testing Manhole Atmosphere**

620-140-501	10	Testing and Ventilating Manholes
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**620-145 Gasoline in Manholes**

620-145-010	3	Petroleum Products in Underground Conduit Systems — Removal Procedures
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**620-150 Manhole Covers**

620-150-010	4	Manhole Covers — Removing and Replacing
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**620-2 Clearances**

**620-210 Clearances for Outside Plant**

620-210-011	2	Clearances and Separations for Aerial Plant — General
620-210-012	3	Clearances for Telephone Poles and Stubs

**620-249 Clearance Attachments — Outside Plant**

620-249-011	1	Clearance Attachments for Aerial Crossings — General
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Number	Issue	Subject
<b>620-3</b>		<b>Railroad Crossings, Tree Pruning, and Brush Spraying</b>
<b>620-300</b>		<b>Aerial Railroad Crossings</b>
620-300-011	3	Aerial Railroad Crossings
<b>620-310</b>		<b>Tree Pruning</b>
620-310-100	2	Tree Pruning Tools
620-310-200	2	Tree Trimming and Pruning Methods
<b>620-315</b>		<b>Brush Spraying</b>
620-315-100	2	Brush Spraying

**Division 621****Pole Lines****621-0 Indexes and General Information****621-2 Poles****621-3 Crossarms and Brackets****621-4 Guys**

Number	Issue	Subject
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**621-0 Indexes and General Information****621-000 Indexes**

621-000-000	61	Numerical Index — Division 621 — Pole Lines
-------------	----	---

**621-020 General Information — Pole Lines**

621-020-013	6	Ordering, Delivery, Storage, and Markings on Poles and Stubs
621-020-111	5	Dimensions and Weights of New Poles and Reinforcing Stubs

**621-2 Poles****621-200 Poles — General**

621-200-011	2	Locating, Preparing, and Soil Bracing Poles
621-200-200	2	Placing Poles — Unloading Poles at Sidings
621-200-203	2	Loading and Binding Poles on Pole Trailers
621-200-205	2	Poles — Markings and Insignia

**621-205 Poles — Erecting**

Addendum	1	
621-205-010	8	Placing or Removing Poles Near Electric Power Wires
621-205-200	2	Erecting Poles and Stubs
621-205-211	3	Placing Pole Braces and H Fixtures
621-205-215	2	Installing Lightning Protection

Number	Issue	Subject
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**621-210 Stepping Poles**

621-210-012	1	General
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**621-215 Pole Line Inspection**

621-215-011	6	Use of Tables of Minimum Circumferences at Critical Sections — Use of Pole Inspection Rule
621-215-015	6	Inspection of Poles (2-93)

**621-220 Poles — Removal**

621-220-011	3	Salvage of Used Poles
621-220-200	2	Pole Removal

**621-295 Pole Maintenance**

621-295-300	7	Preservative Treatment of Standing Poles
621-295-305	3	Reinforcement
621-295-320	3	Pole Replacing (2-93)

**621-3 Crossarms and Brackets**

Addendum	1	
621-300-100	2	Exchange Crossarms
Addendum	1	
621-305-100	2	Carrier Crossarms
621-308-100	2	Insulator Pins
621-310-200	2	Equipping Crossarms
621-315-200	2	Placing Crossarms

**621-4 Guys****621-400 Anchors and Guys, General**

621-400-011	3	Guying — Definitions
621-400-013	5	Guying — Use of Guy Rule — Sizes of Guys
621-400-015	3	Guying — Insulated Wires
Addendum	1	
621-405-201	4	Guying — Methods of Insulating and Grounding

**621-410 Placing Guys**

621-410-200	5	Guying — Methods of Installation
621-410-206	4	Guying — Aerial Cable Lines (2-93)

Number	Issue	Subject
621-410-212	3	Guying — Open-Wire Lines
621-410-220	4	Guying — Sidewalk Anchor Guys (2-93)

**621-415 Placing Anchors**

621-415-011	1	Patent Guy Anchors — General
621-415-200	5	Patent Guy Anchors — Expanding Anchors (2-93)
621-415-201	1	Screw-Type Anchors
621-415-202	1	Patent Guy Anchors — Swamp Anchors
621-415-203	3	Patent Guy Anchors — Plate Anchors (2-93)
621-415-204	2	C Guy Anchor (AT-8891) — Power Installation
621-415-211	3	Nonpatent Anchors — Plank Anchors
621-415-215	3	Rock Anchors — Placing
621-415-217	5	Guying — Extending Length of or Adding Additional Eye to Existing Guy Rods

**621-420 Removal of Guys and Anchors**

621-420-241	3	Removal of Guys and Anchors (2-93)
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**Division 622**

**Conduit, Manholes and Cable Vaults**

**622-0 Indexes and General Information**

**622-1 Precautions**

**622-3 Main Conduit**

**622-4 Subsidiary Conduit**

**622-5 Manholes**

**622-6 Conduit for Service Connections**

**622-7 Cable Vaults**

Number	Issue	Subject
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**622-0 Indexes and General Information**

**622-000 Indexes**

622-000-000	64	Numerical Index — Division 622 — Conduit, Manholes and Cable Vaults
-------------	----	---

**622-020 General**

622-020-020	3	Conduit and Manhole Construction
622-020-100	5	Conduit and Conduit Couplings — Description

**622-1 Precautions**

622-100-010	2	Conduit and Manholes
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**622-3 Main Conduit**

**622-300 Main Conduit, General**

622-300-205	1	Special Construction
622-300-211	1	Reinforcing
622-300-300	2	Restoration and Rearrangement

**622-315 Main Conduit, Steel**

622-315-200	1	Steel Pipe — Laying
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Number	Issue	Subject
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**622-340 Main Conduit, Plastic**

622-340-200	4	B Plastic Polyvinyl Chloride (PVC) and B Polypropylene Conduit — Concrete Encased
622-340-201	4	C Plastic Polyvinyl Chloride (PVC) and C Polypropylene Conduit — Direct Buried in Soil

**622-395 Main Conduit, Repair**

622-395-300	1	Conduit Repair
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**622-4 Subsidiary Conduit**

622-400-100	3	Fittings — Description and Use
622-400-200	1	Laying
622-400-211	1	Terminating
■ 622-400-211AC	1	Subsidiary Conduit — Terminating
622-400-300	2	Repairing

**622-5 Manholes**

**622-500 Manholes, General**

622-500-011	4	General
622-500-020	1	Identification
622-500-300	1	Repairing

**622-505 Manholes, Concrete — Cast in Place**

622-505-210	2	Construction
-------------	---	--------------

**622-506 Manholes, Precast Concrete**

622-506-050	1	Controlled Environment Vaults (CEVs) — Description
622-506-051	1	24-Foot Controlled Environment Vault (CEV) — Description
622-506-052	1	KS-23038 CEV (Controlled Environment Vault) — Description
622-506-100	2	38 Y Types — Description
622-506-200	2	38Y-Type Installation
622-506-225	1	16-Foot Controlled Environment Vault (CEV) — Installation
622-506-226	1	16-Foot Controlled Environment Vault (CEV) — Operation and Maintenance

Number	Issue	Subject	Number	Issue	Subject
622-506-227	1	24-Foot Controlled Environment Vault (CEV) — Installation	<b>622-6 Conduit for Service Connections</b>		
622-506-228	1	24-Foot Controlled Environment Vault (CEV) — Operation and Maintenance	622-600-011	1	General
622-506-230	1	Below Ground Electronics Remote Terminal (BERT) — Installation — SLC®-96 Carrier System	622-600-012	1	Locating Run
622-506-235	2	Concrete Hut ED-7C285-30 — Description and Installation	622-600-200	1	Placing and Terminating Ducts
622-506-236	1	KS-23038 CEV (Controlled Environment Vault) — Installation	622-600-202	1	Placing Conduit Boxes
622-506-237	1	KS-23038 CEV (Controlled Environment Vault) — Operation and Maintenance	<b>622-7 Cable Vaults</b>		
<b>622-507 Manholes, Hardened Systems</b>			622-700-100	1	Central Office Cable Vaults — List of Unistrut Material
622-507-100	2	Precast Manholes for Hardened Systems — General	622-700-102	1	KS-21947 Cable Penetration Module — Description and Fire Sealing Procedures
622-507-206	3	C and D Precast Manholes	622-700-200	1	Central Office Cable Vaults — Construction of Unistrut Frame
622-507-216	3	F and G Precast Manholes			
622-507-226	1	K and L Precast Manholes			
622-507-236	1	Cast-in-Place — Construction			
<b>622-510 Manholes, Brick</b>					
622-510-200	1	Construction			
<b>622-512 Manholes, Sealing Conduit Entrances</b>					
622-512-200	2	Sealing Walls at Conduit Entrances			
<b>622-520 Manhole, Hardware</b>					
Addendum	1				
622-520-100	7	Manholes — Equipping			
622-520-111	1	Loading Manhole Racking			
622-520-201	4	Extension Rings — Description and Use			

**Division 623**

**Open Wire**

**-000 Indexes and General Information**

- 020/031 Open Wire — General
- 100/104 Open Wire Stringing — Precautions
- 190/195 Drainage and Inductors
- 200 Open Wire — Transposing — General
- 205 Open Wire — R Type Transpositions
- 215 Open Wire — Tensioning
- 220 Open Wire — Stringing Sags
- 230 Open Wire — Dead-Ending
- 235 Open Wire — Tying
- 300 Open Wire — Briding
- 310 Open Wire — Side Leads
- 400 Open Wire — Long Spans
- 500 Open Wire — Removal
- 800 Open Wire — Inspection
- 820 Open Wire — Repair and Restoration

Number	Issue	Subject
<b>623-000 Indexes and General Information</b>		
623-000-000	14	Numerical Index — Division 623 — Open Wire
<b>623-020/031 Open Wire — General</b>		
623-020-011	1	General
623-020-013	1	Crossarm Pin Numbering
623-020-015	1	Weights 624
623-030-100	1	Glass Insulators — Description and Use
623-030-101	1	Shock Resistant Insulators — Description and Use
623-030-103	1	B Vibration Damper — Description and Use
623-030-105	4	Sleeves for Joining Line
623-030-200	1	Rolled Sleeve Joints
623-030-201	2	Pressed Sleeve Joints
623-030-205	1	Installation Wirelink

Number	Issue	Subject
623-030-206	5	Bridging Sleeve
623-030-211	3	Open Wire — D Tree Wire
623-030-212	1	B Wire Spacer — Placing
623-030-213	2	L Wire Guard — Placing

**623-100/104 Open Wire Stringing — Precautions**

623-100-010	2	General
623-101-010	2	Electric Light or Power Crossings
623-102-010	2	Lines in Joint Use or Near Power Lines
623-103-010	1	Jointly Used Poles and Power Crossings — Prevention of Flip-Ups at Low Poles
623-104-010	1	Grounding Nonworking Wire

**623-190/195 Drainage and Inductors**

623-190-200	1	104-Type Protector
623-190-201	1	108-Type Protectors
623-190-220	1	Short-Circuiting Relay Protectors — Testing
623-195-205	1	116-Type Protectors
623-195-210	1	118A Protector

**623-200 Open Wire — Transposing, General**

623-200-011	1	Transpositions — General
623-200-200	3	Transposing on 4-Inch Point Transposition Brackets
623-200-205	2	Span Transpositions — F Tandem Transposition Bracket
623-200-206	1	Span Transpositions — Span Transposition Bracket
623-200-207	1	Span Transpositions — B Span Transpositions Bracket and B Transpositions — Spacer Bracket
623-200-211	1	Transposing Working Circuits
623-200-215	1	Installation of RS Copper Sleeves

**623-205 Open Wire — R Type Transpositions**

623-205-011	3	R Type Transpositions — General
623-205-012	3	R1-5 Transpositions — Application
623-205-013	3	R2-5 Transpositions — Application

Number	Issue	Subject	Number	Issue	Subject
623-205-014	2	R1-6 Type Transpositions — Application	<b>623-235 Open Wire — Tying</b>		
623-205-015	1	R1C-5 Transpositions — Application	623-235-011	1	General
623-205-016	1	R1C-6 Transpositions — Application	623-235-202	1	Position of Wire on Insulator
623-205-200	1	R-Type Transpositions — Placing Wire	623-235-203	1	Spiral and Modified Spiral Ties
<b>623-210 Open Wire — Stringing Wire</b>			623-235-204	1	Standard, Modified Horseshoe and Horseshoe Ties
623-210-200	2	Not Point Transposed	<b>623-300 Open Wire — Bridling</b>		
623-210-202	1	Use of Wire Reel Brake	623-300-201	2	Bridling Runs
623-210-205	1	Moving Reels — General	623-300-202	2	Bridling to Line Wire
623-210-206	1	Moving Reels — Non-Joint Use Lines	<b>623-310 Open Wire — Side Leads</b>		
623-210-207	1	Moving Reels — Jointly Used Lines and Power Crossings	623-310-201	1	Side Lead Terminations
<b>623-215 Open Wire — Tensioning</b>			<b>623-400 Open Wire — Long Spans</b>		
623-215-200	2	Tensioning	623-400-201	1	Noncatenary Long Span Construction
<b>623-220 Open Wire — Stringing Sags</b>			623-400-211	1	Catenary Long Span Construction
623-220-011	4	General	<b>623-500 Open Wire — Removal</b>		
623-220-012	1	Copper or Steel Line Wire	623-500-240	2	Removal
623-220-013	1	Copper — Steel Line Wire	<b>623-800 Open Wire — Inspection</b>		
623-220-014	2	H Steel Line Wire — 104 Copper Steel Line Wire	623-800-600	1	Inspecting
623-220-015	3	E Steel Line Wire	<b>623-820 Open Wire — Repair and Restoration</b>		
<b>623-230 Open Wire — Dead-Ending</b>			623-820-300	1	Repairing
623-230-201	6	Dead-Ending	623-820-301	1	Emergency Restoration of Service
			623-820-302	2	Restoration of Carrier Circuits — Use of 24A Auto-Transformer With HC Drop Wire

**Division 624**

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**Multiple Wire**

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**624-0 Indexes and General Information**

**624-2 Multiple Wire — Placing**

**624-7 C Rural Wire**

Number	Issue	Subject
<b>624-0 Indexes and General Information</b>		
<b>624-000 Indexes</b>		
624-000-000	23	Numerical Index — Division 624 — Multiple Wire
<b>624-070 Clearance for Multiple Wire</b>		
624-070-017	1	Clearances for Multiple Line Wire in the Heavy Loading Area



**Division 626****Cables, Wire, and Apparatus****626-0 Indexes, General Information, Service Wire, and Cable Packaging and Shipping****-000 Indexes****-020 General****-021 Service Wire — Reels of Wire****-030 Cable Packaging and Shipping****-099 Customer Information Release (CIR)****626-1 Standard Conductor, Carrier, Miscellaneous, and Lightguide Cables****-100 83nF/M Conductor Cables****-105 LOCAP Carrier Cables****-107 Miscellaneous Cables****-108 Lightguide Cables****626-2 Cable Description, Sizes, and Reel Lengths****-200 Cable Sizes and Reel Lengths****626-3 Aerial and Buried Wire****626-5 Standard Connectorized Cable****626-7 Cable Characteristics, Physical****626-8 Nonstandard-Limited Availability (NS-LA) Cables****626-W WIPS (Workcenter Information Packages)**

Number	Issue	Subject
<b>626-0 Indexes, General Information, Service Wire, and Cable Packaging and Shipping</b>		
<b>626-000 Indexes</b>		
626-000-000	36	Numerical Index — Division 626 — Cables, Wire, and Apparatus
626-000-005	2	Numerical and Permuted Indexes — Outside Plant Cables — CAD Cable Descriptions
<b>626-020 General</b>		
626-020-001	1	Copper Exchange Cable — Ordering Guide

**626-000 Indexes**

626-000-000 36 Numerical Index — Division 626 — Cables, Wire, and Apparatus

626-000-005 2 Numerical and Permuted Indexes — Outside Plant Cables — CAD Cable Descriptions

**626-020 General**

626-020-001 1 Copper Exchange Cable — Ordering Guide

**Number****Issue****Subject**

Addendum

1

626-020-002

1

CAD Cable Descriptions — Microfilm Distribution System and Ordering Information — Outside Plant Cable

626-020-006

1

Cable Conductors

626-020-007

1

Metallic Shields and Sheaths — Resistance

626-020-009

1

PIC- and Pulp-Insulated Exchange Cable — Shipping Procedures — General

626-020-010

2

Feeder and Distribution Cables — Selection

626-020-011

5

Designations for Cable Conductors, Conductor Insulations, Sheaths, and Protective Coverings

Addendum

1

626-020-020

4

Standard Plastic Sheaths

626-020-021

1

Superseded Plastic Sheaths

626-020-050

1

Provision of End Seals, End Caps, Pulling Eyes, Bond Wires; Air Pressure, and Reel Protection

626-020-101

3

Empty Reels — Loading Arrangements

626-020-200

3

Removing and Placing Lags on Cable Reels — Bundling Lags and Associated Reel Accessories

**626-021 Service Wire — Reels of Wire**

626-021-101

1

Large Capacity Reels of Wire — Handling Methods

**626-030 Cable Packaging and Shipping**

626-030-005

1

Cable Shipping Reels — Description, Dimensions, and Weights

**626-099 Customer Information Release (CIR)**

626-099-004IR

1

Discontinued Availability of Electronic Wire and Cable Products, Outside Plant

**626-1 Standard Conductor, Carrier, Miscellaneous, and Lightguide Cables**

**626-100/101 83nF/M Conductor Cables**

Number	Issue	Subject
626-100-006	5	CD and DD Series of Multiunit Pulp (MUP) — Description, Use, and Reel Lengths
626-100-050	2	AT&T Filled Plastic Insulated Cable ASP Sheath— Specification EXC-000 (8-93)
626-100-051	2	AT&T Fire Resistant Cable For Building Riser — Specification EXC-011 (8-93)
626-100-052	2	Plastic Insulated Telephone Cable — Self Supporting Sheath (12-93)
626-100-053	2	DUCTIPIC CABLE — Foam-Skin Plastic Insulated Telephone Cable — Bonded STALPETH Sheath
626-100-054	2	Fire Resistant Cable for Building Riser — Specification EXC-011 (12-93)
626-100-055	1	AT&T Filled Plastic Insulated Cable Bonded ASP Sheath — Specification EXC-019
626-100-056	2	Filled Plastic Insulated Telephone Cable — Self Supporting Sheath (12-93)
626-100-057	1	Filled Plastic Insulated Telephone Cable — ALPETH Sheath (EXC-021) (8-94)

**Plastic-Insulated**

626-101-005	5	Air Core Polyethylene-Insulated Nonscreened and Screened Cables — Description, Use, and Reel Lengths
Addendum 626-101-010	1 4	Waterproof Nonscreened and Screened Plastic-Insulated Cables — Description, Use, and Reel Lengths
626-101-015	3	Waterproof CGAW Plastic-Insulated Conductor (PIC) — High-Dielectric Strength Cables — Description, Use, and Reel Lengths
626-101-030	2	PIC and Pulp Steampeth Cables — Description Use, and Reel Lengths

**626-105 LOCAP Carrier Cables**

626-105-007	2	MAT MCR Cable — Description, Use, and Reel Lengths
626-105-008	2	ICOT (MLM and MCM) T1/T1C Carrier Cables — Description, Use, and Reel Lengths

**626-107 Miscellaneous Cables**

626-107-005	2	PE-PVC Insulated Terminating Cables — 22- and 24-Gauge
626-107-006	3	AR-Series Riser Cables — Description, Use, and Reel Lengths

**626-108 Lightguide Cables**

626-108-001	10	Generic Specification for Fiber Optic Outside Plant Cable
626-108-003	2	Fiber Optic Premises Cable Specification (4-94)
626-108-101	4	Ribbon-Type Multimode Lightguide Cables — Description, Use, and Reel Lengths Information — Underground, Aerial, and Buried Plant and Risers in Buildings
626-108-102	1	Stranded Single-Mode and Multimode Lightguide Cables — Underground, Aerial, and Buried Plant Applications — Description, Use, and Reel-Length Information
626-108-103	1	LIGHTPACK® Lightguide Cable — Underground, Aerial, and Buried Plant Applications — Description, Use, and Reel-Length Information
626-108-110	1	LIGHTPACK and Ribbon Type for Outside Plant — Single-Mode — Product Application Bulletin
626-108-111	1	ACCURIBBON™ Lightguide Cable — Product Application Bulletin
626-108-112	1	Single-Mode LIGHTPACK Cable System — Product Application Bulletin

Number	Issue	Subject	Number	Issue	Subject
<b>626-2 Cable Description, Sizes, and Reel Lengths</b>			626-759-030	2	Wire Armor Protection
<b>626-200 Cable Sizes and Reel Lengths</b>			626-759-040	1	Cable Diameters and Weights
626-200-114	4	PIC Cables — CA-1727 Type	626-759-050	1	Cable Reels — Capacity of Land and Wire-Armored (Submarine) Cable Reels
626-200-135	3	CCTV Coaxial Cable	<b>Standard Exchange Cables</b>		
Addendum	1		Addendum	1	
626-200-136	2	SS (Serrated Seam) 0.375-Inch Coaxial Cables	626-759-130	2	Standard Nonquadded Composite
626-200-137	1	Video Pair Cables	626-759-131	1	Superseded Nonquadded Composite
626-200-138	1	Nonquadded Composite Exchange Cables	626-759-152	2	PIC — 19-Gauge 0.066uF — Type CA- 1727
626-200-400	1	Filled Bonded ASP Cable	626-759-157	2	Polyethylene-Insulated Conductor (Air Core) Cable — 17-Gauge 83nF-Type AHC
626-200-500	2	DUCTPIC® Cable Product Application Bulletin (4-92)	626-759-158	2	Polyethylene-Insulated Conductor (Air Core) Cable — 20-Gauge 83nF-Type AHD
<b>626-3 Aerial and Buried Wire</b>			626-759-171	2	Superseded Textile- and Plastic-Insulated Terminating and Riser
626-300-100	6	Description	626-759-190	3	Standard Video Pair
626-300-126	6	Aerial Service Wire Metallic — Signal and Multiple Pair — Description	626-759-191	1	Replacement Video Pair
626-300-127	1	Fiberglass Reinforced Aerial Service Wires	626-759-192	1	Superseded Video Pair
<b>626-5 Standard Connectorized Cable</b>			626-759-195	1	Standard Stub
626-500-101	3	Connectorized Exchange Cable Splicing System (CONECS)	626-759-196	1	Superseded Stub
626-500-115	3	90-Type Cabinets — Coding Scheme and Ordering Information (2-94)	<b>Coaxial Cables for TV Service — CATV and CCTV</b>		
626-500-125	6	40- and 42-Type Cabinet Coding	626-759-201	3	Disc-Insulated
626-500-128	2	51A Cabinets — Description, Installation, Splicing SLC® Series 5 With DDM-PLUS Cabinets DT (8-93)	626-759-202	1	Expanded Insulation
<b>626-7 Cable Characteristics, Physical</b>			626-759-203	2	Solid Insulation
<b>General</b>			<b>Wire Armored Cables</b>		
626-759-005	2	Index of Cable CA-Drawing	626-759-250	2	Exchange Type
Addendum	1		<b>Toll Cables</b>		
626-759-020	1	Lead Sheaths	626-759-300	4	Quadded Toll Cable — General
Addendum	1		Addendum	1	
626-759-025	3	Outer Protection — Buried, Underground, and Aerial — Description and Use	626-759-301	2	Standard Quadded Cables
			Addendum	2	
			626-759-302	2	Superseded Quadded and Non-quadded Toll Cables
			626-759-303	2	Superseded Spiral-Four Disc-Insulated Quadded Cable
			626-759-304	2	Building-Out Cables
			626-759-305	2	24-Gauge Quadded Protective Cables

Number	Issue	Subject
626-759-306	2	Emergency Toll Cable — 22-Gauge Quads
626-759-350	3	Standard SS (Serrated Seam) Coaxial Toll Cables
626-759-351	1	Replacement SS (Serrated Seam) Coaxial (0.375-Inch)
626-759-352	1	Superseded SS (Serrated Seam) 0.270- and 0.375-Inch — Coaxial Toll Cables

**Superseded Exchange Cables**

626-759-400	1	Superseded Exchange Cables
626-759-405	4	16-Gauge Cable — Type NH
626-759-408	1	19-Gauge Cable — Type ANB
626-759-409	2	19-Gauge Cable — Type DNB
626-759-410	2	19-Gauge Cable — Type GNB
626-759-415	2	19-Gauge Cable — Type CBN
626-759-416	2	19-Gauge Cable — Type ENB
626-759-417	2	19-Gauge Cable — Type FNB
626-759-425	2	22-Gauge Cable — Type BSA
626-759-426	2	22-Gauge Cable — Type CSA
626-759-427	2	22-Gauge Cable — Type DSA
626-759-428	2	22-Gauge Cable — Type ESA
626-759-429	2	Service Cables
626-759-440	2	24-Gauge Cable — Type ASM
626-759-441	1	24-Gauge Cable — Type BSM
626-759-442	2	24-Gauge Cable — Type CSM
626-759-443	2	24-Gauge Cable — Type DSM
626-759-444	1	24-Gauge Cable — Type ESM
626-759-445	1	24-Gauge Cable — Type FSM
626-759-460	2	26-Gauge Cable — Type AST
626-759-461	2	26-Gauge Cable — Type BST
626-759-462	1	26-Gauge Cable — Type CST
626-759-463	1	26-Gauge Cable — Type DST
626-759-470	1	28-Gauge Cable — Type SW
626-759-481	1	17-Gauge Aluminum Cable — Type ANC
626-759-482	1	20-Gauge Aluminum Cable — Type AND
626-759-483	1	22-Gauge Aluminum Cable — Type ASF
626-759-490	1	Superseded Plastic-Insulated Conductor (Air Core) Cable — General
626-759-491	1	Superseded Plastic-Insulated Conductor (Air Core) PIC — Cable 19-Gauge

Number	Issue	Subject
626-759-492	1	Superseded Plastic-Insulated Conductor (Air Core) PIC — Cable 19-Gauge
626-759-493	1	Superseded Plastic-Insulated Conductor (Air Core) PIC — Cable 22-Gauge
626-759-494	1	Superseded Plastic-Insulated Conductor (Air Core) PIC — Cable 24-Gauge
626-759-495	1	Superseded Plastic-Insulated Conductor (Air Core) PIC — Cable 26-Gauge
626-759-496	1	Superseded Plastic-Insulated Conductor (Air Core) PIC — Cable Self-Supporting Type

**626-8 Nonstandard-Limited Availability (NS-LA) Cables**

626-800-090	3	Nonscreened and Screened Pulp-Insulated Conductor Cables — Description, Use, and Reel Lengths
626-800-095	1	Screened, Air Core, and Waterproof Plastic-Insulation Conductor Cable — Description, Use, and Reel Lengths — Nonstandard/Limited Availability (NS/LA)

**626-WIP Workcenter Information Packages**

626-WIP-003	1	Filled Bonded ASP Cable (Full Action Video)
626-WIP-004	1	DUCTPIC® Cable Preparation (Full Action Video)
626-WIP-005	1	PIC Banded Stalpeth Cable (Full Action Video)

**Division 627****Aerial, Block, and House Cable****627-0 Index and General Information**

- 000 Index
- 020 Aerial, Block, and House Cable
- 070 Aerial Cable and Guys — Clearances

**627-2 Suspension Strand**

- 200 Selection
- 210 Tensions and Sags
- 220 Attachments
- 230 Placing
- 240 Tensioning and Dead Ending
- 295 Maintenance

**627-3 Aerial Cable — Placing and Maintenance**

- 300 Placing Cable-In Rings
- 310 Cable Lashers
- 320 Lashed Aerial Cable — Placing
- 330 Lashed Aerial Cable — Terminating Lashing Wire
- 340 Lashed Aerial Cable — Arrangement of Supports
- 350 Prelashing Cable
- 360 Aerial Cable — Mechanical Protection
- 365 Aerial Cable — 1530-Type
- 370 Aerial Cable — Long Span Construction
- 380 Aerial Cable — Removal
- 390 Aerial Cable — Dancing
- 395 Aerial Cable — Maintenance

**627-6 Block and house cable**

- 610 Block and House Cable — Attaching

**627-7 Self-Supporting Cable**

Number	Issue	Subject
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**627-0 Index and General Information****627-000 Index**

- |             |    |  |
|-------------|----|--|
| 627-000-000 | 89 | Numerical Index — Division 627 — Aerial, Block, and House Cable (2-93) |
|-------------|----|--|

Number	Issue	Subject
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**627-020 Aerial, Block, and House Cable**

- |             |   |   |
|-------------|---|---|
| 627-020-005 | 3 | Bonding and Grounding Aerial Plant — General (2-93) |
|-------------|---|---|

**627-070 Aerial Cable and Guys — Clearances**

- |             |   |                     |
|-------------|---|---------------------|
| 627-070-015 | 3 | Light Loading Area  |
| 627-070-016 | 3 | Medium Loading Area |
| 627-070-017 | 3 | Heavy Loading Area  |

**627-2 Suspension Strand****627-200 Selection**

- |                 |   |  |
|-----------------|---|--|
| 627-200-015     | 2 | Copper Conductor Cables — All Loading Areas                |
| 627-200-016     | 1 | Aluminum Conductor Cables — All Loading Areas              |
| ■ 627-200-100AC | 1 | Optical Power Ground Wire (OPGW) — Power Line Right-of-Way |

**627-210 Tensions and Sags**

- |             |   |                           |
|-------------|---|---------------------------|
| 627-210-018 | 2 | Copper Conductor Cables   |
| Addendum    | 1 |                           |
| 627-210-019 | 1 | Aluminum Conductor Cables |

**627-220 Attachments**

- |             |   |   |
|-------------|---|---|
| Addendum    | 1 |   |
| 627-220-200 | 4 | Attachments — General                                       |
| 627-220-202 | 3 | Suspension Strand Attachments — Cable Extension Arms (2-93) |
| 627-220-204 | 2 | B Clamp Support   |

**627-230 Placing**

- |             |   |  |
|-------------|---|--|
| 627-230-201 | 3 | Suspension Strand Placing Methods (2-93)               |
| 627-230-205 | 5 | Suspension Strand — Strand Connectors — Placing (2-93) |
| 627-230-208 | 3 | B Strand Connector                                     |
| 627-230-210 | 1 | B Strand Reducer                                       |

**627-240 Tensioning and Dead Ending**

- |             |   |  |
|-------------|---|--|
| 627-240-200 | 3 | Tensioning — Use of Strand Dynamometer |
|-------------|---|--|

Number	Issue	Subject	Number	Issue	Subject
627-240-205	4	Tensioning — Use of Strand Pullers	<b>627-350 Prelashing Cable</b>		
627-240-211	3	Pulling Up and Tensioning	627-350-200	2	General
627-240-212	7	Dead Ending — General	627-350-212	2	Use of B and C Sheave Supports
627-240-213	5	False Dead Ending	<b>627-360 Aerial Cable — Mechanical Protection</b>		
627-240-225	3	Slack Span Construction	Addendum	1	
<b>627-295 Maintenance</b>			627-360-200	2	Mechanical Protection
627-295-301	1	Strand Transfer Tools — Description and Use	Addendum	1	
627-295-305	3	Replacing Deteriorated Strand	627-360-210	2	D and E Cable Guard — Protection From Squirrels and Birds
627-295-500	4	Testing	<b>627-365 Aerial Cable — 1530-Type</b>		
627-295-600	2	Inspection of Corroded Galvanized Strand	627-365-100	1	1530-Type Inductors
<b>627-3 Aerial Cable — Placing and Maintenance</b>			<b>627-370 Aerial Cable — Long Span Construction</b>		
<b>627-300 Placing Cable-In Rings</b>			627-370-200	2	Spans of 150 to 250 Feet in Length
627-300-200	2	Corner Cable Guide — Use	627-370-205	2	Spans Longer Than 250 Feet
627-300-211	2	Grade Clamps	<b>627-380 Aerial Cable — Removal</b>		
<b>627-310 Cable Lashers</b>			Addendum	1	
Addendum	1		627-380-240	2	Aerial Cable Removal
627-310-205	2	Use	627-380-245	1	Removing Lashing Wire
<b>627-320 Lashed Aerial Cable — Placing</b>			<b>627-390 Aerial Cable — Dancing</b>		
627-320-010	1	Connectorized Exchange Cable Splicing System ("CONECS")	627-390-011	4	General
627-320-011	7	General	627-390-205	2	Prevention Methods
627-320-201	1	Cable Lifter and Corner Cable Jack — Description and Use	<b>627-395 Aerial Cable — Maintenance</b>		
627-320-205	5	Moving Reel Method	627-395-320	2	Removing Bows From Aerial Cables on 10M and 16M Strand
627-320-206	7	Stationary Reel Method	<b>627-6 Block and House Cable</b>		
<b>627-330 Lashed Aerial Cable — Terminating Lashing Wire</b>			<b>627-610 Block and House Cable — Attaching</b>		
627-330-202	3	Terminating Lashing Wire	Addendum	1	
<b>627-340 Lashed Aerial Cable — Arrangement of Supports</b>			627-610-200	2	Anchoring Devices for Attaching Cables to Walls
627-340-101	4	Supports and Spacers — Description and Use	627-610-205	2	Block and Building Cable Placing
627-340-205	5	Arrangement of Supports	627-610-225	4	Placing Metallic Riser and Building Cable
			627-610-230	3	Placing Lightguide Cable in Risers, Conduit, and Plenums

Number	Issue	Subject
<b>627-7 Self-Supporting Cable</b>		
627-700-011	2	Stringing Sags and Tensions
627-700-014	5	Self-Supporting Cable Placing General (2-93)
627-700-015	1	Figure-8 Self-Supporting Fiber Optic Cable Placing — General
627-700-017	1	Dielectric Circular Self- Supporting Fiber-Optic Cable Installation (2-93)
Addendum	1	
627-700-020	1	Cable Supports — Description and Use

**Division 628**

**Underground Cable**

**628-0 Indexes and General Information**

**628-2 Placing**

**628-8 Maintenance**

Number	Issue	Subject
<b>628-0 Indexes and General Information</b>		
<b>628-000 Indexes</b>		
628-000-000	34	Numerical Index — Division 628 — Underground Cable

**628-2 Placing**

**628-200 Underground Cable — Placing**

628-200-200	2	Rodding and Cleaning Ducts
628-200-201	1	Steampeth Sheath Cable
628-200-205	1	Connectorized Exchange Cable Splicing System ("CONECS")
628-200-206	4	Pulling Cable Into Subsidiary Ducts
628-200-207	2	Placing Feeder and Riser Cable — Central Office Buildings
628-200-208	7	Underground Cable Placing
628-200-209	3	High-Production Methods
■ Addendum AC	B	
628-200-210	1	Underground Coaxial Cable Placing
628-200-212	1	Occupied Ducts
628-200-215	1	Innerduct Placing
628-200-216	2	Lightguide Cable Placing
628-200-216AC	1	Lightguide Cable Placing — Underground

Number	Issue	Subject
<b>628-220 Underground Cable — Sealing Ducts</b>		
628-220-200	3	General Requirements
628-220-201	4	Rubber Conduit Plugs
628-220-203	1	Wooden Conduit Plugs
628-220-204	4	Calking Materials
628-220-205	1	Plastic Conduit Plugs
<b>628-240 Underground Cable — Removing</b>		
628-240-240	4	Removing Underground Cable
628-240-240AC	1	Removing Underground Coaxial Cable
628-240-242	3	High Production Method
■ 628-240-243AC	1	AT&T-NSD OSP Lightguide Cable Removal

**628-8 Maintenance**

**628-800 Underground Cable — Maintenance**

628-800-305	2	Prevention of Cable Creepage in Underground Conduit
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**Division 629****Buried Plant****629-0 Indexes and General Information****629-1 Precautions****629-2 Buried Cable****629-7 Buried Wire**

Number	Issue	Subject
<b>629-0 Indexes and General Information</b>		
629-000-000	66	Numerical Index — Division 629 — Buried Plant
<b>629-020/030 General</b>		
629-020-005	2	Buried Cable — Markers
■ 629-020-005AC	1	Buried Cable — Markers (10-92)
629-020-009	1	B Wire Storage Closure — Description and Use
629-020-010	1	Buried Cable — Sheath Bonding — Nonpressurized Cables
629-020-012	2	Urban Installations
Addendum	1	
629-020-100	4	Installation — Telephone and Power in Same Trench and in Separate Trenches in Same Easement
629-020-102	4	Maintenance to Existing Systems — Procedures
<b>629-1 Precautions</b>		
<b>629-100/199 Buried Plant — Precautions</b>		
629-100-010	8	Precautions

Number	Issue	Subject
<b>629-2 Buried Cable</b>		
<b>629-200/249 Buried Plant — Placing</b>		
629-200-204	1	Connectorized Exchange Cable Splicing System (CONECS)
629-200-205	4	Guidelines for Trenching, Backfilling, and Ground Restoration
629-200-206	4	Guidelines for Placing
629-200-215	2	Plowing
629-200-220	2	Soil Erosion Control
629-230-201	5	Junctions — Buried Cable — Aerial Service (2-93)
629-240-001	1	Plowing Guidelines for Placing Lightguide Cable
■ 629-240-001AC	1	Plowing Guidelines for Placing Lightguide Cable (1-93)
<b>629-250 Aerial Cable to Buried Cable</b>		
629-250-200	1	Lowering Aerial Cable
Addendum	1	
629-250-201	3	Wrapping Lead Sheath Cable
<b>629-7 Buried Wire</b>		
<b>629-720 Buried Wire — Terminating</b>		
629-720-205	6	Buried Plant — Terminations of Buried Wire at Junctions With Buried Plant
629-720-215	4	D and E Buried Wire Terminals
<b>629-760 Buried Wire-Splicing</b>		
629-760-215	1	Installation of 179A1 Coil Case
<b>629-795 Buried Wire Maintenance</b>		
629-795-500	1	Testing

**Division 630**

**Submarine Cable**

**630-0 Indexes and General Information**

**630-1 Precautions**

**630-2 Placing**

**630-3 Splicing**

**630-8 Maintenance**

Number	Issue	Subject
<b>630-1 Precautions</b>		
630-100-010	3	Precautions
<b>630-2 Placing</b>		
630-200-200	2	Placing — General
630-200-205	1	Placing from a Barge
630-200-211	1	Placing From a Boat
630-200-215	1	Pulling Across Waterway
630-200-220	3	B Submarine Cable Clamp — Description and Installation

**630-3 Splicing**

Addendum	1	
630-300-010	1	Splice Case Method
Addendum	1	
630-300-100	1	Installation and Splicing — Load Coils in Submarine Cable

**Number Issue Subject**

**630-0 Indexes and General Information**

**630-000 Indexes**

630-000-000	6	Numerical Index — Division 630 — Submarine Cable
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**630-020 General Information**

630-020-011	1	General
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**630-8 Maintenance**

630-800-300	1	Repairing
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**Division 631****Cable Terminals****631-0 Index and General Information**

- 000 Index
- 005 Identification
- 020 Cable Terminals — General
- 040 Marking Terminals
- 050 Connecting Blocks, Terminal Blocks, and Connectors

**631-2 Outside Distribution Terminals**

- 210 N-Type and 53-Type Terminals
- 215 Closure Type
- 240 49-Type Terminals
- 250 104- and 105-Type Terminals

**631-3 Outside Cross-Connecting Terminals, Cabinets, and Interfaces**

- 300 Outside Cross-Connecting Terminals
- 310 29-Type Cabinets
- 340 SAC (Serving Area Concept) Interfaces

**631-4 Inside Terminals**

- 400 Distribution Terminals
- 440 Protected Terminals
- 460 Building Terminals

**631-6 Buried and Underground Terminals, Closures, and Interfaces**

- 600 Terminals, Closures, and Interfaces — Buried Plant
- 650 UG Terminals

**631-7 Broadband Terminals**

- 700 Video and Coaxial Cable Terminals

**631-W WIPS (Workcenter Information Packages)**

Number	Issue	Subject
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**631-0 Index and General Information****631-000 Index**

631-000-000	88	Numerical Index — Division 631 — Cable Terminals (5-95)
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Number	Issue	Subject
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**631-005 Identification**

631-005-050	3	2-, 6-, and 11-Type Protector Units — Description and Maintenance
631-005-100	6	Exchange Cable — Identification and Description — Terminating Facilities
631-005-102	2	Superseded and/or Manufacture Discontinued Terminating Facilities

**631-020 Cable Terminals — General**

631-020-101	8	10-Type and 12B1 Cable Stubs — Description and Installation
631-020-200	5	Brackets, 51B and 38-Y-3913, Description and Use

**631-040 Marking Terminals**

631-040-200	4	Outside Cross-Connecting Terminals
631-040-201	1	Inside Cross-Connecting Terminals — Binding Post Method
631-040-211	2	Cable Terminals
631-040-225	4	1B-Type Cable Terminal Blocks

**631-050 Connecting Blocks, Terminal Blocks, and Connectors**

Addendum	1	
631-050-108	3	66-Type Connecting Block — Description and Use
631-050-110	3	5A-Type Terminal Block — Description and Use
631-050-120	3	88-Type Connecting Blocks and Associated Hardware in Building Applications — Description and Use

**631-2 Outside Distribution Terminals****631-210 N-Type and 53-Type Terminals**

631-210-101	4	N-Type and 53-Type Cable Terminals — Description and Installation (2-93)
631-210-102	3	N-Type Cable Terminals — Description and Installation (2-93)

Number	Issue	Subject	Number	Issue	Subject
<b>631-215 Closure Type</b>			<b>631-4 Inside Terminals</b>		
631-215-200	5	5-Type Closures — Description and Installation	<b>631-400 Distribution Terminals</b>		
631-215-300	4	6-Type Closures — Description and Installation	631-400-101	6	Building Terminals — Mechanical Protection — Description and Installation
<b>631-240 49-Type Terminals</b>			631-400-102	3	Cable and Terminal Grounding in Subscriber Building — General
631-240-100	7	49-Type — Description	631-400-105	2	B Cable Terminal Frame — AT-8640 — Description and Installation
631-240-211	8	1A1 and 1B1 Terminal Stubs — Description and Installation in 105-Type Cable Terminals	631-400-110	1	110 Patch Panel System — Description and Installation
<b>631-250 105-Type Terminals</b>			631-400-111	4	110 Connector Systems for Premises Application (4-94)
631-250-100	5	105-Type Cable Terminals — Description and Installation (2-93)	631-400-115	1	110 Disconnect Block Data Sheet
631-250-210	2	AT&T FLEXTERM™ 5000 Aerial Cable Distribution Terminal — Description and Installation (10-93)	631-400-116	2	110 Connector Systems Data Sheet
631-250-215	2	AT&T FLEXTERM™ 6000 Aerial Cable Distribution Terminal — Description and Installation (10-93)	631-400-117	1	110D Connecting Block Data Sheet
<b>631-3 Outside Cross-Connecting Terminals, Cabinets, and Interfaces</b>			631-400-118	1	High-5 Product Family Fact Sheet
<b>631-300 Outside Cross-Connecting Terminals</b>			<b>631-440 Protected Terminals</b>		
631-300-100	6	B-Type Cable Terminals — Description and Installation	631-440-211	4	Terminal Blocks — Description and Installation — Building Terminals Inside Protected Building Terminals
631-300-212	1	B Cabinet Balcony, AT-7928 — Description and Installation	<b>631-460/470 Building Terminals</b>		
631-300-213	6	B-Type Terminals — Placing S Pole Seat and B Terminal Balcony	631-460-111	5	134-Type Protectors — Description and Use
<b>631-310 29-Type Cabinets</b>			631-460-113	3	188-Type Protectors — Description and Installation
631-310-201	5	Description and Installation	631-460-114	5	189-Type Protectors — Description and Installation
631-310-202	1	Skirt Assembly	Addendum	1	
<b>631-340 SAC (Serving Area Concept) Interfaces</b>			631-460-115	1	190-Type Protectors — Description and Use
Addendum	1		631-460-116	1	189P-Type Protectors — E/W 76-Type Connecting Block Output — Description and Installation
631-340-105	2	B Aerial Interface (AT-8685) — Description and Installation	631-460-117	1	189M-Type Protectors Equipped with RJ11 Jacks or RJ21 Connector Outputs — Description and Installation

Number	Issue	Subject	Number	Issue	Subject
631-460-118	1	195-Type Protector Description and Installation	Addendum	1	
631-460-119	1	199 E6A Type Protector Description and Installation	631-600-205	3	E Cable Closure
631-460-120	1	300-Type Building Entrance Cable Terminals — Description and Installation	631-600-214	2	16AA2 Closure — Description and Use
631-460-122	1	1500-Type Building Entrance Cable Terminal — Description and Installation	Addendum	1	
631-460-124	1	189F1-Type Protectors — E/W RJ11 Jacks and Customer Bridge Outputs —	631-600-221	3	G and H Cable Closures
631-460-125	2	1990-Type Protector — Description and Installation	631-600-222	2	38-Y-B and C Cable Closures — Gastight Closures — Sheath Preparation and Installation
631-460-130	1	188-E Type Protectors Description and Installation/470-205	631-600-225	4	UP-1248 (UP-1200) Cable Closure — Description and Installation
631-460-201	3	Main Terminals — Using 66-Type Quick-Connect Hardware	631-600-226	3	UP-1254 and LG-10/43 Cable Closures — Description and Installation
631-460-202	2	Building Entrance Terminals Using 88-Type Quick-Connect Hardware	631-600-228	3	40-Type Cabinet — Description and Placing
631-460-205	1	110-Type Connecting Blocks — Description and Installation — Building Entrance Terminals	631-600-229	3	76-Type Terminal Blocks — Installation — 40-Type Cabinet
631-470-201	1	Riser and Distribution	631-600-230	1	Ordering Guide for Pedestal and Pole Mounted Cabinets 40- and 42-Type Cabinets
631-470-202	2	Riser and Distribution Using 88-Type Quick-Connect Hardware	631-600-231	2	40-Type Cabinet — Installation of 108-Type Terminal Block
631-470-204	4	MC-10/48 Cable Closure — Description and Use	631-600-232	1	40-Type Cabinets With Protectors — Description
631-470-205	1	MC-12/40 Closure — Description and Installation	631-600-233	1	40-Type Cabinet — Description and Splicing — Rural Area Interface
631-470-206	1	MC NP Type Closures — Description and Installation	631-600-236	1	42-Type Cabinets — Description and Installation
			631-600-237	2	42-Type Cabinets — Splicing and Wiring
			631-600-239	3	80D-BP (Bulk Power) and 80D-HX (Bulk Power with Heat Exchanger) Cabinets Installation (7-94)
			631-600-240	7	80-Type Cabinets — Installation
			631-600-241	4	80B, 80C, and 80D Cabinets — Feeder Distribution Interface Splicing
			631-600-243	4	80E-BP Remote Terminal Cabinet — General Description and Ordering Information (4-93)
			Appendix	4	80E-BP Cabinet Equipping Guidelines (4-93)
			631-600-244	2	80E-BP (Bulk Power) Cabinet Installation (8-94)
<b>631-6 Buried and Underground Terminals, Closures, and Interfaces</b>					
<b>631-600/605 Terminals, Closures, and Interfaces — Buried Plant</b>					
631-600-003	1	Gravel in Pedestal Closures — Description and Use — Buried Plant			
631-600-007	2	B Flood Cover — Description and Installation			
631-600-204	2	3A1 Closure — Description and Installation			

Number	Issue	Subject	Number	Issue	Subject
631-600-245	1	Lettering Guidelines for 80-Type Cabinets (4-95)	631-600-268	1	80G-HX (Heat Exchanger) Cabinet ED-7C756-30 (5-95)
631-600-246	3	80A-BP (Bulk Power) and 80A-HX (Bulk-Power with Heat Exchanger) Cabinets Installation (11-94)	631-600-270	2	80-Type Cabinets Replacement Parts List and Associated Hardware (10-93) NOTE: Includes 631-600-271, 272, 273, 274, 276 Documents
631-600-247	5	80A (Bulk Power) Remote Terminal Cabinet General Description (4-95)	631-600-271	1	80A-Bulk Power (BP) Cabinet Replacement Parts List and Associated Hardware (2-93)
631-600-248	5	80A Cabinet (Bulk Power) ED-7C711-30 (5-95)	631-600-274	1	80D-BP Cabinet Replacement Parts List and Associated Hardware (9-93)
631-600-249	4	80D-BP Cabinet — General Description and Ordering Guide (6-93)	631-600-276	2	80E-BP Cabinet Replacement Parts List and Associated Hardware (9-93)
631-600-250	3	80D-BP (Bulk Power) Cabinet ED-7C716-30 (7-93)	Addendum	1	
631-600-251	1	80A-HX (Bulk Power) Remote Terminal Cabinet General Description and Ordering Information (3-93)	631-600-305	1	Pedestal Closures — Moisture Plugs at Cable Ends
631-600-252	2	40/41/42/841-Type Cabinets — Replacement Parts List and Associated Hardware	631-600-600	1	81C (Bulk Power) Cabinet ED-7C757-30 (8-94)
631-600-253	1	81C (Bulk Power) Remote Terminal Cabinet Description (7-94)	631-601-201	2	J Cable Closure — Description and Installation
631-600-254	1	80D-HX (Bulk Power With Heat Exchanger) Cabinet— General Description and Ordering Information (4-93)	Addendum	1	
631-600-255	2	80E Cabinet (Bulk Power) ED-7C703-30 (5-93)	631-604-205	1	LD- and LE-Type Cable Closures — Description and Installation
631-600-256	1	80A-HX Cabinet (Bulk Power) ED-7C732-30 (9-93)	Addendum	1	
631-600-257	1	80D-HX (Bulk Power with Heat Exchanger) Cabinet ED-7C733-30 (4-93)	631-604-210	4	PC-Type Cable Closures — Description and Installation
631-600-260	4	40 EP4/EP5-Type Cabinets — Description and Installation (7-93)	631-604-212	1	RC4/72 Cable Closure — Description and Installation
631-600-261	1	81C and 81C-HX (With Heat Exchanger) Cabinet Installation (7-94)	631-604-215	3	85-Type Closures — Description and Installation
631-600-262	1	80A OTN (Optical Transition Node) Cabinet Installation (6-94)	631-605-206	1	Below ground Control Point — 12A1 Cable Closure
631-600-264	1	80G and 80G-HX (Heat Exchanger) Remote Terminal Cabinet Installation (5-95)			
631-600-266	1	80G-HX (Heat Exchanger) Remote Terminal Cabinet General Description and Ordering Information (5-95)	<b>631-650 UG Terminals</b>		
			631-650-200	4	UG-16 Cable Terminal — Description and Installation

Number	Issue	Subject	Number	Issue	Subject
<b>631-7 Broadband Terminals</b>			631-WIP-026	1	40-Type Cabinet — Splicing (full action video)
<b>631-700/714 Video and Coaxial Cable Terminals</b>			631-WIP-027	1	40-Type Cabinet — 76-Type Block — Wiring (full action video)
631-700-101	2	Description of Video Terminals — Paired and Coaxial	631-WIP-028	1	40-Type Cabinet E/W 108-Type Connectors Field Termination, and Wiring (full action video)
631-700-115	1	Cable Terminals — K Carrier Systems	631-WIP-029	1	40-Type P2 Cabinets — Splicing (full action video)
Addendum	1		631-WIP-030	1	40-Type Cabinet — Wiring — 99-Type Terminals (full action video)
631-700-205	2	Mounting — Paired and Coaxial	631-WIP-031	1	40-Type P4 and P5 Cabinets — Installation (full action video) 92)
631-710-210	7	Coaxial Terminals — Coaxial Cable Systems	631-WIP-032	1	Field-Encapsulated — 40-Type Cabinets — Splicing and Encapsulation (full action video) (3-92)
631-710-220	4	Carrier Systems — Noncoaxial Terminals	631-WIP-036	1	40-Type P4 and P5 Cabinets — Splicing (full action video) (3-92)
<b>631-W WIPs</b>			631-WIP-052	1	80G Cabinet Installation (Video) (5/95)
<b>631-WIP Workcenter Information Packages</b>					
631-WIP-001	1	110 Connector System (slide/audio)			
631-WIP-003	1	N-Type Cable Terminal (slide/audio)			
631-WIP-006	1	85-Type Closure — Installation (slide/audio)			
631-WIP-008	1	80-Type Cabinets — Installation (slide/audio)			
631-WIP-009	1	80-Type Cabinets — Splicing (slide/audio)			
631-WIP-011	2	42-Type Cabinets — Installation and Splicing (slide/audio)			
631-WIP-012	1	105-Type Cable Terminals (slide/audio)			
631-WIP-013	1	MC12/25NP and MC12/50NP Closures — Installation and Wiring (full action video)			
631-WIP-016	2	189-Type Protector — Application (full action video) (4-92)			
631-WIP-018	1	189-Type Protection — Application (full action video)			
631-WIP-020	1	189-Type Protector — Installation (full action video)			
631-WIP-021	1	Flexterm™ 5000 E/W J-Series Blocks — Installation (full action video) (6/94)			
631-WIP-022	1	Flexterm™ 6000 E/W J-Series Blocks — Installation (full action video) (6/94)			
631-WIP-025	1	40-Type Cabinet — Installation (full action video)			

**Division 632****Cable Splicing****632-0 Index and General Information****-020 General****-032 Cable, Paper, and Pulp Types****-033 Cable, PIC Types****-035 Cable, Special****-050 Desiccant and Paraffin****-055 Cotton Sleeves****632-1 Splicing Methods****-115 Wire Arrangement****632-2 Joints****-200 Twisted Joints****-205 Pressed and Punched Joints****-210 Soldered Joints****-215 Metallic Shields****632-3 Setting Up****-300 Aerial, Block and House Cable****-305 Cable in Manholes and Vaults****-310 Buried Cable****-315 Preparation — Sheath Openings and Ends****632-4 Splicing Plans and Cables****-400 Plans****-405 Capacitance Building-Out****-410 PIC Cable****-420 Video Cable****-425 Coaxial Cable****-430 Spiral—Four Cable****-435 Submarine Cable****-490 Wrapping Splice****632-6 Splicing Terminals****-615 Video Terminal****632-8 Maintenance****-800 Cable Maintenance****632-W WIPS (Workcenter Information Packages)****-WIP Work Center Information Packages**

Number	Issue	Subject
<b>632-0 Index and General Information</b>		
<b>632-000 Index</b>		
632-000-000	32	Numerical Index — Division 632 — Cable Splicing
<b>632-020 General</b>		
632-020-101	6	Cable Tags — Underground Cable
632-020-105	3	Factory-Furnished Records of Cable Pair Defects — Description
632-020-200	5	Defective Pairs — Locating and Handling
632-020-240	3	Cable Removal — Cutting Splice Closures From Plant
632-020-250	4	Connectorized Exchange Cable Splicing System (CONECS) — Description
632-020-260	1	Insulating Joints and Capacitor Installation on Lead and Polyethylene Sheath Cables
<b>632-032 Cable, Paper and Pulp Types</b>		
Addendum	1	
632-032-110	5	General — Multiple Units — AD-Type Pulp-Insulated Cables
632-032-111	2	General — Multiunit Pulp-Insulated — CD-Type Cables
632-032-112	1	General — PIC and Pulp Steam-peth Cables
632-032-201	1	General — Plastic Insulated Conductor (PIC) Cables — Description
<b>632-033 Cable, PIC Types</b>		
632-033-153	1	CA-1727 Type
<b>632-035 Cable, Special Types</b>		
632-035-111	2	Video Cables — Description
632-035-120	4	Standard (Serrated Seam) Coaxial Cables — Description



Number	Issue	Subject	Number	Issue	Subject
<b>632-050 Desiccant and Paraffin</b>			<b>632-205-216</b>		
632-050-200	2	Paraffin and Splicing Oil	632-205-217	2/87	709-Type QUICK SNAP® Connectors — Description and Use
632-050-205	5	Desiccants — Description and Use	632-205-220	5	QUICK SNAP Connector — Connectors to Join Copper Conductors
<b>632-055 Cotton Sleeves</b>			632-205-220	5	Wire Joining — 710 Connector System
632-055-205	3	Cable Splicing — General Clearing and Insulating Conductor Ends	Addendum	1	
<b>632-1 Splicing Methods</b>			632-205-222	1	Wire Joining System — 711 Connector System — Description and Use (5-92)
<b>632-115 Wire Arrangement</b>			632-205-235	2	Wire Joining With Modular Splicing System
632-115-101	1	Foldback Splicing Method	<b>632-210 Soldered Joints</b>		
<b>632-2 Joints</b>			632-210-200	2	Soldered Twisted Joints
<b>632-200 Twisted Joints</b>			<b>632-215 Metallic Shields</b>		
632-200-200	1	Twisted Straight Joint	632-215-200	3	Core Protection and Shield Continuity or Layer Shielded and Static Shielded Cables
632-200-201	1	Twisted Bridge Joint	<b>632-3 Setting Up</b>		
632-200-202	1	Trimming Out Bridge	<b>632-300 Aerial, Block and House Cable</b>		
632-200-204	2	Twisted and Solder Dipped Joints — Nonworking Cable	632-300-200	2	Cable Splicing Aerial — Preparation and Arrangement
632-200-205	1	Twisted Butt Joint	632-300-205	4	Aerial Slack Pullers — Use
<b>632-205 Pressed and Punched Joints</b>			<b>632-305 Cable in Manholes and Vaults</b>		
632-205-200	4	Joints in Aluminum Conductors	632-305-015	3	Cable Splicing — Underground — Setting Up Cable
632-205-201	5	B Wire Connector — Description and Approved Conductor Combinations	632-305-215	3	Cable Arrangements in Manholes
632-205-205	2	Fold-Back Splicing Using D Connector Presser	632-305-216	1	Stub Cable Arrangement in Manholes
632-205-206	2	Wire Joining Using Pair-A-Tester Splicing System	632-305-220	2	Splicing and Cable Racking Arrangements — Central Office — Cable Entrance Facility System
632-205-207	1	Splicing Strip-Paper Insulated Wires Using B Wire Connectors	632-305-222	2	L4/L5 Carrier Basic Manhole — Equipping and Splicing Arrangements
Addendum	1		632-305-223	2	L4/L5 Basic Manhole Equipping and Splicing — 22 Coaxial System
632-205-211	1	UG "Scotchlok*" Connector — Bridging Small Branch Cables and Terminal Stub Cables	632-305-224	2	L4/L5 Basic Manhole Equipping and Splicing — 12 Coaxial System
632-205-215	6	700-, 701-, 702-Type Connectors — Wire Joining			

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Number	Issue	Subject	Number	Issue	Subject
632-305-225	1	Wiring Options at L4 Basic Repeater Manhole	<b>632-405 Capacitance Building-Out</b>		
632-305-226	1	Wiring Options at L5 Basic Manholes	632-405-200	3	Spool Type and Mica Condensers
632-305-230	1	L4/L5 Carrier — Regulating Manhole — Equipping and Splicing Arrangements	632-405-205	1	388A Condensers
632-305-231	1	L4/L5 Regulating Manhole Equipping and Splicing — 22 Coaxial System	632-405-211	1	Building-Out Stub Cables
632-305-232	1	L4/L5 Regulating Manhole Equipping and Splicing — 12 Coaxial System	<b>632-410 PIC Cable</b>		
632-305-233	1	Wiring Options at L4 Regulating Manholes	632-410-200	12	Plastic Insulated Conductor (PIC) Cable — General
632-305-234	1	Wiring Options at L5 Regulating Manholes	632-410-203	2	Encapsulation of Joints
<b>632-310 Buried Cable</b>			<b>632-420 Video Cable</b>		
632-310-011	1	Buried — General	632-420-205	5	Splicing Video Pairs
632-310-200	1	Buried — Junction With Other Plant	<b>632-425 Coaxial Cable</b>		
<b>632-315/319 Preparation — Sheath Openings and Ends</b>			632-425-201	3	Joining 0.270-Inch Coaxials
632-315-200	4	Removing Cable Sheath — General	632-425-203	3	Splicing 0.270 Inch to 0.375 Inch Serrated Seam Coaxials
Addendum	1		Addendum	1	
632-319-211	4	Removing Outer Protection and Bonding Armor	632-425-205	3	Splicing Multiple Tube Coaxial Cable — Serrated Seam
<b>632-4 Splicing Plans and Cables</b>			632-425-207	1	Splicing Composite Coaxial Cable
<b>632-400 Plans</b>			<b>632-430 Spiral — Four Cable</b>		
632-400-011	5	General Rules for Making a Splice	632-430-200	2	Spiral-Four Disc Insulated Cable
632-400-200	1	Random Splice — Exchange Cable — 19- Gauge and Smaller	<b>632-435 Submarine Cable</b>		
632-400-201	1	Random Splice — Exchange Cable — 13- and 16-Gauge	632-435-200	1	General
632-400-202	2	Bunch Splice	632-435-205	1	Overlap Armor Wire Method
632-400-205	1	Random Splices in Toll Cables	632-435-211	1	Welded Armor Wire Method
632-400-211	1	Test Splice in Toll Cable	<b>632-490 Wrapping Splice</b>		
632-400-215	2	Terminating K Carrier Cables — Planned Splices for Successive Repeater Stations (On Quadded Cable Routes) to Minimize Recurrence of Same Two K Systems in a Quad	Addendum	1	
			632-490-200	6	General — Wrapping Completed Splice
			<b>632-6 Splicing Terminals</b>		
			<b>632-615 Video Terminals</b>		
			632-615-200	1	Connecting and Terminating Flexible Shielded Video Cable

Number	Issue	Subject
<b>632-8 Maintenance</b>		
<b>632-800 Cable Maintenance</b>		
632-800-324	1	Quadded and Paired Cable — Restoration Procedures
<b>632-W WIPs</b>		
<b>632-WIP Work Center Information Packages</b>		
Ⓞ632-WIP-002	2	QUICK SNAP Connectors — Installation (slide/audio)
Ⓞ632-WIP-003	1	710 Modular Splicing System (full action video)
Ⓞ632-WIP-004	1	711 Connector System — 1025B Tool Kit (full action video)
Ⓞ632-WIP-005	1	711 Connector System — 1042A Tool Kit
632-WIP-006	1	711 Connector System — 1043A Tool Kit
Ⓞ632-WIP-007V	1	890B & 890E Tools — Inspection, Performance, & Operation (1/2-inch VHS) (4-92)

**Division 633**

**Splice Closures**

**633-0 Index, General Information, and Sheath Openings**

- 020 General
- 040 Sheath Openings, Temporary Protection

**633-2 Lead Closures**

- 200 Sleeves
- 210 Wedges, Discs, Plates, and Sleeve Liners
- 250 Steel Sleeves

**633-3 Wrapped, Insulated, and Special Closures**

- 300 Wrapped Joints
- 330 Plastic Joints

**633-4 Splice Cases**

**633-5 Closures**

- 500 Types 1A1, 1B1, 1C1, 16, 18, 23, 1900, 2200, and 62A1
- 501 Universal Lightguide Closure (UCB1)
- 506 2-Type Plastic Closure, Types 50 and 51
- 515 4-Type Closures
- 560 Control Office and Building Splice Closures

**633-W WIPS (Workcenter Information Packages)**

- WIP Workcenter Information Packages

Number	Issue	Subject
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**633-0 Index, General Information, and Sheath Openings**

**633-000 Index**

633-000-000	6	Numerical Index — Division 633 — Splice Closures
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**633-020 General**

633-020-011	1	Solders
633-020-201	4	Supports at Y-Splices — Description and Use
633-020-205	5	Buried Splices — Corrosion Protection
633-020-208	1	Bonding and Grounding — Buried and Underground Plant Methods

Number	Issue	Subject
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633-020-209	1	2400 Series Lightguide Grounding Closure — Description and Installation
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633-020-210	1	FR-Type Jacket — Description and Installation
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**633-040 Sheath Openings, Temporary Protection**

633-040-201	6	Temporary Splice Protection Using CR Tape
633-040-202	3	C and D Splice Covers

**633-2 Lead Closures**

**633-200 Sleeves**

Addendum	1	
633-200-201	1	Lead-Calcium Sleeves — Description and Installation

**633-210 Wedges, Discs, Plates and Sleeve Liners**

633-210-210	1	C Sleeve Liner — Description and Use
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**633-250 Steel Sleeves**

633-250-200	3	B Steel Sleeve — Wiped Joints
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**633-3 Wrapped, Insulated, and Special Closures**

**633-300 Wrapped Joints**

633-300-200	5	Auxiliary Sleeves — Plastic- or Lead- Jacketed Cables
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**633-330 Plastic Joints**

633-330-200	2	Plastic Joint
633-330-210	3	End Plate Kits — Coaxial Cable Systems

**633-4 Splice Cases**

633-400-200	9	Types 20 and 21 — Description and Installation
633-460-210	6	Types 9A, 10A, 11A, 12A, 40E2, 41E2 — Description and Installation for Dual Jacketed Cables
633-470-100	4	Types 13A and 14A — Description and Installation

Number	Issue	Subject	Number	Issue	Subject
<b>633-5 Closures</b>			<b>633-506-210</b>		
<b>633-500 Types 1A1, 1B1, 1C1, 16, 18, 23, 1900, 2200, and 62A1</b>			3 2000-Series — Copper Applications — Description and Installation		
633-500-101	4	Types 1A1, 1B1, and 1C1 — Description and Installation	<b>633-515 4-Type Closures</b>		
633-500-102	3	Type 18 — Description and Installation	633-515-101	5	Types 4A1 and 4B1
633-500-104	3	Type 16 — Description and Installation	<b>633-560/579 Central Office and Building Splice Closures</b>		
633-500-106	1	62A1 Ages — Description and Installation	633-560-101	5	Types K and B Splice — Description and Installation
633-500-108	1	1900-Series — Description and Installation	Addendum	1	
633-500-110	1	Type 23 — Description and Installation	633-560-205	1	Type 21D4 — Description and Installation
633-500-112	1	2200 Series — Description and Installation	<b>633-W WIPs</b>		
<b>633-501/502 Lightguide Closure</b>			<b>633-WIP Workcenter Information Packages</b>		
633-501-101	4	Universal Lightguide Closure (UCB1)— Description and Use (2-93)	633-WIP-001	1	1900 Series Closure — Installation (slide/audio)
633-501-102	1	(UCB1-STH/P) — Description and Use	633-WIP-002	1	2000 Series Pressurized Closure — Installation (full action video)
633-501-103	1	Universal Lightguide Closure (UCB2) — Description and Use (2-93)	633-WIP-007	1	62A1-Ages Closure — Installation (slide/audio)
633-502-100	2	2500 LG Series Lightguide Splice/Drop Closure Assembly Instructions (8-91)	633-WIP-009	1	50- and 51-Type Nonpressurized Closures — Installation (slide/audio)
633-502-101	1	2600LG/SC1 Fiber Optic Closure, Assembly Instructions (1-93)	633-WIP-010	1	Universal Lighthouse Closure UCB1 (Parts 1 and 2) (slide/audio)
633-502-102	1	2500LG/SC1 Lightguide Closure — Description and Use	633-WIP-011	2	2200 Series Closures — Installation (slide/audio)
<b>633-506 2-Type Plastic Closure, Types 50 and 51</b>			633-WIP-012	1	2199 Series Closure — Installation (full action video)
Addendum	1		633-WIP-014	1	2000 Series Fire-Resistant Closure — Installation (full action video)
633-506-201	5	Type 2 — Description and Installation	633-WIP-015	2	2000 Series Closure With Boreable End Plates (slide/audio)
633-506-205	3	Types 50 and 51 — Description and Installation	633-WIP-018	1	Central Strength Member (CSM) Cable for Use in 2600 LG/SCI Closure (full action video)
633-506-206	1	Types 50 and 51 — Nonpressurized — Description and Installation	633-WIP-019	1	2600 LG/SCI Closure — Installation (full action video)
			633-WIP-020	1	2400 LG Type Closure — Installation (full action video)

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
633-WIP-021	1	2418LG Distribution/Drop Closure — Installation (full action video) (6/94)
633-WIP-024	1	2200 UG Series Closure — Installation (full action video)
633-WIP-025	1	2200 UG Series Closure With Interwrap (full action video)
633-WIP-030	1	UCB2 Fiber Optic Closure — Installation (full action video)(12-93)
633-WIP-031	1	UCB Cover — Installation and Reentry (full action video) (6-94)

**Division 634****Electrical Cable Testing and Identification****634-0 Indexes and General Information****-000 Indexes****-020 Cable Testing — General****634-2 Identifying Conductors, Locating Underground Pipes and Cables****-200 Identifying Conductors, Two Point Operation****-210 Identifying Conductors, Single Point Operation****-215 Cable Restoration****-220 Locating Underground Pipes and Cable****634-3 Fault Location, Transfers, and Section Replacement****-300 Defective Pairs — Detection****-305 Fault Location****-310 Fault Location — Wheatstone Bridge****-315 Fault Location — Sheath Openings****-320 Testing and Fault Location Coaxial Cable****-350 Cable Transfers****-355 Section Replacement****634-4 Transmission Tests****-400 Capacitance Testing Crosstalk Reduction****-405 Transmission Tests — Picturephone****-414 Transmission Test Set Coaxial Cable****-420 WIP (Workcenter Information Package)**

Number	Issue	Subject
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**634-0 Indexes and General Information****634-000 Indexes**

634-000-000	73	Numerical Index — Division 634 — Electrical Cable Testing and Identification
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**634-020 Cable Testing — General**

634-020-010	2	Identification of Electrical Test Equipment
634-020-012	2	Resistance of Cable Conductors
634-020-500	3	Insulation Resistance Tests Paper Insulated Cables

Number	Issue	Subject
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634-020-501	2	General Rules for Using Identification Tone and for Establishing a Talk Circuit
634-020-502	3	Detecting Tone With an Amplifier
634-020-504	2	High Potential DC Testing of Wire Communication Facilities Serving Power Stations
634-020-505	1	1097A Filter — Description and Use

**634-2 Identifying Conductors, Locating Underground Pipes and Cables****634-200 Identifying Conductors, Two Point Operation**

634-200-225	1	145A Test Set — Description and Use
634-200-450	1	138A Test Set — Description and Use
Addendum	1	
634-200-501	4	76C Test Set — Description and Maintenance and Establishing Talk and/or Calling Circuit
634-200-502	2	General — Identifying Conductors With 84A Test Set (Cableman's Talking Set)
634-200-503	2	79D Test Set
634-200-504	1	146A Test Set — Description and Use
634-200-511	2	Cable Testing — General

**634-210 Identifying Conductors, Single Point Operation**

634-210-507	3	Using the 108A and 109A Test Sets
634-210-510	1	Pair Identification Using CB Automatic Pair Identifier
634-210-511	1	S Test Connector (AT-8953) — Description and Use
634-210-512	1	99-Type Connector — Description and Use

**634-215 Cable Restoration**

634-215-500	1	Dedicated Plant Identifying Paper Insulated Cable Pairs
634-215-505	1	Rapid Restoration and Neon Restoral Boards

Number	Issue	Subject
<b>634-220 Locating Underground Pipes and Cables</b>		
634-220-500	2	Low Frequency Method
634-220-501	4	Locating Underground Pipes and Cables — High Frequency Method
■ 634-220-502AC	3/93	Locating Underground Facilities Using the Radiodetection Line Management System (RDLMS)(3-93)
634-220-505	2	B Ground Probe (AT-8681) — Description and Use
■ 634-220-601AC	1	Aerial Patrol Procedures (10-92)
■ 634-220-602AC	1	Tools and Test Sets — Description (10-92)
■ 634-220-605AC	1	Blasting Around AT&T Facilities (10-92)
■ 634-220-610AC	1	Outside Plant Training (9-93)

**634-3 Fault Location, Transfers, and Section Replacement**

**634-300 Defective Pairs — Detection**

634-300-501	2	Battery and Receiver Method
634-300-511	2	AT-8592 L1A and L1B Test Sets — Description and Use

**634-305 Fault Location**

634-305-501	11	KS-14103 L5 Test Set (Breakdown) — Description, Use, and Maintenance
Addendum	1	
634-305-502	1	KS-14103 L6 Test Set (Breakdown) — Description, Use, and Maintenance
634-305-505	4	Locating Faults in Nonloaded Cables by the Exploring Coil Method
634-305-510	2	Locating Open Faults — Using the Delcon* 4910-Type Open Fault Locators
634-305-511	2	Locating Faults in Long or Loaded Cables by the Exploring Method
634-305-512	1	Locating Faults With the 78A and 95A Test Sets

Number	Issue	Subject
634-305-513	1	Locating Faults With the 99A and 95B Test Sets
634-305-514	1	Locating Faults Using the Dynatel* 710A Test Set — Description and Use
634-305-515	1	Digital Transmission Systems

**634-310 Fault Location — Wheatstone Bridge**

634-310-500	3	Locating Faults With Portable Wheatstone Bridge (KS-14959 Test Set)
Addendum	2	
634-310-501	3	Locating Cable Faults With the 96A Test Set

**634-315 Fault Location — Sheath Openings**

634-315-501	2	173A Test Set — Description and Use
634-315-502	3	170-Type Buried Service — Wire Test Set — Description and Use
634-315-505	2	176A Test Set — Description and Use

**634-320 Testing and Fault Location Coaxial Cable**

634-320-010	2	General Precautions
634-320-501	1	Operation of 94A Test Set
634-320-502	3	Adaptors and Cords
634-320-505	1	128A Test Set — Use
634-320-506	2	Corona Noise Location — Test Set — Description, Use, and Maintenance
634-320-508	1	KS-22172 Coaxial Probe Test Set — Description, Use, and Maintenance — L-Type and T4M Carrier Systems
Addendum	2	
634-320-550	2	90A Test Set — Description, Maintenance, and Use

**634-350 Cable Transfers**

634-350-505	4	Transfers
634-350-515	1	Using the Cut-Closed Set (AT-8241, L1A Test Set)

\* Delcon is a registered trademark of Container Corporation of America

\* Dynatel is a registered trademark of Minnesota Mining and Manufacturing Company



Number	Issue	Subject
<b>634-355 Section Replacement</b>		
634-355-500	4	Cable Testing \m General Section Replacement \m General Rules (2-93)
634-355-501	3	Identifying Conductors
634-355-503	1	104A Test Set Method

**634-4 Transmission Tests**

<b>634-400 Capacitance Testing and Crosstalk Reduction</b>		
634-400-505	2	Capacitance Unbalance Testing
634-400-506	1	Localized Balancing for Reduction of Crosstalk in 4-Wire Cable Circuits
634-400-511	3	Balancing Cable and Balancing Unit for Reducing Quadded Cable Capacitance Unbalances
634-400-512	1	Adjustable Balancing Condensers for Reducing Crosstalk in Toll Entrance and Toll Cable Circuits
634-400-515	1	Far-End Crosstalk Measurements
634-400-530	1	152A Test Set (Construction Verification Test Set) — Description and Use

**634-405 Transmission Tests — Picturephone**

Addendum	1	
634-405-301	1	Trouble Location
634-405-501	2	Suitability Testing Procedures

**634-414 Transmission Test Set Coaxial Cable**

634-414-201	2	T4M Digital Line — J98721G Transmission Test Set Use
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**634-420 WIP (Workcenter Information Package)**

634-420-001	1	Data and Electronic Wire and Cable Transmission Design Principles (full action Video)
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**Division 635**

**Electrolysis — Outside Plant**

**635-0 Indexes and General Information**

**635-2 Placing**

-200 Electrolysis Drainage Wire Construction

-210 Electrolysis Switches

**635-3 Repair**

-300 Electrolysis Testing

Number	Issue	Subject
<b>635-0 Indexes and general information</b>		
635-000-000	6	Numerical Index — Division 635 — Electrolysis — Outside Plant

**635-2 Placing**

**635-200 Electrolysis Drainage Wire Construction**

635-200-011	1	General
635-200-200	1	Attachments to Poles
635-200-201	1	Stringing Wire
635-200-202	1	Splicing
635-200-203	1	Installation of Protective Equipment
635-200-204	1	Underground
635-200-205	1	Special Construction

**635-210 Electrolysis Switches**

635-210-200	1	Placing KS-14385 Electrolysis Switch
635-210-211	1	Placing KS-8274 Electrolysis Switch
635-210-500	1	Electrolysis Testing, KS-14385 Electrolysis Switch
635-210-511	1	Testing, KS-8274 Electrolysis Switch

**Number Issue Subject**

**635-3 Repair**

**635-300 Electrolysis Testing**

635-300-011	1	General
635-300-012	1	Tables and Formulas
635-300-100	1	Instruments and Apparatus
635-300-102	1	M3A1 and B3A1 Miller Meters
635-300-105	1	KS-14416 Test Set
635-300-505	1	Initial Tests — New Installations
635-300-508	1	Corrosion Testing — Underground Cable and Associated Protection Systems
635-300-511	1	Routine Underground — Preparation
635-300-515	1	Routine Underground — Measurements and Inspections
635-300-520	1	Test Points on Buried Cable
635-300-525	1	Routine — Buried

**Division 636****Main Frame Terminations and Connectors****636-0 Indexes and General Information****-000 Indexes****-099 CIRs (Customer Information Releases)****636-2 Main Frames****-200 Marking****-205 Grounding Connections****-210 Terminating****-211 CRF (Cable Rearrangement Facility)****-250 EMP Terminations****-299 Lightguide Cross-Connect, Interconnection, and Terminating****636-3 300, 301, 302, 303, 305, 307, 308, 309, 310, and 311-Type Connectors****636-W Workcenter Information Packages (WIPs)**

Number	Issue	Subject
<b>636-0 Indexes and General Information</b>		
<b>636-000 Indexes</b>		
636-000-000	73	Numerical Index — Division 636 — Main Frame Terminations and Connections
<b>636-2 Main Frames</b>		
<b>636-200 Marking</b>		
636-200-011	2	Marking Main Frames — Pair and Cable Numbers
636-200-203	1	Marking Main Frames, 198 Type Terminal Strips
<b>636-205 Grounding Connections</b>		
<b>636-210 Terminating</b>		
636-210-205	6	Installation of Open Cable Forms
■ 636-210-213AC	A	Forms for Toll Cables

Number	Issue	Subject
636-210-213	2	Forms for Toll Cables
636-210-215	2	Terminating K Carrier Cables
636-210-216	1	Terminating Cables on Repeater Bays — J99321
636-210-217	1	Terminating Cable — N and ON Carrier — J99323 Type Line Build-Out Bays
636-210-218	2	Cross-Connect Cabinet — N and ON Carrier
636-210-219	3	136A2A-52 Protector — Description
<b>636-211 CRF (Cable Rearrangement Facility)</b>		
636-211-101	2	Description, Installation, and Splicing
<b>636-250 EMP Terminations</b>		
636-250-101	2	32A1 Cabinet — Description and Installation
<b>636-299 Lightguide Cross-Connect, Interconnection, and Terminating</b>		
636-299-101	3	Lightguide Ribbon Cable Interconnection Cabinets — Description and Terminating — Outside Plant Cables
636-299-102	1	LGX® (Lightguide Cross-Connect) Frame — Description and Installation
636-299-103	1	LGX Lightguide Distributing Shelves — Description and Installation
■ 636-299-103AC	1	Terminating and Interconnecting Facilities (10-92)
636-299-104	1	LGX Lightguide Distributing System — Description and Installation
636-299-105	2	Lightguide Stranded Cable Interconnection Cabinets — Description and Terminating — Outside Plant Cables
636-299-106	3	Lightguide Premises Distribution System — Interconnection/Cross-Connection Apparatus — Description and Installation
636-299-110	2	Lightguide Cable Sheath Preparation, Grounding, Blocking, and Fiber Preparation — Description and Installation

Number	Issue	Subject	Number	Issue	Subject
● 636-299-111	1	AT&T-NSD OSP Lightguide Cable Bonding and Grounding — Electrical Protection	636-330-111	3	311-Type Connectors, Description, Use, Installation, and Repair Procedures
636-299-115	1	High Density fiber Interconnect System Description, Application, and Operation	<b>636-W WIPs</b>		
636-299-116	1	LGX Jumper Administration Card			
636-299-120	2	LGX Distribution System— Planning, Engineering, Installation, and Operation— System Reference Guide (1-93)			
636-299-130	1	Fiber Protection System User's Guide			
<b>636-3 300, 301, 302, 303, 305, 307, 308, 309, 310 and 311-Type Connectors</b>					
636-300-050	6	Plug-In Protector Units (3-, 4-, 5- and 7-Type)			
636-300-099	2	Cable Terminating Apparatus — Selection — Distributing and Protector Frames			
Addendum	1				
636-300-100	4	300-Type — Description, Installation, Marking, and Testing Protector Blocks			
636-310-100	3	301-Type — Description, Installation and Marking			
Addendum	1				
636-320-100	7	302-Type Connectors — Description, Installation, and Marking			
636-330-100	9	303-Type Connectors — Description, Installation, and Marking			
Addendum	1				
636-330-105	4	305-Type Connectors — Description and Installation			
636-330-107	5	307-Type Connectors — Description, Use, Installation, and Repair Procedures			
636-330-108	3	308-Type Connectors — Description, Installation, and Marking			
636-330-109	2	309-Type Connectors — Description, Installation, Testing, and Marking			
■ 636-330-110	4	310-Type Connectors — Description, Installation, and Marking			

**Division 637**

**Cable Pressure Systems**

- 637-0 Indexes and General Information**
  - 000 Indexes
  - 020 Cable Pressure Systems — General
  - 050 Pipe Systems
  - 080 Toll Cable — Pressure Transducer Systems
- 637-2 Air Flow and Pressure Monitors**
  - 200 Terminals, Gas Pressure
  - 210/222 Pressure Monitoring Devices
  - 225 Air Flow Monitors
  - 235 Values, Flanges, and Ells
  - 241 Pressure Plugs
  - 243 Pressure Plugs, Profabricated
- 637-3 Gas Sources, Feed Systems, and Air Dryers**
  - 300 Gas Sources
  - 301 Continuous Feed Pressure Systems
  - 302 E Air Dryer
  - 305 Buffering
- 637-4 Leak Detection and Correction**
  - 400 Correction of Pressure Measurements
  - 410/420 Leak Location Methods
  - 430 Maintaining Pressure During Construction
  - 500 Continuous Feed Pressure System — General
  - 600 Cable Pressure Monitoring System
- 637-5 Continuous Feed Pressure System**
  - 500 Computer and Terminals
- 637-6 CPMS (Cable Pressure Monitoring System)**
  - 600 CPMS Description, Operation and Maintenance

Number	Issue	Subject
<b>637-000 Indexes</b>		
637-000-000	90	Numerical Index — Division 637 — Cable Pressure Systems

Number	Issue	Subject
<b>637-020 Cable Pressure Systems — General</b>		
637-020-011	3	Cable Pressurization Responsibilities and Standards
637-020-020	5	Pneumatic Resistance of Cables
637-020-200	2	Reinforcing Lead Sleeves
637-025-010	1	Precautions
637-026-101	2	Controlled Flow Pressurization System — Description— Lightguide Cable
<b>637-050 Pipe Systems</b>		
637-050-100	4	General
637-050-200	4	Installation
637-050-300	3	Upkeep
<b>637-080 Toll Cable — Pressure Transducer Systems</b>		
637-080-100	4	Description and Operation
637-080-105	2	B Transducer Controller (AT-8526) — Description and Operation
637-080-200	3	D Pressure Transducer (AT-8405) and B Dummy Transducer (AT-8527) — Description and Installation
<b>637-200 Terminals, Gas Pressure</b>		
637-200-100	4	37-Type Cable Terminals — Description, Mounting and Wiring Diagrams
<b>637-210/222 Pressure Monitoring Devices</b>		
637-210-100	6	Superseded Contactors and Contactor- Terminals — Description
637-210-300	2	Contactors and Contactor-Terminals — Replacement of Contactor Mechanism
637-211-100	3	P Pressure Contactor — Description and Installation
637-213-100	1	N Pressure Contactor — Description and Installation
637-213-110	2	R Pressure Contactor — Description and Use
637-213-112	1	W Pressure Contactor — (AT-9017) — Description and Use

Number	Issue	Subject	Number	Issue	Subject
637-214-100	4	L and M Pressure Contactors Description and Installation	637-300-110	1	Maintaining Pressure Under Catastrophic Conditions
637-220-100	2	C Pressure Transducer (AT-8311) — Description, Use, and Installation	637-301-101	1	Continuous Feed Pressure Systems — B and C Air Dryers — Description and Installation
637-222-101	2	F Underground Pressure Transducer System — Use, Description, and Installation	637-301-102	1	Continuous Feed Pressure Systems — D Air Dryer — Description and Installation
637-222-103	2	G Pressure Transducer — Description and Installation	Addendum	1	
<b>637-225 Air Flow Monitors</b>			637-301-300	1	Continuous Feed Pressure Systems — B and C Air Dryers — Maintenance and Replacement Parts
637-225-050	1	Superseded Meter-Panels	637-301-301	2	Continuous Feed Pressure Systems — D Air Dryer — Maintenance and Replacement Parts
637-225-105	4	Gas Meters and Air Rate Indicators — Description	637-302-701	1	E Air Dryer — AT-8670 — Description and Installation
637-225-201	2	C and D Meter-Panels — Description, Use, and Installation	637-302-801	1	E Air Dryer — AT-8670 — Maintenance and Replacement Parts
637-225-205	2	Superseded KS-16648 Dual Pressure Kit — Description and Use	<b>637-305 Buffering</b>		
637-225-215	1	Cable Pressure Monitoring System (CPMS) — B Airflow Transducer (AT-8720)	637-305-303	4	Buffering
<b>637-235 Valves, Flanges and Ells</b>			<b>637-400 Correction of Pressure Measurements</b>		
637-235-100	3	Valves, Tubings, and Fittings — Description, Installation, and Arrangements	637-400-504	1	Correction of Pressure Measurements
637-235-201	6	Flanges and Screw Plugs for Lead or Plastic-Sheathed Cable — Description and Installation	<b>637-410/420 Leak Location Methods</b>		
<b>637-241 Pressure Plugs</b>			637-410-011	2	General
637-241-011	10	Closure-Injection Method	Addendum	1	
<b>637-243 Pressure Plugs, Prefabricated</b>			637-410-504	1	Gradient Method of Approximate Leak Location
637-243-200	3	Installing 3A Pressure Plug	637-416-501	2	Cable Leak Locating — Helium Method
<b>637-300/303 Gas Sources</b>			637-416-502	1	Model 56 Leakgun (ION Track Instruments, Incorporated) — Description and Use
637-300-100	5	Nitrogen Gas Cylinders — Description	<b>637-450 Maintaining Pressure During Construction</b>		
637-300-101	2	Sulfur Hexafluoride Gas (SF <sub>6</sub> ) — Description and Use	637-450-011	2	Construction Tests — Procedures During Placing and Splicing and Acceptance Procedures
637-300-102	1	Liquid Nitrogen Cylinders — Description and Use			

Number	Issue	Subject
<b>637-500 Continuous Feed Pressure System — General</b>		
Addendum	1	
637-500-014	1	Cable Pressurization Computer
637-500-015	1	Contactors and Contactors Terminals — Description
637-500-502	2	Fault Locating
<b>637-600 Cable Pressure Monitoring System (CPMS)</b>		
637-600-011	2	Expanded — General
Addendum	1	
637-600-051	2	Expanded — Description and Operation
637-600-075	1	Administrative Guidelines
637-600-101	2	Expanded (CPMS) — Central Computer Operations
637-600-150	3	Central Terminal Records
637-600-200	1	Transducer Assignment Procedures
637-600-251	2	Expanded — Developing and Maintaining Data Base
637-600-301	2	Expanded — Reports and Bulletins — Description and Utilization
637-600-351	1	Expanded — Management Reports — Description and Utilization
637-600-401	2	Expanded — System Maintenance
637-600-451	2	Expanded — Data Acquisition Procedures From Maintenance Centers
637-600-501	3	Expanded — Central Terminal Installation

**Division 638**

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**Electrical Protection and Bonding**

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**638-0 Indexes and General Information**

**638-6 Protection System**

**638-W WIPs (Workcenter Information Packages)**

Number	Issue	Subject
<b>638-0 Indexes and General Information</b>		
<b>638-000 Indexes</b>		
638-000-000	25	Numerical Index — Division 638 — Electrical Protection and Bonding
<b>638-6 Protection System</b>		
638-600-100	1	Power Station Communications — Description and Placing
638-600-101	1	Power Station Communications — Installation
638-600-102	1	For Power Station Communications — High Potential and Resistance — Unbalance Testing
638-600-103	1	For Power Station Communications — Assignment Charts and Circuit Establishment
638-600-104	1	Integrated Protection System for Power Station Communications — Installation Inspections, Tests, and Maintenance
<b>638-W WIPs</b>		
<b>638-WIP Workcenter Information Packages</b>		
638-WIP-001	1	Blocking, Grounding, and Buffering OSP Cable Fibers for Direct Termination (slide/audio)



## Division 639

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### Outside Plant Concentrators

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#### 639-0 Indexes and General Information

#### 639-2 Gfeller\* Line Concentrator

#### 639-3 Line Concentrator No. 1A

#### 639-4 Message and Signal Repeater

Number	Issue	Subject
<b>639-0 Indexes and General Information</b>		
<b>639-000 Indexes</b>		
639-000-000	8	Numerical Index — Division 639 — Concentrators — Outside Plant
<b>639-060 Terminating</b>		
639-060-201	2	Terminating Concentrator Stub Cable in Cross-Connecting Ter- minals
<b>639-2 Gfeller Line Concentrator</b>		
639-200-200	2	Installation of Outdoor Unit
<b>639-3 Line Concentrator No. 1A</b>		
639-300-200	3	Installation of Outdoor Unit
639-300-240	1	Removal of Remote Part
<b>639-4 Message and Signal Repeater</b>		
639-400-200	1	J98619A — For Long Sub- scribers Loops — (Pole Mount- ed)
639-400-205	1	474A Apparatus Case — Description and Installation

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\* Gfeller is a registered trademark of Gfeller AG

**Division 640****Outside Plant Carrier Apparatus****640-0 Index and General Information****-000 Index****640-2 Carrier Pair Gain Systems****-205 Carrier Apparatus, Type P****-210 Multichannel Subscriber Carrier****-250 Subscriber Loop Multiplexer****-251 Digital Data System****-252 Lightguide Cable Systems****640-3 Types N, O, and ON Carrier Systems****-300 Carrier Apparatus, Types N and ON****-305 Carrier Apparatus, Type O****640-4 Type L Carrier Systems****-400 Carrier Apparatus, Type L****-440 Carrier Apparatus, Type L4****640-5 Type T Carrier Systems****-525 T1 Systems****-527 T1C Systems****-530 T2 Systems****-540 T4 Systems****640-6 Broadband Systems****-630 Broadband Apparatus****-640 Picturephone Equalizers****640-W WIPS (Workcenter Information Packages)**

Number	Issue	Subject
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**640-0 Index and General Information****640-000 Index**

640-000-000	53	Numerical Index — Division 640 — Outside Plant — Carrier Apparatus (5-95)
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Number	Issue	Subject
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**640-005/010 General Information**

640-005-101	1	Identification of Broadband — Terminating Facilities
640-005-102	1	Superseded Broadband Terminating Facilities
640-005-104	2	Plug-In Equipment — T1, T1C, T1D, T1G, and T1/OS Carrier Systems
Addendum	1	
640-010-005	3	Splicing T Carrier Cables — General
640-010-009	1	2D2-10 End Plates — Description and Installation — 2-Type Closure
640-010-010	4	End Plate Grommets — For Carrier Application
640-010-030	2	FIND-R-SCOPE* (Infrared Viewer) — Description, Use, and Maintenance

**640-020 Carrier Apparatus**

640-020-200	2	Open Wire, Carrier Apparatus on Terminal Poles
640-020-206	1	Placing — 460- and 470-Type Apparatus Cases — Aerial and Underground
640-020-300	3	Refinishing Outdoor Carrier Cabinets

**640-2 Carrier Pair Gain Systems****640-205 Carrier Apparatus, Type P**

640-205-200	3	Pole Mounted Apparatus Cases and Battery Cabinets, Installation
640-205-201	3	Pole Mounted Apparatus Cases and Battery Cabinets Telephone and Power Wiring
640-205-202	2	Installation and Wiring of Networks

**640-210 Multichannel Subscriber Carrier**

640-210-201	1	Multichannel Subscriber Carrier — KS- 20988 — Description and Installation
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\* FIND-R-SCOPE is a registered trademark of FJW Industries

Number	Issue	Subject	Number	Issue	Subject
<b>640-250 Subscriber Loop Multiplexer</b>			640-250-230	1	AT&T WP-92572 Walk-In Cabinet — Description and Installation (12-92)
640-250-201	1	Remote Terminal (J1C046D and J1C046E) — Placing and Wiring	640-250-235	1	Below Ground Electronics Remote Terminal (BERT) — Splicing, Operation, and Maintenance
640-250-203	1	Remote Repeater Power Feed Terminal (J87397A and J87397B) Placing and Wiring	640-250-237	4	51A Remote Terminal Cabinet (ED-7C601-30) Placement — SLC Series 5 Carrier System (9-93)
640-250-204	1	468-Type Apparatus Cases — Description, Splicing, and Maintenance	640-250-238	2	51A Cabinet (Groups 3 and 4) — Splicing and Equipment Installation — SLC Series 5 Carrier System (7-93)
640-250-206	3	478-Type Apparatus Case — Description, Installation, and Maintenance	640-250-239	3	51A Cabinet With DDM-2000 and DDM-PLUS— Splicing and Equipment Installation (8-93)
<b>SLC® 8 Carrier System</b>			640-250-240	2	60A Remote Terminal Cabinet — Placement — SLC 24 Carrier System
640-250-212	2	Remote Terminals and Repeaters — Installation	640-250-246	1	EEE, CEV, and Mini-Hut Expanding Outcounts Using (SLC) Series 5 Carrier System
640-250-213	1	231A Remote Power Feed Terminal — Description and Installation	640-250-247	2	SLC Series 5 Dual Channel Banks (Metallic) — Field Installation Into 80-Type Cabinets — Precabled for SLC Series 5 Carrier System
<b>SLC® 40 Carrier System</b>			640-250-248	1	Precabled Structures Using Bulk Protection — Remote Terminal Splicing (Metallic) — SLC Series 5 Carrier System
640-250-215	4	33B and 33C Remote Terminal Cabinets — Placement	640-250-250	2	Precabled Structures Using Bulk Power and Protection — Splicing and Cabling Arrangements (Metallic and Fiber)
640-250-216	4	Digital Line Construction	640-250-251	1	24-foot Platform (ED-7C632-30) Arranged for SLC Series Carrier System — (Distributed Power and Metallic Feeder) Distribution and Operation
<b>SLC 96 Carrier System and Series 5</b>			640-250-252	2	80D Cabinet (Fiber) — Description, Installation, and Splicing — SLC Series 5 Carrier System
640-250-217	1	Mini-Hut-Installation of Frames, Hardware, and Connectors	640-250-253	1	AT-9049 Type Protector and Cable Enclosure — Description and Installation
640-250-218	2	Precabled Structures Using Non-bulk Protection — Remote Terminal Splicing	640-250-254	1	80E Cabinet (Fiber) — Group 88 — Description, Installation, and Splicing SLC® Series 5 Carrier System and SXSS Repeater Shelf
Addendum	1				
640-250-219	2	AT-8908M Remote Terminal Cabinet — Placement and Splicing			
640-250-220	3	36A, 36B, or 36C Remote Terminal Cabinet — Placement			
640-250-221	2	Remote Power Feed Terminal (RPFT) — Installation and Wiring of Shelves			
640-250-222	2	B Equipment Platform (Metallic and Fiber Systems) — Description			
640-250-223	3	80-Type Cabinet Remote Terminal — Installation and Splicing (Metallic Systems)			
640-250-224	2	Remote Terminal Splicing — Precabled Structures Using Bulk Protection			

Number	Issue	Subject	Number	Issue	Subject
640-250-255	4	80D Cabinet (Fiber) — Groups 91, 92, and 93 — Installation, and Splicing — SLC Series 5 Carrier System and SXSS Repeater Shelf	640-250-272	3	90A and 90B Cabinet — Business Remote Terminal (BRT) — UL* Listed Remote Terminal — Installation and Safety Notes (8-92)
640-250-256	2	80E Cabinet (Fiber) — Group 70, 71, 90, and 91 — Description, Installation, and Splicing — SLC Series 5	640-250-273	2	80A (Bulk Power) Cabinet (Fiber: Group 490) Splicing and Equipment Installation (Combined SLC Series 5 and SLC-2000) (10-92)
640-250-257	4	80E-BP Bulk Power Cabinet (Fiber: Group 90) — Splicing and Equipment Installation (5-93)	640-250-275	1	35A Cabinet — Description and Installation
640-250-258	3	80E-BP (Bulk Power) Cabinet (Group 14)— Splicing and Equipment Installation	640-250-276	2	80A (Bulk Power) Cabinet (Groups 13, 14, and 89) — Splicing and Equipment Installation (5-93)
640-250-260	1	80D Cabinet RT — Description, Installation, and Splicing	Appendix 1	1	80A (Bulk Power) Cabinet (Groups 13, 14, and 89) — Splicing and Equipment Installation
640-250-261	1	80E Cabinet (Fiber) (Groups 58, 59, 73, 74, 75, and 76) — Description, Installation, and Splicing — SLC Series 5 Carrier System — SXSS Repeater Shelf, and 800 Series DSX	640-250-277	4	80A (Bulk Power) Cabinet (Groups 90 and 91) — Splicing and Equipment Installation (4-95)
640-250-262	2	80E-BP (Bulk Power) Cabinet (Group 13)— Splicing and Equipment Installation	640-250-279	3	80D-BP (Bulk Power) Cabinet (Fiber: Group 90) — Splicing and Equipment Installation (7-93)
640-250-263	3	80E-BP (Bulk Power) Cabinet (Fiber: Group 89)— Splicing and Equipment Installation (5-93)	640-250-280	1	Precabled 24-Foot CEV Using Bulk Power and Protection Splicing and Cabling Including FTTH (Fiber to the Home Feature) SLC Carrier Systems
640-250-264	1	80D Cabinet (Fiber) — Groups 29, 47, and 48 — Description, Installation, and Splicing — SLC Series 5 Carrier System and DS1 Extension Shelf	640-250-281	1	90A Cabinet Business Remote Terminal (BRT) Equipped with DDM-2000 OC-3 — Description, Installation, and Splicing (11-93)
640-250-265	2	80D-BP (Bulk Power) Cabinet (Fiber: Group 190) — DDM-2000 OC-3, DDM-2000 OC-12, and DDM-PLUS — Splicing and Equipment Installation (7-93)	640-250-282	1	90A Cabinet Business Remote Terminal (BRT) — Description, Installation, and Splicing (7-92)
640-250-270	1	90A Cabinet — Business Remote Terminal (BRT) — Description, Installation, and Splicing — SLC Series 5 Carrier System	640-250-283	1	90A Cabinet Business Remote Terminal (BRT) Equipped with Optimux/Combimux — Description, Installation, and Splicing — SLC 240 Network Access System (11-93)
640-250-271	1	90A Cabinet — Business Remote Terminal (BRT) Equipped with DDM-2000 OC-3 — Description, Installation, and Splicing — SLC Series 5 Carrier System (7-93)	640-250-286	3	80D-BP (Bulk Power) Cabinet (Metallic: Group 14) — Splicing and Equipment Installation (7-93)
			640-250-287	3	80D-BP (Bulk Power) Cabinet (Metallic: Group 13) — Splicing and Equipment Installation (7-93)

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Number	Issue	Subject	Number	Issue	Subject
640-250-288	1	81C (Bulk Power) Cabinet (Group 1) — Splicing and Equipment Installation (7-94)	<b>640-251 Digital Data System</b>		
640-250-289	1	80G-HX (Heat Exchanger) Fiber Group 90 Cabinet LSC-2000 Splicing and Equipment Installation (5-95)	640-251-106	1	468F-Type Apparatus Case — Description and Installation
640-250-290	2	80D-BP (Bulk Power) Cabinet (Fiber: Group 490) — Splicing and Equipment Installation — Combined SLC Series 5 and SLC-2000 (7-93)	640-251-107	2	468F Type Apparatus Case — Splicing, Maintenance, and Testing
640-250-291	1	80A-HX (Bulk Power With Heat Exchanger) Cabinet Fiber. Group 90(LSC-2000) — Splicing and Equipment Installation (7-93)	<b>640-252 Lightguide Cable Systems</b>		
640-250-293	2	80A (Bulk Power) Cabinet (Group 190) Splicing and Equipment Installation (4-95)	640-252-039	1	Fiber Optics Buildout Description and Installation
640-250-294	2	Splicing and Encapsulation Field-Encapsulated 40-Type Cabinet (2-92)	640-252-040	1	1031A Tool Kit and 1006A Lightguide Connector — Description and Installation
640-250-295	3	80D-BP (Bulk Power) Cabinet (Fiber. Group 89) — Splicing and Equipment Installation (7-93)	640-252-041	1	ST® Multimode Lightguide Connectors — Description and Installation
640-250-296	3	J1C182BD-1 20-Amp Bulk Power Shelf Turn Up Procedure (7-94)	640-252-042	2	F-61834 Optical Talkset (OTS) — Description and Operation
640-250-297	1	40 EP4/EP5-Type Cabinets — Splicing (3-92)	640-252-044	2	Assembly Instruction for ST® II Lightguide Cable Connectors Single-Mode and Multimode
640-250-298	2	80E-BK (Bulk Power) Cabinet (Fiber: Group 190)— Splicing and Equipment Installation	640-252-046	3	Assembly Instruction for the AT&T CSL LightSplice™ System
640-250-299	1	80D-HX (Bulk Power With Exchange) Cabinet— Fiber: Group 90 (SLC-2000) — Splicing and Equipment Installation (4-93)	640-252-095	1	General Sequence of Outside Plant Design, Construction, and Testing
640-250-325	4	80D Cabinet Remote Terminal — Description, Installation, and Splicing	640-252-097	3	Completion Test Procedures — Lightguide Media Transmission
640-250-326	1	80D Cabinet Remote Terminal — Description, Installation, and Splicing	640-252-098	1	Completion Test Procedures — Single Mode Lightguide Media Transmission with Smolts
640-250-327	2	80E Cabinet Remote Terminal Description, Installation, and Splicing SLC Series 5 Carrier Systems (Metallic)	640-252-099	1	Completion Test Procedures — Single Mode Lightguide Media Transmission with Source and Power Meter
			640-252-101	2	Splicing and Splice Testing — LGA1
			640-252-102	1	Repeater Station Terminations
			640-252-106	1	191A Optical Time Domain Reflectometer (OTDR) — Description and Use
			640-252-107	1	190A Optical Loss Test Set (OLTS) — Description, Use, and Maintenance
			640-252-108	2	2A Fanout — Description and Use — Lightguide
			640-252-111	1	51D3-LG Cable Closure — Description and Installation

Number	Issue	Subject	Number	Issue	Subject
640-252-115	1	KS-22732, L1 Optical Time Domain Reflectometer (OTDR) — Description and Operation	640-252-220	2	80-Type Cabinet — Description, Installation, and Splicing — Fiber
640-252-116	1	KS-22820, L1 Multimode Optical Loss Test Set — Description and Operation	640-252-310	1	Concrete Hut (ED-7C285-30) — Splicing (Metallic and Fiber) — Combined SLC 96 and SLC Series 5 Carrier Systems
640-252-117	1	KS-22839 and KS-22840 Bandwidth Test Sets — Description and Operation	640-252-311	1	C Equipment Platform (ED-97973-31) — Splicing (Metallic and Fiber) — Combined SLC 96 and SLC Series 5 Carrier Systems
640-252-118	1	KS-22732, L1A OTDR (Optical Time Domain Reflectometer) — Description and Operation	640-252-312	2	80-Type Cabinet — Description, Installation, and Splicing — Combined SLC 96 and SLC Series 5 Carrier Systems
640-252-119	1	KS-23171, L1/L2 Multimode Optical Loss Test Set (Molts) — Description and Use	640-252-313	2	Instruction Manual — 80C Remote Terminal Cabinet — Group 10 to Group 60 Conversion
■ 640-252-120AC	1	AT&T-NSD OSP Fiber Signature (10-92)			
■ 640-252-121AC	1	Outside Plant — Splicing and Testing Overview (10-92)			
■ 640-252-122AC	1	Outside Plant Loss Measurements for WDM Turn-up (1310 nms and 1550 nms)			
640-252-125	1	LGA 2 Lightguide Cable Splicing and Splice Testing			
■ 640-252-130AC	1	AT&T Network Service Division (NSD) Approved Fiber Restoration Splice			
■ 640-252-131AC	1	Miller Fiber Optics Stripping Kit (3-93)			
640-252-150	2	KS-22970, L1 Fusion Splicer and 1038A Fusion Splicing Accessory Tool Kit — Description and Operation			
640-252-151	2	Multimode Lightguide Cable — Mechanical Splicing			
640-252-174	2	Assembly Instruction for Rotary Mechanical Splice (RMS) — Single-Mode and Multimode			
640-252-175	1	Single Mode Lightguide Cable — Bonded Splicing			
640-252-176	3	Lightguide Cable — Single-Mode and Multimode RMS (Rotary Mechanics Splice)			
640-252-177	3	Rapid Ribbon Splicing — Lightguide Ribbon Cable			
640-252-180	1	F-61933 SMOTDR (Single-Mode Optical Time Domain Reflectometer) — Description and Operation			
640-252-181	2	KS-23031, L1 SMOLTS (Single Mode Optical Loss Test Set) — Description and Operation			
			<b>640-3 Types N, O, and ON Carrier Systems</b>		
			<b>640-300 Carrier Apparatus, Types N and ON</b>		
			640-300-100	1	1B-Type Cable Terminal Blocks
			640-300-106	1	469A and 469B Apparatus Cases — Description
			Addendum	1	
			640-300-200	3	Description and Placing of Outdoor Repeater Cabinets
			640-300-201	1	Installation of Moisture Seal
			640-300-202	1	Outdoor Carrier Cabinets, Installation of Snow Shield
			640-300-204	2	N and ON Repeater Cabinets (J98703BT) — Description and Splicing of Stub Cables
			Addendum	1	
			640-300-205	2	N2-Repeater Cabinets (J99321) — Description and Splicing of Stub Cables
			Addendum	1	
			640-300-210	1	240-Type Amplifier — 469A and 469B Apparatus Cases — Splicing and Maintenance
			<b>640-305 Carrier Apparatus, Type O</b>		
			640-305-201	1	Pole Mounted Equipment Cabinets Telephone and Power Wiring
			640-305-205	3	538-Type Filters

Number	Issue	Subject	Number	Issue	Subject
<b>640-4 Type L Carrier Systems</b>					
<b>640-400 Carrier Apparatus, Type L</b>					
640-400-095	1	L4/L5 Carrier — General Description	640-525-304	1	T1 and T1/OS Carrier — 468C6 Apparatus Case — Description, Installation, Splicing, and Maintenance
640-400-100	2	154B-Type Regulators — Description and Installation	640-525-307	5	818-/819-Type Repeater Cases — Description, Installation, Splicing, and Maintenance — T1, T1C, T1D, T1G, and T1/OS Carrier Systems
640-400-190	1	L5/T4M Outside Plant — Layout and Interconnection	640-525-308	3	809-Type Repeater Cases — Description, Installation, Splicing, and Maintenance
<b>640-440 Carrier Apparatus, Type L4</b>			640-525-309	4	841B and 841C Repeater Cases — Description, Installation, Splicing, and Equipping
640-440-204	2	470B2 Apparatus Case — Description and Maintenance	640-525-310	2	41-Type Lightguide Interconnect Cabinet Description, Installation, Cable Routing, and Equipping
640-440-205	2	471-Type Apparatus Cases — Description and Maintenance	640-525-311	1	841B-MSDT and 841C-MSDT Cabinets Description and Installation (1-95)
640-440-206	2	472-Type Apparatus Cases — Description and Maintenance	640-525-312	2	841A Repeater Case Description, Installation, Splicing, and Equipping (10-93)
<b>640-5 Type T Carrier Systems</b>			640-525-315	6	T1, T1C, T1D, T1G, and T1/OS Apparatus Cases and Associated Plug-In Equipment
<b>640-525 T1 Systems</b>			<b>640-527 T1C Systems</b>		
Addendum	1		640-527-107	3	479-Type Apparatus Case — Description, Installation, Splicing, and Maintenance
640-525-107	1	475-Type Apparatus Case — Description and Installation	640-527-211	3	479-Type Apparatus Case — Splicing and Maintenance
Addendum	1		640-527-220	3	J98725AA Test Set — T1, T1/OS (T1 Out- State), T1C, T1D, T1G — SLC 40 and SLC 96 Carrier Systems — Pair Loss Measurements
640-525-108	1	475F2, 475G2, and 475G2F Apparatus Cases — Description and Installation	640-527-225	1	J98725AB Test Set — T1C, T1, T1/OS Bipolar — Violation Detector — Use
Addendum	1		<b>640-530 T2 Systems</b>		
640-525-210	1	466- and 468-Type Apparatus Cases — Splicing and Maintenance	640-530-106	4	473-Type Apparatus Cases — Description and Maintenance
Addendum	1		640-530-107	2	477C1 Apparatus Case — Description and Maintenance
640-525-211	5	475-Type Apparatus Case — Splicing and Maintenance			
640-525-212	4	475G2, 475J, and 475K Apparatus Cases — Description, Installation, Splicing and Maintenance			
Addendum	1				
640-525-220	2	Pair Loss Measurements Using 113A and/or 113B Tests Sets — Digital Transmission Systems			
640-525-225	3	T1 Line Error — Detector — Use			
640-525-226	2	KS-22423 T1D Test Set — (Manhole Violation Detector) — Description, Use, and Maintenance — T1D System			

Number	Issue	Subject	Number	Issue	Subject
640-530-210	3	473A4, 473B4, and 477C1 Apparatus Cases — Splicing	Ⓞ640-WIP-003	1	MOLTS (Multimode Optical Loss Test Set) — Operation (slide/audio)
640-530-215	3	Plug-In Equipment — Installation and Replacement — T2 System	Ⓞ640-WIP-004	1	Fusion Splicer KS-22907-L1 — Operation (slide/audio)
640-530-220	1	Pair Measurements in Repeater Sections	Ⓞ640-WIP-005	1	Multimode Bandwidth Test Sets — Operation (slide/audio)
640-530-230	3	Manhole Layout — Equipping T2 Carrier System	Ⓞ640-WIP-006	1	SMOLTS (Single-Mode Optical Loss Test Set) — Operation (slide/audio)
<b>640-540 T4 Systems</b>			Ⓞ640-WIP-007	1	F-61838 — Optical Talkset (slide/audio)
640-540-101	1	T4M Digital Line — General Sequence of Outside Plant Construction and Testing	Ⓞ640-WIP-008	1	KS-22732-L1A OTDR (Optical Time Domain Reflectometer) (slide/audio)
640-540-106	1	471M1 Apparatus Case — Description and Maintenance	Ⓞ640-WIP-009	1	Anritsu* MW 98A Single-Mode OTDR (slide/audio)
640-540-107	1	472H1 Apparatus Case — Description and Maintenance	Ⓞ640-WIP-010	1	ST® Connector — Installation (full action video)
640-540-150	1	T4M Digital Line — Plug-In Equipment at Repeated Stations — Installation and Replacement	ⓄⓄ640-WIP-011	3	CSL LIGHTSPLICE™ System — Installation (full action video) (4-92)
640-540-230	2	T4M Digital Line — Manhole Layout and Equipping	Ⓞ640-WIP-012	1	Rotary Mechanical Splice (full action video)
640-540-401	2	T4M Coaxial Cable — Tests and Requirements	Ⓞ640-WIP-013	1	1005B Connector (slide/audio)
<b>640-6 Broadband Systems</b>			Ⓞ640-WIP-014	1	1006- and 2016-Type Biconic Connector — Installation (full action video)
<b>640-630/635 Broadband Apparatus</b>			Ⓞ640-WIP-015	1	R/L Sheath Lightguide Cable Preparation (full action video)
Addendum	1		Ⓞ640-WIP-016	1	LXE Sheath Lightguide Cable Preparation (full action video) 640-WIP-017
640-630-106	1	KS-20159 and KS-16831 Amplifiers — 467A, 467B, 467C, and 467D Apparatus Cases — Description	Ⓞ640-WIP-017	1	Crossply Sheath Lightguide Cable Preparation (full action video)
640-635-106	1	Wideband Loop Repeaters — 470A Type Apparatus Case — Description and Splicing	Ⓞ640-WIP-018	1	General Trade Lightguide Cable Preparation (full action video)
<b>640-640 Picturephone Equalizers</b>			Ⓞ640-WIP-019	1	Non-Metallic Sheath Lightguide Cable Preparation (full action video)
640-640-100	1	Apparatus Case — Description	Ⓞ640-WIP-025	1	4000 Series Polishing Machine Operation (1/2-inch VHS) (4-92)
640-640-106	1	471J-Type Apparatus Case — Description and Splicing	Ⓞ640-WIP-030	1	AT&T C12 LIGHTSPLICE INSTRUCTIONS (1/2-inch VHS) (4-92)
640-640-200	1	Apparatus Case — Splicing and Maintenance	Ⓞ640-WIP-031	1	SC Fiber Optic Connector— Installation (full action video)(5-93)
<b>640-WIP Workcenter Information Packages</b>					
Ⓞ640-WIP-001	1	841B and 841C Repeater Cases — Installation (slide/audio)			

\* Anritsu is a registered trademark of Anritsu Kabushiki Kaisha



**Division 643****Coil and Capacitor Cases and Apparatus Cases for Inductors and Filters****643-0 Indexes and General Information****643-2 Coil Cases****643-3 Apparatus Cases****643-4 Build-Out Cases****643-6 Installation****643-7 Splicing**

Number	Issue	Subject
<b>643-0 Indexes and General Information</b>		
<b>643-000 Indexes</b>		
643-000-000	39	Numerical Index — Division 643 — Coil and Capacitor Cases and Apparatus Cases for Inductors and Filters
<b>643-020 General</b>		
643-020-011	6	Electrical Characteristics of Standard Load Coils
643-020-021	3	Characteristics of Superseded Load Coils and Load Coil Cases
<b>643-2 Coil Cases</b>		
<b>643-200 Exchange Coil Cases</b>		
643-200-101	6	Standard Exchange
643-200-140	3	Superseded Exchange — Coil Cases
<b>643-250 Program Coil Cases</b>		
643-250-101	3	Standard Program Load
643-250-140	3	Superseded Program — Load Coil Cases

Number	Issue	Subject
<b>643-260 Toll Coil Cases</b>		
643-260-101	3	Containing MF and MFA Units
<b>643-270 Carrier Coil Cases</b>		
643-270-101	3	Load Coil Cases for B, C, and J Carrier Systems
<b>643-3 Apparatus Cases</b>		
643-300-101	2	Current Apparatus Case and Closure Data
643-300-105	2	416-Type — For 1574-Type Inductors — Description
643-300-140	2	Superseded Apparatus Case Data
<b>643-4 Build-Out Cases</b>		
643-400-105	1	List 720 and List 730 (AT-8740) — Description
<b>643-6 Installation</b>		
<b>643-600 Installation — Aerial</b>		
643-600-201	5	Load Coil and Build-Out Cases
<b>643-640 Installation — In Splices</b>		
643-640-201	1	Splice-Type Coil Cases
643-640-202	2	710-Type Coil Case — In-Splice Loading
643-640-211	1	B and C Capacitor Cases — Mounting and Installation
<b>643-650 Installation in Cable Vaults</b>		
643-650-201	1	416-Type Apparatus Cases
<b>643-7 Splicing</b>		
643-700-201	4	Splicing 700-Type Load Coil Cases to Exchange Cable
643-700-205	3	1574-Type Inductors
643-700-210	1	List 720 and List 730 Build-Out Cases and B and C Capacitors

**Division 644**

**Upkeep**

**644-0 Index and General Information**

**644-1 Locating**

**644-2 Cable and Associated Items**

**644-3 Structures**

**644-W WIPs (Workcenter Information Packages)**

Number	Issue	Subject
644-200-040	1	Toll Cable Restoration — General
644-200-041	1	Coaxial Cable — Restoration Hardware — Description
644-200-042	1	Coaxial Cable Restoration Procedures
644-200-043	1	Repairing 0.375-Inch Coaxials
644-200-044	1	T4M Outside Plant — Fault Locating and Cable Restoration Procedures
▲644-200-060	1	170A Test Set
644-200-072	1	N-Type Cable Terminals — 10N Cover — Replacing Plastic Housing
644-200-079	1	Repair and Replacement of 88-Type Connecting Block With 108-Type Connecting Blocks
Addendum	1	
644-200-101	1	Cable Splicing — General — Drying Wet Cable — Sections and Splices
644-201-101	1	Maintenance System for Air Core Polyethylene-Insulated Conductor (PIC) Cable in Underground Plant
644-201-105	1	1A Sensor — Description and Installation
644-202-075	1	G Bypass Valve — Description and Installation
644-202-101	2	Lightguide Cable — Repair
644-202-102	2	Field Fabrication of an Array Using the 1023B Tool Kit
644-202-202	1	Lightguide Cable — Restoration
■ 644-202-203	2	Optimal Restoration Handbook for Lightguide Cable
644-203-101	1	Aerial Plant Rehabilitation — Rebuilding Terminals and Closures
644-203-102	1	Rehabilitating Aerial Plant
644-203-151	1	40- and 42-Type Cabinets — Reconfiguration
644-203-152	1	40-Type Cabinets Rehabilitation (12-94)
<b>644-3 Structures</b>		
Addendum	1	
644-300-010	1	Gas Detection and Alarm System — Description, Installation, and Operation

Number	Issue	Subject
644-000-000	40	Numerical Index — Division 644 — Upkeep (5-95)

**644-0 Index and General Information**

**644-1 Locating**

644-104-090	1	Fault Locating — Outside Plant
644-104-100	1	Toning in a Noisy Environment
644-104-101	1	Buried PIC Cable — Prerehabilitation Testing
644-104-102	1	Buried PIC Cable — Fault Locating

**644-2 Cable and Associated Items**

644-200-005	3	E Sheath Repair Sleeving (AT-8743) — Description and Installation
644-200-010	1	Cable Vents — Description and Installation
644-200-030	3	Restoring Wet PIC Cable Using Air Drying
644-200-031	2	Sheath Defects and Minor Core Damage— Repairing—Lead and Plastic Sheathed Cable
Addendum	2	
644-200-032	3	Reconstruction of Buried Distribution Plant
644-200-033	2	C Reclamation Compound Reclaiming Wet Buried PIC Cable
644-200-035	1	M-, 33-, 35-, 36-, 37-, and 231-Type Cabinets — Repair and Replacement Parts

Number	Issue	Subject
644-300-020	1	Steam Early Warning System — Description, Installation, and Operation

**644-W WIPs (Workcenter Information Packages)****644-WIP Workcenter Information Packages**

644-WIP-001	1	Damaged PIC Insulation — Recognition and Treatment (slide/audio)
644-WIP-002	1	Replacing N-Type Terminal Housing (slide/audio)
644-WIP-003	1	Rapid Ribbon Splice (full action video)
644-WIP-004	1	2200 Series Closure — Reentry (slide/audio)
644-WIP-006	1	40-Type Cabinet — Replace- ment Procedures (slide/audio)
644-WIP-007	1	Retrofitting the 100A Lightguide Interconnection Unit (slide/audio)
644-WIP-008	1	101A4 Closure — Installation (full action video)
644-WIP-009	1	Retrofitting Service Wire Clo- sures Using 400 NIU
Ⓞ644-WIP-026	1	40-Type Cabinet — Rehabilita- tion (Video) (4-95)

**Division 649**

**Outside Plant Construction Equipment**

**649-0 Indexes, Construction Equipment, and General**

- 000 Indexes
- 020 Construction Equipment — General
- 030 Construction Equipment — Motorized
- 040 Construction Equipment for Motor Vehicles — General

**649-2 Load Handlers**

- 210 Trailers, Dollys and Accessories
- 215 Power Lifting Equipment

**649-3 Power Driver Tools**

- 300 Pole Derricks
- 305 Winches
- 310 Wire Rope
- 315 Power Reels
- 320/329 Duct Rodder
- 350 Power Lifts
- 351/352 Aerial Lift Trucks
- 360 Earth — Boring Machines

**649-4 Pipe Pushers and Electrified Vehicle**

- 420 Pipe Pushing Equipment
- 480 Electrified Vehicle

**649-5 Engines, Blowers, Heaters, Generators, Pumps, Saws, Air Compressors/Tools**

- 500 Portable Engines
- 510 Blowers and Heaters
- 520 Portable Generators
- 530 Portable Pumps and Saws
- 540 Air Compressor and Tools

Number	Issue	Subject
649-000		Index
649-000-000	68	Numerical Index — Division 649 — Construction Equipment — Outside Plant (5-95)

Number	Issue	Subject
<b>649-020 Construction Equipment — General</b>		
649-020-100	2	SL Connecting Pins — Description
649-020-105	2	L Connecting Pins
649-020-111	2	Ordering Repair Parts
649-020-113	2	Hydraulic Pole Pullers and Pole Butt Pullers — Description and Operation
649-020-150	1	15 Ton Pole Jack

**649-030 Construction Equipment — Motorized**

**Cable Plows**

■ 649-030-100	1	Drop Plow — Operation and Maintenance (8-94)
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**Backhoes**

■ 649-030-200	1	Loader/Backhoe — Operation and Maintenance (8-94)
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**Street Cleaning Equipment**

■ 649-030-300	1	Sweeper — Operation and Maintenance (2-95)
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**Street Construction Equipment**

■ 649-030-400	1	Asphalt Maintainer — Operation and Maintenance (1-95)
■ 649-030-410	1	Motorized Single-Drum Roller, Operation and Maintenance (1-95)

**649-040 Construction Equipment for Motor Vehicles — General**

649-040-100	3	Electric Brake Control — Description
649-040-105	3	Hydraulic Brake Locks — Description and Operation
649-040-111	1	Truck Cab Control Lever, Identification by Color Code Operation
649-040-115	5	Insulated Water Cask — Description and Care
649-040-200	3	Wheel Chocks — Use and Maintenance

Number	Issue	Subject	Number	Issue	Subject
<b>649-2 Load Handlers</b>			649-300-021	2	Corner Mounted Rotating Derricks Equipped With Hydraulic Digger — Description and Operation — General
<b>649-210 Trailers, Dollies and Accessories</b>			649-300-101	1	Middle Type
649-210-100	2	Pole Trailers — General	649-300-105	1	T Type
649-210-101	3	Pole Trailers — Associated Equipment	649-300-107	1	LTF Pole Derrick
649-210-105	2	Towing Hooks	649-300-111	1	PM Frame
649-210-111	1	Cable Reel Trailers	649-300-115	1	Earth-Boring Machine Type
649-210-112	1	HWSC Trailer	649-300-120	1	Gas Cylinder Derrick — Description and Use
649-210-115	1	WSC Trailer	649-300-125	1	HP-40, HP-45 Pole Derricks
649-210-116	1	"TRUCO" Cable Reel Trailer — Description and Use	649-300-135	1	HP-45, FHP-35, FHP-40 Pole Derricks
649-210-120	1	R Cable Reel Brake	649-300-140	1	D Underground Cable Puller
649-210-121	1	B Cable Reel Brake	<b>649-305 Winches</b>		
649-210-122	1	AT-8413 Cable Reel Brake — Description and Operation	649-305-100	2	Winches and Power Take-Offs — Description, General
649-210-125	1	TF Cable Guide	649-305-101	2	B Sheave Guard — Description and Use
649-210-130	1	E Cable Lasher, Installation	649-305-102	2	AT-8003 and AT-8029 (CD) Winch — AT-8111 Winch Hydraulic Drive — Description and Operation
649-210-131	1	Multispindle Trailers, GARCO Model GTMR-21-3 — Description and Operation	649-305-103	2	AT-8467 (LCD) Winches — Description and Operation
649-210-132	3	Cable Removal Unit — Hogg-Davis — Description and Operation	649-305-105	1	Auxiliary Hydraulic Winch Drive
649-210-133	1	AT-8490 Cable Take-up Drive — Description and Use	649-305-111	2	Power Winches, Single-Drum — Description and Use
649-210-134	1	Handling and Transporting — Large Hand Cable Reels	649-305-115	2	Power Winches, Double-Drum
649-210-135	1	MCV Mobile Cable Salvaging Vehicle — Description and Operation	649-305-120	1	Earth Boring Machine Winches
649-210-305	1	Construction Equipment Trailers	649-305-125	2	CH Winch Rope Winders — Description and Use
<b>649-215 Power Lifting Equipment</b>			649-305-135	1	Powercat Cable Puller, Electric Winch
■ 649-215-100	1	Skid-Steer Loader — Operation and Manitenance (8-94)	<b>649-310 Wire Rope</b>		
■ 649-215-105	1	Forklift — Operation and Manitenance (3-95)	649-310-011	2	General
■ 649-215-110	1	Telescoping Boom Forklift — Operation and Manitenance (5-95)	649-310-100	3	Rolled Eyes
<b>649-3 Power Driven Tools</b>			649-310-111	1	Cable Reel Slings
<b>649-300 Pole Derricks</b>			649-310-115	2	Slings
649-300-011	1	General	<b>649-315 Power Reels</b>		
			649-315-100	2	AT-8136 L1A Power Reel — Description and Use

Number	Issue	Subject
649-315-105	2	AT-8366 Power Reel (RS) — Description and Use
649-315-108	1	B Capstan Winch—Description and Use
649-315-111	1	Wire Feeding Tube

**649-320/329 Duct Rodder**

649-320-100	1	Flexible Sewer-Rod Duct Rodder
649-321-100	2	Champion Duct Rodder (RPV and Model S66)
649-325-101	2	Fishline Kit (Pneumatic)

**649-350 Power Lifts**

649-350-100	3	H-21 Trunk Platform Ladder, Operation
649-350-101	1	6067-A Telephone Set, Intercommunicating Set for H-21 Ladder
649-350-111	2	Aerial Ladder — Hallline — Description and Operation
649-350-121	2	Aerial Ladder — Utility — Description and Operation

**649-351/352 Aerial Lift Trucks**

649-351-101	2	"Telsta" T-40B Description and Operation
649-351-121	2	Servi-Lift — Description and Operation
649-351-141	2	Servi-Lift — Telescoping — Description and Operation
649-352-101	1	Preparation for Use

**649-360 Earth-Boring Machines**

649-360-100	2	
649-360-105	1	
649-360-111	1	PE Digger
649-360-120	2	B, B2 and BH2 Hydraulic Diggers
649-360-130	1	Rock Drill
649-360-135	1	Compacting Earth Auger — Description and Use
■ 649-360-137	1	Cold Milling Machine Operation and Maintenance (8-94)
■ 649-360-138	1	Directional Bore Operation and Maintenance (8-94)
■ 649-360-139	1	Pneumatic Earth Bore Operation and Maintenance (12-94)

**649-4 Pipe Pushers and Electrified Vehicles**

**649-420 Pipe Pushing Equipment**

649-420-100	2	B Push Pipe
649-420-101	2	B Pipe Pusher
649-420-102	1	C Pipe Pusher

**649-480 Electrified Vehicles**

649-480-101	1	Lectro-Van — Generac* — Description and Operation
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**649-5 Engines, Blowers, Heaters, Generators, Pumps, Saws, Air Compressors/Tools**

**649-500 Portable Engines**

Addendum	1	
649-500-100	5	B and E Engine
649-500-102	1	Air-Cooled Wisconsin Engines
Addendum	1	
649-500-111	4	C and F Engine

**649-510 Blowers and Heaters**

649-510-001	1	Precaution When Using Blowers, Heaters, and Portable Engine Driven Units
Addendum	1	
649-510-100	2	DC Blower
Addendum	2	
649-510-105	1	AC-DC Blower (AT-C 172X) — Description and Use
Addendum	1	
649-510-106	2	Blower — Description and Use
649-510-111	5	C Blower
649-510-112	2	12 Volt Electric Blower — Description and Operation
649-510-115	6	Blower Hoses
Addendum	1	
649-510-120	3	B Ventilating Heater
Addendum	1	
649-510-125	1	Generator-Heater-Ventilator (GEN-AIR) — Description and Operation

\* Generac is a registered trademark of Generac Corporation

Number	Issue	Subject
Addendum	1	
649-510-126	2	Mo-Pe-Co Generator — Heater — Ventilator — Description and Operation
649-510-128	1	D and E Generator-Heater-Ventilator — Description and Operation
Addendum	2	
649-510-130	2	F Ventilating Heater

**649-520 Portable Generators**

649-520-100	6	B and C Generators
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**649-530 Portable Pumps and Saws**

649-530-100	7	B Manhole Pump
649-530-101	1	4-inch Gorman-Rupp* Manhole Pump
649-530-105	3	Suction and Discharge Hoses
649-530-110	3	Submersible Pumps
649-530-120	1	Reciprocating Power Saw AT-C169X
■ 649-530-125	1	Concrete-Asphalt Cutter — Operation and Maintenance (8-94)
■ 649-530-126	1	Concrete/Asphalt Saw — Operation and Maintenance (12-94)

**649-535 Sprayers**

■ 649-535-100	1	Tack Distributor — Operation and Maintenance (12-94)
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**649-540 Air Compressors and Tools**

649-540-100	1	Air Compressors, Compressed Air Tools
649-540-105	1	Air Compressor, Davey Company
649-540-111	1	Air Compressor, Chicago Pneumatic
■ 649-540-115	1	Air Compressor — Operation and Maintenance (12-94)
649-540-145	1	Barco† Gasoline Hammers and Drillers

\* Gorman-Rupp is a registered trademark of The Gorman-Rupp Company

† Barco is a registered trademark of Barco Industries, Inc.

**Division 660**

**Test Center Operation**

**660-0 Index and General Information**

-099 Customer Information Releases (CIRs)

**660-1 Customer Telephone Stations and Lines**

-100 CTRAP (Customer Trouble Report Analysis Plan)

-101 Handling Trouble Reports in the Repair Service Center

-165 ARSB (Automated Repair Service Bureau)/TREAT (Trouble Report Evaluation and Analysis Tool) 1A Line Concentrator

-166 1A Line Concentrator

-167 Network Harms and Cable Restoration

-168 ARSB/LMOS (Automated Repair Service Bureau/Loop Management Operations System)

-169 ARSB Maintenance Procedures

-170 Radio Common Carrier

**660-2 SSS (Special Services System)**

**660-4 Trunk Maintenance — General**

**660-5 Trunk Maintenance — Locations Other Than Testboards**

**660-6 Trunk Maintenance — Testboard Locations**

**660-8 Cable and Open-Wire Plant — Maintenance**

-830 ACE (Automated Cable Expertise)

Number	Issue	Subject
660-002-010	12	Data Test Centers — Maintenance Directory
660-002-015	2	DATAPHONE® II Data Communications Service — Control Office Directory
660-003-010	3	Cable Trouble Analysis Plan — Introduction and Definitions
660-003-011	3	Cable Trouble Analysis Plan — Cable Trouble Code Card Form E-3628A
660-003-012	3	Cable Trouble Analysis Plan — Cable Trouble Ticket — Form E-5039 and Cable Trouble Summary Form E-3626A
660-003-013	3	Cable Trouble Analysis Plan — Cable Trouble Analysis — Summary of Trouble Data Form E-5408 — Subgroup Codes Form E-5040 — Detail Codes Form E-5119
660-003-014	1	Cable Trouble Analysis Plan — Administration of Rehabilitation or Replacement
660-003-020	2	Computerized Cable Upkeep Administrative Program (CCUAP)
660-004-010	2	Special Services Networks — Plant Network Managers
Addendum	1	
660-005-011	1	Office Responsibilities — Special Services
660-005-013	1	Office Responsibilities — Western Union Teletypewriter Exchange Service (WUTWX)

**660-1 Customer Telephone Stations and Lines**

**660-100 CTRAP (Customer Trouble Report Analysis Plan)**

660-100-010	4	General Information
660-100-011	6	Categories of Trouble Reports and Classes of Service Measured
660-100-012	4	Customer Service Quality Indicators, MC SIRBAN
660-100-014	3	Manual Trouble Report Ticket, Forms E-4732-1 and E-4732-2
660-100-015	3	Summaries — Forms E-4737, E-4737A and E-2700
660-100-016	2	Analyzing Trouble Reports — Manual

**660-0 Index and General Information**

**Index**

Number	Issue	Subject
660-000-000	94	Numerical Index — Division 660 — Test Center Operation
660-000-005	2	Alphabetical Index — Test Center Operation (Divisions 660 Through 669)

**General Information**

Supplement	1	
660-001-011	3	Equipment Test List



Number	Issue	Subject	Number	Issue	Subject
660-100-017	3	Mechanization — General Description, Procedures, and Forms	660-101-316	1	Follow-Up Routines
660-100-018	4	Mechanized Trouble Report Ticket, Forms E-4732-3 and E-4732-4	660-101-317	1	Handling Trouble Reports When Acoustically or Inductively Coupled Devices Are Used for Data Transmission
660-100-019	3	Analyzing Trouble Reports — Mechanized	660-101-318	1	Tariff and Registration Violation Notice Procedures, Form E-6670
<b>660-101 Handling Trouble Reports in the Repair Service Center</b>			660-101-400	1	Test Desk Guidelines — Subscriber Loop Electronics AT&T document
660-101-300	4	General Routine for Handling Trouble Reports in the Repair Service Center	<b>660-102 Voice Customer Access System</b>		
660-101-301	1	Permanent Signals	660-102-001	4	Repair Service Generic 2B — Planning Guide
660-101-302	1	Cable Sheath Opening Record	660-102-006	4	Voice Customer Access System — Repair Service (VCAS — RS)
660-101-303	1	Cable and Line or Station Transfers AT&T document	660-102-300	2	Operating Practice for Test Center — Emergency Routine AT&T document
660-101-304	2	Handling Customer Trouble Reports on TWX and Wide Area Services	<b>660-103/104 Customer Arrangements</b>		
660-101-305	2	Handling Customer Trouble Reports on DATAPHONE Services	660-103-300	7	Contact Handling AT&T document
660-101-306	1	Community Antenna Television (CATV) Distribution Systems — Test Center Procedures	660-104-300	8	Appointments AT&T document
660-101-307	1	Plant Service Center Responsibilities for Switched Services Networks AT&T document	<b>660-150/153 Card Descriptions</b>		
660-101-308	1	Rural Carrier Telephone Systems — Testing Methods AT&T document	660-150-010	4	Customer Line Card File AT&T document
660-101-309	1	Handling Customer Trouble Reports and Intercompany Billing — Mobile Radio	660-151-010	4	Customer Line Cards
660-101-310	1	Repair Service Bureau Procedures for Apartment Door Answering Service AT&T document	660-152-010	4	Description and Use of Marker Cards AT&T document
660-101-311	1	Instant Test AT&T document	660-153-010	1	Concentrator Equipment Card AT&T document
660-101-312	4	Maintenance of Service Charge on Services With Customer Provided Equipment	<b>660-160 Subscriber Line Testing</b>		
660-101-313	2	Bulk Dispatch — Trouble Reports AT&T document	660-160-500	1	Subscriber Line Insulation Testing AT&T document
660-101-314	1	No-Access Procedure	<b>660-165 ARSB (Automated Repair Service Bureau)/TREAT (Trouble Report Evaluation and Analysis Tool)</b>		
660-101-315	1	Procedures for Test OK — Customer Doesn't Answer — (TOK-DA)	660-165-000	3	Report 00 — Universal Report — Description
			660-165-001	4	Report 01 — Morning Report — Description

Number	Issue	Subject	Number	Issue	Subject
660-165-002	6	Report 02 — Central Office Results — Description	660-165-022	3	Report 22 — Installation Reports — Description
660-165-003	3	Report 03 — Administrative Report — Description	660-165-023	3	Report 23 — No Access Analysis — Description
Addendum	1		660-165-024	3	Report 24 — Out of Service Received Before 1700 and Carried Over — Description
660-165-004	4	Report 04 — Customer Trouble Report Summary — E-2700 Reports-Special and Official — Description	660-165-025	4	Report 25 — Bulk Dispatch — Description
660-165-005	3	Report 05 — Central Office Originating Equipment — Description	660-165-026	3	Report 26 — Repair Clerk Analysis — Description
660-165-006	4	Report 06 — Description — Central Office Originating Equipment — Detailed Listing	660-165-027	4	Report 27 — Tester or Verifier Load Analysis — Description
660-165-007	3	Report 07 — Central Office Terminating Equipment — Description	660-165-028	3	Report 28 — Tester or Verifier Disposition Analysis — Description
660-165-008	4	Report 08 — Description — Central Office Terminating Equipment — Detailed Listing	660-165-029	3	Report 29 — Outside Craft Person Analysis — Description
660-165-009	4	Report 09 — Calling-Called Analysis — Description	660-165-030	4	Report 30 — Outside Crafts-person Disposition Analysis — Description
660-165-010	3	Report 10 — Called-Calling Analysis — Description	660-165-031	4	Report 31 — Test Time Analysis — Description
660-165-011	3	Report 11 — Exchange Facility Analysis — Description	660-165-032	4	Report 32 — Maintenance Center Testing Time — Description
660-165-012	3	Report 12 — Cable Count Analysis — Detailed Listing — Description	660-165-033	4	Report 33 — Repair Service Bureau Dispatch Time — Description
660-165-013	3	Report 13 — Repeated Report Analysis — Original Reports — Description	660-165-034	3	Report 34 — Repair Service Bureau Clearing Time — Description
660-165-014	3	Report 14 — Repeated Report Analysis — R Reports — Description	660-165-035	3	Report 35 — Repair Service Bureau Average Receipt to Clear — Description
660-165-015	3	Report 15 — Repeated Reports — Detailed Listing — Description	660-165-036	4	Report 36 — Repair Service Bureau Load By Repair Groups — Description
660-165-016	3	Report 16 — Repeated Reports — Individual Customer — Description	660-165-037	4	Report 37 — Repair Service Bureau Reports Received/Dispatched — Description
660-165-017	3	Report 17 — Repeated Reports — Individual Craft Person — Description	660-165-038	3	Report 38 — PBX-Centrex-Coin Controlled Maintenance Data — Description
660-165-018	3	Report 18 — Missed Appointments — Description	660-165-040	3	Report 40 — Employee Reports — Detailed Listing — Description
660-165-019	2	Report 19 — Appointment Comments	660-165-041	3	Report 41 — Referred in Reports — Detailed Listing — Description
660-165-020	2	Report 20 — Work Comments	660-165-042	3	Report 42 — Excluded Reports — Detailed Listing — Description
660-165-021	3	Report 21 — Subsequent Reports — Description			

Number	Issue	Subject	Number	Issue	Subject
660-165-043	4	Report 43 — Trouble Follow-Up Analysis — Description	660-165-064	4	RSB Threshold Development Procedures — Description
660-165-044	3	Report 44 — CPE (Customer-Provided Equipment) Report #2 — Unauthorized CPE Cases — Description	660-165-065	4	Trouble Report Input Requirements
660-165-045	4	Report 45 — CPE #2 — Cases to be Billed — Description	660-165-067	3	Bell System Standard Performance Reports — Description
660-165-046	4	Report 46 — RFA — Average Dispatch-to-Clear Times by Repair Group — Description	660-165-068	2	Time Share Option (TSO) Operational Concept — Output Report Retrieval Instructions
660-165-047	4	Report 47 — RFA — Dispatchable Reports Totaled by Received Date — Description	660-165-069	2	TREAT Operation Under a Batch Environment
660-165-048	3	Report 48 — Disposition Codes 01 Through 09 — Subcodes by Class-of-Service Groups — Description	660-165-070	3	TREAT Operation in an Information Management System (IMS) Environment — Description
660-165-049	3	Report 49 — Disposition Codes 10 Through 13 — Subcodes by Class-of-Service Groups — Description	660-165-100	1	Gfeller* Line Concentrator AT&T document
660-165-050	4	Report 50 — Cause Codes (1 Through 6) Subcodes by Class-of-Service Groups — Description	<b>660-166 1A Line Concentrator</b>		
660-165-051	3	Report 51 — Phone Center — Description	660-166-100	1	1A Line Concentrator — Characteristics, Operating Features, Testing and Maintenance Precautions
660-165-052	1	Report 52 — Maintenance Center Referral Time — Description	<b>660-167 Network Harms and Cable Restoration</b>		
660-165-053	1	Report 53 — Maintenance Center Referral to Clear Time — Description	660-167-001	1	Network Harms Handling and Reporting Procedures
660-165-054	1	Report 54 — Initial Trouble Reports — Defective Equipment — Replacement Program (DERP)-Residence and Business — Description	660-167-300	1	Cable Restoration — Dedicated Plant — Identifying Paper Insulated Cable Pairs
660-165-056	2	Report 56 — Maintenance Center Screen Time — Description	<b>660-168 ARSB/LMOS (Automated Repair Service Bureau/Loop Management Operations System)</b>		
660-165-057	1	Report 57 — Screener Load Analysis — Description	<b>General</b>		
660-165-058	2	Report 58 — Screener Disposition Analysis — Description	660-168-010	12	Documentation Index
660-165-061	4	Introduction and TREAT Concepts	660-168-011	11	Glossary of Terms
660-165-062	4	Output Report Summary — Description	660-168-012	11	Loop Management Operations System — Transaction Reference Guide
660-165-063	4	Analysis Strategy and Guidelines — Description	660-168-013	1	User Codes
			660-168-100	2	Equipped With Line Status Verifier — General Description
			660-168-105	3	Processing of Hardware and Software Trouble Reports
			660-168-106	2	Obtain Trouble History Stored Off-Line — Position Practice

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Number	Issue	Subject	Number	Issue	Subject
Addendum	1		660-168-181	1	Installation Support Package — Glossary of Terms
660-168-107	3	Interpretation of the Trouble Report and Status Form — User Guide	660-168-182	1	Installation Support Package — Transaction Reference Guide
<b>LMOS (Loop Management Operations System)</b>			660-168-183	1	Installation Support Package — Request Installation Data Bases Information — Procedures
660-168-113	2	Identify and Select Front-End Processor User Guide	660-168-184	1	Installation Support Package — Request Installation Data Bases Information — User Guide
660-168-121	10	Receive and Process Line Record Update Inputs — Automated Repair Service Bureau — Procedures	660-168-185	1	Installation Support Package — Update Work Item Data Base Procedures
660-168-122	14	Loop Management Operations System — Update Line Record Procedures — Automated Repair Service Bureau	660-168-186	1	Installation Support Package — On-Line Error Message Processing
660-168-123	2	ALRU (Automated Line Record Update) Error Message Processing Automated Repair Service Bureau	660-168-187	1	Installation Support Package — Host Administrative Reports — User Guide
660-168-124	2	Update Pair Gain Data Base Procedures	660-168-188	1	ISPP (Installation Support Package Parser) Error Message Processing
660-168-125	1	Update Abbreviated Trouble History — Data Base Procedures	<b>MLT (Mechanized Loop Testing)</b>		
660-168-130	11	Request System Information — User Guide	660-168-200	5	General Description
660-168-131	14	Request System Information — Procedures — Automated Repair Service Bureau	660-168-207	4	Interpretation of the Status and Test Summary Form — User Guide
660-168-132	10	Description of Customer Line Record Fields — User Guide	660-168-208	3	Interpretation of the Trouble Report Form — User Guide
660-168-151	4	Display Printed Output — Specify Printed Output — Procedures	660-168-211	5	Enter Trouble Reports
660-168-152	3	Display Commitment — Specify Commitment — Position Practice	660-168-229	2	Data Base Audits
660-168-155	5	Create and Maintain Test List — Procedures	660-168-230	10	ALRU (Automatic Line Record Update) — Error Message Processing — Automated Repair Service Bureau
660-168-156	5	Initiate and Monitor Programmed Scan Testing — Procedures	660-168-231	7	Review Transactions — On-Line Error Message Processing — ARSB (Automated Repair Service Bureau)
660-168-163	10	Guide for Identifying Conflicts — User Guide — Automated Repair Service Bureau	660-168-232	6	LMOS — Update Transactions — On-Line Error Message Processing — ARSB
660-168-170	1	Scheduler Transaction Description — User Guide	660-168-233	2	WOI (Work Order Interface) Error Message Processing — Automated Repair Service Bureau
660-168-173	3	Tracker Description — User Guide	660-168-240	3	Interpretation of Basic Output Report and Mini Output Report — User Guide
660-168-180	1	Installation Support Package — Description and Documentation Index	660-168-241	4	Sort and Distribute Printer Output — Procedures



Number	Issue	Subject	Number	Issue	Subject
Addendum	1		<b>660-170 Radio Common Carrier</b>		
660-169-013	2	Trouble Report Evaluation and Analysis Tool (TREAT) — Trouble Reports — Type, Disposition, and Cause — Loop Maintenance Operations System (LMOS)	660-170-100	1	Radio Land Lines Central Office Connective Circuits — Descriptive Maintenance
660-169-300	1	General Routine for Handling Trouble Reports	<b>660-2 SSS (Special Services System)</b>		
660-169-301	1	Procedures for Permanent Signals	<b>General</b>		
660-169-302	1	Control and Administration of Cut Dead, Transposed and Transferred Pairs — Maintenance Center	660-200-010	1	Service Report Ticket, Form E-4071, Program, Video, and Music Transmission Service
660-169-303	1	Cable and Line or Station Transfers	660-200-015	1	Minimum Service Charge Arrangements
660-169-304	1	Procedures for Handling Customer Trouble Reports on Wide Area Telephone Services Services	660-200-016	1	Customer Visits
660-169-307	1	Responsibilities for Switched Services Networks	Addendum	1	
660-169-310	1	Procedures for Apartment Door Answering Service	660-200-300	1	Special Safeguarding Measures
660-169-312	1	Maintenance of Service Charge on Services With Customer-Provided Equipment — Description	660-200-301	2	Protection and Safeguarding
660-169-313	1	Bulk Dispatch — Trouble Reports	660-200-302	1	Service Criticisms Accommodations
660-169-314	1	No-Access Procedure	Addendum	1	
660-169-315	1	Test OK — Customer Doesn't Answer (TOK-DA) Procedures	660-201-010	3	Toll Telephone Facility Maintenance — Office Responsibilities
660-169-316	1	Follow-Up Routines	<b>Telegraph Services</b>		
660-169-320	1	Operating Procedures for Emergency Routine	660-202-010	1	Telegraph Facility and Service Maintenance — Office Responsibilities
660-169-321	1	Appointments	660-202-011	1	Establishing and Restoring Temporary Patches
660-169-322	1	Cable Restoration — Identifying Paper Insulated Cable Pairs — Dedicated Plants	660-202-012	1	Administrative of Service Restoration and Maintenance Spares
660-169-323	1	Scanner/Analyzer — Procedures	660-202-013	1	Teletypewriter Monitoring
660-169-324	1	Assignment of Cable Pair Changes	660-203-010	1	Disposition of Monitoring Teletypewriter and TWX Copy
660-169-599	1	Mechanized Trouble Report Ticket for Trouble Report — Evaluation and Analysis Tool (TREAT), Forms E-4732-5 TRT and E-4732-6 TRT	660-204-010	1	Special Handling of Private Teletypewriter Services
			660-204-011	1	83A1 and 83B1 Teletypewriter Selective Calling Systems — Pre-Service Testing Procedures
			660-204-012	1	Operating and Testing Procedures for Circuits Associated with 83B Type Teletypewriter — Selective Calling Systems
			<b>Toll Private Services</b>		
			660-205-010	1	Telegraph — Preparation and Use of Served Point Record — Form E-4481

Number	Issue	Subject	Number	Issue	Subject
660-206-010	1	Telephone — Preparation and Use of Served Point Record, Form E-4536	Addendum	2	
<b>Suspension/Restoration Procedures</b>			660-225-011	6	Definitions
▲660-207-010	6	Message and Special Service Circuits — Restoration Sequence	Appendix 1	6	Typical Special Services
▲660-207-020	4	Intercity Special Services — Restoration Priority Description and Procedures	660-225-014	1	Special Services — Index Plan
660-208-010	1	Private Line Services — Operating Procedures for Handling Temporary Suspend or Temporary Discontinue Service Orders on Interstate Services	Addendum	1	
<b>Data Transmission</b>			660-225-015	3	Preparation and Use of the Private Service Report Ticket Forms E-4220-M and E-4221
660-209-010	4	Procedures for Preparation in Transmission of Data to the Data Processing Center	Appendix 1	3	No Title
<b>Local Special Services Results Plan</b>			Addendum	2	
660-210-010	2	General AT&T document	660-225-016	5	Procedures for Preparation and Transmission of Results Data to the Cleveland Data Processing Center
660-210-011	2	Local Special Services Results Plan AT&T document	660-225-017	2	Reports and Results Summaries
660-210-012	2	Index Plan AT&T document	<b>Mechanized Analysis Plan</b>		
<b>ALLIANCE® Dedicated Teleconferencing Services</b>			660-225-020	2	General
■ 660-211-010AC	1	Operations and Administration Plan	Addendum	1	
■ Appendix 1AC	1	Keep Cost Accounts	660-225-021	2	Automatic Analysis Data
<b>Consultation</b>			Appendix 1	2	No Title
Addendum	2		Addendum	2	
660-215-500	1	Special Services Consulting Guide	660-225-022	1	Retrieval of Detailed Trouble Data
<b>Analysis Plan</b>			Appendix 2	1	No Title
660-220-012	2	Preparation and Use of Private Service History Cards, Forms E-4476 and E-4475	660-225-030	2	Special Services Mechanized Reporting of Rebating Information
<b>Mechanized Results Measurement Plan</b>			<b>SSS (Special Services System)</b>		
Addendum	1		660-225-110	1	Administrative Guidelines
660-225-010	5	General	660-225-111	1	Inventory Tickets
<b>Office Administrative Responsibilities and Methods</b>			660-225-112	1	Trouble Ticket Description
660-230-100	5	AT&T Communications Company — DATAPHONE® Digital Service	Appendix 1	1	Typical Special Service Troubles — Questions and Answers
■ 660-230-100AC	1	DATAPHONE Digital Service	660-225-113	1	Switched Service Networks Guidelines
			660-225-114	1	Transmission Procedures for the Atlanta Data Processing Center
			660-225-115	1	Output Reports Description
			660-225-116	1	Analysis Plan

Number	Issue	Subject
660-230-110	1	AT&T Communications — DS-1 Digital Service
■ 660-230-110AC	2	ACCUNET® Terrestrial 1.5 — Digital Service
■ 660-230-111AC	1	ACCUNET Terrestrial 1.5 — Customer Controlled Reconfiguration
■ 660-230-120AC	1	ACCUNET Reserved 1.5 Service — Operations
660-230-150	1	Packet Transport Network — Network Operations
660-230-300	1	Digital Data System — Cable Failure Restoration Procedures
660-230-350	1	Service and Product Analysis — Report System (SPARS)
660-230-351	1	SPARS — Output Reports and Result Summaries
<b>Special Service Center</b>		
660-249-100	1	Special Service Center — Administrative Guide (SSCAG) AT&T document
■ 660-249-100AC	1	Special Service Center — Administrative Guide (SSCAG)
660-249-101	1	Special Service Center/Switching Control Center/Network Terminal Equipment Center — Operations Interface AT&T document
660-249-110	1	Organization Sizing AT&T document
660-249-111	1	Span of Control/Span of Supervisor Guidelines AT&T document
660-249-120	1	Certification Plan AT&T document
660-249-200	3	Administrative Guide — Mechanized AT&T document
660-250-000	3	Document Indexes — Special Services
▲660-250-100	2	Order Receiver AT&T document
▲660-251-100	2	Screeener/Distributor AT&T document
▲660-251-200	1	Screeener/Distributor (CMS-3A) AT&T document
▲660-252-100	2	Controller/Tester
▲660-252-200	1	Controller/Tester (CMS-3A) AT&T document
▲660-253-100	1	Completion Clerk AT&T document
▲660-254-100	1	Installation Analyzer AT&T document

Number	Issue	Subject
▲660-254-200	1	Installation Analyzer (CMS-3A) AT&T document
▲660-255-100	1	Record Acceptor/Administrator AT&T document
▲660-255-200	2	Record Acceptor/Administrator (CMS-3A) AT&T document
▲660-256-100	1	Repair Service Attendant AT&T document
▲660-256-200	2	Repair Service Attendant (CMS-3A) AT&T document
▲660-257-100	1	Maintenance Record Tracker AT&T document
▲660-258-100	1	Maintenance Tester AT&T document
▲660-258-200	2	Maintenance Tester (CMS-3A) AT&T document
▲660-259-100	1	Maintenance Analyzer AT&T document
▲660-259-200	2	Maintenance Analyzer (CMS-3A) AT&T document

**660-4 Trunk Maintenance — General**

**General**

660-400-010	3	Trunk Service Results Plan
660-401-010	4	Testing and Operating Precautions for Message Trunks
660-402-010	3	Recording of Manual Transmission Measurements and Measurement Schedules
660-402-300	12	Transmission Maintenance — Overall 1000-Hz Loss Measurements on Message Trunks
660-402-310	1	Transmission Maintenance — Echo Suppressor Tests Using 5B-Type Echo Suppressor Measuring System
Addendum	1	
660-403-011	4	Trunk Transmission Maintenance Index — Mechanized Summary Procedure — Data Reporting
660-403-300	4	Message Circuit Noise and Impulse Noise Measurements — Message Circuit Trunks — Test Classifications and Intervals
660-403-301	4	Investigation of Specific Noise and Crosstalk Troubles on Voice Frequency Circuits — Cable Circuits



Number	Issue	Subject	Number	Issue	Subject
660-403-302	3	Investigation of Specific Noise and Crosstalk Troubles on Voice-Frequency Circuits — Open Wire Circuit	660-450-302	1	Circuit Order or Trunk Order Tests for Carrier Telegraph Layouts
660-403-310	1	Transmission Maintenance — Echo Suppressor Tests Using 58-Type Echo Suppressor Measuring System	660-450-303	1	Preservice and Maintenance Tests for Operator and Attendant Services Trunks
Addendum	2		660-450-502	1	Circuit Order or Trunk Order Tests — Testing Methods — Measurement of Office Wiring and Equipment Losses — 2-Wire Switching Offices
660-403-500	5	Message Circuit Noise Measurements on Message Trunks — Requirements	660-450-503	1	Circuit Order or Trunk Order Tests — Testing Methods — Measurement of Office Wiring and Equipment Losses — 4-Wire Switching Offices
660-403-501	3	Measurement of Voice Frequency Crosstalk Coupling Using a Type-3 Noise Measuring Set	660-450-504	1	Circuit Order or Trunk Order Tests — Testing Methods — Adjustment of Transmission Levels on Combination Trunks — Intermediate Offices
660-403-503	5	Crosstalk Tests on Message Trunks	660-450-505	4	Trunk Order or Circuit Order Tests — Testing Methods — Channel Net Gain
660-403-504	3	Signaling Systems — Overall Tests on Trunks Employing Single Frequency Signaling	Addendum	1	
660-403-505	1	Transmission Maintenance of Voice-Frequency — Carrier Telegraph Facilities	660-450-506	1	Circuit Order to Trunk Order Tests for Overseas Operator Bridged Access Trunks — 10C and 10TC Operation — 4A and 4M Toll Switching Systems and 3C or 3CL Switchboards
660-405-300	2	Data Systems — DATAPHONE® Service and Data Access Arrangements Using the Switched Telecommunications Network — Toll Testroom Trouble Clearing Procedures	660-450-507	1	Common Channel Interoffice Signaling — Voice Frequency Link — Description, Maintenance, and Tests
660-420-010	1	Automatic Trunk Test Frames Associated With ATMS — Central Office Administration	<b>4ESSTM Offices</b>		
660-430-012	3	Control of 1 KHz Trunk Loss Deviations	660-460-010	1	Terminal Balance Records
660-440-010	3	Test Line Circuits and Communication Trunks Nationwide Distance Dialing Plan	660-460-100	1	Terminal Balance — General Information
660-440-107	2	107-Type Test Line for Data Transmission Maintenance — Description	660-460-301	2	Terminal Balance Requirements
660-450-010	7	Forms for Recording Trunk or Circuit Order Test Results on Message Trunks — Test Center Operation	<b>No. 1 Trunk Concentrator</b>		
660-450-300	3	Trunk Order or Circuit Order Tests for All Types of Message Trunks — General Information	660-461-100	1	No. 1 Trunks Concentrator — General Balancing Information
660-450-301	5	Preservice and Maintenance Tests for All Types of Message Trunks	660-461-101	1	No. 1 Trunk Concentrator — General Balance Information — Administration and Records
			660-461-301	1	No. 1 Trunk Concentrator — Balance Requirements and Verification Tests

Number	Issue	Subject	Number	Issue	Subject
<b>No. 23 ACD (Automatic Call Distributing) System</b>			<b>660-470-500</b>		
660-462-010	1	No. 23 Concentrator Through and Terminal Balance — Administration and Records	1		NBO Selector for Associated Switchboards for Through and/or Terminal Balancing
660-462-100	1	No. 23 Concentrator Through and Terminal Balance — General Information	660-470-501	1	Through Balance Drop Build-Out (DBO) Procedures and Verification Tests
660-462-301	2	No. 23 Concentrator Through and Terminal Balance — Requirements	Addendum	1	
660-462-500	1	No. 23 Concentrator Through and Terminal Balance — Network Build-Out Capacitor (NBOC) Selection	660-470-502	1	Terminal Balance DBO Procedures and Verification Tests
660-462-502	1	No. 23 Concentrator Through and Terminal Balance — Drop Build-Out Capacitor (DBOC) Adjustment and Verification Tests	660-470-504	1	Test Routines, Test Circuits, Test Terminations, and Test Equipment Applications for Through and Terminal Balance
660-462-504	1	No. 23 Concentrator Through and Terminal Balance — Balance Test Equipment and Test Circuit	660-470-520	1	Selection of Office NBO in Large Class 5 Offices
<b>No. 1/1B Traffic Service Position System</b>			<b>Crossbar Tandem Offices</b>		
660-463-010	3	Impedance Balance — Administration and Records	660-471-010	1	Through and Terminal Balance — Administration and Records
660-463-100	3	Impedance Balance — General Information	660-471-100	2	Through and Terminal Balance — General Information
660-463-301	3	Impedance Balance Requirements	660-471-300	2	Through Balance Requirements
Addendum	1		660-471-301	4	Terminal Balance Requirements
660-463-500	2	With Remote Trunk Arrangement, Position Subsystem No. 2, and Automatic Coin Toll Service — Balance — Base Unit	Addendum	1	
660-463-502	1	Remote Trunk Arrangement/Position Subsystem No. 2 — Balance — RTA	660-471-500	1	Office NBO Selection for Through and/or Terminal Balance
660-463-504	1	Position Subsystem No. 2 and Remote Trunking Arrangements — Balance — Test Equipment, Test Circuits, and Terminations	660-471-501	1	Through Balance Build-Out Procedures and Verification Tests
<b>1/1A ESST<sup>TM</sup> Offices With HILO 4-Wire Switching</b>			Addendum	1	
660-470-010	1	Through and Terminal Balance Records	660-471-502	1	Terminal Balance DBO Adjustments and Verification Tests
660-470-100	2	Through and Terminal Balance	660-471-503	1	Through and Terminal Balance — Analysis of Balance Irregularities
660-470-300	2	Through Balance Requirement	Addendum	1	
660-470-301	2	Terminal Balance Requirements	660-471-504	1	Test Equipment, Test Circuits, and Terminations — Used in Through and Terminal Balancing Testing
			660-471-520	1	Selection of Office NBO in Large Class 5 Offices Served by Crossbar Tandem Office AT&T document
			<b>No. 5 Crossbar Offices</b>		
			660-472-010	1	Through and Terminal Balance — Administration and Records AT&T document

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		<b>Step-by-Step Offices</b>		
660-472-100	1	Through and Terminal Balance — General Information AT&T document	660-474-010	1	Terminal Balance — Administration and Records
660-472-300	2	Through Balance Requirements	660-474-100	1	Terminal Balance — General Information
660-472-301	4	Terminal Balance Requirements	660-474-301	4	Terminal Balance Requirements
660-472-500	2	Network Build-Out Selection for Through and/or Terminal Balance AT&T document	660-474-500	1	Office NBO Selection for Terminal Balance
660-472-501	1	Through Balance Drop Build-Out Procedures and Verification Tests AT&T document	660-474-502	1	Terminal Balance DBO Adjustments and Verification Tests
660-472-502	2	Terminal Balance and Drop Build-Out (DBO) Procedures and Verification Tests AT&T document	660-474-504	1	Test Equipment, Test Circuits, and Terminations Used in Terminal Balance Testing
660-472-504	2	Test Equipment, Test Circuits, and Terminations Used in Through and Terminal Balance Testing AT&T document	660-474-520	1	Selection of Office NBO in Large Class 5 Offices
660-472-520	1	Selection of Office NBO in Large Class 5 Offices Served by No. 5 Crossbar Office AT&T document	<b>Class 4P Toll Switchboards</b>		
<b>No. 4 Type Crossbar Offices</b>			660-475-010	1	Terminal Balance — Administration and Records
660-473-010	1	Through and Terminal Balance — Administration and Records AT&T document	660-475-100	1	Terminal Balance — General Information
660-473-100	1	Through and Terminal Balance — General Information AT&T document	660-475-301	3	Terminal Balance Requirements
660-473-300	3	Through Balance Requirements	660-475-500	1	Decentralized Toll Offices (DTO and DSA Switchboards) — NBO Selection for Terminal Balance
660-473-301	3	Terminal Balance Requirements	660-475-502	1	Terminal Balance DBO Adjustments and Verification Tests
Addendum	2		660-475-504	1	Test Equipment, Test Circuits, and Terminations Used in Terminal Balance Testing
660-473-500	1	NBO Selection for Through and/or Terminal Balance AT&T document	660-475-520	1	Selection of Office NBO in Large Class 5 Offices
660-473-501	1	Through Balance Build-Out Procedures and Verification Tests	<b>1/1A ESS Switching Offices</b>		
660-473-502	1	Terminal Balance — DBO Adjustments and Verification Tests AT&T document	660-476-010	2	Through and Terminal Balance Records
660-473-504	1	Test Equipment, Test Circuits, and Terminations Used in Through and Terminal Balance Testing AT&T document	660-476-100	2	Through and Terminal Balance — General Information
660-473-520	1	Selection of Offices NBO in Large Class 5 Offices Served by No. 4 Crossbar Office AT&T document	660-476-300	4	Through Balance Requirements
			660-476-301	3	Terminal Balance Requirements
			660-476-500	2	Hybrid Balancing Network Adjustment of 4-Wire ESS Trunk Circuits and NBO Selection for Associated Switchboards for Through and/or Terminal Balancing
			660-476-501	2	Through Balance Drop Build-Out (DBO) Procedures and Verification Tests

Number	Issue	Subject
Addendum	1	
660-476-502	2	Terminal Balance — DBO Procedures and Verification
Addendum	1	
660-476-504	2	Test Routines, Test Circuits, Test Terminations, and Test Equipment Applications for Through and Terminal Balance
660-476-520	2	Selection of Office NBO in Large Class 5 Offices Served by 1/1A ESS Switches

**No. 5 Crossbar Automatic Call Distributor System**

660-477-010	1	Phase I — Administration and Records
660-477-100	1	Phase I — General Balancing Information
Addendum	1	
660-477-301	1	Phase I — Balance Requirements
660-477-500	1	Phase 1 — Balance Procedures — Network Build-Out Capacitance (NBOC) Selection
Addendum	1	
660-477-502	1	Phase I — Balance Procedures — Drop Build-Out Capacitor (DBOC) Selection and Verification
660-477-504	1	Phase I — Balance Test Equipment and Test Circuits
660-478-010	1	Phase II — Administration and Records
Addendum	1	
660-478-100	1	Phase II — General Balancing Information
660-478-301	3	Phase II — Balance Requirements
660-478-502	2	Phase II — Balance Procedures — Network Build-Out Capacitance (NBOC) Selection, Drop Build-Out Capacitor (DBOC) Selection, and Verification
660-478-504	2	Phase II — Balance Test Equipment and Test Circuits

**AIS (Automatic Intercept Systems)**

660-479-100	1	General Balancing Information
660-479-101	1	Extended Range — General Balancing Considerations — Administration and Records

Number	Issue	Subject
660-479-200	1	Extended Range — Net Build-Out (NBO) and Drop Build-Out (DBO) Capacitor — Selection and Application — AIS Test Circuit
660-479-301	1	Extended Range Balance Requirements and Verification Tests — Trouble Locating Procedures

**No. 5 Crossbar Automatic Call Distributor System**

Addendum	1	
660-480-100	1	Phase 1 Extended Range — General Balancing Information
660-480-101	1	Phase 1 Extended Range — General Balancing Considerations — Administration and Records
660-480-200	1	Phase 1 Extended Range — Net Build-Out and Drop Build-Out Capacitor Selection and Application
Addendum	1	
660-480-301	1	Phase 1 Extended Range — Balance Requirements

**660-5 Trunk Maintenance — Locations Other Than Testboards**

660-501-500	2	Trunk Transmission Testing Using the Loop-Around Method
660-502-500	2	Manual Two-Way Transmission Measurement and Far-End Noise Check Using Code 104-Type Far-End Equipment
660-503-500	1	Use of Expanded ROTL Balance and Long-Term (BALT) Test Port
Addendum	1	
660-510-120	1	RMS-D3 — User Manual
Addendum	1	
660-510-121	1	RMS-D3 — Administrator Manual
660-510-150AI	1	SARTS/RMS-I — DTU Administrator's Manual (8-93)
660-510-152AI	1	SARTS/RMS-I — DTU Administrator's Manual (8-93)
660-576-500	2	Methods of Terminating at Class 5 Direct Distance Dialing Offices for Terminal Balance Measurements AT&T document

Number	Issue	Subject	Number	Issue	Subject
<b>660-6 Trunk Maintenance — Testboard Locations</b>					
<b>General</b>					
660-600-010	2	Trouble Log for Combined Primary and Secondary Toll Testboards	■ Appendix 2AC	1	International DATAPHONE Digital Service — 56 KB/S and Subrate Digital Services
660-602-010	1	AOIT Test Frame — Routine Test Record — Form E-4323	■ Appendix 3AC	1	SKYNET International Digital Service — 56 KB/S and 1.544 MB/S Services
660-602-300	1	Use of the Automatic Outgoing Intertoll Test Frame	■ Appendix 4AC	1	Voice-Only Private Line Service Using Circuit Multiplication Systems
660-621-010	2	Classifying Distance Dialing Trouble Reports — DDD Service Bureaus (DDDSBs) and Data Service Bureaus (DSBs)	■ Appendix 5AC	1	Maintenance of Nonstandard International Leased Services
660-625-014	1	Trunk Performance Record Form E-5685	■ Appendix 6AC	1	ACCUNET Reserved 1.5 Service — International Video Teleconferencing
Addendum	1		660-630-311	1	Maintenance of International Record Carrier Circuits — Channels to Overseas Location — Private Line Services
660-625-300	3	Procedures for Reporting and Handling Service Reports on Toll Message Trunks, Private Lines and VF Circuits	660-630-312	2	International Services — Responsibilities and Trouble Locating Procedures for Circuits at Group and Supergroup Frequencies
660-625-500	3	Test of Reporting Trunks and Associated Equipment	■ 660-630-312AC	3	International Transmission Systems — Lineup and Maintenance of Groups and Supergroups Responsibilities for Trouble Location at Group and Supergroup Connector Points
<b>International</b>					
Addendum	1		■ Appendix 1AC	3	Maintenance Procedure — AT&T- C/COMSAT — Roaring Creek Earth Station
660-630-010	3	International Service Results	660-630-322	1	Emergency Restoration of Overseas Services
660-630-301	2	International Services — Plant Operations	660-630-350	4	Maintenance of Interzone International — Message Trunks
660-630-302	6	Identification of Offices Serving International Locations	660-638-500	1	Emergency Access Trunks at Class 1, 2, or 3 Toll Switching Offices
660-630-303	1	International Service — International Service Coordination Centers and International Network Management Centers	<b>Intertoll and Toll Connecting</b>		
660-630-310	4	International Service — Maintenance of Special and Transit Services	660-642-301	1	Trunk Maintenance — Test Board Locations — Testing and Sectionalizing IT and TC Trunks Using the Integrated or Intertoll Manual Test Frame and the Manual Test Frame Equipment With SMAS 3 in the Duit-Type Number 4 Crossbar Office
■ 660-630-310AC	6	International Services — Maintenance of Special Services — International ACCUNET® Reserved 1.5 Service — International DATAPHONE Digital Service — SKYNET® International Service — Maintenance of Transit Services			
■ Appendix 1AC	1	Analog Circuit Equalization and Parameter Limits, Data and Alternate Voice/Data Services			

Number	Issue	Subject
<b>660-8 Cable and Open-Wire Plant — Maintenance</b>		
<b>General</b>		
660-800-010	2	Toll Testboard Log for Open Wire and Cable Troubles
660-801-010	1	Toll Testboard Cable Records
660-802-010	1	Cable Trouble History — Testboard Record
660-803-010	1	Toll Cable Distance Records
660-804-010	1	Toll Cable Records — Facility Diagrams
660-805-010	1	Toll Testboard Cable Records — Constants and Corrections
Addendum	1	
660-806-100	2	Theory of Wheatstone Bridge Measurements and Line Fault Locations
660-806-500	1	Line Fault Location — Use of Wheatstone Bridges — KS-3011 and KS-5588
660-807-500	2	Faults — Open Wire and Cable — Voltmeter and Wheatstone Bridge — Testing Procedure
660-808-010	1	Gas Pressure Testing — History Record and Maintenance Summary — (Periodic Charging System)
Addendum	1	
660-809-500	1	Faults — Cable Under Gas Pressure — Wheatstone Bridge Measurements and Preparation of Pressure Graph

Number	Issue	Subject
<b>Line Fault Location</b>		
660-810-500	1	General Correction Methods
660-811-500	1	Correction for Office Cable, Toll Entrance and Intermediate Cable and Loading
660-812-500	1	Correction for Change in Gauge and Capacitance
660-813-500	1	Correction for Aerial and Underground Cable Temperature Differences
660-814-500	1	Correction for Transposed Cables
660-815-500	1	Supplementary Tests and Correction on Type J Carrier Lines
660-816-500	1	Correction for Cables Arranged for Type K Carrier
660-817-500	1	Test on Cable Pairs with Type N Carrier
660-818-300	1	Open Wire Breaks — Emergency Restoration of Facilities Using Covered Wire
Addendum	1	
660-819-500	2	Test Methods for Coaxial Cables
660-820-300	1	Reports of Lightning Damage to Toll Cables
660-822-300	1	Protector Drainage Installations on Open Wire and Toll Entrance Cable

**660-830 ACE (Automated Cable Expertise)**

① 660-830-001	4	User Manual
① 660-830-002	4	Installation Manual
① 660-830-003	4	A Short Cut to ACE

**Division 662****Cable and Local Test Desks And Local Test Cabinets****662-0 Indexes and General Information****662-1 Cable Test Desks****662-2 Local Test Cabinets****662-3 No.12 and No.13 Local Test Desks****662-4 Local Test Desks****662-5 Customer Line Verification and Tests Involving Carrier, Range Extenders, and ESS™ (Electronic Switching System)**

Number	Issue	Subject
<b>662-0 Indexes and General Information</b>		
662-000-000	94	Numerical Index — Division 662 — Cable and Local Test Desks and Local Test Cabinets
662-001-011	2	ETL
<b>662-1 Cable Test Desks</b>		
662-100-001	2	Test Voltage Power Supply — Description, Connection, and Maintenance
662-100-100	1	No. 2 and No. 3 — Description of Equipment
662-100-500	1	No. 2 and No. 3 — Operating and Testing Methods
<b>662-2 Local Test Cabinets</b>		
662-200-100	2	No. 1 — Description of Equipment
662-200-500	3	No. 1 — Operating and Testing Methods
662-201-100	1	No. 2 — Description of Equipment
662-201-500	1	No. 2 — Operating and Testing Methods
662-202-100	7	No. 3 — Description of Equipment

Number	Issue	Subject
662-202-500	8	No. 3 — Operating and Test Procedures

**662-3 No.12 and No.13 Local Test Desks**

662-300-101	1	12-Type — Descriptive Information
662-300-500	2	12-Type — Operation and Test Procedures
662-300-502	3	12-Type — Line Insulation Testing
662-300-503	1	12-Type — Wheatstone Bridge Tests
662-305-100	2	No. 13 — Description of Equipment
662-305-500	4	No. 13 — Method of Operation

**662-4 Local Test Desks****662-400 No. 14 (Local Test Desks)**

662-400-101	3	Descriptive Information
662-400-120	3	Console Test Position — Modified 14-Type — Descriptive Information
662-400-500	5	Testing Customer Lines — Operation and Test Procedures
662-400-501	7	Testing Customer Lines Using Remote Testing System — Operation and Test Procedures
662-400-502	4	Line Insulation Testing
662-400-503	1	Wheatstone Bridge Tests
662-400-504	3	Remote Testing System — Enhanced — Operation and Test Procedure
662-400-520	3	Console Test Position — Modified No. 14-Type — Operation and Test Procedure
662-400-524	2	Console Test Position — Modified No. 14-Type — Two- and Four-Wire Special Service Testing

**662-405 No. 15 — Picturephone (Local Test Desk)**

❶ 662-405-100	1	15A — Descriptive Information
❶ 662-405-101	1	Descriptive Information
❶ 662-405-500	1	15A — Operation and Test Procedure

Number	Issue	Subject	Number	Issue	Subject
● 662-405-501	1	Operation and Test Procedures	662-505-503	2	Customer Lines Equipped With SLM Subscriber Loop Multiplexer System—Testing Procedures
● 662-405-701	1	Equalizer Adjustment	662-505-504	1	Testing Customer Lines Equipped With Subscriber Loop Carrier 1 (SLC®-1) System
Addendum	1		662-505-505	3	SLC® 8 Subscriber Loop Carrier System — Testing Customer Lines
● 662-405-800	1	15A — Replacement Procedure — Test Units	662-505-506	2	Customer Lines Equipped With SLC-40 Subscriber Loop Carrier System — Testing Procedures Using J93016 — Remote Test System At Local Test Desks and Local Test Cabinets
● 662-405-801	1	15B — Replacement Procedures — Test Units	662-505-507	3	Local Test Desks and Local Test Cabinets — Testing and Trouble Shooting Customer Lines — SLC-96 Carrier System — Equipped With Pair Gain Test Controller
<b>662-410 No. 16 (Local Test Desk)</b>			662-506-500	2	Loop Switching System (LSS) — Testing Customer Lines — Repair Service Bureau/Maintenance Center
662-410-100	5	Descriptive Information	662-510-500	6	Testing Customer Lines Equipped With Range Extender
662-410-300	1	Maintenance	662-515-500	2	Operation and Test Procedures — 1 and 1A ESS™ Switching Equipment
Addendum	1		662-515-506	1	Repair Service Bureau — Analyzing and Interpreting Messages on the Automatic Line Insulation Test (ALIT) — Teletypewriter Channel — No. 1E5 Electronic System
662-410-500	5	No. 16 Test Desk — Operation and Test Procedure	662-515-507	1	No. 1 ESS — 1E6 Generic — Analyzing and Interpreting Messages — Repair Service Bureau/Maintenance Center
662-410-501	2	Subscriber Lines — Tests Using Remote Testing System	662-515-508	1	No. 1 ESS — 1E7 Generic — Analyzing and Interpreting Messages — Repair Service Bureau/Maintenance Center
662-410-502	1	16-Type — Line Insulation Testing	662-515-522	1	Repair Service Bureau — Analyzing and Interpreting Messages on the Automatic Line Insulating Test (ALIT) — Teletypewriter Channel — No. 1AE5 Electronic Switching System
662-410-504	3	Remote Testing System — Enhanced — Operation and Test Procedures			
662-410-505	1	Supervisor Console			
<b>662-5 Customer Line Verification and Tests Involving Carrier, Range Extenders, and ESS™</b>					
662-500-100	3	Line Status Verifier — Description			
662-500-300	4	Line Status Verifier — Maintenance			
662-500-500	3	Line Status Verifier — Operation			
662-502-500	2	Line Status Verifier — Line Condition Simulator — Description, Operation, and Maintenance			
662-502-501	1	Line Status Verifier — Supervisor Console — Operation			
662-502-502	1	Line Status Verifier — Attendant Training Simulator — Description, Operation, and Maintenance			
662-505-500	2	Testing Customer Lines Equipped With Carrier Systems			
662-505-501	1	Testing Customer Lines Equipped With U1 Carrier System			
662-505-502	1	Local Test Desks and Local Test Cabinets Testing Customer Lines Equipped With KS-20988 Multichannel Subscriber Carrier			



Number	Issue	Subject	Number	Issue	Subject
662-515-523	1	No. 1A ESS — 1AE6 Generic — Analyzing and Interpreting Messages — Repair Service Bureau/Maintenance Center	662-518-501	2	Repair Service Bureau/Maintenance Center — Analyzing and Interpreting Messages — No. 1 Electronic Switching System/No. 10A Remote Switching System — 1E6 Generic
662-515-524	1	No. 1A — 1AE7 Generic — Analyzing and Interpreting Messages — Repair Service Bureau/Maintenance Center	662-518-502	1	No. 1 Electronic Switching System/No. 10A Remote Switching System — 1E7 Generic — Analyzing and Interpreting Messages — Repair Service Bureau/Maintenance Center
662-516-500	3	Operation and Test Procedures — No. 2 and No. 2B Electronic Switching System	662-518-511	1	No. 1A Electronic Switching System/No. 10A Remote Switching System — 1AE6 Generic — Analyzing and Interpreting Messages — Repair Service Bureau/Maintenance Center
662-516-501	2	Repair Service Bureau — Analyzing and Interpreting Messages on the Automatic Line Insulation Test (ALIT) — Teletypewriter Channel — No. 2 and No. 2B Electronic Switching System	662-518-512	1	No. 1A — No. 10A Remote Switching System — 1AE7 Generic — Analyzing and Interpreting Messages — Repair Service Bureau/Maintenance Center
□ Addendum	1		662-518-520	1	No. 2B Electronic Switching System (ESS)/No. 10A Remote Switching System (RSS) — Operation and Test Procedures — Local Test Desk
662-516-502	2	Repair Service Bureau — Analyzing and Interpreting Messages on the Automatic Line Insulation Test (ALIT) — Teletypewriter Channel — No. 2 EF-2 and No. 2B EF2 Electronic Switching System	662-518-521	1	No. 2B Electronic Switching System — No. 10A Remote Switching System — 2BE3 Generic — Analyzing and Interpreting Messages — Repair Service Bureau/Maintenance Center
662-516-503	1	No. 2B Electronic Switching System — 2BE3 Generic Analyzing and Interpreting Messages — Repair Service Bureau/Maintenance Center	662-519-500	2	5ESS® Switching Equipment — Operation and Test Procedures — Local Test Desk
662-517-500	2	Operation and Test Procedures — No. 3 Electronic Switching System	662-519-501	1	No. 5 Electronic Switching System — 5E1 Generic — Analyzing and Interpreting Messages — Repair Service Bureau/Maintenance Center
662-517-501	2	Repair Service Bureau — Analyzing and Interpreting Messages on the Automatic Line Insulation Test (ALIT) — Teletypewriter Channel — No. 3 Electronic Switching System	662-520-500	3	150A Ringer Counter Test Set — Description, Operation, and Maintenance
662-517-502	1	Repair Service Bureau/Maintenance Management Center — Analyzing and Interpreting Messages on the Automatic Line Insulation Test (ALIT) — Teletypewriter Channel — No. 3 Electronic Switching System — 3E3	662-520-505	2	149-Type Test Set for Detection of Unauthorized Equipment — Description, Operation, and Maintenance
662-518-500	2	1 or 1A ESS™ Switching Equipment — No. 10A Remote Switching System — Operation and Test Procedures — Local Test Desk and Local Test Cabinet			

Number	Issue	Subject
Addendum	1	
662-525-300	2	Automated Repair Service Bureau — Status Entry Device — Maintenance
Addendum	1	
662-525-301	1	Automated Repair Service Bureau — Status Entry Service Multiplexer — Maintenance
662-525-500	2	Loop Maintenance Operations System — Status Entry Device and Status Entry Device Multi- plexer — Operational Considera- tions
662-526-300	2	Automated Repair Service Bureau — Equipped With Line Status Verifier — Line Status Ve- rifier — Interface Unit — Mainte- nance
662-526-502	1	Automated Repair Service Bureau — Processor Switch J1P023H — Description and Operation
662-527-300	1	Automated Repair Service Bureau — Equipped With Au- tomatic Line Verifier — Loop Testing Frame/Line Fault Detec- tor — Troubleshoot Fault
662-527-302	1	Automated Repair Service Bureau — Equipped With Mechanized Loop Testing — Loop Testing Frame/Mechanized Measurement Module — Troub- leshoot Fault
662-530-300	2	Automated Repair Service Bureau — Equipped With Line Status Verifier — Trouble Locat- ing Procedures
662-531-300	1	Automated Repair Service Bureau — Equipped With Au- tomatic Line Verifier — Trouble Locating Procedures
662-531-302	1	Automated Repair Service Bureau — Equipped With Mechanized Loop Testing — Trouble Locating Procedures

**Division 664****Testboards For Other Than Special Services**

**664-0 Indexes, Equipment Test Lists, and General Information**

**664-1 No. 17B Testboard — General**

**664-2 No. 17B Testboard — No. 5 Crossbar Offices**

**664-3 No. 17B Testboard — Lower Unit J63516E and Modified Lower Unit J63516D — Arranged for No. 5 Crossbar Offices**

**664-4 No. 17B Testboard — Lower Unit J63516E — Arranged for Toll Switching Crossbar Tandem Offices**

**664-5 No. 17C Testboard**

**664-6 No. 18B Testboard**

**664-7 Tandem Patching Bay**

**664-8 Testboards No. 23A and B**

Number	Issue	Subject
<b>664-0 Indexes, Equipment Test Lists, and General Information</b>		
664-000-000	23	Numerical Index — Division 664 — Testboards for Other Than Special Services
664-000-010	1	Testboards — Jack Field and Supplementary Designations
664-001-011	4	ETL
<b>664-1 No. 17B Testboard — General</b>		
664-100-100	1	Description and Operating Principles
664-100-500	1	Operating and Testing Methods
664-100-501	1	Cord, Position, Dial, and Keyset Circuits Using Test Circuit SD-55056-01 — Tests and Inspections
664-100-502	1	Cord, Position, Telephone, Dial and Keyset Circuit Tests — Using Test Circuit SD-61097-02 or SD-63971-01

Number	Issue	Subject
664-100-503	1	Patching Jack Board — Tests and Inspections
<b>664-2 No. 17B Testboard — No. 5 Crossbar Offices</b>		
664-200-500	1	Operating and Testing Methods
664-200-501	1	Testing and Patching Arrangements — Operating and Testing Methods
664-200-502	1	Dial Loop Test Trunk Circuit — Operating and Testing Methods
664-200-503	1	Testing Procedures Using E and M Supervision Test Trunk Circuit
664-200-504	1	Signal Test Panel Connecting Cord — Operating and Testing Methods
664-200-505	1	Dial Cord Circuit — Operating and Testing Methods
664-200-506	1	Probe Cord and Tone and Holding Trunk — Operating and Testing Methods
664-200-507	1	Lower Unit with No. 5 Crossbar Testing Facilities — Transmission and Noise Tests — Operating and Testing Methods

<b>664-3 No. 17B Testboard — Lower Unit J63516E and Modified Lower Unit J63516D — Arranged for No. 5 Crossbar Offices</b>		
664-300-500	1	Arranged for Toll Switching — No. 5 Crossbar Offices with or without No. 3-Type Switchboards — Operating and Testing Methods
664-300-501	1	Sleeve Supervision Test Circuits — Operating and Testing Methods
664-300-502	1	Reverse Battery — Loop Supervision Test Circuit — Operating and Testing Methods
664-300-503	1	Neon Lamp Signaling Test Circuit — Operating and Testing Methods
664-300-504	1	Dial Cord Circuit — Operating and Testing Methods
664-300-505	1	Tone and Holding Trunk Circuit — Operating and Testing Methods

Number	Issue	Subject	Number	Issue	Subject
664-300-506	1	Measurement of Wiring Losses to Determine Pad Values for Transmission Measuring Circuits	664-600-501	1	Lower Unit — Testing Methods in Nos. 1 and 2 Switchboard Offices and Nos. 1D, 9C, 9D, 10, 11 (Bridged Supervision) and 12 Offices
<b>664-4 No. 17B Testboard — Lower Unit J63516E — Arranged for Toll Switching Crossbar Tandem Offices</b>			664-600-502	1	Lower Unit — Testing Methods for Message Trunks in Decentralized DSA Switchboards or Crossbar Tandem Offices
Addendum	1		664-600-503	1	Lower Unit — Testing Methods for Message Trunks Serving Connecting Company Offices
664-400-500	1	Operating and Testing Methods	664-600-504	2	Cord and Key Pulsing Circuits — Continuity and Operations Tests — Using Test Circuit SD-63971-01 or SD-55056-01
664-400-501	2	Test Procedures — Reverse Battery Loop Supervision Test Cords	<b>664-7 Tandem Patching Bay</b>		
664-400-502	1	Test Procedures — Neon Lamp Signaling Test Circuit	664-710-100	1	For Spare Equipments and Patching Trunks for 4-Wire and 6-Wire VF Circuits
664-400-503	1	Tone and Holding Trunk Circuit for Trouble Tracing in 2-Wire Switching Offices — Operating and Testing Methods	<b>664-8 Testboards No. 23A and B</b>		
664-400-504	1	Test Procedures — Dial Cord Circuit	❶ 664-800-100	1	General Description
664-400-505	1	Arrangement for Measuring Losses to Determine Pad Values for Transmission Measuring Circuits	664-800-101	1	23B — General Description
664-400-506	4	Transmission and Noise Measurements — Message Trunks	❶ 664-800-300	1	23A — No. 5 Crossbar Offices — Arranged for Picturephone Service — Operating and Testing Methods
<b>664-5 No. 17C Testboard</b>			664-800-301	1	23B — No. 5 Crossbar Offices — Arranged for Picturephone Service — Operating and Testing Methods
664-500-010	2	Emergency Calls Requiring Plant Department Assistance	❶ 664-800-800	1	Arranged for Picturephone Service — Test Set Removal and Replacement Procedures
664-500-100	2	Description	664-800-801	1	23B — Arranged for Picturephone Service — Test Set Removal and Replacement Procedures
664-500-500	5	Operating and Testing Methods			
664-500-501	2	Measurement and Adjustment of Pads for the Transmission and Noise Measuring Circuit Per SD-95900-01			
664-500-502	1	Cord and Position Circuits Continuity Tests — Using Test Circuit SD-55534-01			
<b>664-6 No. 18B Testboard</b>					
664-600-100	1	Description and Operating Principles			
664-600-500	2	Lower Unit — Operation and Testing Methods in No. 3 or No. 11 (Sleeve Supervision) Switchboard Offices			

**Division 666****Testboards and Test Positions For Special Services****666-0 Index, Equipment Test List, and General Information**

-000 Indexes

-099 CIRs (Customer Information Releases)

**666-1 No. 2 and No. 9B Telegraph Serviceboards and No. 9 Telegraph Testboard****666-2 17E AND 19A Testboards**

-200 17E Testboard

-201 19A Testboard

**666-3 Telegraph, Toll, and Teletypewriter Testboards**

-300 10A Telegraph Testboard

-301 10B Telegraph Testboard

-302 10C Telegraph Testboard

303 17B Toll Testboard

-304 20A TWX\* (Teletypewriter Exchange Service)

**666-4 21A Testboard****666-5 Private Line Testboards**

-500 No. 22A Testboard — Switched Maintenance Access System No. 1A

-501 No. 22A Testboard — Manual Access Arrangement

-502 No. 22A and No. 24B Testboards

-511 Test of Data Services

-512 DATASPEED® Test System and Test Access Console

**666-6 Test Positions for Special Services**

-600 DDS (Digital Data System)

-610 SARTS 1A (Switched Access Remote Test System 1A)

-611 Processor Controllers - SARTS 1A

-612 Test Position 52A - SARTS

-615 RTS 5A (Remote Test System 5A) - SARTS

-616 RMS (Remote Measurement System)

-617 DATAPHONE® Test Center

**666-7 Test Procedures for Private Line Telegraph Switching Systems**

-700 SSO Marketing and Training

-702 Selective Calling Service STC (Serving Test Center)

Number Issue Subject

**666-0 Index, Equipment Test List, and General Information****666-000 Indexes**

666-000-000 38 Numerical Index — Division 666 — Testboards and Test Positions for Special Services

666-001-011 2 Toll Type Equipment — No. 2 and No. 9B Telegraph Serviceboard — No. 9 Telegraph Testboard — Testboards and Test Positions

**666-099 CIRs**

666-099-009TD 5 Remote Measurement System — Metallic (RMS-M1/M-Driver) Planning Guide, Operations Systems

666-099-018NP 2 Switches Access Remote Tests System (SARTS) AT-2 Feature, Operations Systems

666-099-034PS 1 SARTS Generic 2PC3 Feature — Automated SMAS Diagnostics, Operations Systems

666-099-035NP 1 SARTS (Switched access Remote Test System), Features — Enhanced SARTS and UAS (User Administration Subsystem), Operations Systems

666-099-036NP 2 SARTS 2PC3 GI-5 Billable Feature, Operations Systems

666-099-037NP 4 RMS-MS Planning Guide, Operations Systems

666-099-038NP 1 Flow through and Data Manager, Operations Systems

666-099-039NP 1 RMS-D1 Release 4 System Planning Guidelines, Operation Systems

666-099-040NP 1 RMS-D1 Release 5 System Planning Guidelines, Operation Systems

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Number	Issue	Subject	Number	Issue	Subject
666-099-041NP	1	SARTS Autotest — Digital (AT-D), Operations Systems	666-099-062TD	11/92	Switched Access Remote Test System (SARTS) GI-9.0/8.1 Implementation Planning Guide for VAX
666-099-042NP	1	SARTS 2PC3 G1-6 — Operations Systems	<b>666-1 No. 2 and No. 9B Telegraph Serviceboards and No. 9 Telegraph Testboard</b>		
666-099-043TD	1	SARTS/DATAKIT® UC5 Switched BISYNC Communications	666-100-100	3	No. 2 and 9B Telegraph Serviceboards Direct-Leg Arrangements — Description and Operating Principles
666-099-045NP	1	Switched Access Remote Test System (SARTS) Manager, Operations Systems	666-100-500	1	2-Way Station Test Line Circuit SD-70924- 01 — Tests — No. 2 or 9B Telegraph Serviceboard — No. 9 Telegraph Testboard
666-099-046TD	1	SARTS TA201:XL Translator — Operations Systems	666-100-501	1	Station Monitoring Test Line Circuit SD- 70925-01 — Tests — No. 2 or 9B Telegraph Serviceboard — No. 9 Telegraph Testboard
666-099-047NP	3	Remote Measurement System — DS1/DS1A (RMS-DS1/RMS-DS1A) Release 1, Operation Systems	666-100-502	1	2-Way Station Line Circuit SD-70926-01 — Tests — No. 2 or 9B Telegraph Serviceboard — No. 9 Telegraph Testboard
666-099-048IR	3	Remote Measurement System — DS1 (RMS-DS1), Operations System	666-100-503	1	Printer Service Position — No. 9 Telegraph Testboard
666-099-049TD	1	SARTS 2PC3 GI-5 Implementation Planning Guide	666-101-100	2	No. 2 Telegraph Serviceboard — Description and Operating Principles
666-099-050NP	1	SARTS 2PC3 GI-5 Billable Feature	666-101-500	1	No. 2 Telegraph Serviceboard — Operating and Testing Methods
666-099-051IR	2	Spares Exchange Service for RMS-D1, RMS-DS1, RMS-M and RMS-MS, Operations Systems	Addendum	1	
666-099-052NP	1	SARTS Analog AutoTest Features, Operations Systems	666-102-100	1	No. 9B Telegraph Serviceboard — Hub Operation
666-099-053NP	1	Switched Access Remote Test System SARTS Generic 2PC3 General Issue 6.1 Features	666-103-100	1	Voice Frequency Line Test Connector — Description and Operation
666-099-054TD	1	SARTS G16 Implementation Planning Guide, Operations Systems	666-103-101	1	Voice Frequency Line and Test Position — Description and Operation
666-099-055IR	1	SARTS/DATAKIT II VCS — x.25 Communications	<b>666-2 17E AND 19A TESTBOARDS</b>		
666-099-057TD	1	DATAKIT VCS for SARTS PC Communication Links, Operations Systems	<b>666-200 17E Testboard</b>		
666-099-058TD	1	Switched Access Remote Test System SARTS GI-6.1 Implementation Planning Guide	666-200-100	1	General Description
666-099-059TD	1	Switched Access Remote Test System SARTS GI-7.0 Implementation Planning Guide	666-200-300	1	Measurement and Adjustment of Pads for the Transmission Measuring Circuit
666-099-060NP	2/92	Remote Measurement System — RMS D1 Generic 6.0			
666-099-061NP	6/92	SARTS GI-7.1 Implementation and Planning Guide			
666-099-062NP	7/92	Switched Access Remote Test System Fault Tolerant SARTS FT Migration			

Number	Issue	Subject	Number	Issue	Subject
666-200-500	1	Measurement and Adjustment of Office Losses	<b>666-4 21A Testboard</b>		
666-200-501	4	Operational Tests	<b>666-400/410</b>		
<b>666-201 19A Testboard</b>			666-400-100	2	General Description
666-201-100	3	General Description	666-400-300	2	Measurement and Adjustment of Transmission Test Trunks
666-201-300	2	Measurement and Adjustment of Pads for the Transmission Measuring Circuit	666-400-500	1	Measurement of Office Losses
Addendum	1		666-400-501	2	Operational Tests
666-201-500	3	Operational Tests	❶ 666-400-502	1	21A Testboard — Multiaddress Bridge — Tests — AUTOVON Network
666-201-501	2	Measurement of Office Losses	666-410-100	1	Mobile Voice-Frequency (VF) — Transmission Test Cabinet — Description
666-201-504	1	Multilevel Preemption Tests — Autovon Network	666-410-500	1	Mobile Voice Frequency (VF) — Transmission Test Cabinet — Operational Tests
<b>666-3 Telegraph, Toll, and Teletypewriter Testboards</b>					
<b>666-300 10A Telegraph Testboard</b>			<b>666-5 Private Line Testboards</b>		
666-300-100	1	Description of Equipment	<b>666-500 No. 22A Testboard — Switched Maintenance Access System No. 1A</b>		
666-300-500	1	Operating and Testing Methods	Addendum	1	
666-300-501	2	Operation Tests	666-500-100	2	Description
<b>666-301 10B Telegraph Testboard</b>			666-500-500	2	Operational Test
666-301-100	1	Description of Equipment	666-500-501	2	Use of Signaling and Transmission Equipment — Restoral Circuit
Addendum	1		<b>666-501 No. 22A Testboard — Manual Access Arrangement</b>		
❶ 666-301-500	2	Method of Operation	666-501-100	1	Description
666-301-501	1	Operation Tests	666-501-500	1	Operational Tests
<b>666-302 10C Telegraph Testboard</b>			<b>666-502 No. 24A and No. 24B Testboards</b>		
666-302-100	1	Description of Equipment	666-502-100	2	Description
666-302-500	1	Method of Operation	666-502-500	2	Operational Tests
666-302-501	2	Operation Tests	<b>666-511 Test of Data Services</b>		
<b>666-303 17B Toll Testboard</b>			666-511-501	2	Provided by Data Set 201C From a Private Line Test Room
666-303-500	2	Arranged for Testing TWX Trunks — 2- Wire Switching No. 5 Crossbar Offices	666-511-502	1	Provided by Data Set 202T From a Private Line Test Room
<b>666-304 20A TWX</b>			666-511-503	2	Provided by Data Set 208A-Type From a Private Line Test Room
666-304-100	2	Description and Operating Principles			
666-304-500	2	Operating Procedures			

Number	Issue	Subject	Number	Issue	Subject
666-511-504	1	Provided by Data Set 209A-L1 From a Private Line Test Room	666-610-300	3	Maintenance Methods
<b>666-512 DATASPEED® Test System and Test Access Console</b>			666-610-301	2	Automated Traffic Data Collection and Analysis Feature — Central Office Equipment Reports Processing and Reporting
666-512-100	1	Description and Operation	666-610-501	8	RTS 5A (Remote Test System 5A) — Acceptance and Maintenance Tests
666-512-101	1	Maintenance and Tests	666-610-502	2	RTS 5A (Remote Test System 5A) — Automated Acceptance and Maintenance Tests
666-512-102	1	Remote Test Access Unit — Description and Operation	<b>666-611 Processor Controllers — SARTS 1A</b>		
666-512-103	1	Remote Test Access Unit — Maintenance and Tests	666-611-110	2	No. 2 PC — General Description
<b>666-6 Test Positions for Special Services</b>			666-611-130	2	No. 2 PC (No. 2 Process Controller) — Generic 2PC3 — General Description
<b>666-600 DDS</b>			666-611-132	2	No. 2 PC — Operating Instructions
666-600-100	2	950A Testboard (J70176A and B) — Description and Operation	666-611-133	1	CP (Communications Processor) — General Configuration Description
666-600-101	2	Switched DDS — 950B Testboard (J70176C) — Description and Operation	666-611-134	4	SARTS TA201:XL — Administrator's Manual (8-93)
666-600-300	2	950A Testboard (J70176A and B) — Maintenance Procedures	666-611-140	1	No. 2 PC Generic 2PC3B — General Description
666-600-301	2	Switched DDS — 950B Testboard (J70176C) — Maintenance Procedures	■ 666-611-142	1	SARTS 2PC3B Operating Instructions
666-600-500	2	950A Testboard (J70176A and B) — Inspection and Maintenance — Tests	666-611-143	10	SARTS — Administrator's Manual (5-94)
666-600-501	2	Switched DDS — 950B Testboard (J70176C) — Inspection and Maintenance — Tests	666-611-144	2	SARTS (Star Server™ FT) — Administrator's Manual (6-93)
<b>666-610 SARTS 1A (Switched Access Remote Test System 1A)</b>			666-611-145	4	Flowthrough Data Manager (FTDM) Generic 3.1 — User Guide (2 vols.) (12-93)
666-610-100	15	SARTS No. 2PC3 General Description (6-93)	■ 666-611-150AI	2	SARTS (StarServer FT) International Administration Manual
666-610-101	5	Interconnections and Communications — Description	■ Addendum	1	
666-610-102	7	Command and Display Description	■ 666-611-154	1	SARTS Administrator's Manual (Singapore) (11-93)
666-610-105	1	DIGITEST — User's Manual	■ 666-611-155	1	SARTS Administrator's Manual (Thailand) (1-94)
666-610-106	1	DIGITEST — Administrator's Manual	666-611-210	2	SARTS Deployment SMAS Implementation (6-92)
666-610-111	2	Interconnections and Communications — Description	666-611-211	1	SARTS GTE CNAS (Circuit Network Administration System) Access Point Database Update Procedures
666-610-120	2	Switched Access Remote Test System (SARTS) — General Description (6-93)	■ 666-611-245	1	FTDM User's Guide for Pactel (3-91)





	Number	Issue	Subject
①	666-617-102	1	DATAPHONE Multiplex System Using 1200-Type Data — Multiplexer- Administrative Procedures
	666-617-104	2	DATAPHONE II Data Communication Service — Administrative Methods

**666-7 Test Procedures for Private Line Telegraph Switching Systems**

**666-702 Selective Calling Service — STC**

666-702-500	1	85A-Type Data
666-702-501	1	86A-Type Data
Addendum	1	
666-702-502	1	86B-Type Data
666-702-503	2	9131 Teletypewriter

**Division 667****Switched Maintenance Access and Servicing Systems****667-0 Index and General Information****-097 All CIRs (Customer Information Releases) Except AT&T-C****-099 General Distribution CIRs****667-1 SMAS (Switched Maintenance Access Systems) No. 1A****667-2 SMAS No. 2A****667-3 SMAS****-301 No. 3A, 3B, and 3C****-302 No. 4A****-303 No. 5A and 5B****667-4 SASSY (Switched Access Servicing System)****-400 SASSY****667-5 RMS-DAU — (Remote Measurement System — Digital Access Unit)****-500 RMS-DAU**

Number	Issue	Subject
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**667-0 Index and General Information**

667-000-000	56	Numerical Index — Division 667 — Maintenance Access Systems
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667-000-001	4	Access Point Information
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**234-097 ALL Customer Information Releases (CIRs) Except AT&T-C****667-1 SMAS NO. 1A**

667-101-100	1	Description
667-101-101	1	Switching, Control, and Maintenance Panel Circuits — Description
667-101-300	1	Maintenance Panel and Trouble Indicator

Number	Issue	Subject
<b>667-2 SMAS NO. 2A</b>		
667-201-100	1	Description
667-201-300	2	Measurement and Adjustment of Buildout Pads and Amplifiers
667-201-500	1	Tests
<b>667-3 SMAS</b>		
<b>667-301 No. 3A, 3B, and 3C</b>		
667-301-100	1	Description
667-301-108	1	Common Systems — Voice-Frequency Transmission — CMS Interface Register Bank Circuit — Description and Operation
667-301-300	1	Maintenance Considerations
667-301-310	1	Manual Access Panel — Operating Procedure
667-301-311	1	Type 2 Nonmetallic Manual Access Panel J98622AR and Communication Panel J98626AA — Method of Operation
667-301-312	1	Type 2 Metallic Manual Access Panel J98622AS and Type 2B Metallic Manual Access Panel J98622BP — Method of Operation
667-301-313	1	Type 2BX Nonmetallic Manual Access Panel J98622AU and Communication Panel J98626AA — Method of Operation
667-301-314	1	Type 2BX Metallic Manual Access Panel J98622BN — Method of Operation
667-301-320	1	Maintenance Line Control Panel — Operating Procedures
667-301-321	1	Maintenance Line Control Panel in the Manual Test Frame and the Integrated or Intertoll Manual Test Frame — Operating Procedures
Addendum	1	
667-301-330	1	Amplifier and Pad Adjustment
667-301-500	1	Overall System Tests
667-301-501	1	Maintenance Connector (J98622AA-1) and Manual Access Panel (J98622AD-1) Test
667-301-502	1	Common Control and Concentrator — Tests

Number	Issue	Subject
667-301-503	1	Test Maintenance Line Tests
667-301-504	1	Maintenance Line Tests
667-301-505	1	Register and Register Concentrator — Tests
667-301-506	1	Type 2 Nonmetallic Maintenance Connector J98622AN, Type 2 Nonmetallic Manual Access Panel J98622AR and Communication Panel J98626AA
Addendum	1	
667-301-507	1	Maintenance Line Control Panel in the Manual Test Frame and the Integrated or Intertoll Manual Test Frame
667-301-508	1	Common Systems — Voice-Frequency Transmission — CMS Interface Register Bank Circuit — Tests
667-301-509	1	Type 2 Metallic Maintenance Connector J98622AP, Type 2B Metallic Maintenance Connector J98622BM, Type 2 Metallic Manual Access Panel J98622AS, and Type 2B Metallic Manual Access Panel J98622BP — Tests
667-301-510	1	Type 2BX Nonmetallic Maintenance Connector J98622BK, Type 2BX Nonmetallic Manual Access Panel J98622AU, and Communication Panel J98626AA — Tests
667-301-511	1	Type 2BX Metallic Maintenance Connector J98622BK and Type 2BX Metallic Manual Access Panel J98622BN — Tests

**667-302 No. 4A**

667-302-101	2	Local Access Test Port — Description
667-302-110	3	Description
667-302-501	3	Local Access Test Port — Tests
667-302-510	2	Tests

**667-303 No. 5A and 5B**

667-303-100	1	No. 5A (SMAS-5A) — Description
667-303-101	2	Local Test Port — Description and Operation

Number	Issue	Subject
667-303-103	6	System Tests
667-303-111	2	Jack, Key, and Lamp Access Panel — Description and Operation
667-303-112	1	Digital Test Access Connector (DTAC) — Description and Operation

**667-4 SASSY (Switched Access Servicing System)**

**667-400 SASSY**

■ 667-400-001AC	3	User Document
■ Appendix 1AC	3	Report A8281 — Field Descriptions
■ Appendix 2AC	3	Report A8282 — Field Descriptions
■ Appendix 3AC	3	Report A8283 — Field Descriptions
■ Appendix 4AC	3	Report A8284 — Field Descriptions
■ Appendix 5AC	3	Report A8285 — Field Descriptions
■ Appendix 6AC	3	Report A8286 — Field Descriptions
■ Appendix 7AC	3	Report A8287 — Field Descriptions
■ Appendix 8AC	3	Report A8288 — Field Descriptions
■ Appendix 9AC	3	Report A8289 — Field Descriptions
■ Appendix 10AC	3	Report A8290 — Field Descriptions

**667-5 RMS-DAU**

**667-500 RMS-DAU**

□ 667-500-010	1	Administrators Guide
□ 667-500-011	1	FAP (Facility Access Port) Installation Booklet

**Division 668****Data Test Centers****668-0 Indexes, Equipment Test Lists, and General Information****668-1 904A, B, C, and D Data Test Centers****668-2 904E Data Test Center****668-3 Supplementary 904-Type Data Test Centers****668-4 904G-, H-, and L-Type Data Test Centers****668-6 Automatic Data Test System**

Number	Issue	Subject
<b>668-0 Indexes, Equipment Test Lists, and General Information</b>		
668-000-000	92	Numerical Index — Division 668 — Data Test Centers
668-000-500	7	904A, B, C, and D Data Test Center — Inspection and Maintenance Tests
Addendum	1	
668-001-011	1	ETL

**668-010 DATAPHONE® Service on DDD**

668-010-300	2	Data Systems — DATAPHONE® Service and Other Data Services on the Direct Distance Dialing Network — Trouble Analysis Procedures
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**668-1 904A, B, C, and D Data Test Centers**

668-100-100	7	904A-, B-, C-, and D-Types — Description
668-100-500	4	904A- and 904C-Types — Operation
668-100-501	6	904B- and 904D-Type — Operation
668-101-500	3	904A- and 904C-Types — Test Procedures — Data Set 103A-Type — Loop-Back Test

Number	Issue	Subject
668-101-501	2	904A- and 904C-Types — Test Procedure — Data Set 103B Loop-Back Test
668-101-502	3	904A- and 904C-Type — Test Procedure — Data Set 103F-Type Loop-Back Test
668-101-503	4	904A- and 904C-Types — Test Procedure — Data Sets 103A3, 103E-, 103G-, and 103H-Types — Loop-Back Test
668-101-504	1	904A/C and 904B/D Data Test Centers — Test Procedures — Data Set 103J-Type
668-101-510	1	904A- and 904C-Type — Test Procedure — Data Sets 108A- and 108C-Types — Loop-Back Test
668-101-511	3	904A/C and 904B/D — Test Procedure — Data Set 113A-Type — Loop-Back Test
668-101-512	1	904A- and 904C-Type Test Procedure — Data Set 112A-Type Loop-Back Test
668-101-513	1	904A- and 904C-Type — Test Procedure — Data Set 113B-L1 — Loop-Back Test
668-101-514	1	904A/C and 904B/D Data Test Centers — Test Procedures — Data Set 113C-Type
668-101-515	1	904A/C and 904B/D Data Test Centers — Test Procedures — Data Set 113D-Type

**668-102 904A, B, C, and D Data Test Centers**

668-102-500	4	904B- and 904D-Types — Test Procedure — Data Sets 201A- and 201B-Types — Dynamic Test
668-102-501	1	904A/C and 904B/D Test Procedures — Data Set 201C-Type
668-102-510	3	904B and 904D Types — Test Procedure — Data Sets 202A and 202B — Dynamic Test
668-102-511	1	904A- and 904C-Types — Test Procedure — Data Set 202A and 202B Loop-Back Test
668-102-512	5	904A/B and 904C/D — Test Procedure — Data Sets 202C- and 202D-Types — Loop-Back and Dynamic Tests

Number	Issue	Subject	Number	Issue	Subject
668-102-513	4	904A/B and 904C/D Test Procedure — Data Set 202E-Type — Loop-Back and Dynamic Tests	668-104-505	4	904A- and 904C-Type — Test Procedures — Data Set 401J-Type Loop-Back and End-to-DTC Interface Test
668-102-515	1	904A- and 904C-Type — Test Procedure — Data Set 202G — Loop-Back Test	668-104-507	2	904A- and 904C-Types — Test Procedures — Data Set 401L-Type
668-102-517	3	904A/B and 904C/D — Test Procedures — Data Set 202R — Loopback and Dynamic Tests	668-104-508	2	904A- and 904C-Types Test Procedure — Data Set 401M-Type — Loop-Back and Interface Tests
668-102-519	4	Data Test Centers — 904A/C and 904B/D — Test Procedures — Data Set 202S	668-104-520	2	904A- and 904C-Types — Test Procedure — Data Set 402A Semi-Dynamic Test
668-102-520	1	Test Procedures — Data Set 202T-Type	668-104-521	2	904A- and 904C-Types — Test Procedure — Data Set 402B
668-102-540	2	904C- and 904D-Types — Test Procedures — Data Set 205B-Type — Loopback Tests	668-104-522	5	904A- and 903C-Types — Test Procedure — Data Set 402C-Type — Loopback and Dynamic Tests
668-102-541	2	904C and 904D-Types — Test Procedures — Data Set 205C-Type — Loopback Test	668-104-523	3	904A- and 904C-Types — Test Procedure — Data Set 402D-Type
668-102-550	1	Test Procedures — Data Set 208A-Type	668-104-530	2	904A- and 904C-Types — Test Procedure — Data Set 403A Loop-Back Test
668-102-551	2	904A/B and 904C/D Data Test Centers — Test Procedures — Data Set 208B-L1	Addendum	1	
668-102-552	1	904A/B and 904B/D Data Test Centers — Test Procedures — 209A-Type Data Set	668-104-531	4	904A- and 904C-Types — Test Procedure — Data Sets 403D9, 10, 11, and 12, and 403E5 and 6
668-102-555	2	904A/C and 904B/D — Test Procedures Data Set 212A	668-104-532	2	904A- and 904C-Types — Test Procedure — Data Sets 403D13 and 14, and 403E7 Loop-Back Tests
<b>668-104 904A, B, C, and D Data Test Centers</b>					
Addendum	1		668-104-535	1	904A- and 904C-Types — Test Procedures — Data Set 404B1 — Loop-Back Test
668-104-500	3	904A- and 904C-Types — Test Procedure — Data Set 401A — Remote Test	668-104-540	3	407-Type Multiple Data Station Arrangement — Loopback Test
668-104-501	3	904A- and 904C-Types — Test Procedures — Data Set 401B	668-104-590	1	904A- and 904C-Type — Test Procedure — Data Stations Equipped With 12 Button Touch-tone Dials
Addendum	1		<b>668-106 Data Test Center 904A- and 904C-Type</b>		
668-104-502	2	904A- and 904C-Types — Test Procedure — Data Set 401E	668-106-500	2	Test Procedure — Data Sets 601A and 601B
668-104-503	3	904A- and 904C-Type — Test Procedure — Data Set 401F — Loop-Back Test	668-106-505	5	Test Procedures — Data Set 602A- and 602C-Types
668-104-504	4	904A and 904C-Types — Test Procedure — Data Set 401H-Type			

Number	Issue	Subject	Number	Issue	Subject
668-106-506	1	Test Procedures — Data Set 602D-Type — Loop-Back Test	668-125-503	1	Synchronous DATASPEED 40 Station Using Binary Synchronous Line Control Protocol — Test Procedures Using a DATASPEED Test Position
668-106-510	2	Test Procedure — Data Set 603A Loop- Back Test			
668-106-511	2	Test Procedure — Data Set 603B	□ 668-125-504	1	DATASPEED 40/4 4540 Test Procedures Using a 18388 Test Set Generator (TSG 40/4)
668-106-512	1	Test Procedure — Data Set 603D Loop- Back Test	□ 668-125-507	1	Synchronous DATASPEED 40/4 — Direct Distant Dialed — Single Display Station — BSC Protocol — Testing Using Pacer M-103 LB1/2 Data Line Monitor/Simulator
● 668-106-515	2	Test Procedure — Data Set 604A-Type			
● 668-106-516	2	Test Procedure — Data Set 604B-Type			
668-108-500	3	Test Procedure — Data Auxiliary Set 801A- Type	668-125-509	2	Integrated Synchronous DATASPEED 40 Receive-Only — Printer Station Testing Using Pacer M103-LB1 or LB2 Test Set
668-108-501	3	Test Procedures — 801CR-Type and 801C List-Type Data Auxiliary Sets			
668-108-510	3	Test Procedure — Data Auxiliary Set 806A- Type	□ 668-125-510	1	DATASPEED 4540 Printer Line Display Station for ADCCP System Applications Testing — Using Pacer M-103-L3 V2 Data Line Monitor/Simulator
668-110-500	1	Test Procedure for Data Access Arrangements			
668-120-500	2	904B- and 904D-Types — Test Procedure — Type 1 and 2 DATASPEED® Tape Sender — Dynamic Test	668-125-511	1	Synchronous DATASPEED 40/4 — 4540 BI-SYNC — Test Procedures (/4ATC4 and /4ETC4) Using Pacer-103, LB1/2 Data Line Monitor/Simulator
668-120-501	3	904B- and 904D-Types Test Procedure — Type 5 DATASPEED Tape Senders	668-126-500	1	2510/2511 CDT Private Line — BISP Stations — STC/DTC Test Procedures — Using DATASPEED 40 Test Position
668-120-502	1	DATASPEED 2A Tape Sender Station — Test Procedures Using DATASPEED 40 Test Set	668-127-500	1	DATASPEED RO Page Printer — Switched Network Service — Test Procedures — Using DATASPEED 40 Test Position
668-121-500	1	904B- and 904D-Types — Test Procedure — DATASPEED Tape Receiver Unit — Dynamic Test	668-130-500	1	43 Teleprinter — Basic KSR for DATAPHONE Service Testing and Diagnostic Procedures
668-121-501	1	Test Procedure — Type 5 DATASPEED Tape Receiver	668-130-501	1	43 Teleprinter 8-Level Buffered Send/Receive (BSR) — Station Testing Using DATASPEED 40 Test Position
668-121-502	1	2B Tape Receiver Station — Test Procedures Using DATASPEED 40 Test Set	668-130-502	1	The 43 Basic Teleprinter (ASCII) with Selective Calling Feature for Private Line Applications Testing — Using DATASPEED 40 Test Position
668-122-500	1	DATASPEED 4210 Magnetic Tape Terminal — Test Procedures — Using DATASPEED 40 Test Position			
668-125-500	1	DATASPEED 40 Switched Network Service — Test Procedures Using DATASPEED Test Position			
668-125-502	1	DATASPEED 40 With 9140 Station Controller — Test Procedures — Using DATASPEED 40 Test Position			

Number	Issue	Subject	Number	Issue	Subject
668-130-503	1	The 43 Basic Teleprinter (ASCII) With Selective Calling Feature for Private Line Applications Testing — Using Pacer-103 — LB1/2 Data Line Monitor/Simulator	668-301-101	1	DATAPHONE® II Service Testing — Signal Quality Interpretation Performance Maintenance Operations Control Centers
668-130-504	1	43 Teleprinter 8-Level Buffered Selective Calling (BSC) — Station Testing Using DATASPEED® 40 Test Position	❶ 668-301-500	1	DATAPHONE II Service Test Position — Test Procedures
668-130-505	2	43 Teleprinter 5-Level Buffered Selective Calling (BSC) Station Testing Using 921A Data Test Set or 28-Type KSR or TEKTRONIX* Model — 834 Data Communications Tester	❶ 668-302-500	2	Use of 904F Position With 904C and 904D Data Test Centers — Test Procedures — Data Set 207-Type — Loop-Back — Dynamic Tests
668-140-500	1	COMM-STOR† II Communications Storage Unit — Remote Test Procedures	❶ 668-302-501	1	Use of 904F Position With 904C and 904D Data Test Centers — Test Procedures — Data Set 205B-Types — Loop-Back — Dynamic Tests
668-140-501	1	COMM-STOR II Communications Storage Unit — Equipped With 8A1/8B1 Protocol Option — Remote Testing Procedures	❶ 668-302-502	1	Use of 904F Position With 904C and 904D Data Test Centers — Test Procedures — Data Set 205C-Type — Loop-Back — Dynamic Tests
668-140-503	1	Line Control Unit (LCU) — Remote Test Procedures — COMM-STOR II Communications Storage Unit	<b>668-4 904G-, H-, and L-Type Data Test Centers</b>		
<b>668-2 904E Data Test Center</b>			668-400-100	5	Description and Operation
668-200-500	1	Operation	668-400-500	4	Inspection and Maintenance Tests
668-200-501	1	Inspection and Maintenance Tests	668-400-501	1	Station Tests
668-202-500	1	Test Procedure — Data Set 205A — Loop- Back Test	668-400-502	1	Test Procedures — Data Set 103J
668-204-500	1	Test Procedure — Data Set 404A — Loop- Back Test	668-400-503	1	Test Procedures, Data Set 113C
❶ 668-206-500	2	Test Procedures — Data Set 602B-Type	668-400-504	1	Test Procedures — Data Set 113D
<b>668-3 Supplementary 904-Type Data Test Centers</b>			668-400-505	1	Test Procedures, Data Sets 108F and 108H
668-300-100	1	Description	668-400-506	1	Test Procedures, Data Sets 108G and 108J
			668-400-507	1	Test Procedures, Data Sets 212A
			668-400-508	1	Test Procedures — 407C Multiple Data Station
			668-400-509	1	Test Procedures — 1A Transaction Telephone Test Line Station

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Number	Issue	Subject
<b>668-6 Automatic Data Test System (ADTS)</b>		
668-600-100	3	J1P005 — Description
668-600-101	3	J1P005 — Operation From Local Terminals
668-600-102	3	J1P005 — Operation From a Remote Terminal
668-600-190	1	Engineering and Implementation Method System
668-600-300	4	J1P005 — Maintenance
668-600-500	4	J1P005 — Operating Procedures
668-600-501	3	J1P005 — Off-Line Maintenance Procedures
668-600-502	3	J1P005 — Automatic Voice Answer-Data Test (AVA-DT) — Maintenance Procedures

**Division 680**

**Loop Assignment Distribution Service**

**680-0 Indexes and General Information**

**680-1 Assignment Records**

**680-2 Exchange Cable and Wire Records**

**680-3 Construction Plans**

**680-4 Telephone Set Field Inventory Controls**

**680-5 Service Order Assignments and Procedures**

**680-8 Other Plant Assignment Methods and Procedures**

Number	Issue	Subject
680-100-016	1	Facility Locations Record — Community Dial Office Areas
680-105-010	4	Dedicated Plant Assignment Card — Description and Use — Loop Assignment
680-105-015	2	Talk Pair, Talk Circuit, and Order Wire — Establishment and Administration
680-105-020	1	Dedicated Outside Plant 1A Line Concentrator Administration
680-120-010	2	Miscellaneous Central Offices Facilities Record — Description and Use — Loop Assignment
680-120-013	1	Tie Cable Pair Administration
680-122-010	4	Customer Loop Bridge Lifters — Application and Administration — Loop Assignment Center
Addendum	1	
680-124-010	1	PBX Switchboard Card Record

Number Issue Subject

**680-0 Indexes and General Information**

680-000-000	99	Numerical Index — Division 680 — Loop Assignment — Distribution Service
680-000-005	1	Alphabetical Index — Plant Assignment — Divisions 680 Through 689
680-000-100	1	Filing Equipment and Filing Arrangements
680-000-101	3	Abbreviations and Codes — Definition and Use — Loop Assignment

**680-1 Assignment Records**

680-100-010	3	Terminal Assignment Record — General
680-100-011	2	Terminal Assignment Record — Street, Block, and Alley Distribution
680-100-012	2	Terminal Assignment Record — Building Distribution
680-100-013	2	Terminal Assignment Record — Exchange Wire Distribution
680-100-014	2	Facility Locations Record for Un-numbered Houses or Buildings
680-100-015	3	Assignment Record Discrepancies Investigation

**680-2 Exchange Cable and Wire Records**

680-200-010	2	Subscriber Cable Record
680-201-010	7	Exchange Customer Cable Record (ECCR) — General
680-201-011	2	Exchange Subscriber Cable Record — Line Concentrators
680-201-013	4	Cable Pressure Contactors (CPC) — Remote Air Dryer Equipment Alarm (ADE) — Cable Pressure Transducer (CPT) — Assignment Records and Procedures
680-201-014	1	Exchange Subscriber Cable Record — Assignments in PIC Cable
680-201-016	4	Administration SLC® 8 Subscriber Loop Carrier System and Similar General Trade Systems — Loop Assignment Center
680-201-017	1	Subscriber Loop Multiplexer (SLM) — Assignment Center Procedures
680-201-018	3	Digital SLC 40 Subscriber Loop Carrier System — Description and Administration — Loop Assignment
680-201-019	1	Subscriber Loop Carrier 1 (SLC 1) System — Assignment Office Procedures

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		680-300-014	2	Construction Plans — Access or Control Point Work Sheet
680-201-020	2	SLC 96 Subscriber Loop Carrier System — General Description and Administration — Loop Assignment	<b>680-4 Telephone Set Field Inventory Controls</b>		
680-201-021	2	Administration — Loop Switching System (LSS) — Loop Assignment Center	680-400-010	4	Index
Addendum	1		680-400-011	4	Introduction
680-201-022	1	No. 10A Remote Switching System (RSS) — Description and Administration	680-400-012	4	Administrative Control Reports
Addendum	1		680-400-013	4	Plant Left-In Record
680-201-030	1	Cable Pressure Monitoring System (CPMS) — Assignment Office Administration	680-400-015	2	Field Forces Procedure for Telephone Set Removal
680-202-010	1	Telephone Answering Systems — Description and Administration — Loop Assignment Center	680-400-016	2	Daily Control of Outward Telephone Sets — Form E-5055
680-207-010	2	Checking Cable Pair Records	680-400-017	2	Exception Reports — Forms E-5592 and E-5054
680-220-010	2	Exchange Wire Record — General	680-400-018	2	Telephone Sets Loaned or Preinstalled
680-220-011	2	Exchange Wire Record — Preparation	680-400-019	1	Identifying Shipments, Return, and Transfers at the Plant Service Center Area Level
680-220-012	2	Exchange Wire Record — Work Sheets	680-400-020	1	Preparation for and Checking of Field Inventories of Station Apparatus
680-220-013	2	Exchange Wire Record — Protection	680-400-021	1	Inventorizing Station Apparatus in Field Stock
680-220-014	1	Exchange Wire Record — Lead and Pole Numbering	680-400-022	1	Reporting and Investigating Differences Between Material Ordered and Received
680-220-015	1	Exchange Wire Record — M1 Carrier	680-400-023	1	Leading Demand Procedures
680-220-016	1	Exchange Wire Record — Placing, Removing and Rearranging Wire	680-400-024	1	Designed Truckload Procedures
<b>680-3 Construction Plans</b>			<b>680-5 Service Order Assignments and Procedures</b>		
680-300-010	3	Engineering Work Orders — General	Addendum	1	
680-300-011	3	Engineering Work Orders — Processing and Recording — Loop Assignment	680-500-010	1	Assignments on Service Orders, Transfers, Etc. in Crossbar Dial Offices
680-300-012	3	Cable Transfers — Preparation and Processing — Loop Assignment Conventional and Photocopy Methods	680-500-014	1	Advance Wiring of Equipment in Electromechanical Central Offices
680-300-013	2	Construction Plans — Line or Station Transfers	680-511-010	1	Wide Area Telecommunication Service (WATS) Assignment Procedures
			680-515-010	1	Community Antenna Television (CATV) — Distribution Systems — Description and Assignment Procedures
			680-520-010	3	Special Services — Administration and Protection — Loop Assignment Center

Number	Issue	Subject	Number	Issue	Subject
680-520-011	1	Special Service Protection and Special Safeguarding Measures — Service and Work Order Administrative Requirements	680-536-101	2	3 ESS Switch Service Order Procedures Using the Service Order Teletypewriter (Generic Program SO-2)
680-520-012	1	Special Service Orders Provisioning Intervals and Measurements	680-536-102	1	3 ESS Switch Service Order Procedures Using the Service Order Teletypewriter (Generic Program 3E3)
680-530-010	3	Preparation of Station Number Cards in Assignment Offices	680-536-201	1	5ESS® Switch — 5E1(2).1 and Later Generic Programs
680-535-009	1	1 ESS™ Switch — Short Jumper Assignment for Modular Main Distributing Frames	680-537-010	2	Unigauge Designed Plant — Assignment Procedures
680-535-013	6	1 ESS Switch Service Order Recent Change Procedures — (1E3, 1E4, and 1E5 Generic Programs) — 2-Wire	Addendum	1	
680-535-019	5	1/1A ESS Switches Service Order Recent Change Messages (Through 1E7/1AE7 Programs) — General Information and Administrative Procedures — 2-Wire	680-537-011	1	Concentrated Range Extension With Gain (CREG) — System Design for Outside Plant — Loop Assignment Center Procedures
680-535-020	6	1/1A ESS Switches Order Verification Messages — Description (Through 1E7 and 1AE7 Generic Programs) — 2-Wire	Addendum	1	
680-535-021	6	1/1A ESS Switches Service Order — System Acknowledgment and Error Messages (Through 1E7 and 1AE7 Generic Programs) — Description — 2-Wire	680-538-010	3	Serving Area Concept and Serving Area Interface — Description and Work Operations
680-535-022	3	1/1A ESS Switches Service Order RC Formats — 1E6 and 1E7 or 1AE6 and 1AE7 Generic Programs — 2-Wire	680-538-011	2	Rural Area Network Design (RAND) — General Description and Administration Loop Assignment
680-535-023	1	1/1A ESS Switches Service Order Recent Change — Major Feature Examples — 2-Wire	680-539-010	1	PICTUREPHONE Service
680-535-024	2	1/1A ESS Switches Service Order — Examples — 1E6 and 1E7 or 1AE6 and 1AE7 Generic Programs — 2-Wire	680-540-010	2	Outside Plant Facilities Control Plan
680-535-050	3	1A ESS Switch Service Order Recent Change Procedures 1AE4 and 1AE5 Generic Programs — 2-Wire	680-540-020	1	Facility Analysis Plan — Assignment Office Procedures
680-536-013	1	2/2B ESS Switches Service Order (All Generic Programs) — Procedures Using the Service Order Channel	680-545-010	1	Assignment Procedures for Apartment Door Answering Service
			680-550-010	3	Assignment Office Discrepancy Routine
			<b>680-8 Other Plant Assignment Methods and Procedures</b>		
			Addendum	1	
			680-800-010	6	Subscriber Long Route Design — Administration and Implementation
			680-800-011	1	Resistance Zoning of Exchange Services for Subscriber Long Route Design — Implementation Guidelines
			680-800-012	1	Acquisition and Administration of Electronic Equipment for Customer Loops

Number	Issue	Subject	Number	Issue	Subject
680-800-013	2	Administration — Loop Cable Record Inventory System (LCRIS) — Loop Assignment Center	<b>680-850 COSMOS (Computer System for Mainframe Operations) — Loop Assignment Center</b>		
680-810-010	1	Loop Check Ticket	680-850-010	1	Connect-Through Plan Procedures
680-815-010	2	Request for Facilities and Equipment Requirements — Exchange Service (Form E-4053)	680-850-011	1	Operational Procedures — General
Addendum	1		680-850-012	1	Operational Procedures — Basic Service
680-820-010	3	Report of Unfilled Customer Requests for Main and Regrade Service	680-850-013	1	Operational Procedures — Service Order Changes
680-830-010	2	Short Jumper Assignment — Conventional MDF	680-850-014	1	Operational Procedures — Complex Service Orders
680-830-012	1	Cosmic® Frame Manual Assignment Procedures	680-850-015	1	Operational Procedures — Special Service Orders
680-840-010	1	Assignment Office — Telephone Call Analysis — Forms E-5931 and E-6069	680-850-016	1	Operational Procedures — Work Order Processing
			680-850-017	1	Transaction Codes For Service and Work Orders
			680-850-030	1	Engineering Work Order Procedures
			680-850-031	1	Defective Cable Pair Recovery Procedures
			680-850-032	1	Transaction Codes for Cable Pair Transfers
			680-850-040	1	Job Administration
			680-850-041	1	Administration Reports and Inquiries
			680-850-042	1	Command File Administration

**Division 682**

**Plant Assignment — Trunk Plant and Special Services**

**682-0 Index and general information**

**682-1 Circuit Layout Record Cards for Telephone Message Trunks**

**682-2 Carrier Circuit Layout Record Cards for Telephone Systems**

**682-3 Other Circuit Layout Record Cards**

**682-4 Work Order Record and Details**

Number	Issue	Subject
<b>682-0 Index and General Information</b>		
682-000-000	31	Numerical Index — Division 682 — Plant Assignment — Trunk Plant and Special Services
Addendum	1	
682-000-010	1	Toll Layout Facility Records
Addendum	1	
682-000-011	2	Plant Assignment Circuit Layout Record — Description
682-000-013	1	Exchange Trunk Cable Pair Record
682-000-015	3	Facility Control Offices — Facility Maintenance and Administration Center — Assignment and Operating Responsibilities
682-000-101	2	E-Repeatered and Non-Repeatered Two-Wire Trunks — Expected Measured Loss Calculations
■ 682-000-921AC	2	Selection of Control Offices

**682-1 Circuit Layout Record Cards for Telephone Message Trunks**

682-100-010	5	General
Addendum	1	
682-100-011	3	Trunk Details Shown on Lines at Top of Forms E-2350 to E-2353 Inclusive

Number	Issue	Subject
Addendum	1	
682-100-012	2	Net Loss, Over-All Active Singing Point, Repeater, and Junction Level Entries
682-100-013	2	Line Assignment Entries and Line Loss Data
682-100-014	2	Line Equipment Entries
Addendum	1	
682-100-015	3	Entries for Signaling Equipment
682-100-016	1	D-C Signaling Paths Used With Telephone Message Circuits
Addendum	1	
682-100-017	4	Other Equipment Entries, Equipment Loss Data, and Special Entries
682-100-018	6	Intertoll Trunk and Miscellaneous Telephone Circuit Numbering
682-100-019	3	Illustration of Forms and Alphabetical Index to Items Described in Associated Sections
682-100-020	1	Telephone Circuit Units

**682-2 Carrier Circuit Layout Record Cards for Telephone Systems**

Addendum	1	
682-200-018	1	Type ON Carrier Units and Channel Groups
Addendum	1	
682-200-019	3	Type N Carrier Channel Groups
682-200-020	4	Carrier Telegraph Systems and Layouts
682-200-021	1	Carrier Program Channels

**682-3 Other Circuit Layout Record Cards**

Addendum	1	
682-300-010	2	Teletypewriter and Manual Telegraph Circuits
682-300-011	1	Program Circuit Units and Symbols for Use on Program Network Charts
■ 682-300-012AC	1	Corporate Data Standard Number Assignment for Radio Unit
682-300-012	3	Number Assignments for Radio Units and Satellite Units
682-300-013	1	Radio Relay Message Units

Number	Issue	Subject
Addendum	1	
682-300-014	1	Video Interexchange Units and Local Channels and Symbols for Use on Video Network Charts

**DATAPHONE® Digital Service and Switched Digital Service**

682-300-020	1	Plant Assignment — General
682-300-021	1	Facility Records
682-300-022	1	Facility and Equipment Assignment Records
682-300-023	1	Plant Assignment Records
682-300-027	1	Administration of Combined Manual and Mechanized (F/ECP1) Records

**682-4 Work Order Record and Details**

682-400-010	2	Trunk Network and Special Services — Description and Objectives
❶ 682-400-011	2	Circuit Segmenting Standards
❶ 682-400-012	2	Output Documents From TIRKS C1/TAS
❶ 682-400-014	2	Circuit Installation and Maintenance — Assistance Package (CIMAP) — Network Trunk and Special Services — Description
682-400-020	1	Document and Report Retrieval Procedures — Trunks Network and Special Services Operations — Description





**Division 720**

**Motor Vehicles and Construction Equipment**

**720-0 Index and Administrative Information**

**720-1 Safety**

**720-2 Engines**

**720-3 Body and Chassis**

**720-4 Construction Equipment**

**720-5 Fleet Maintenance**

**720-6 Information Management System**

Number	Issue	Subject
<b>720-0 Index and Administrative Information</b>		
720-000-000	29	Numerical Index — Division 720 — Motor Vehicles and Construction Apparatus
■ 720-000-100	1	Use of Automobiles on Company Business
■ 720-000-925AC	1	Guidelines for Automotive Operations
720-020-012	2	Storage of Motor Vehicles and Construction Apparatus
720-040-010	1	Inspection of Motor Vehicles
720-050-010	2	Standard Motor Vehicles Numbering Plan
720-080-010	1	Universal Credit Card
720-090-012	4	Publications of Automotive Manufacturers
<b>720-1 Safety</b>		
720-100-010	3	Motor Vehicle Tire Chains — Prevention of Skidding
<b>720-2 Engines</b>		
720-205-012	3	Anti-Freeze Solutions
720-210-300	2	Engine Cooling Systems — Rust Prevention

Number	Issue	Subject
720-210-310	2	Automotive Engine Cooling Systems — Maintenance
720-215-012	1	Motor Vehicle Fuel and Fuel Economy — Gasoline
720-220-300	2	Motor Vehicle Lubricants and Lubrication
<b>720-3 Body and Chassis</b>		
720-305-300	3	Pneumatic Tires and Tubes
720-305-310	1	Wheels and Rims — Description and Maintenance
720-310-300	1	Tru-Stop Brake — Operation and Maintenance
720-315-600	1	Electric Brake Controls — Inspection and Tests
720-320-300	1	Mico Lever Lock — Maintenance
720-325-300	2	Motor Vehicles — Rustproofing
720-330-300	1	Hydraulic Lift Gates
720-340-100	1	Automotive Batteries — Care and Maintenance

**720-4 Construction Equipment**

720-405-200	1	H-21 Truck Platform Ladder — Field Installations
720-410-300	2	Power Winches — Maintenance
720-410-305	1	AT-8003 and AT-8029 Winches — AT-8111 Winch Hydraulic Drive — Maintenance
720-410-310	1	AT-8467 Winches — Maintenance
720-415-300	2	Power Take-Off — Maintenance

**720-5 Fleet Maintenance**

720-500-100	1	Guidelines
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**720-6 Information Management System**

720-610-100	2	Description
720-610-101	2	Input Fields and Procedures
720-610-102	1	Motor Vehicle Information Management System (MOVIMS) — Standard Inputs

**Division 740**

**Materials Management and Supplies — General Information**

**740-0 Indexes and Training**

- 000 Indexes
- 001 Training
- 005 Methods and Procedures
- 010 Comcode Listings

Number	Issue	Subject
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**740-0 Indexes, Training, and Listings**

**740-000 Indexes**

740-000-000	13	Numerical Index — Division 740 — Supplies — General Information
740-000-001	1	Overall Supplies Numerical Index and Checking List — Divisions 740-749
740-000-002	1	Index of Materials Management Operations — Safety Precaution References

**740-001 Training**

740-001-000	4	Training Outline — Supply Forces
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**740-005 Methods and Procedures**

■ 740-005-001	11/94	Global Business Communications Systems Methods and Procedures for Customer Support Managers
740-005-005	1	Business Communications Systems Methods and Procedures for Material Material Support Locations (MSL)

**740-010 Comcode Listings**

740-010-005	2	A Catalog of Comcode Listings for KS/SP Wire and Cable (1-91)
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**Division 741****Products, Supplies, Systems and Services Supporting Functions****741-0 Indexes and General****-000 Indexes****-001 Requirements****-002 Shop Repair****-003 Supply Catalogues****741-1 Discontinued Availability**

Number	Issue	Subject
<b>741-0 Indexes and General</b>		
<b>741-000 Indexes</b>		
741-000-000	9	Numerical Index — Division 741 — Supplies Supporting Functions
<b>741-001 Requirements</b>		
741-001-001	3	Plan for Preparing Quarterly Estimate of Requirements of Material and Supplies
<b>741-002 Shop Repair</b>		
741-002-001	2	Distributing House Shop Repair Schedule
741-002-002	2	Computerized Shop Schedule Plan — Regional Material Distribution — Repair Scheduling System
<b>741-003 Supply Catalogues</b>		
741-003-001	2	Catalogue of Supplies

Number	Issue	Subject
<b>741-1 Discontinued Availability</b>		
<b>741-100 Discontinued Availability Notification and Tracking System (DANTS)</b>		
741-100-005	1	Instructors Guide
741-100-010	2	User Guide
741-100-015	1	Product Manager's Directory

**Division 742**

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**Supply Controls**

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**742-000 Indexes**

-003 Inventories

-004 Administrative Control

-005 Administrative Cost Studies

Number	Issue	Subject
<b>742-000 Indexes</b>		
742-000-000	9	Numerical Index — Division 742 — Supply Controls

**742-003 Inventories**

742-003-001	2	Annual Inventory of Class C Stock
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**742-004 Administrative Controls**

742-004-001	3	Expense Tool Report for Field Administration
742-004-002	1	Class C Stock Investment Con- trol
742-004-003	1	Class C Stock Investment Analysis
742-004-004	1	Class C Stock Administration Order- Invoice Plan Locations
742-004-005	1	Class C Stock Level Control
742-004-006	1	Class C Stock Administration Elements — Station Apparatus

**742-005 Administrative Cost Studies**

742-005-001	1	Supplies Comparative Cost Stu- dies
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**Division 743****Supply Ordering****743-000 Indexes****-001 Supply Ordering, General****-002 Supply Ordering, Automation****-003 Supply Manual and Computer Controls**

Number	Issue	Subject
<b>743-003 Supply Manual and Computer Controls</b>		
743-003-001	2	Material Ordering
743-003-003	2	Bell Operating Company Data Base File Maintenance — Regional Material Distribution System (RMDS)
743-003-006	1	Investment Analysis and Control
743-003-010	2	Station Equipment Field Inventory

Number	Issue	Subject
<b>743-000 Indexes</b>		
743-000-000	23	Numerical Index — Division 743 — Supply Ordering

**743-001 Supply Ordering, General**

743-001-001	4	Material Ordering — Stationery Ordering Procedures
743-001-002	3	Uniformity of Nomenclature for Listing, Ordering, and Billing Materials
743-001-003	2	Standard Abbreviations — Ordering, Billing, and Associated Procedures

**743-002 Supply Ordering, Automation**

743-002-000	5	Material Ordering — Order-Invoice Plan
743-002-001	4	Material Ordering — Establishing Comcode, Item Numbers, and Supplies Catalogs
Addendum	1	
743-002-002	4	Material Ordering — Touch-Tone Order Entry
743-002-010	1	Material Ordering — CRT Data Terminal Order Entry
Addendum	1	
743-002-011	2	Material Ordering — Manual Ordering Procedures Under the Order Invoice Plan (OIP)

**Division 744**

**Supply Distribution**

**744-0 Indexes and General Information**

- 000 Index
- 001 General
- 002 Material Receipting and Verifying
- 004 Work Location Distribution
- 005 Storeroom Distribution
- 006 Locker Distribution

Number	Issue	Subject
<b>744-000 Indexes</b>		
744-000-000	11	Numerical Index — Division 744 — Supply Distribution (2-95)

**744-001 General**

744-001-001	1	Supplies Distribution Concepts
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**744-002 Material Receipting and Verifying**

744-002-001	4	Receiving, Checking, and Receipting for Material Ordered From Western Electric
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**744-004 Work Location Distribution**

744-004-001	3	Distributing Supplies to Nonmotorized Cable Splicers
■ 744-004-010	12/94	Standard Warehousing Manual for Martialing Centers
■ 744-004-011	6/93	Martialing Center Operator's Menu Manual (1-95)
■ 744-004-012	7/94	Common Distribution Center System (CDCS) — Staging Documentation — Martialing Center
■ 744-004-013	11/94	DRP Staging Management Order Servicing Guide — Martialing Center
■ 744-004-014	7/94	Transportation Management System (TMS) User Guide — Martialing Center

Number	Issue	Subject
<b>744-005 Storeroom Distribution</b>		
744-005-001	3	Fully Attended Plant Storerooms — Planning, Layout, and Operation

**744-006 Locker Distribution**

744-006-001	3	Supplying Installation and Repair Lockers
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**Division 745**

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**Material Returns**

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**745-0 Index and Administrative Information****745-000 Index****745-001 Major Material****745-002 Minor Material****745-003 Material Disposition****745-004 Material Service and Return****745-005 Protective Packaging**

Number	Issue	Subject
<b>745-000 Index</b>		
745-000-000	11	Numerical Index — Division 745 — Material Returns
<b>745-001 Major Material</b>		
745-001-000	3	Returned Material — Tabulating Card Plan
<b>745-002 Minor Material</b>		
745-002-000	2	Returned Material — Handling
<b>745-003 Material Disposition</b>		
745-003-000	3	Class "B" (Scrap) Materials — Handling, Packing, Shipping
<b>745-004 Material Service and Return</b>		
745-004-000	3	Repair Service and Return Plan — Processing Procedures
■ 745-004-000AC	4	Plug-in and Portable Test Equip- ment — Repair Plan
<b>745-005 Protective Packaging</b>		
745-005-000	1	Returned Material — Protective Packaging and Handling
745-005-001	1	Kits for Data Sets and Data Ter- minals

**Division 746**

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**Supply Functions — Miscellaneous**

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**746-000 Indexes**

**746-001 Claims and Complaints**

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
<b>746-000 Indexes</b>		
746-000-000	6	Numerical Index — Division 746 — Supply Functions — Miscellaneous
<b>746-001 Claims and Complaints</b>		
746-001-001	2	Initiating and Handling Claims
■ 746-001-901AC	1	Claims Against Other AT&T Entities



**Division 750**

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**Business Information System Practices (BISP) General**

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**750-0 Indexes and General Information****750-2 Audit — General**

Number	Issue	Subject
<b>750-0 Indexes and General Information</b>		
750-000-000	8	Numerical Index — Division 750 — BISP General
750-000-100	3	BISP Bell System Practices — Master Numerical Index, Divisions 750-759
750-000-200	2	BISP Bell System Practices — Master Numbering Plan, Divisions 750-759

**750-2 Audit — General**

●	750-200-100	1	Overview of BIS Audit Manuals
●	750-200-110	1	Audit Utilities User Guide

**Division 751**

**Business Information Systems COMMON LANGUAGE\***

**751-0 Index and General Information**

**751-1 Common Language Codes And Abbreviations**

**751-4 Common Language Codes and Abbreviations — Listings**

Number	Issue	Subject
<b>751-0 Index and General Information</b>		
751-000-000	87	Numerical Index — Division 751 — Business Information Systems — Common Language
■ 751-000-100AC	1	Codes, Abbreviations and Acronyms — General Description
■ 751-000-102AC	1	Abbreviation and Code Request Procedures
■ 751-000-110AC	1	Character Set for Handprinting

**751-1 Common Language Codes and Abbreviations**

■ 751-100-050AC	2	Location Place Codes — Description
■ 751-100-055AC	1	Codes for the Representation of States of the United States, Provinces and Territories of Canada, Countries of the World and Other Unique Areas
751-100-110	5	Telephone Company Codes
■ 751-100-115AC	1	Interexchange Access Customer (IAC) Codes
■ 751-100-125AC	2	Time Codes
■ 751-100-130AC	2	Date Codes
■ 751-100-135AC	1	Hemisphere Codes
■ 751-100-140AC	1	Geographic Point Location Codes
■ 751-100-145AC	2	Local Access and Transportation Area (LATA), and Independent Market Area (IMA) Coded

Number	Issue	Subject
■ 751-100-150AC	1	U.S. Counties and County Equivalents
■ 751-100-155AC	1	Exchange Area Codes
■ 751-100-160AC	1	Rate Center Code
■ 751-100-165AC	1	Bay Shelf and Position Codes
■ 751-100-205AC	1	Ownership Classification Codes (Reinstated)
■ 751-100-270AC	1	Auxiliary Line Equipment Features Code
■ 751-100-300AC	1	Material Planning Statement (MPS) Code
■ 751-100-310AC	1	Exchange Cable Codes
■ 751-100-330AC	2	Carrier Restoration Line — Classification Codes
■ 751-100-340AC	1	Direction — Transmission Codes
■ 751-100-345AC	1	Pair Gain System Codes
■ 751-100-350AC	1	Repeater Side Identification Code
■ 751-100-420AC	2	Circuit Type — Division of Revenue Code
■ 751-100-425AC	2	Facility or Equipment Class — Division of Revenue Code
■ 751-100-435AC	1	Corporate Data Standards — Geographic Study Area Codes — Detailed Regulatory (DR)
■ 751-100-440AC	2	Switching System Codes — Description — Private Branch Exchange (PBX), Centrex, and Special Service
■ 751-100-445AC	2	Circuit Switching Systems Codes — Central Office
■ 751-100-450AC	1	Packet Switching System Codes — Central Office
■ 751-100-520AC	2	Circuit Switch Originating Equipment Codes
■ 751-100-525AC	2	Packet Originating Equipment (POE) Codes
■ 751-100-550AC	1	Wire Center Code
■ 751-100-605AC	2	Zoning Improvement Plan (ZIP) Code
■ 751-100-610AC	1	Social Security Number
■ 751-100-630AC	1	Property Record Codes
■ 751-100-635AC	1	Central Office Equipment Category Code
■ 751-100-650AC	2	Manufacturing Company Codes — Telephone Equipment
■ 751-100-670AC	2	Routing Classification Codes
■ 751-100-675AC	1	Restoration Priority (RSP) Codes

\* COMMON LANGUAGE is a registered trademark of Bell Communications Research, Inc.

Number	Issue	Subject	Number	Issue	Subject
751-100-700	2	Equipment Measurement Code (EMC)	■ 751-401-123AC	2	Place Codes — Michigan (MI)
■ 751-100-740AC	1	Account — Telephone Code	■ 751-401-124AC	2	Place Codes — Minnesota (MN)
■ 751-100-770AC	1	Continuing Property Record (CPR) Number	■ 751-401-125AC	2	Place Codes — Mississippi (MS)
■ 751-100-785AC	4	COMMON LANGUAGE Frame Identification Code	■ 751-401-126AC	2	Place Codes — Missouri (MO)
751-100-785	3	COMMON LANGUAGE Frame Identification Code	■ 751-401-127AC	2	Place Codes — Montana (MT)
■ 751-100-790AC	1	Distributing Frame — Cross-Connect Point Codes	■ 751-401-128AC	2	Place Codes — Nebraska (NE)
■ 751-100-800AC	2	Signaling Codes	■ 751-401-129AC	2	Place Codes — Nevada (NV)
■ 751-100-900AC	2	Corporate Data Standards— Provisioning Access Arrangement Codes	■ 751-401-130AC	2	Place Codes — New Hampshire (NH)
■ 751-100-901AC	2	Corporate Data Standards Jeopardy Codes	■ 751-401-131AC	2	Place Codes — New Jersey (NJ)
■ 751-100-902AC	3	International Communications — Carrier Codes	■ 751-401-132AC	2	Place Codes — New Mexico (NM)
			■ 751-401-133AC	2	Place Codes — New York (NY)
			■ 751-401-134AC	2	Place Codes — North Carolina (NC)
			■ 751-401-135AC	2	Place Codes — North Dakota (ND)
			■ 751-401-136AC	2	Place Codes — Ohio (OH)
			■ 751-401-137AC	2	Place Codes — Oklahoma (OK)
			■ 751-401-138AC	2	Place Codes — Oregon (OR)
			■ 751-401-139AC	2	Place Codes — Pennsylvania (PA)
			■ 751-401-140AC	2	Place Codes — Rhode Island (RI)
			■ 751-401-141AC	2	Place Codes — South Carolina (SC)
			■ 751-401-142AC	2	Place Codes — South Dakota (SD)
			■ 751-401-143AC	2	Place Codes — Tennessee (TN)
			■ 751-401-144AC	2	Place Codes — Texas (TX)
			■ 751-401-145AC	2	Place Codes — Utah (UT)
			■ 751-401-146AC	2	Place Codes — Vermont (VT)
			■ 751-401-147AC	2	Place Codes — Virginia (VA)
			■ 751-401-148AC	2	Place Codes — Washington (WA)
			■ 751-401-149AC	2	Place Codes — West Virginia (WV)
			■ 751-401-150AC	2	Place Codes — Wisconsin (WI)
			■ 751-401-151AC	2	Place Codes — Wyoming (WY)
			■ 751-401-179AC	1	Place Codes — Provinces and Territories of Canada
			■ 751-401-180AC	1	Place Codes — Countries of the World
			■ 751-410-100AC	1	Standard Abbreviations — Description
			■ 751-410-101AC	1	Standard Abbreviation — Master List — Words and Their Abbreviations

#### 751-4 Common Language Codes and Abbreviations — Listings

■ 751-401-101AC	2	Place Codes — Alabama (AL)
■ 751-401-102AC	2	Place Codes — Alaska (AK)
■ 751-401-103AC	2	Place Codes — Arizona (AZ)
■ 751-401-104AC	2	Place Codes — Arkansas (AR)
■ 751-401-105AC	2	Place Codes — California (CA)
■ 751-401-106AC	2	Place Codes — Colorado (CO)
■ 751-401-107AC	2	Place Codes — Connecticut (CT)
■ 751-401-108AC	2	Place Codes — Delaware (DE)
■ 751-401-109AC	2	Place Codes — District of Columbia (DC)
■ 751-401-110AC	2	Place Codes — Florida (FL)
■ 751-401-111AC	2	Place Codes — Georgia (GA)
■ 751-401-112AC	2	Place Codes — Hawaii (HI)
■ 751-401-113AC	2	Place Codes — Idaho (ID)
■ 751-401-114AC	2	Place Codes — Illinois (IL)
■ 751-401-115AC	2	Place Codes — Indiana (IN)
■ 751-401-116AC	2	Place Codes — Iowa (IA)
■ 751-401-117AC	2	Place Codes — Kansas (KS)
■ 751-401-118AC	2	Place Codes — Kentucky (KY)
■ 751-401-119AC	2	Place Codes — Louisiana (LA)
■ 751-401-120AC	2	Place Codes — Maine (ME)
■ 751-401-121AC	2	Place Codes — Maryland (MD)
■ 751-401-122AC	2	Place Codes — Massachusetts (MA)

Number	Issue	Subject
■ 751-410-102AC	1	Standard Abbreviations Master List — Abbreviations and the Words They Represent
■ 751-410-401AC	1	Standard Abbreviations — Network, Operations, and Information Systems — Input/Output Messages
■ 751-410-501	7	Frame Function Codes
■ 751-410-501AC	1	Frame Function Codes — Frames, Racks, Bays, Cabinets and Associated Central Office Equipment

**Division 756****Business Information Systems — Trunks and Special Services****756-0 Index**

-099 Customer Information Release (CIR)

**756-1 PICS/DCPR (Plug-In Inventory Control System/Detailed Continuing Property Record)**

-100 Indexes and Documentation Guide

-131 PICS/CPE (PICS/Customer Premise Equipment)

-140 General Information

-141 Inventory Form Instructions (Forms No. BISP 61-0001 Through No. BISP 61-0136)

-151 PICS/DCPR Users' Manuals

-152 Batch Run Dependencies

-153 Users' Manuals — Batch Runs

-159 PICS/DCPR Forms Guide

-160 PICS/2 — Plug-In Movement — Students' Workbook

-161 PICS/2 — Plug-In Movement — Instructors' Guide

-162 PICS/2 — Evolution of PICS and System Orientation Manual

-163 PICS/DCPR — Slide/Tape Orientation

-169 PICS/2 — Plug-In Movement — Instructors' Answer Book

-170 PICS/2 — Plug-In Movement — Position Practice

-172 Folders (Program, Run Processing, Etc.)

-180 Administrative Guide and Audit Manuals

-182 EDP System Manuals and PICS-BIS/Trunks

**756-3 S&E Trunk Forecasting**

-365 No. 5 Crossbar — COERs (Central Office Equipment Reports)

-375 No. 5 Crossbar — COER System

**756-5 TIRKS E1 (Trunks Integrated Records Keeping System) 545 IEOCS (Interim Equipment Order Control System)**

-547 ECP-1A (Equipment Conversion Package-1A)

-548 ECP-1B

	Number	Issue	Subject
<b>756-0 Index</b>			
	756-000-000	43	Numerical Index — Division 756 — Business Information Systems — Trunks and Special Services
<b>756-099 Customer Information Release (CIR)</b>			
□	756-099-001IR	1	1/1A ESS™ Switching Equipment Trunk Assignment Balancing and Support Service (ETABS), Services Line Products
<b>756-1 PICS/DCPR (Plug-In Inventory Control System/Detailed Continuing Property Record)</b>			
<b>756-100 Indexes and Documentation Guide</b>			
	756-100-100	2	Documentation Guide Index
	756-100-101	2	Documentation Guide (General)
	756-100-102	2	Planning and Conversion Index
	756-100-103	2	Orientation and Training Index
	756-100-104	2	Operations Index
	756-100-105	2	Administration Index
	756-100-106	2	Reference Documentation Index
<b>756-131 PICS/CPE (PICS/Customer Premise Equipment)</b>			
	Addendum	1	
	756-131-802	1	Product Inventory Control System/Customer Premise Equipment (PICS/CPE)
<b>756-140 General Information</b>			
	756-140-120	1	PICS/1 User's Guide
	756-140-130	2	Description of PICS — Planning Guide
	756-140-141	2	Installation — Summary and System — Description
	756-140-142	2	Initial Installation Planning
	756-140-143	2	Plug-In Inventory and Conversion Considerations
	756-140-144	3	Hardwired Conversion Activities
	756-140-145	2	Inventory and Conversion Procedures
	756-140-146	1	On-Line System Initialization
	756-140-147	1	Plug-In Administrator's Activities — Prior to and After a Central Stock Inventory

Number	Issue	Subject	Number	Issue	Subject
756-140-148	1	Inventory and Conversion Subsystem — Optical Character Recognition (OCR) — Typing and Scanning	756-141-011	1	Form No. BISP 61-0011 (Program Matrix 0011) — O, ON1, ON2, ON/K Carrier Terminal Equipment
756-140-149	1	Central Stock Reinventory Procedures	756-141-012	1	Form No. BISP 61-0012 (Program Matrix 0012) — N1 Carrier Terminal Equipment
756-140-150	1	Personnel Planning Guide	756-141-013	1	Form No. BISP 61-0013 (Program Matrix 0013) — ON/K Carrier Terminal, Repeater, or Junction Equipment
<b>756-141 Inventory Form Instructions (Forms No. BISP 61-0001 Through No. BISP 61-0136)</b>					
756-141-000	1	PICS/2 — Form Instructions (General)	756-141-014	1	Form No. BISP 61-0014 (Program Matrix 0014) — N1, ON, ON/K, ON/Radio, N2 Repeaters for N1 or N1A Mounting
756-141-001	2	Form No. BISP 61-0001 (Program Matrix 0001) — T1 Carrier, D1 Channel Bank Power Supply (J86498A-1)	756-141-015	1	Form No. BISP 61-0015 (Program Matrix 0015) — N and ON Carrier Systems 240-Type — Flat Gain Amplifiers and Associated Networks
756-141-002	2	Form No. BISP 61-0002 (Program Matrix 0002) — T1 Carrier, Combined D1A, D1C Bay — Repeater and Power — Supply Units	756-141-016	1	Form No. BISP 61-0016 (Program Matrix 0016) — Carrier to TL Radio Combining Bay for Terminal or Repeater Locations
756-141-003	1	Form No. BISP 61-0003 (Program Matrix 0003) — T1 Carrier, 201-Type Repeater Equipment Bay Mounted	756-141-017	1	Form No. BISP 61-0017 (Program Matrix 0017) — 2A Echo Suppressors
756-141-004	1	Form No. BISP 61-0004 (Program Matrix 0004) — T1 Carrier, 206-Type Repeater	756-141-018	2	Form No. BISP 61-0018 (Program Matrix 0018) — 3A and 3B Echo Suppressors
756-141-005	2	Form No. BISP 61-0005 (Program Matrix 0005) — Subscriber Loop Multiplexer and T1 Carrier Equipment Located in Manholes or on Poles	756-141-019	1	Form No. BISP 61-0019 (Program Matrix 0019) — Dial Long Line Unit
756-141-006	1	Form No. BISP 61-0006 (Program Matrix 0006) — T1 Carrier, D1, D1A, D1B, D1C Bank Equipment — Channel and Group Units	756-141-020	1	Form No. BISP 61-0020 (Program Matrix 0020) — N2 Carrier N2WT1 Wideband Terminal
756-141-007	1	Form No. BISP 61-0007 (Program Matrix 3007) — T1 Carrier, T1WM-1 Wideband Modem	756-141-021	1	Form No. BISP 61-0021 (Program Matrix 0021) — N2 Carrier Terminal — Regular and Package Frames — Channel Units
756-141-008	2	Form No. BISP 61-0008 (Program Matrix 3008) — T1 Carrier T1WB-1, 2, 3 Bank Arrangements	756-141-022	1	Form No. BISP 61-0022 (Program Matrix 0022) — N2 Carrier Terminal Group Units — Regular, Packaged, and N2WT1
756-141-009	1	Form No. BISP 61-0009 (Program Matrix 0009) — T1 Carrier T1WM-4 Wideband Modem	756-141-023	1	Form No. BISP 61-0023 (Program Matrix 0023) — N2 Carrier Line Build-Out Bay
756-141-010	1	Form No. BISP 61-0010 (Program Matrix 0010) — 0-Type Carrier Repeaters	756-141-024	1	Form No. BISP 61-0024 (Program Matrix 0024) — N2 Carrier Repeater, Current Regulator, and Amplifier Bays

Number	Issue	Subject	Number	Issue	Subject
756-141-025	1	Form No. BISP 61-0025 (Program Matrix 0025) — Traffic Data Recording System — No. 1A Summarizer	756-141-040	1	Form No. BISP 61-0040 (Program Matrix 0040) — Transistorized Conference Amplifiers — J99294
756-141-026	1	Form No. BISP 61-0026 (Program Matrix 0026) — Traffic Data Recording System — No. 1A Remote Record Cabinet or Frame	756-141-041	1	Form No. BISP 61-0041 (Program Matrix 0041) — E2-3 Telephone Repeaters and Disablers (With List Determination)
756-141-027	2	Form No. BISP 61-0027 (Program Matrix 0027) — TSPS Universal Trunk Frame	756-141-042	1	Form No. BISP 61-0042 (Program Matrix 0042) — Amplitude and/or Delay Equalizing Unit — J99292A, J99292B, J99292C
756-141-028	1	Form No. BISP 61-0028 (Program Matrix 0028) — TSPS Universal Trunk Frame	756-141-043	1	Form No. BISP 61-0043 (Program Matrix 0043) — V3 Telephone Repeaters — With Suffix Digit and List
756-141-029	1	Form No. BISP 61-0029 (Program Matrix 0029) — 1 ESS™ Junctor Frame	756-141-044	1	Form No. BISP 61-0044 (Program Matrix 0044) — Intercontinental Trunk Supervision — Signal Converter Bay
756-141-030	2	Form No. BISP 61-0030 (Program Matrix 0030) — 1 ESS Miscellaneous Trunk Frame	756-141-045	1	Form No. BISP 61-0045 (Program Matrix 0045) — E Signaling M Lead Corrector Units
756-141-031	1	Form No. BISP 61-0031 (Program Matrix 0031) — 1 ESS Universal Trunk Frames	756-141-046	2	Form No. BISP 61-0046 (Program Matrix 0046) — E Signaling Transmission Path Cut Units
756-141-032	1	Form No. BISP 61-0032 (Program Matrix 0032) — Private Service Systems — A1 Digital Data Systems	756-141-047	1	Form No. BISP 61-0047 (Program Matrix 0047) — E2-3 Telephone Repeaters (Without List Determination)
756-141-033	1	Form No. BISP 61-0033 (Program Matrix 0033) — Toll Systems — Multipoint Conference Bridge	756-141-048	1	Form No. BISP 61-0048 (Program Matrix 0048) — V3 Telephone Repeaters Without Suffix and List
756-141-034	1	Form No. BISP 61-0034 (Program Matrix 0034) — Voice-Frequency Transmission Maintenance — Concentrator Bay	756-141-049	3	Form No. BISP 61-0049 (Program Matrix 0049) — E6-7 Telephone Repeaters With 830-Type Networks (Detailed by Apparatus Designations A to G) and Extenders CLE 76-724-00 and 7384
756-141-035	2	Form No. BISP 61-0035 (Program Matrix 0035) — N3 Carrier Terminal	756-141-050	2	Form No. BISP 61-0050 (Program Matrix 0050) — 2400 or 2600 Single Frequency Signaling System
756-141-036	1	Form No. BISP 61-0036 (Program Matrix 0036) — N3 Carrier, N3-L Type A Junction	756-141-051	1	Form No. BISP 61-0051 (Program Matrix 2051) — E-Type Signaling Bay — Regular on N2 and N3 Packaged Terminal Frame
756-141-037	1	Form No. BISP 61-0037 (Program Matrix 0037) — N3 Carrier, N3-L Type B Junction			
756-141-038	1	Form No. BISP 61-0038 (Program Matrix 0038) — N3 Carrier, N3-L Type C Junction			
756-141-039	1	Form No. BISP 61-0039 (Program Matrix 0039) — N3 Carrier Common Carrier Supply			

Number	Issue	Subject	Number	Issue	Subject
756-141-052	2	Form No. BISP 61-0052 (Program Matrix 0052) — F-Type AC Trunk Signaling — J99335A, B, C, D Bay	756-141-065	1	Form Number BISP 61-0065 (Program Matrix 0065) — L-Type Multiplex, L600A Transmitting Bay
756-141-053	2	Form No. BISP 61-0053 (Program Matrix 0053) — Consolidated and Unitized — F-Type Trunk Signaling Units (J98624A, C, D & J98626A, B, D, E Bays)	756-141-066	1	Form Number BISP 61-0066 (Program Matrix 0066) — L-Type Multiplex, L1860A Receiving Bay
756-141-054	1	Form No. BISP 61-0054 (Program Matrix 0054) — TV Systems — A2A, A2B, A2AT Video Transmission Bays	756-141-067	1	Form Number BISP 61-0067 (Program Matrix 0067) — L-Type Multiplex, L1860A Transmitting Bay
756-141-055	1	Form No. BISP 61-0055 (Program Matrix 0055) — Wideband Loop Repeaters — WLR-1, 2, and 3	756-141-068	1	Form No. BISP 61-0068 (Program Matrix 0068) — L-Type Multiplex — L60A and L120A-Transmitting and Receiving Bay
756-141-056	1	Form No. BISP 61-0056 (Program Matrix 0056) — Wideband Loop Repeaters — WLR-4 and 5	756-141-069	1	Form No. BISP 61-0069 (Program Matrix 0069) — C2A, C2B, or C2C Supergroup Connector
756-141-057	2	Form No. BISP 61-0057 (Program Matrix 0057) — 4A Echo Suppressor — J68914 — J98624 Consolidated Bay — J98626 Unitized Bay	756-141-070	1	Form No. BISP 61-0070 (Program Matrix 0070) — Telegraph Systems — 143- Type Regenerative Repeaters
756-141-058	1	Form No. BISP 61-0058 (Program Matrix 0058) — L4 Multiplex Repeaters — Main Station	756-141-071	1	Form No. BISP 61-0071 (Program Matrix 0071) — Telegraph Systems — 144- Type Coupling Units
756-141-059	1	Form Number BISP 61-0059 (Program Matrix 0059) — L4 Multiplex Repeaters — Intermediate Station	756-141-072	1	Form No. BISP 61-0072 (Program Matrix 0072) — 43A1 Carrier Telegraph Systems
756-141-060	2	Form No. BISP 61-0060 (Program Matrix 0060) — 24V4, 44V4, and 424V4 Repeaters	756-141-073	1	Form No. BISP 61-0073 (Program Matrix 0073) — 96A-1 Electronic Loop Repeaters
756-141-061	2	Form No. BISP 61-0061 (Program Matrix 0061) — V4 Basic Repeaters	756-141-074	1	Form No. BISP 61-0074 (Program Matrix 0074) — 43B1 Voice Frequency Carrier — High Voltage Hub Converters
756-141-062	2	Form No. BISP 61-0062 (Program Matrix 0062) — No. 1 Type Terminating Set and 4182A, B, C Network (J98615CJ, CK and J98617J Bays)	756-141-075	1	Form No. BISP 61-0075 (Program Matrix 0075) — 43B1 Voice Frequency Carrier — Line, Channel, and Alarm Units
756-141-063	1	Form No. BISP 61-0063 (Program Matrix 0063) — L-Type Multiplex — A5 Channel Bank (J68853)	756-141-076	2	Form No. BISP 61-0076 (Program Matrix 0076) — 145A1 Regenerative Repeaters — Data Systems
756-141-064	1	Form Number BISP 61-0064 (Program Matrix 0064) — L-Type Multiplex, L600A Receiving Bay	756-141-077	1	Form No. BISP 61-0077 (Program Matrix 0077) — L-Type Multiplex — Supergroup and Group Banks — Receiving — Mix Packaged Bay (J68858P or DP)



Number	Issue	Subject	Number	Issue	Subject
756-141-078	1	Form No. BISP 61-0078 (Program Matrix 0078) — L-Type Multiplex — Supergroup and Group Banks, Transmitting Mix Packaged Bay (J68858N or DN)	756-141-091	1	Form No. BISP 61-0091 (Program Matrix 0091) — L-Type Multiplex — LWM-2 and LWM-6 Wideband Modems
756-141-079	1	Form No. BISP 61-0079 (Program Matrix 0079) — L-Type Multiplex — Receiving Group Bank Bay (J68772B-2)	756-141-092	1	Form No. BISP 61-0092 (Program Matrix 0092) — Voice-Frequency Transmission Maintenance — Connector Bay
756-141-080	1	Form No. BISP 61-0080 (Program Matrix 1080) — General Purpose Form	756-141-093	1	Form No. BISP 61-0093 (Program Matrix 0093) — H-310-068 Mounting of 200- Type Delay Equalizers
756-141-081	1	Form No. BISP 61-0081 (Program Matrix 0081) — L-Type Multiplex — Receiving and Transmitting Supergroup High Frequency Patch Bays	756-141-094	1	Form No. BISP 61-0094 (Program Matrix 0094) — H-310-070 Mounting of 200- Type Delay Equalizers
756-141-082	1	Form No. BISP 61-0082 (Program Matrix 0082) — L-Type Multiplex — L600A and L1860A — Common Bay	756-141-095	1	Form No. BISP 61-0095 (Program Matrix 0095) — Loop Signaling Repeaters
756-141-083	2	Form No. BISP 61-0083 (Program Matrix 0083) — Mastergroup Multiplex 2 Terminal MMX-2C for L4 Coaxial Systems and MMX-2R for TH-1 ( ), TD-1 ( ), and TD-3 Radio Systems	756-141-096	1	Form No. BISP 61-0096 (Program Matrix 0096) — Range Extenders, VF Gain (Regular) Equipment
756-141-084	1	Form No. BISP 61-0084 (Program Matrix 0084) — D2 Channel Bank, Channel Units	756-141-099	1	Form No.3 BISP 61-0097 Through 61-0099 (Program Matrixes 0097 Through 0099) — Specified Plug-Ins Classified as Minor Expense Items
756-141-085	1	Form No. BISP 61-0085 (Program Matrix 0085) — D2 Channel Bank Equipment — Common, SMA, and Power Supply Units	756-141-100	2	Form No. BISP 61-0100 (Program Matrix 0100) — M1-2 Digital Multiplex
756-141-086	2	Form No. BISP 61-0086 (Program Matrix 0086) — Type F AC Trunk Signaling System — FUA and Auxiliary Signaling Units — KS-20981 L-1, L-2 Ringers	756-141-101	1	Form No. BISP 61-0101 (Program Matrix 0101) — M1-2 Digital Multiplex, 4213 and 4214 Networks
756-141-087	1	Form No. BISP 61-0087 (Program Matrix 0087) — N-Carrier Program Terminal	756-141-102	1	Form No. BISP 61-0102 (Program Matrix 0102) — Dial Long Line Unit
756-141-088	1	Form No. BISP 61-0088 (Program Matrix 0088) — Voice Operated Switch Gain Repeaters	756-141-103	1	Form No. BISP 61-0103 (Program Matrix 0103) — Low Voltage Data Sets
756-141-089	1	Form No. BISP 61-0089 (Program Matrix 0089) — 43A1 Carrier Telegraph Systems	756-141-111	2	Form Nos. BISP 61-0104 Through 61-0111 (Program Matrix 4104 Through 4111) — Portable Test Sets and Tools — Designated as CPR 77,XXX and 78,XXX Items — WE® Manufactured
756-141-090	1	Form No. BISP 61-0090 (Program Matrix 0090) — AR Type Data Circuit Packs	756-141-112	1	Form No. BISP 61-0112 (Program Matrix 0112) — T1 Carrier D1, D1A, D1B, D1C, and D1D Bank Equipment — Channel Units

Number	Issue	Subject	Number	Issue	Subject
756-141-113	1	Form No. BISP 61-0113 (Program Matrix 0113) — T1 Carrier, D1, D1A, D1B, D1C, and D1D Bank Equipment — Group Units	756-141-126	1	Form No. BISP 61-0126 (Program Matrix 0126) — T1 Carrier — Nodal Timing Supply Bay (J70177E-1)
756-141-114	1	Form No. BISP 61-0114 (Program Matrix 0114) — L-Type Multiplex-A6 Channel Bank (J68929)	756-141-127	1	Form No. BISP 61-0127 (Program Matrix 0127) — T1 Carrier Two-Shelf Office Channel Unit Assembly (J70177AB), Three-Shelf Office Channel Unit and Power Assembly (J70177AA), and Data Multiplex Performance Monitor Shelf Assembly (J70177AF)
756-141-115	1	Form No. BISP 61-0115 (Program Matrix 0115) — E Signaling E&M Lead Applique	756-141-128	1	Form No. BISP 61-0128 (Program Matrix 0128) — T1 Carrier — Local Timing Supply and T1DM Assembly (J70177AG) and Data Multiplexer Shelf (J70177AD)
756-141-116	1	Form No. BISP 61-0116 (Program Matrix 0116) — L-Type Multiplex — A6 Channel Bank — Unitized Terminal Bay (J98626)	756-141-129	1	Form No. BISP 61-0129 (Program Matrix 0129) — T1WB4 Data — Voice Multiplexer — Shelf Assembly (J70177AP)
756-141-117	1	Form No. BISP 61-0117 (Program Matrix 0117) — FU-Type Signaling Units on J98624B, E, F, G (Consolidated Bay) — J98626C, F (Unitized Terminal Bay)	756-141-130	1	Form No. BISP 61-0130 (Program Matrix 0130) — T1 Carrier — Four-Shelf T1DM — Multiplexer Assembly (J70177AE)
756-141-118	1	Form No. BISP 61-0118 (Program Matrix 0118) — T1 Carrier, D3 Channel Bank — Channel Units	756-141-132	1	Form No. BISP 61-0132 (Program Matrix 0132) — T2 Carrier Span Terminating Bay — Office Repeater Units
756-141-119	1	Form No. BISP 61-0119 (Program Matrix 0119) — T1 Carrier, D3 Channel Bank — Common, Maintenance and Hot Spare Units	756-141-133	1	Form No. BISP 61-0133 (Program Matrix 0133) — T2 Carrier Span Terminating Bay — Protection Switching, Power and Alarm Units
756-141-120	1	Form No. BISP 61-0120 (Program Matrix 0120) — Subscriber Loop Multiplexer — Central Office Equipment	756-141-134	1	Form No. BISP 61-0134 (Program Matrix 0134) — T2 Carrier Span Terminating Power Supply Bay
756-141-121	1	Form No. BISP 61-0121 — (Program Matrix 0121) — Subscriber Loop Multiplexer — Remote Terminal Equipment	756-141-135	1	Form No. BISP 61-0135 (Program Matrix 0135) — T2 Carrier Regenerator and Maintenance Unit Located on Repeater Bays or in Manholes and Shelters
756-141-122	1	Form No. BISP 61-0122 (Program Matrix 0122) — KS-20988 Multi-Channel Subscriber Carrier — Central Office Shelves	756-141-136	1	Form No. BISP 61-0136 (Program Matrix 0136) — T2 Carrier Intermediate Power Supply Bay and Repeater Bay Power Units
756-141-123	1	Form No. BISP 61-0123 (Program Matrix 0123) — Multichannel Subscriber Carrier — KS-20988 — Subscriber Terminals and Repeaters			
756-141-124	1	Form No. BISP 61-0124 (Program Matrix 0124) — Low Voltage Data Sets			
756-141-125	1	Form No. BISP 61-0125 (Program Matrix 0125) — T1 Carrier Substrate Data Multiplexer Bay			

Number	Issue	Subject	Number	Issue	Subject
<b>756-151 PICS/DCPR Users' Manuals</b>			756-152-320	1	Monthlies
756-151-000	1	On-Line Programs	756-152-330	1	Annuals
756-151-101	1	On-Line Inquiry Programs — Transaction Files	756-152-400	1	On-Line System Performance
756-151-102	2	On-Line Inquiry Programs — Order Files	756-152-410	1	Reference Files
756-151-103	1	On-Line Inquiry Programs — CPR Inventory Files	756-152-420	1	File Integrity Analysis
756-151-104	1	On-Line Inquiry Programs — ECI Inventory Files	756-152-430	1	System Backup and File Maintenance
756-151-105	1	On-Line Inquiry Programs — Miscellaneous File	<b>756-153 Users' Manuals — Batch Runs</b>		
756-151-106	1	On-Line Inquiry Programs — Financial Reference File	756-153-011	1	Create Reconciliation and Analysis History File
756-151-107	1	On-Line Inquiry Programs — Lo- cation Table	756-153-012	1	PICS Report 40
756-151-108	1	On-Line Inquiry Programs — Equipment Table	756-153-014	1	PICS Report 43C
756-151-201	1	On-Line Update Programs — Transactions	756-153-101	1	Extract ECI Conversion Table
756-151-202	1	On-Line Update Programs — Order Files	756-153-102	1	PICSUSER (Run 21)
756-151-203	1	On-Line Update Programs — CPR Inventory Files	756-153-103	1	PICSCSER (Run 15)
756-151-204	1	On-Line Update Programs — ECI Inventory	756-153-104	2	PICRSRER (Run 11)
756-151-205	2	On-Line Update Programs — Miscellaneous Files	756-153-105	1	PICSPSER (Run 9)
756-151-206	2	On-Line Update Programs — Financial Reference Files	756-153-106	1	PICSUECI (Run 7)
756-151-207	1	On-Line Update Programs — Lo- cation Tables	756-153-107	1	PICSCECI (Run 17)
756-151-208	1	On-Line Update Programs — Equipment Tables	756-153-108	1	PICSRECI (Run 13)
<b>756-152 Batch Run Dependencies</b>			756-153-109	1	PICSPECI (Run 19)
756-152-010	1	Overview	756-153-120	1	Extract Location Conversion Table
756-152-110	1	Plug-In Inventory Records	756-153-121	1	Extract Price Conversion Table
756-152-120	1	Inventory and Investment	756-153-122	1	Extract Tax Table
756-152-130	1	Inventory Management Control	756-153-123	1	Extract Reference Conversion Tables
756-152-200	1	Equipment Acquisition	756-153-125	1	PICSCVRN (Run 4)
756-152-210	1	Circuit Orders	756-153-126	1	PICSAGES (Run 5)
756-152-220	1	Repair	756-153-127	1	PICSULOC (Run 8)
756-152-230	1	Back Orders	756-153-128	1	PICSCLOC (Run 18)
756-152-300	1	DCPR Records	756-153-129	1	PICSRLOC (Run 14)
756-152-310	1	DCPR Processing	756-153-130	1	PICSPLOC (Run 20)
			756-153-131	1	PICSUPRC (Run 6)
			756-153-132	1	PICSCPRC (Run 16)
			756-153-133	1	PICSRPRC (Run 12)
			756-153-134	1	PICSPPRC (Run 10)
			756-153-151	1	IH PICSCVRN (Run 4)
			756-153-152	1	IH PICSAGES (Run 5)
			756-153-153	1	IH PICSPPRC (Run 10)
			756-153-154	1	IH PICSPLOC (Run 20)
			756-153-155	1	CSRI Initialization
			756-153-156	1	CSRI File Backup
			756-153-160	1	Print Files 5, 7, 9

Number	Issue	Subject	Number	Issue	Subject
756-153-161	1	Ordersub	756-153-234	1	Print File 18
756-153-162	1	Zero CS CPR and ECI	756-153-235	1	Print File 19
756-153-163	1	Restore File 5	756-153-236	1	Print File 20
756-153-164	1	Restore File 7	756-153-237	1	Print File 21
756-153-165	1	Restore File 9	756-153-238	1	Print File 22
756-153-166	1	Newdiffr	756-153-239	1	Print File 23
756-153-167	1	CSRI Actual Average Price Table	756-153-240	1	Print Explosion Table Catalog
756-153-180	1	CPR Update	756-153-241	1	Print File 24
756-153-181	1	Load CS CPR	756-153-242	1	Print File 25
756-153-182	1	Restore Original File 9 (MS CPR)	756-153-243	1	Print Price Table Vertically
756-153-184	1	File 9 Backup of MS CPR Load	756-153-244	1	Print File 6 by CPR
756-153-185	1	ECI Update	756-153-245	1	Print File 6 by ECI
756-153-186	1	Restore Original File 4 (MS LOC ECI)	756-153-246	1	Print File 2 With Indicators
756-153-188	1	File 4 Backup of MS LOC ECI Load	756-153-247	1	Print File 19(DR)
756-153-189	1	Load CS ECI	756-153-248	1	Print File 4 by CLLC
756-153-190	1	Restore Original File 5 (MS CS ECI)	756-153-249	1	Print File 4 by Equipment Code
756-153-192	1	File 5 Backup of MS CS ECI Load	756-153-301	1	PICS File Save
756-153-201	1	On-Line	756-153-302	1	Daily Performance Statistics
756-153-211	1	Print File 1	756-153-303	1	Weekly Performance Statistics
756-153-212	3	Print File 2	756-153-304	1	Print Reconciliation and File Analysis Reports
756-153-213	1	Print File 2A	756-153-305	1	Print Shipping Notice
756-153-214	1	Print File 2B	756-153-306	1	Reorganize File 6
756-153-215	1	Print PIFC/J Draw	756-153-307	1	Reorganize File 17
756-153-216	1	Print File 3	756-153-308	1	Reorganize File 24
756-153-217	1	Print File 4	756-153-401	1	PICS File Restore A
756-153-218	1	Print File 4A	756-153-402	1	PICS File Restore B
756-153-219	1	Print File 5	756-153-501	1	Transaction Delete
756-153-220	1	Print File 5A	756-153-502	1	File 7 Purge
756-153-221	1	Print File 6	756-153-503	1	File 13 Purge
756-153-222	1	Print File 7	756-153-504	1	File 15 Purge
756-153-223	1	Print File 7A	756-153-505	1	Update Tax Table
756-153-224	1	Print File 8	756-153-507	1	CPR Catalog Update
756-153-225	1	Print File 9	756-153-508	1	Check ECI to ECIG
756-153-226	1	Print File 10	756-153-509	1	Price Table Update
756-153-227	1	Print File 11	756-153-510	1	Price Table Restore
756-153-228	1	Print File 12	756-153-511	1	Delete ECI
756-153-229	1	Print File 13 (Back Orders)	756-153-512	1	MS Delete ECI
756-153-230	1	Print Pending Circuit Orders	756-153-611	1	Change HW Reconciliation Limits
756-153-231	1	Print File 13 (Repair Log)	756-153-612	1	Change PI Definition
756-153-232	1	Print File 14	756-153-613	1	Change PIOC Retirement Default Factor
756-153-233	1	Print File 15	756-153-614	1	PICS Monthly Initialization
			756-153-615	1	PIOC Factor Initialization



Number	Issue	Subject	Number	Issue	Subject
<b>756-161 PICS/2 — Plug-In Movement — Instructors' Guide</b>			756-169-330	1	Control Forms — 300.C
756-161-310	1	Receiver Inputs — 300.A	756-169-340	1	Initiate Transactions — 300.D
756-161-320	1	Process Work Orders — 300.B, Part 1	756-169-350	1	Verify Transactions — 300.E
756-161-321	1	Process Work Orders — 300.B, Part 2	756-169-360	1	Correct Errors — 300.F
756-161-330	1	Control Forms — 300.C	<b>756-170 PICS/2 — Plug-In Movement — Position Practice</b>		
756-161-340	1	Initiate Transactions — 300.D	756-170-310	1	Receive Inputs — 300.A
756-161-350	1	Verify Transactions — 300.E	756-170-320	1	Process Work Orders
756-161-360	1	Correct Errors — 300.F	756-170-330	1	MOV — Control Forms — 300.C
<b>756-162 PICS/2 — Evolution of PICS and System Orientation Manual</b>			756-170-340	1	Initiate Transactions — 300.D
756-162-101	2	The Evolution of PICS — A BISP Product (16 mm Film)	756-170-350	1	Verify Transactions
756-162-110	1	Manual — Part 1 — General Orientation	756-170-360	1	Correct Errors — 300.F
756-162-111	1	Manual — Part 2 — Plug-In Acquisition and Repair	<b>756-172/175 Folders (Program, Run Processing, Etc.)</b>		
756-162-112	1	Manual — Part 3 — Plug-In Movement	756-172-100	1	PICS/2 — Program
756-162-113	1	Manual — Part 4 — Reference File Maintenance	756-173-100	1	PICS — Run Processing
756-162-114	1	Manual — Part 5 — DCPR Processes	756-174-100	1	PICS — Process Entity
756-162-130	2	Introduction to PICS/DCPR	756-175-100	1	PICS — Load Module
756-162-141	2	CRT Training Manual for the IBM 3270 System	<b>756-180 Administrative Guide and Audit Manuals</b>		
756-162-160	2	An Overview of Reference File Maintenance	756-180-100	1	Central Stock — Administrative Guide
756-162-162	1	PICS/2 — An Overview of Plug-In Acquisition and Repair	756-180-200	1	PICS/1 — Operations Audit Manual
756-162-300	1	An Overview of Plug-In Movement	756-180-210	1	Audit Manual
<b>756-163 PICS/DCPR — Slide/Tape Orientation</b>			<b>756-182 EDP System Manuals and PICS-BIS/Trunks</b>		
756-163-000	1	Slide/Tape Orientation	<b>EDP System Manuals</b>		
<b>756-169 PICS/2 — Plug-In Movement — Instructors' Answer Book</b>			756-182-200	1	Introduction and Index
756-169-310	1	Receive Inputs — 300.A	756-182-201	1	EDP System Overview
756-169-320	1	Process Work Orders — 300.B, Part 1	756-182-202	2	Hardware Configuration
756-169-321	1	Process Work Orders — 300.B, Part 2	756-182-203	1	Software Environment
			756-182-204	1	Telecommunications
			756-182-205	1	Maintenance
			756-182-206	1	PSS — Computer Center Operations
			756-182-207	1	Backup and Reconstruction
			756-182-208	1	File Reorganization and Storage Allocation
			756-182-209	1	Data Base Purge Procedures
			756-182-210	1	Security Maintenance
			756-182-211	1	Performance Evaluation
			756-182-212	1	Inventory and Conversion Subsystem

Number	Issue	Subject	Number	Issue	Subject
756-182-213	1	Monthly Processes	● 756-365-142	1	Instructor Guide — Trunk Statistics — Card 470 — Input Position
756-182-214	1	Annual Processes	● 756-365-143	1	Student Manual — Trunk Statistics — Card 470 — Input Position
756-182-215	1	Messages and Codes	● 756-365-144	1	Instructor Guide — Recycle Control — Card 500 — Input Position
756-182-216	1	Data Base and Machine Interface Layouts	● 756-365-145	1	Student Manual — Recycle Control — Card 500 — Input Position
756-182-217	1	Program Linkage Trees	● 756-365-146	1	Instructor Guide — Report Control — Card 501 — Input Position
<b>PICS-BIS/Trunks</b>			● 756-365-147	1	Student Manual — Report Control — Card 501 — Input Position
756-182-910	1	Amigos User's Manual	● 756-365-148	1	Instructor Guide — Miscellaneous Traffic Measurement — Card 502-503 — Input Position
756-182-920	1	Hyper-Faster User's Manual	● 756-365-149	1	Student Manual — Miscellaneous Traffic Measurement — Card 502-503 — Input Position
<b>756-3 S&amp;E Trunk Forecasting</b>			● 756-365-150	1	Print Control File — Card 800 — Input Position
<b>756-365 No. 5 Crossbar — COERs (Central Office Equipment Reports)</b>			● 756-365-151	1	Student Manual — Print Control File — Card 800 — Input Position
● 756-365-130	1	Instructor Guide — Office Characteristics — Card 100 — Input Position	● 756-365-152	1	Instructor Guide — Print Reports — Card 900 — Input Position
● 756-365-131	1	Student Manual — Office Characteristics — Card 100 — Input Position	● 756-365-153	1	Student Manual — Print Reports — Card 900 — Input Position
● 756-365-132	1	Instructor Guide — Busy Hour Determination — Card 200 — Input Position	● 756-365-160	1	System Manual — Training Materials
● 756-365-133	1	Student Manual — Busy Hour Determination — Card 200 — Input Position	● 756-365-161	1	System Manual Training — Instructor Guide
● 756-365-134	1	Instructor Guide — Main Station Statistics — Card 410 — Input Position	● 756-365-162	1	Training and Administration Guide
● 756-365-135	1	Student Manual — Main Station Statistics — Card 410 — Input Position	<b>756-375 No. 5 Crossbar — COER System</b>		
● 756-365-136	1	Instructor Guide — Main Station Statistics — Card 420 — Input Position	● 756-375-121	1	Description
● 756-365-137	1	Student Manual — Main Station Statistics — Card 420 — Input Position	● 756-375-122	1	Office Characteristics — System Input Documents
● 756-365-138	1	Instructor Guide — Main Station Statistics Cards 430-440-450 — Input Position	● 756-375-123	1	System Output Reports
● 756-365-139	1	Student Manual — Main Station Statistics Cards 430-440-450 — Input Position	● 756-375-124	1	Support Instructions
● 756-365-140	1	Instructor Guide — Trunk Statistics — Card 460 — Input Position	● 756-375-125	1	Error Code Lists
● 756-365-141	1	Student Manual — Trunk Statistics — Card 460 — Input Position	● 756-375-126	1	System Glossary
			● 756-375-127	1	Index
			● 756-375-130	1	Position Practice — Prepare Office Characteristics — Input Record — Card 100
			● 756-375-132	1	Position Practice — Prepare Busy Hour Determination — Input Record — Card 200

Number	Issue	Subject
● 756-375-134	1	Position Practice — Prepare Main Station Statistics — Input Record — Card 410
● 756-375-136	1	Position Practice — Prepare Main Station Statistics — Input Record — Card 420
● 756-375-138	1	Position Practice — Prepare Main Station Statistics — Input Records — Cards 430-440-450
● 756-375-140	1	Position Practice — Prepare Trunk Statistics — Input Record — Card 460"
● 756-375-142	1	Position Practice — Prepare Trunk Statistics — Input Record — Card 470"
● 756-375-144	1	Position Practice — Prepare Recycle Control — Input Record — Card 500"
● 756-375-146	1	Position Practice — Prepare Report Control — Input Record — Card 510
● 756-375-148	1	Position Practice — Prepare Miscellaneous Traffic Measurement — Input Records — Cards 502-503
● 756-375-150	1	Position Practice — Prepare Print Control File — Input Record — Card 800"
● 756-375-152	1	Position Practice — Prepare Print Reports — Input Record — Card 900

**756-5 TIRKS E1 (Trunks Integrated Records Keeping System)**

**756-545 IEOCS (Interim Equipment Order Control System)**

756-545-010	3	System Description
756-545-020	3	Installation Guide
756-545-201	2	Dictionary of HECI (ECI) Data for Job Specifications
756-545-601	2	Instructor's Guide — Process I/O Media — Position 701
756-545-602	3	Instructor's Guide — Process Job Spec — Position 702
756-545-603	3	Instructor's Guide — Prepare Equipment Inventory Update Input Form — Position 703
756-545-604	2	Instructor's Guide — Process Errors and Printouts — Position 704

Number	Issue	Subject
756-545-701	3	Process I/O Media — Position 701
756-545-702	4	Process Job Spec — Position 702
756-545-703	3	Prepare Equipment Inventory Update Input Form — Position 703

**756-547 ECP-1A (Equipment Conversion Package-1A)**

756-547-010	2	System Description (Provisional)
756-547-202	3	Match Tape Dictionary
756-547-601	1	Instructor Guide — Identify Batches — Position 701
756-547-602	2	Instructor's Guide — Order and Receive ORIs/Triple Os/Microfilms — Position 702
756-547-603	1	Instructor's Guide — Identify Drawings — Position 703
756-547-604	2	Instructor's Guide — Order and Receive Drawings — Position 704
756-547-605	2	Instructor's Guide — Identify Jobs — Position 705
756-547-606	2	Instructor's Guide — Prepare Input Forms — Position 706
756-547-607	2	Instructor's Guide — Verify Input Forms — Position 707
756-547-608	1	Instructor's Guide — Process Input/Output Media — Position 708
756-547-609	1	Instructor's Guide — Correct Error — Position 709
756-547-610	1	Instructor's Guide — Process Inventory Media — Position 710
756-547-611	1	Instructor's Guide — Conduct Inventories — Position 711
756-547-612	1	Instructor's Guide — Process Corrections — Position 712
756-547-701	3	Identify Batches — Position 701 (Provisional)
756-547-702	2	Order and Receive ORIs/Triple Os/Microfilms — Position 702 (Provisional)
756-547-703	2	Identify Drawings — Position 703 (Provisional)
756-547-704	2	Order and Receive Drawings — Position 704 (Provisional)
756-547-705	2	Identify Jobs — Position 705 (Provisional)



<b>Number</b>	<b>Issue</b>	<b>Subject</b>
756-547-706	4	Prepare Input Forms — Position 706 (Provisional)
756-547-707	3	Verify Input Data (Provisional)
756-547-708	4	Process I/O Media — Position 708 (Provisional)
756-547-709	4	Correct Errors — Position 709 (Provisional)
756-547-710	3	Process Inventory Media — Position 710 (Provisional)
756-547-711	3	Conduct Inventories — Position 711
756-547-712	3	Process Corrections — Position 712
 <b>756-548 ECP-1B</b>		
756-548-000	1	Overview

**Division 759**

**Business Information Systems — Time Share Program**

**759-000 Index**

-100 Index and General Information — COEES

-150 COEES User Practices

-190 Central Office Equipment Engineering System

Number	Issue	Subject
<b>759-000 Index</b>		
759-000-000	11	Numerical Index — Division 759 — Business Information Systems — Time Share Program

**759-100/120 Index and general information — COEES**

□ 759-100-000	26	Subject Index — Division 759-1 — Central Office Equipment Estimation System (COEES)
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**User and Administration Guide**

□ 759-100-100	9	General Description
759-120-110	5	User and Administrative Guide — No. 5 Crossbar
759-120-120	9	User and Administrative Guide — 1/1A Planning
759-120-130	4	User and Administrative Guide — 2/2B ESS™ — Planning
□ 759-120-150	8	1/1A ESS™ Switching Equipment — Mechanized Ordering — Equipment Engineering and Traffic Engineering Considerations — User and Administrative Guide
□ 759-120-160	8	Information System — User Guide

**759-150/160 COEES User Practices**

**Functions/Outputs/Calculations**

759-150-050	7	System Functions and Outputs
759-150-100	8	Common Functions and Outputs

Number	Issue	Subject
□ 759-150-101	7	Telephone Company Factors
759-150-104	1	Estimation System Accelerated Depreciation (Dominion of Canada)
759-150-110	3	System Functions and Outputs — Step-by-Step Equipment
□ 759-150-114	16	System Functions and Outputs — 1/1A ESS™ Switching Equipment
759-150-116	9	System Functions and Outputs — 2/2B ESS Switching Equipment
759-150-118	4	No. 5XB — System Junctions and Outputs
759-150-120	4	Interpreting Input Data — Step-By-Step
759-150-122	3	No. 1/1A International — Interpreting Input Data
759-150-126	11	Interpreting Input Data — 2/2B ESS Switching Equipment
759-150-128	8	Interpreting Input Data — No. 5 Crossbar Equipment
759-150-142	2	1A ESS Switch — Equipment Required Calculations — 1/1A International
□ 759-150-124	18	Interpreting Input Data — 1/1A ESS Switching Equipment
□ 759-150-144	12	Equipment Required Calculations — 1A ESS Switches
759-150-146	6	Equipment Required Calculations — 2/2B ESS Switching Equipment
759-150-148	6	No. 5XB Equipment — Equipment Required Calculations
759-150-150	3	Equipment Pricing Calculations — Step-By-Step Equipment
759-150-154	6	1/1A ESS Switching Equipment — Equipment Pricing Calculations
759-150-156	5	Equipment Pricing Calculations — 2/2B ESS Switching Equipment
759-150-158	5	No. 5 Crossbar Equipment Pricing Calculations
759-150-164	1	Central Office Equipment — Estimation System — Traffic Engineering Applications — No. 1 ESS Equipment
759-160-130	20	Pocket Reference Card — 1/1A ESS System

Number	Issue	Subject	Number	Issue	Subject
□ 759-160-131	7	Pocket Reference Card — 1/1A ESS Data	<b>2/2B ESS</b>		
□ 759-160-132	18	Pocket Reference Card — Order Operations — 1/1A ESS System	759-192-560	2	2/B Price Data — Equipment Worksheet
			759-192-661	9	2/2B Current Plan Data — Forecast Worksheet
<b>International</b>			759-192-663	9	2/2B Plan Data Traffic — Engineering Data Worksheet
759-160-170	1	Pocket Reference Guide — 1A International	759-192-664	7	No. 2/2B ESS Plan Data — Trunk Data Worksheet
759-160-171	1	Pocket Reference Guide — 1A International Data	759-192-665	5	No. 2/2B ESS Centrex Data Worksheet
759-160-172	1	Pocket Reference Guide — 1A International Order	759-192-666	8	2/2B Management Objective and Maintenance Margin Overrides
759-160-173	1	Pocket Reference Guide — International Info	759-192-667	1	No. 2/2B ESS Plan Data — Remote Switching System Data Worksheet
			759-192-760	8	No. 2/2B ESS Stored Data
<b>759-190 Central Office Equipment Engineering System (COEES)</b>			<b>No. 5XB</b>		
<b>1/1A ESS</b>			759-194-580	8	Price Data — 2-Wire Basic Equipment Worksheet
759-190-344	2	No. 1/1A ESS Stored Data	759-194-581	7	No. 5XB Price Data — Trunk Equipment Worksheet
759-190-649	10	No. 1/1A ESS Network Capacity Worksheet for Local or Combined Local/Toll Office	759-194-582	5	No. 5XB Price Data — Billing and Translation Equipment Worksheet
759-191-346	1	No. 1A Stored Data (Trunks) and Ordering System Trunk Forecast Existing or Proposed International Trunk Circuits	759-194-583	6	No. 5XB Price Data — 2-Wire Basic Equipment Worksheet
759-191-347	1	No. 1A Stored Data — International Equipment	759-194-584	6	No. 5XB Price Data — A10D, ACD, Centrex and LLP Equipment Worksheet
759-191-349	1	No. 1A Office Dependent Miscellaneous Data and Equipment — International — Existing or Proposed	759-194-585	7	No. 5XB Price Data — Test Equipment Worksheet
759-191-451	1	No. 1A ESS Traffic Engineering Transceiver Load Data for International Switches	759-194-586	1	No. 5XB Price Data — Reuse/ML 2-Wire Basic Equipment Worksheet
759-191-453	1	International Memory Worksheet	759-194-680	7	No. 5XB Plan Data — Forecast and Load Data Worksheet
759-191-541	3	No. 1/1A Price Data Equipment Worksheet — International Circuits	759-194-681	6	No. 5XB Trunk Forecast Input
759-191-644	1	No. 1A ESS Traffic Engineering — Planning Transceiver Load Data and Call Capacity for International Switches	759-194-682	5	No. 5XB Plan Data — Automatic Message Accounting Data Worksheet
759-191-647	1	No. 1A ESS Trunk Forecast Input — International Circuits	759-194-683	4	No. 5XB Plan Data — Centrex Data Worksheet
759-191-652	1	No. 1A ESS International Memory Worksheet — Planning	759-194-684	5	No. 5XB Plan Data — Specific Frame and Unit Worksheet
			759-194-780	6	No. 5XB Store Data

Number	Issue	Subject
<b>Step-By-Step</b>		
759-195-500	4	Step-By-Step Price Data — Basic Equipment Worksheet
759-195-501	4	Step-By-Step Trunk and Miscel- laneous Unit Worksheet
759-195-502	3	Step-By-Step Cama and ANI Worksheet
759-195-503	4	Step-By-Step Miscellaneous Equipment Worksheet Total
759-195-504	4	Step-By-Step Common Control and Touch Tone Worksheet
759-195-505	2	Step-By-Step Basic Equipment Worksheet
759-195-506	4	Step-By-Step Trunk and Miscel- laneous Worksheet
759-195-507	3	Step-By-Step Cama and ANI Worksheet
759-195-508	4	Step-By-Step Common Control Tone Worksheet



Number	Issue	Subject	Number	Issue	Subject
760-100-084	1	T1, T1/OS, T1C, and T2 — Digital Carrier Terminal Office Planning	■ 760-200-100	2	Structural Floors (12-94)
760-100-085	1	Digital Carrier Terminal Offices	760-200-110	4	Raised Floor Systems
760-100-086	1	FT3 and FT3C Lightwave Digital Transmission Systems — Terminal Office Planning Guidelines	■ 760-200-120	2	Raised Floor Design Standards for NSD Equipment Locations
760-100-090	1	Distributing Frame Systems and Interconnecting Cabling — Building Planning	■ Appendix 1	2	AT&T Procurement Requirements for Raised Seismic Access Floor (SAF) System
760-120-150	1	Electronic Data Processing Center — Building Project Planning	760-200-150	1	Column Designation
760-120-160	1	Service Operations Centers and Garages — Project Planning	760-200-152	2	Column Spacing in Equipment Rooms
Addendum	1		760-200-154AC	1	Administrative Space Planning Standards
760-150-155	2	Operations Support System — Planning	760-210-150	4	Ceiling Heights for Equipment Buildings
760-150-160	1	Solar Energy Systems — Planning	760-220-100	2	RFI Shielding
760-160-100	2	Fire Protection Planning	760-220-110	2	EMP Shielding
<b>760-2 Design Criteria</b>			760-220-120	1	Lightning and Surge Protection
760-200-010	1	Building Areas — Methods of Measurement	760-220-150	1	Building Planning — General Considerations
760-200-015	1	New Equipment-Building System (NEBS) — Building Engineering Standards — Building Design	Addendum	1	
760-200-020	1	Telephone Buildings — Design Loads	760-220-151	2	Checking Routine Building Project Planning and Design
760-200-021	1	Floor Design Load	■ 760-220-164	1	Storage Systems Combustible Liquid Fuels — Design Installation and Maintenance NOTE: Replaces 760-220-161, 162, 163
760-200-022	1	Wind Design Loads	■ 760-220-165	1	Underground Storage Tanks Combustible and Flammable Liquid Fuels — Removal and Abandonment
760-200-023	1	Earthquake Design Loads	760-230-100	1	Equipment Cooling
760-200-024	1	Nuclear Design Loads	760-230-101	2	Equipment Room Air Distribution
■ 760-200-026	2	Seismic Zone Classification for The 145 Critical Network Offices (12/94)	760-230-110	2	Air Filtration
760-200-030	2	Cable Entrance Facility (CEF)— Building Planning and Provision	760-230-120	2	Chilled-Water Distribution
760-200-031	1	CEF Conduit — Entrances, Holes, and Risers	760-230-130	1	Lighting in Equipment Buildings
760-200-032	2	Cable Openings — Design Standards	760-230-140	1	Alarm Systems
760-200-040	1	Floor and Ceiling Anchors	Addendum	1	
760-200-041	1	Equipment Support	760-230-150	1	Noise Control
■ 760-200-050	1	Network Mechanical System Standards (10-94)	760-240-150	3	Service Sink Rooms — General
			760-240-151	5	Toilet Rooms — General
			760-240-152	4	Toilet Rooms — Fixture Spacings
			760-240-153	5	Number of Fixtures Required in Toilet Rooms
			Addendum	1	
			760-245-150	1	Vertical Transportation Engineering Guide

Number	Issue	Subject	Number	Issue	Subject
760-250-150	4	Building Planning for Electronic Data Processing Systems	760-400-105	1	Building Energy Management and Redesign Retrofit (BEMARR) — General Considerations for Electrical Systems
760-260-100	1	Building Energy Management and Redesign Retrofit (BEMARR) — Building Survey Guidelines	760-400-110	1	Building Electrical System — Voltage
■ 760-260-200	1	AT&T Energy Management Manual (2-95)	Addendum	1	
760-280-100	1	Northern Telecom DMS* — Digital Switching System — Mechanical and Electrical System Design Recommendations	760-400-175	3	Procedure for Determining Short Circuit Currents in AC Power Distribution Systems
<b>760-3 Construction Elements</b>			760-400-180	1	Power Systems — Engineering and Operational Review — Building Engineering Checklist
■ 760-300-100AC	1	CPSC (Construction, Planning, Scheduling, and Coordination) — User's Guide	760-400-200	1	Building Electrical Systems — Electrical Load Analysis for Telecommunications Buildings
760-310-100	1	Building Energy Management and Redesign Retrofit (BEMARR) — Building Envelope	760-400-215	1	Building Electrical Systems — Switching Arrangements for Standby Power
760-330-150	5	Cable Openings	760-400-220	1	Building Electrical Systems — Service Entrance and Electric Service Switchboards
760-330-151	1	Core Method of Forming Main Frame Cable Holes	760-400-221	1	Building Electrical Systems — Electric Service Switchboard for 1/1A, 2B, and 5ESS® Switching Equipment Buildings
760-330-152	2	Cable Vaults, Cable Entrances, Detail of Vault Construction and Steel Work of Cable Racks	760-400-230	1	Building Electrical Systems for Data- Processing Buildings
760-340-150	1	Noise Reduction	760-400-300	1	Building Electrical Systems — Equipment and Devices — Selection and Application
760-340-160	2	Flat Roof Grading	760-400-310	1	Building Electrical Systems — Transformers — Selection and Application
760-350-150	4	Interior Finishes of Rooms	760-400-400	1	Building Electrical Systems — Interior Lighting
■ 760-350-151AC	1	Generic Carpet Specification Guideline	760-400-410	1	Building Electrical Systems — Outdoor Lighting
760-360-150	6	Stairway Design — Egress	760-400-415	1	Building Energy Management and Redesign Retrofit (BEMARR) — Energy Efficient Lighting
760-370-150	2	Window Cleaners' Safety Belt Anchors	760-400-500	1	Building Electrical Systems — Ground Fault Protection
760-380-150	2	Air Navigation Obstruction Marking	760-400-510	1	Building Electrical Systems — Grounding
<b>760-4 Electrical</b>			760-400-520	1	Building Electrical Systems — Lightning Arresters — Selection Guidelines
760-400-100	2	General Considerations for Planning, Designing, and the Construction of AC Power Distribution Systems in Telephone Equipment Buildings	760-400-605	1	Building Energy Management and Redesign Retrofit (BEMARR) — Electric Motors
760-400-101	1	AC Power Distribution System Design Criteria (6-93)			

\* DMS is a registered trademark of Northern Telecom Ltd.

Number	Issue	Subject	Number	Issue	Subject
<b>760-5 Mechanical</b>			760-550-204	2	Heating, Ventilating, Air-Conditioning, and Refrigeration Terms — Definition
760-510-150	2	Piping Identification	760-550-205	1	Building Energy Management and Redesign Retrofit (BEMARR) Converting High-Velocity, Constant-Volume, Dual-Duct System Into Low-Velocity, Variable Air Volume System
760-510-151	2	Piping Exposed and Concealed	■ 760-550-208	3	AT&T Engineering Guide for Ventilation and Air-Conditioning Design Parameters and General Planning Information (4-95)
760-520-150	3	Soap Dispensing Systems	Addendum	1	
760-520-151	3	Plumbing Fixtures in Toilet Rooms and House Service Closets	760-550-209	1	Building Energy Management and Redesign Retrofit (BEMARR) — Estimating Telephone Equipment Heat Release
760-530-100	1	Heating Plants — Description and Fundamentals	760-550-210	1	Building Energy Management and Redesign Retrofit (BEMARR) — Air and Water Economy Cycles
760-530-101	1	Heating Plant — Glossary	■ 760-550-212	3	AT&T Engineering Guide for Ventilation and Air-Conditioning Refrigeration Systems (4-95)
760-530-102	1	Steam Boilers — Description	760-550-213	1	Building Energy Management and Redesign Retrofit (BEMARR) — Chiller Systems
760-530-104	1	Hot Water Boilers — Description	760-550-214	1	Building Energy Management and Redesign Retrofit (BEMARR)—Internal Heat Source Heat Pump
760-530-105	1	Domestic Hot Water Heaters — Description	760-550-218	1	KS-21344 Air Diffuser Performance — Data and Application Guidelines
760-530-106	1	Warm Air Furnaces — Description	760-550-231	1	1/1A ESS Switch — Telephone Equipment Buildings — Mechanical System Design Guide
760-530-108	1	Heating Plant Controls — Description and Installation	760-550-232	1	2/2B ESS Switch — Telephone Equipment Buildings — Mechanical System Design Guide
760-530-110	1	Flame Safeguard Controls — Fuel-Burning Heating Plants — Description	760-550-233	1	4ESS™ Switch — Conventional Equipment Cooling Systems
760-530-112	1	Heating Plant Relief Devices — Description	760-550-260	1	Engineering Guide for Ventilation and Air Conditioning — Standard Detail Drawings
760-530-114	1	Combustion Principles and Fuel Storage — Description	760-550-261	1	SD-1 Absorption Refrigeration System — SD-2 Air Compressor Instrument Air — Single Unit
760-530-116	1	Heating Plants — Acceptance Testing	760-550-262	1	SD-3 Air Compressor Instrument Air — Duplex Unit — SD-4 Condensate Cooler Connections
760-530-118	1	Heating Plant Electrical Design — Description			
760-530-150	2	Relief Valves for Hot Water Storage Tanks			
760-530-151	1	Relief Valves for Tankless Hot Water Heaters			
760-540-150	3	Safety Valves for Steam Heating Boilers			
760-540-151	3	Safety Relief Valves for Hot Water Heating Boilers			
760-540-152	1	Relief Valves for Hot Water Supply Boilers			
760-540-153	1	Low Water Cut-off Controls for Oil Burners			
760-550-102	4	Ventilation for Battery Area — Requirements			
760-550-151	5	Ventilation of Transformer Vaults, Heating Plants, Power Rooms, Internal Combustion Engine Rooms, and Gas Meter Compartments			



Number	Issue	Subject	Number	Issue	Subject
760-550-263	1	SD-5 Condenser Connections — City Water or Well Water — SD-6 Converter Connections — Hot Water	760-550-300	2	Modular Cooling System — Planning and Engineering Guidelines
760-550-264	1	SD-7 Cooling Coil Connections — SD-8 Cooling Coil Connections.	760-555-150	2	Atmospheric Environment for Telephone Equipment Space — Considerations and Heat Release Data
760-550-265	1	SD-9 Cooling Tower Connections — Single Cell SD-10 Cooling Tower Connections — Multi-Cell	760-555-151	4	Atmospheric Environment for Telephone Equipment Space
760-550-266	1	SD-11 Duct Connections — Branch Duct Work SD-12 Duct Connections — Branch Duct Work	Addendum	1	
760-550-267	1	SD-13 Duct Support and Rod Penetration Through Duct — SD-14 Duct Symbols	760-560-150	2	Guarding Moving Parts of Machines
760-550-268	1	SD-15 Duct Work Hangers and Supports — SD-16 Duct Work Joints	760-570-100	1	Building Energy Management and Redesign Retrofit (BEMARR) — Heating
760-550-269	1	SD-17 Drain Pan — Concrete — SD-18 Drain Pan — Metal	760-570-400	1	Building Energy Management and Redesign Retrofit (BEMARR) — Pumps and Pumping Systems
760-550-270	1	SD-19 Equipment Isolation Base — SD-20 Expansion Tank — Closed	760-570-500	1	Building Energy Management and Redesign Retrofit (BEMARR) — Heat Recovery
760-550-271	1	SD-21 Expansion Tank — Closed — SD-22 Expansion Tank — Open			
760-550-272	1	SD-23 Heating Coil Connections — Hot Water — SD-24 Heating Coil Connections — Steam			
760-550-273	1	SD-25 and SD-26 Heating Coil Connections — Steam			
760-550-274	1	Pump Detail SD-27 — Pipe Sleeve Detail SD-28			
760-550-275	1	SD-29 Riser Support — Exposed Areas — SD-30 Roof Exhaust Detail			
760-550-276	1	SD-31 Steam Humidifier Connections — SD-32 Steam Separator Connections			
760-550-277	1	SD-33 Steam Turbine and Condenser — SD-34 Symbols for Valves and Fittings			
760-550-278	1	SD-35 Unit Heater Connections — Hot Water — SD-36 Unit Heater Connections — Steam			
760-550-279	1	SD-37 Water Chiller Connections — SD-38 Water to Water Heat Exchange			
			<b>760-6 Fire Protection — Firesafety</b>		
			<b>760-600 Administrative</b>		
			760-600-100	2	Use of Practices
			760-600-110	1	Glossary
			760-600-210	2	Application Criteria for Telephone Equipment Buildings
			■ 760-600-210AC	1	Application Criteria for Telephone Equipment Buildings
			760-600-220	1	Application Criteria for Administrative Buildings
			760-600-230	2	Application Criteria for Electronic Data Processing Buildings
			760-600-240	1	Application Criteria for Garages and Other Work Centers
			760-600-250	1	Application Criteria for Training Facilities and Residential Type Buildings
			760-600-300	1	Application Guide for Leased Facilities
			■ 760-600-315	1	Fire Safety Application
			<b>760-610 Facility Design</b>		
			■ 760-610-105	1	Fire Safety Site Selection
			■ 760-610-115	1	Fire Safety Protection From Exposure Fires

Number	Issue	Subject
■ 760-610-205	1	Fire Safety Egress/Access Requirements
■ 760-610-305	1	Fire Safety Interior Finishes, Furnishings, and Decorations
■ 760-610-405	1	Fire Safety — Fire Resistance Ratings of Structural Elements
760-610-500	1	M & M Protection Consultants — Consulting and Inspection Service
■ 760-610-905	1	Fire Safety — Cafeteria/Kitchen Cooking Areas
■ 760-610-925	1	Fire Safety — Standby Engines

**760-620 Fire Suppression System**

760-620-100AC	1	Fire Protection During Construction
760-620-200	1	Considerations During Central Office Equipment Installation and Removal
■ 760-620-200AC	1	Considerations During Central Office Equipment Installation and Removal

**760-630 Fire Alarm and Detection Systems**

■ 760-630-105	1	General Requirements For Fire Alarm Systems
■ 760-630-305	1	AT&T Fire Safety Practices — Smoke Detection
760-630-400	2	Compartmentation
■ Addendum AC	1	
■ 760-630-400AC	1	Compartmentation
■ 760-630-401	1	AT&T Fire Rated Partitions for Power Rooms in Network Equipment Buildings (6-94)
■ Appendix 1	1	AT&T Procurement Requirements for Power Room Fire Rated Partition Systems (6-94)
760-630-410	2	Firestopping Considerations for Floor and Wall Penetrations and Protection of Cable Runs
■ 760-630-410AC	1	Firestopping Considerations for Floor and Wall Penetration and Protection of Cable Runs
■ Appendix 1AC	1	Material List
760-630-420	1	Modular, Cast-In-Place, Firestop for Distributing Frame Openings

Number	Issue	Subject
<b>760-640 Fire Protection Equipment</b>		
760-640-100	2	Considerations for Heating, Ventilating, and Air Conditioning Systems
■ 760-640-105	1	Fire Safety Selection and Distribution of Portable Fire Extinguishers
760-640-110	2	Considerations for Smoke Control
760-640-300	2	Considerations for Suppression Systems
760-640-310	2	Standpipe and Hose Systems
760-640-320	2	Considerations for Pumps for Fire Service
760-640-400	1	Design Considerations for Halon 1301 Total Flooding Systems

**760-650 Fire Extinguishers**

■ 760-650-105	1	Fire Safety — Fire Prevention During Construction of Alterations
■ 760-650-505	1	Fire Safety — Patrol Service
■ Appendix 1	1	Contacts for AT&T Practice — Fire Safety — Patrol Service
■ 760-650-605	1	Fire Safety — Smoking Regulations

**760-660 Process and Special Hazard Protection**

760-660-100	1	Engineering Provisions for the Firesafety Plan
■ 760-660-105	1	Fire Protection for Mass Solder Operations

**760-7 Building Systems**

760-700-010	1	AT-8559 Auxiliary Radio Relay Station
760-700-020	1	Equipment Building — (KS-21135)

**760-8 Procedures**

760-850-001	1	EMP — Shielding Test Procedures
760-850-010	1	Radio Frequency Interference (RFI) — Shielding Test Procedure

Number	Issue	Subject	Number	Issue	Subject
<b>760-9 Antenna Supporting Structures</b>					
■ 760-925-100	1	Antenna Supporting Structures for UHF Point-to-Point and Mobile Service Applications	760-925-350	2	E Self-Supporting Towers — Foundations
Addendum AC	1		760-925-360	1	E Self-Supporting Towers — Erection
760-925-100AC	1	Antenna Supporting Structures for VHF Point-to-Point and Mobile Service Applications	760-925-450	1	C Self-Supporting Towers — Description
760-925-102	1	Land Requirements for Guyed Towers Under Adverse Terrain Conditions	Addendum	1	
760-925-110	3	E1A Structural Standards for Steel Towers Supporting Antennas	760-925-460	1	C Self-Supporting Towers — Foundations
760-925-130	2	Tower Foundations and Anchors — General	760-925-470	1	C Self-Supporting Towers — Erection
760-925-135	1	Grounding Microwave Towers	760-925-500	2	D Guyed Tower — Description
Addendum	1		Addendum	2	
760-925-140	1	D Support Structure — Description and Construction	760-925-510	1	D Guyed Towers — Foundations and Anchors
760-925-150	1	AT-8562 Waveguide Support	760-925-520	1	D Guyed Towers — Erection
Addendum	1		760-925-560	1	AT-8511 Guyed Towers — Description
760-925-200	2	B Guyed Tower — Description	760-925-570	1	AT-8511 Guyed Towers and AT-8562 Waveguide Support — Foundations and Anchors
Addendum	2		760-925-580	1	AT-8511 Guyed Towers — Erection
760-925-210	2	B Guyed Tower — Foundations and Anchors	760-927-100	1	AT-8676 Self-Supporting Tower — Description
760-925-220	2	B Guyed Towers — Erection	760-927-201	1	AT-8676 Self-Supporting Towers — Foundations
760-925-230	1	Obstruction Lighting, Antenna Heater Supply Circuits, and Provision of Local Talking Circuit for System Standard Guyed and Self-Supporting Towers	760-927-202	1	AT-8676 Self-Supporting Towers — Erection
760-925-250	1	B Self-Supporting Towers — Description			
760-925-260	3	B Self-Supporting Towers — Foundations			
760-925-270	2	B Self-Supporting Towers — Erection			
Addendum	2				
760-925-300	2	Antenna Supporting Structures — Maintenance			
760-925-310	1	E Guyed Towers — Description			
Addendum	1				
760-925-320	1	E Guyed Towers — Foundations and Anchors			
760-925-330	1	E Guyed Towers — Erection			
Addendum	1				
760-925-340	1	E Self-Supporting Towers — Description			

**Division 770**

**Building Operation**

**770-0 Index and equipment test list**

**770-1 Building Service**

- 100 Power and Infrastructure
- 120 Administrative
- 130 Operation
- 140 Specialized Building Services

**770-2 Building Maintenance**

**770-3 Building Fire Protection — Firesafety**

- 330 Extinguishing Equipment
- 340 Firefighting

**770-4 Building Equipment Maintenance**

- 410 HVAC Systems — Refrigeration Systems
- 411 HVAC Systems — Air Handling Systems
- 412 HVAC Systems — Heating Systems
- 413 HVAC Systems — Control Systems
- 420 Pumps

Number Issue Subject

**770-0 Index and Equipment Test List**

770-000-000 82 Numerical Index — Division 770 — Building Operation (5-95)

**770-1 Building Service**

**770-100 Power and Infrastructure**

■ 770-100-005 1 The Site Manager's Guide for the Americans with Disabilities Act (ADA) (3-95)

**770-120 Administrative**

770-120-000 1 Definition and Scope  
 770-120-002 2 Building Service Work, Forecasting Force and Scheduling  
 ■ 770-120-003 1 Use of Automated Building Service Request System (BSR)  
 ■ Appendix 1 1 Building Service Request System — User Guide

Number	Issue	Subject
■ Appendix 2	1	Building Service Request System — Standard Reports User Guide
■ 770-120-004	1	Overview of the Controlled Automated Maintenance System (CAMs)
■ Appendix 1	1	Regional Coordinators
770-120-020	1	Table of Building Cleaning — Procedures and Materials
770-120-021	2	Standard Building Service Supplies — Descriptions
770-120-030	1	Building Service Supplies — Requirements and Storing
770-120-040	1	Building Service Safety
■ 770-120-051AC	1	Building Operations Guidelines for Establishing Personnel and Property Protection Programs
■ 770-120-053AC	1	Building Operations Responsibility Guidelines for the Protection of Proprietary Information
■ Appendix 1AC	1	Sample Procedure for Informing Employees of Local Document Disposal Methods
■ Appendix 2AC	1	Model Contract Document
■ 770-120-055	1	Facilities Protection Manual
■ 770-120-059	1	Leaders Guide — Topics for Training Sessions With Contract-secured Security Personnel
Addendum AC	1	
■ 770-120-080AC	1	Display of the United States Flag and of the AT&T Corporate Flag or Pennant

**770-130 Operation**

770-130-010	1	Dusting (Floor Reach)
770-130-020	1	Maintenance of Carpeting
770-130-050	1	Floor Sweeping
770-130-055	1	Floor Mopping and Scrubbing
770-130-060	1	Resilient Floors — Finishes — Care
770-130-070	1	Floor Waxing
770-130-080	1	Cleaning Hard Floors
770-130-085	1	Floor Guard Stripping Use and Installation
770-130-100	2	Measurement of Slip Resistance of Resilient Floors — Principles and Evaluation
770-130-150	1	Concrete Floors — Maintenance

Number	Issue	Subject	Number	Issue	Subject
770-130-200	1	Restroom Maintenance	■ 770-200-123	1	Elevator Evacuation Procedures
770-130-250	1	Office Furniture — Maintenance	770-210-300	2	Low Pressure Heating Boilers — Basic Fundamentals
770-130-260	1	Interior and Exterior Metals — Maintenance	770-210-301	3	Hot-Water Heating Boilers — Operation and Maintenance
770-130-270	1	Wall and Ceiling Washing	770-210-302	3	Steam Heating Boilers — Operation and Maintenance
■ 770-130-300	1	Considerations for Waste Disposal	770-210-305	1	Fuel Oil Combustion Process, Analysis and Testing of Oil Fired and Natural Gas Burners
<b>770-140 Specialized Building Services</b>					
■ 770-140-000	1	Guidelines for the Use and Disposal of Cleaning Materials	770-210-306	1	Building Heating Fuel Storage — Operating Methods
■ 770-140-001	1	Maintenance of Raised Floor Areas	■ 770-211-101	1	Domestic Water Maintenance (5-95)
770-140-010	1	Floor Maintenance in ESS™ Areas	■ 770-211-102	1	Domestic Water Supply Pump Maintenance (5-95)
770-140-060	1	Building Service Operations in Electronic Data Processing Centers	■ 770-211-103	1	Water Cooler Maintenance (5-95)
770-140-130	1	Cleaning Water Bottles (Carafes) — Vacuum Type	■ 770-211-104	1	Water Conditioner Maintenance (5-95)
■ 770-140-150AC	1	Building Maintenance in Electronic Data Processing Facilities	■ 770-211-105	1	Water Heater Maintenance (5-95)
<b>770-2 Building Maintenance</b>					
770-200-000	1	Building Mechanical Equipment — Scheduling Routine Maintenance	■ 770-215-000	1	Installation, Operation, and Maintenance of Trash Compactors
■ 770-200-010	1	Electrical Safety Procedures	■ 770-215-100	1	Installation, Operation, and Maintenance of Electric Hot Water Heaters
■ Appendix 1	1		■ 770-215-101	1	Installation, Operation, and Maintenance of Gas Fired Hot Water Heaters ‘ ‘
■ 770-200-100AC	1	Building Operations Quality Review	770-215-301	1	Compressed Air Storage Tanks and Associated Equipment — Testing and Maintenance Procedures
■ 770-200-120	2	Elevator/Escalator Inspection and Testing Requirements	■ 770-220-301	4	Air Filter Cell For Unit Ventilators
■ 770-200-121	1	Model Contract Specification for Electric Traction Elevator, Hydraulic Elevator and Escalator Maintenance	■ 770-220-304	2	Ventilating Fans — Maintenance
■ Appendix 1	1	Model Contract Specification for Electric Traction Elevator, Hydraulic Elevator and Escalator Maintenance	■ 770-220-308	2	V-Belts — Installation and Maintenance
■ 770-200-122	1	Model Contract Specification for Electric Traction Elevator, Hydraulic Elevator and	770-225-301	1	KS-20267 Blast Valve — Control Unit — Operating Methods
■ Appendix 1	1	Model Contract Specification for Electric Traction Elevator, Hydraulic Elevator and Escalator Maintenance Escalator Inspection	770-225-309	1	KS-20368 Louver — Blast Valve — Operation and Maintenance
			770-225-310	1	Blast Valve — KS-19992 and KS-20134 — Operation and Maintenance
			■ 770-230-300AC	1	AT&T Practices — Fundamental Principles of Water Conditioning
			■ Appendix 1AC	1	AT&T Model Contracts: Specifications Guidelines for Procuring Chemicals and Feed Equipment

Number	Issue	Subject
■ Appendix 2AC	1	Model Contract Outline
770-240-301	2	Evaporative Condensers
770-240-302	2	Cooling Towers
770-240-303	1	Heating/Cooling Coils
770-250-301	2	Reciprocating Refrigeration Compressors for Air Conditioning Systems
770-250-302	1	Centrifugal Refrigeration for Air Conditioning Systems — Maintenance and Operation
Addendum	1	
770-250-303	1	Absorption Refrigeration Systems — Operation and Maintenance
■ 770-250-305	1	Use and Control of Refrigerants (5-95)
770-260-301	1	Painting — Interior — Switching Equipment Protection
770-260-302	1	Tarpaulins for Protection of Telephone Equipment From Water Damage
770-270-301	1	Care of Lawns and Shrubbery
770-280-503	3	Antenna Supporting Structures — Maintenance
■ 770-280-600AC	1	Electrical Switchgear — Inspection, Maintenance, and Testing
770-280-603	1	Building Electrical System — Thermography — Maintenance
■ 770-280-604AC	1	UPS Maintenance and Testing

**770-3 Building fire protection — Fire Safety**

770-300-100	2	Use of Practices
■ 770-300-200	1	Building Emergency Action Plans
■ 770-300-300	1	Reporting Fires
■ 770-300-300AC	2	Reporting Fires in Buildings and Motor Vehicles
770-310-100	1	Inspection and Consulting Services Available from M&M Protection Consultants
■ 770-310-110AC	1	Insurance Related Firesafety Inspections
■ Appendix 1AC	1	M&M Protection Consultants Regional Offices
■ Appendix 2AC	1	List of AT&T-C Regional Coordinators
■ 770-310-112AC	1	Insurance Related Mechanical, Boiler and Pressure Systems Inspections

Number	Issue	Subject
■ Appendix 1AC	1	List of AT&T-C Regional Coordinators
■ Appendix 2AC	1	List of Factory Mutuals Regional Offices
■ Appendix 3AC	1	Boiler and Machinery Insurance Agreement
■ 770-310-200AC	1	Conducting Monthly Firesafety Inspections
770-310-400	1	Gas Leaks — Inspection and Testing
■ Appendix 1	1	Overview Manufacturing and Supplies
■ Appendix 2	1	Model Contract Specifications for Inspection and Testing of Flammable Combustible Liquid and Gases
770-320-100	2	Occupant Responsibilities
770-320-110	1	Combustible and Flammable Liquids — Storage and Handling

**770-330 Extinguishing Equipment**

770-330-100	2	Portable Fire Extinguishers — Description
■ 770-330-110AC	1	Inspection and Maintenance of Portable Fire Extinguishers
■ Appendix 1AC	1	Model Contract Specifications for Portable Fire Extinguisher — Maintenance
770-330-200	2	Fire Detection Systems — Maintenance
■ Appendix 1	1	Model Contract for the Inspection, Testing, and Maintenance of Local, Auxiliary, Remote Station, and Proprietary Signaling Systems — Overview
■ 770-330-201	1	Guidelines for the Deployment and Use of Self Contained Breathing Apparatus
■ 770-330-202	1	Guidelines for the Deployment and Use of Emergency Escape Breathing Apparatus
■ 770-330-300	3	Water Suppression Systems — Inspection and Maintenance
■ Appendix 1	1	Model Contract for the Inspection, Testing, and Maintenance of Local, Auxiliary, Remote Station, and Proprietary Signaling Systems — Overview
■ 770-330-310	2	Halon Total Flooding Systems — Inspection and Maintenance

Number	Issue	Subject	Number	Issue	Subject
■ Appendix 1	1	Model Contract Specifications for Halon Total Flooding System	<b>770-4 Building Equipment Maintenance</b>		
■ 770-330-320	1	Inspection and Maintenance of Stationary Carbon Dioxide Extinguishing Systems	<b>770-410 HVAC Systems — Refrigeration Systems</b>		
Appendix 1	1	Model Control Specification for Inspection and Maintenance of Stationary Carbon Dioxide Extinguishing Systems	■ 770-410-101	1	HVAC Systems — Chillers Preventive Maintenance (5-95)
■ 770-330-330	1	Inspection and Maintenance of Wet Chemical Extinguishing Systems	▲ 770-410-201	1	HVAC Systems — Cooling Towers/Evaporative Condensers Preventive Maintenance (5-95)
■ Appendix 1	1	Model Contract Specifications for Inspection and Maintenance of Wet Chemical Extinguishing Systems	■ 770-410-301	1	HVAC Systems — Chilled Water Systems Preventive Maintenance (5-95)
■ 770-330-340	1	Inspection and Maintenance of Dry Chemical Extinguishing Systems	■ 770-410-401	1	HVAC Systems — Direct Expansion/Package Units Preventive Maintenance (5-95)
■ Appendix 1	1	Model Contract Specifications for Inspection and Maintenance of Dry Chemical Extinguishing System	<b>770-411 HVAC Systems — Air Handlers</b>		
■ 770-330-350	1	Inspection, Maintenance and Cleaning of Kitchen Exhaust Duct System	■ 770-411-101	1	HVAC Systems — Air Handling Systems Preventive Maintenance (5-95)
■ Appendix 1	1	Model Contract Specifications for the Cleaning of Exhaust Ducting System	<b>770-412 HVAC Systems — Heating Systems</b>		
■ 770-330-360	1	Fire Safety — Inspection and Testing of Fire Doors	■ 770-412-101	1	HVAC — Heating Systems — Steam Boilers (5-95)
■ 770-330-400	2	Fire Safety — Inspection and Testing of Fire Dampers and Fire Shutters	■ 770-412-201	1	HVAC — Heating Systems — Hot Water Boilers (5-95)
■ Appendix 1	1	Model Contract Specifications for Inspection and Testing of Fire and Smoke Dampers and Fire Shutters	■ 770-412-301	1	HVAC — Heating Systems — Gas Burner Units (5-95)
770-330-410	1	Fire Dampers — Inspection and Maintenance	■ 770-412-401	1	HVAC — Heating Systems — Space Heating Units (5-95)
<b>770-340 Firefighting</b>			■ 770-412-501	1	HVAC — Heating Systems — Hot Air Furnaces (5-95)
■ 770-340-100	3	Principles of Firefighting and Use of Equipment	■ 770-412-601	1	HVAC — Heating Systems — Water Treatment (5-95)
■ 770-340-150	1	Guidelines for Interior Structural Firefighting	<b>770-413 HVAC — Control Systems</b>		
■ 770-340-200	2	Firefighter Orientations	■ 770-413-101	1	HVAC — Control Systems — Direct Digital Control (DDC) Systems (5-95)
■ 770-350-100	1	AT&T Fire Safety Fire Stopping of Penetrations (5-93)	<b>770-420 Pumps</b>		
			■ 770-420-101	1	Pumps — Displacement (5-95)
			■ 770-420-102	1	Pumps — Centrifugal (5-95)

**Division 780**

**Network Services Methods**

**780-000 Indexes and General**

- 002 Network Services — Common
- 004 Network Services — Customer Services
- 006 Network Services — Billing
- 101 Network Administration — Common
- 125 Personnel Systems Management
- 150 Network Systems Management
- 200 Network Operations
- 260 Network Administration — Circuit Provision Center
- 271 Network Administration — TIRKS (Trunks Integrated Record Keeping System)
- 350 Measurement Plans Management
- 400 Network Switching Engineering — General Engineering Considerations
- 401 Network Switching Engineering — Trunk Data
- 402 Network Switching Engineering — Trunk
- 403 Network Administration — Trunk
- 404 Network Administration — Routing
- 450 Network Switching Engineering — Announcement Facilities

Number	Issue	Subject
<b>780-000 Indexes</b>		
780-000-000	55	Numerical Index — Division 780 — Network Services Methods (5-95)
① 780-000-010	1	Master Numerical Index — Network Administration — Network Operations Indexes

**780-002 Network Services — Common**

780-002-010	1	Management Guidelines
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**780-004 Network Services — Customer Services**

**CCSA (Common Control Switching Arrangement)**

① 780-004-010	1	Data Collection
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Number	Issue	Subject
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**WATS (Wide Area Telecommunications Service)**

① 780-004-020	2	Outward — Methods
① 780-004-026	2	Enhanced Inward — Methods
① 780-004-028	1	Enhanced Inward — Administrative Plan
① 780-004-029	1	Enhanced Inward — Coordinator Responsibilities
① 780-004-030	1	Enhanced Inward — Service Provision Process
① 780-004-031	1	Network Management Plan — Methods
① 780-004-032	1	Network Support System Reference Guide

**DIS (Dial-It Service)**

① 780-004-050	1	Mass Announcement System — Service Provisioning/Administration/Maintenance Guidelines
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**780-006 Network Services — Billing**

**800 Service Billing**

780-006-010	5/95	AT&T 800 Billing Reference Manual
780-006-011	5/95	AT&T Billing Edge Desktop Analysis Software for Windows 800 Software Package
780-006-012	5/95	AT&T Billing Edge Desktop Analysis Software for Windows 800 Report Reference Guide
780-006-013	5/95	AT&T Billing Edge Desktop Analysis Software for Windows 800 On-line Help Guide
780-006-014	5/95	AT&T 800 Invoice Tape Documentation
780-006-015	5/95	AT&T 800 Call Detail Tape Documentation

**780-101 Network Administration — Common**

**TNDS (Total Network Data System)**

① 780-101-200	1	Performance Measurement Plan
780-101-201	2	Measurement Components and Detector Tests — Description

**Network Data Collection Center**

780-101-210	1	Description
① 780-101-211	1	Data Administration Responsibilities and Interfaces



Number	Issue	Subject	Number	Issue	Subject
780-101-212	1	Staffing Guidelines and Methods	<b>780-200 Network Operations</b>		
<b>DIXC (Data Interchange) System</b>			780-200-020	1	Tones and Announcements — Network Operations Methods
❶ 780-101-254	1	Implementation Procedures	<b>780-260 Network Administration — Circuit Provision Center</b>		
<b>Stored Program Control Systems</b>			❶ 780-260-100	1	Guidelines for Issuing the Circuit Layout Record Card (CLRC)/Work Order Record and Details (WORD)
❶ 780-101-262	2	Central Office Equipment Report — Description and Cost Control — Operations Administration-Common — Network Operations Method	780-260-101	1	Expense Performance — Measurement Plan
<b>780-125 Personnel Systems Management</b>			780-260-102	1	Measurement Plan — Data Collection and Report Generation System — User Guide
<b>Network Administration Center</b>			780-260-103	1	Field Assistance Plan
780-125-013	1	Glossary of Terms	780-260-110	1	Functions — Mid 1980s
❶ 780-125-016	1	Staffing Guidelines and Methods	<b>780-271 Network Administration — TIRKS (Trunks Integrated Record Keeping System)</b>		
❶ 780-125-017	1	Center Evaluation	❶ 780-271-100	1	Description
❶ 780-125-018	1	Center Evaluation — Line and Number Administration	❶ 780-271-103	1	Types of Inventory
❶ 780-125-019	1	Center Evaluation — Translation Administration	❶ 780-271-106	1	Fixed Inventory Loop
❶ 780-125-021	1	Network Switching Administration — 2/2B ESS™ Switches — Operational Standards	❶ 780-271-109	1	Inventory Life Cycle
❶ 780-125-027	1	Translation Administration — Operational Standards	❶ 780-271-115	1	Facility and Equipment Planning
❶ 780-125-028	1	Line and Number Administration — Operational Standards	❶ 780-271-118	1	Administration — Inventory Records — Interoffice Facilities and Equipment
<b>NMMP (Network Maintenance Management Plan)</b>			❶ 780-271-119	1	Equipment Inventory Update Data — Description
780-125-500	1	Personnel Systems Management — Methods	❶ 780-271-121	1	Administration — Assignment Record of Interoffice Facilities and Equipment
780-125-502	1	Work Quality Inspection and Evaluation Program	❶ 780-271-124	1	Records Purification
780-125-504	1	Cost Control and Measurement	❶ 780-271-127	1	Message Trunk Design and Assignment Process
<b>780-150 Network Systems Management</b>			❶ 780-271-130	1	Special Service Design and Assignment Process
780-150-050	1	3A Processor — Introduction	❶ 780-271-131	1	Guidelines — Administration of Multipoint Circuits
❶ 780-150-100	1	Network Manager — Responsibilities	❶ 780-271-133	2	Generic Order Control
❶ 780-150-105	1	Preplanning	❶ 780-271-136	1	Field Assistance Process
❶ 780-150-115	1	Status Indicators and Control Facilities	❶ 780-271-139	1	Inter-Area Administrative and Data Base Interface Considerations
❶ 780-150-210	2	Call Completion Improvement — Interdepartmental Guidelines	❶ 780-271-142	2	Bell System Common Language Considerations

Number	Issue	Subject
① 780-271-145	1	Services Management Considerations
① 780-271-148	1	Division of Revenues Requirements
① 780-271-151	2	Reference Data Base Management
① 780-271-154	1	Data Base Management
780-271-155	1	Data Base Quality Plan
① 780-271-157	1	Change Management Process
① 780-271-160	1	Conversion Planning
① 780-271-163	1	TIRKS/PICS Interface
① 780-271-166	1	Other Operational Support Systems Interfaces
① 780-271-169	1	Reports
① 780-271-172	2	System Performance
① 780-271-175	2	Training
① 780-271-181	1	Application Analysis
① 780-271-184	1	Circuit Order Distribution
780-271-192	1	Service Agreement — Description

**780-350 Measurement Plans Management**

① 780-350-060	1	Matching Loss and Dial Tone Delay — Data Collection Procedures for Network Switching Performance Measurement Plans
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**AT&T WATS (Wide Area Telephone Service) and W8PMP GOC (800 Service Generic Order Control System)**

■ 780-350-070AC	1	Description
■ Appendix 1AC	1	ISSC (Interfunctional Special Services Coordination) and Jeopardy Codes
■ Appendix 2AC	1	Reports Guide — Orders Due and Orders Status — Summaries and Action Reports (Forms P3306)
■ Appendix 3AC	1	Reports Guide — Orders Due and Orders Status — Summaries and Action Reports (Forms P3330)
■ Appendix 4AC	1	Reports Guide — Past Due Orders Reports — Summaries and Listing

Number	Issue	Subject
<b>780-400 Network Switching Engineering — General Engineering Considerations</b>		
780-400-005	1	Cross-Reference Index — Traffic Facilities Practices
<b>Traffic Considerations</b>		
① 780-400-111	1	Factors Affecting Traffic Engineering
① 780-400-120	1	Sampling and Reliability of Data
① 780-400-130	1	Characteristics of Telephone Traffic
① 780-400-140	1	Survey of Traffic Theories
<b>Switching Considerations</b>		
① 780-400-201	1	Engineering Service Objectives
① 780-400-211	1	Load-Service Relationships
① 780-400-221	1	Dial Office Utilization
① 780-400-230	1	Basic Data
① 780-400-260	2	Demand and Facility Chart — End Office
① 780-400-290	1	Poisson Capacity Tables
<b>Trunking Considerations</b>		
① 780-400-300	1	Purpose and Organization
① 780-400-305	2	Glossary of Trunk Facilities Terms and Definitions
① 780-400-315	1	Characteristics of Traffic Affecting Trunk Forecasting and Servicing
① 780-400-320	1	Trunk Group Types and Applicable Traffic Theories
① 780-400-325	1	Trunking Service — Philosophy and Objectives
① 780-400-330	1	Network Engineering Load Selection Concepts
① 780-400-335	1	Factors Affecting Load-Service Relationships Day-to-Day Variations
① 780-400-340	2	Factors Affecting Load-Service Relationships Within the Hour Variations (Peakedness)
① 780-400-345	1	Retrials Due to No Circuit
① 780-400-360	1	Busy Hour Determination and Areas of Application

Number	Issue	Subject	Number	Issue	Subject
<b>780-401 Network Switching Engineering — Trunk Data</b>					
<b>Trunking Data</b>					
780-401-130	1	Data Quality	① 780-402-140	1	First Route and Alternate Route Selection — Load Accumulation — Candidate Trunk Group Identification
① 780-401-155	1	Direct and Alternate Route Load Separation	① 780-402-145	1	First Route and Alternate Route Selection — Network Route Selection Mode
① 780-401-156	1	Computer-Oriented Coding — Intertoll and TWX Services	① 780-402-150	1	First Route and Alternate Route Selection — Other Considerations
<b>Trunk Group Data</b>			① 780-402-160	1	Trunk Group Structural Arrangements
780-401-200	1	Overview	① 780-402-170	2	Switching System Trunking Features and Capabilities
780-401-210	1	Sources and Measurements	<b>Data Conversion Procedures</b>		
780-401-220	1	Overview of the Small Office Network Data System	① 780-402-400	2	Introduction
① 780-401-235	1	Basic Data Sources and Measurements	① 780-402-405	2	Purpose and Method of Presentation
① 780-401-236	1	Recording and Uses of Load and Service Measurements	① 780-402-410	1	General Operations
① 780-401-237	1	Development of Traffic Growth Factors	① 780-402-420	1	Only Route Network Groups
① 780-401-238	1	Determination of Trunk Requirements — Trunk Base Method	① 780-402-430	1	Alternate Route Network Groups
① 780-401-239	1	Special Considerations in Network Planning	① 780-402-440	1	Directional Alternate Routing and Divided Groups
① 780-401-241	1	Non-Conversation Use of Intertoll Trunks	① 780-402-450	1	Reduced Rate Problem Hour
<b>Point-to-Point Data</b>			① 780-402-460	1	Considerations for Step-by-Step Common Control Systems
① 780-401-300	2	Overview	① 780-402-470	1	Alternate Route Network Groups — Manual Procedures
① 780-401-310	1	Attempt Analyzer System-Crossbar Tandem	① 780-402-475	1	Alternate Route Network Groups — Manual Procedures (Worksheets)
① 780-401-320	1	Utilization of the Data from the Centralized Message Data System	<b>Trunk Forecasting</b>		
① 780-401-330	1	Preroute Peg Count Registers	① 780-402-500	1	Purpose and Organization
<b>780-402 Network Switching Engineering — Trunk</b>			① 780-402-510	1	Basing and Projection — General Concepts
<b>Trunk Network Design</b>			① 780-402-520	1	Trunk Basing Concepts
① 780-402-100	1	Organization and Description	① 780-402-550	1	Projection and Network Assembly Concepts
① 780-402-105	1	Networks — General	① 780-402-570	1	Network Assembly Procedures
① 780-402-110	1	Message Network Configurations	<b>780-403 Network Administration — Trunk</b>		
780-402-125	1	Determination of Cost Ratios	<b>Trunk Adjustment Tables</b>		
① 780-402-130	1	First Route and Alternate Route Selection — Concepts and Principles	① 780-403-106	1	Basic Data — Traffic Flow Registrations
① 780-402-135	1	First Route and Alternate Route Selections — Rules	① 780-403-107	1	Methods for Determining Future Trunk Requirements

Number	Issue	Subject
① 780-403-108	1	Tandem Routing Determination

**Trunk Servicing**

① 780-403-210	1	Role and Responsibility of the Trunk Servicer
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**Mechanized Applications**

① 780-403-310	1	Business Information System — Trunk Servicing
① 780-403-320	1	Business Information System — Trunk Forecasting
① 780-403-335	1	Time-Shared Computer Applications
① 780-403-340	3	Computer Application to Trunk Formulas and Tables
① 780-403-345	4	Centralized Message Data System — Description of the Traffic Trunk Engineering Process
① 780-403-350	4	Traffic Item Summarization System — Overview

**780-404 Network Administration — Routing****Basic Considerations**

① 780-404-100	1	General
① 780-404-110	1	Interchange of Toll Routing Information
① 780-404-120	1	Preparation and Use of Routing Material
① 780-404-140	1	Inward Wide Area Telephone Service
① 780-404-150	1	4A/4M Crossbar Office Card Translator Routing
① 780-404-160	1	Crossbar Tandem Office Routing
① 780-404-170	1	No. 5 Crossbar Office Routing
① 780-404-200	1	Overview of Network Routing and Routing Changes — Network Services Methods
① 780-404-210	1	Routing Considerations in the Network Routing Process — Network Services Methods
① 780-404-270	1	Routing Administration in No. 4A Crossbar Offices Equipped With Electronic Translator System — Network Services Methods
① 780-404-290	1	Routing Through the 1/1A ESS Switch — Translation Considerations — Network Services Methods

Number	Issue	Subject
<b>780-450 Network Switching Engineering — Announcement Facilities</b>		

① 780-450-100	1	General
① 780-450-120	1	5A Announcement System — Internal
① 780-450-121	1	6A Announcement System — Internal
① 780-450-122	1	7A Announcement System — Internal
① 780-450-128	1	13A Announcement System — Replacement for 7A in Electromechanical Systems
① 780-450-133	1	2D and 4A Time Announcement System — Public
① 780-450-134	1	3A Announcement System — Public
① 780-450-135	1	8A Announcement System — Light Duty — Public
① 780-450-136	1	9A Announcement System — Heavy Duty — Public
① 780-450-137	1	KS 16534 Announcement Control Unit — Public

**Division 781****Technical Planning****781-0 Indexes**

-040 Notes on Common Control Switched Arrangement (CCSA)

-041 Notes on Electric Tandem Networks (ETN)

**781-3 Central Office Area Planning****781-4 Switching Network Planning****781-5 Interoffice Facility Planning****781-6 Network Structure Planning****781-8 Common Systems Planning and Engineering Center**

Number	Issue	Subject
<b>781-0 Indexes</b>		
781-000-000	53	Numerical Index — Division 781 — Technical Planning (5-95)
<b>781-040 Notes on Common Control Switched Arrangement (CCSA)</b>		
781-040-100	2	General Information
781-040-101	1	Switching Plan
781-040-102	1	Numbering Plan
781-040-103	1	Signaling and Supervision
781-040-104	1	Transmission Plan
781-040-105	1	No. 5 Crossbar Switching
781-040-106	1	Customer Premises Equipment
781-040-107	1	Compatibility
781-040-108	1	Engineering Maintenance Considerations
781-040-109	1	2-Wire No. 1 and No. 1A Electronic Switching Systems
<b>781-041 Notes on Electronic Tandem Networks (ETN)</b>		
781-041-100	2	General
781-041-101	2	Operations
781-041-102	2	Transmission

Number	Issue	Subject
781-041-103	2	Signaling and Compatibility
781-041-104	2	Implementation

**781-3 Central Office Area Planning****Mechanized Wire Centering — Cross-Section Program**

781-331-100	1	Introduction
781-331-105	1	Wire Centering Problem and Program Description
781-331-110	1	Input Data Description — Data Lines and Data Forms
781-331-115	1	Entering Data and Running the MWC/CS Program Using the Remote Data Entry System
781-331-120	1	Program Output
781-331-125	1	Ordering Procedures
781-331-130	1	Sample Problem and Terminal Session
781-331-135	1	Diagnostic Comments and Error Messages

**Local Switching Replacement Planning (LSRP) System**

781-331-200	1	General Introduction
781-331-205	2	Description and Operation
781-331-206	2	CUCRT Subsystem Description
781-331-210	2	Input Data Description and Instructions
781-331-217	3	Output Reports Description
781-331-220	3	Entering and Running Instructions
781-331-230	4	Diagnostic and Error Messages

**781-4 Switching Network Planning****781-410 Traffic Network Planning Procedures (TNPP)**

● 781-410-000	1	General — Traffic Network Planning Procedures — Technical Planning
781-410-110	1	Network Routing and Configuration — Traffic Network Planning Procedures
● 781-410-210	1	Tandem Switching Systems Planning — Traffic Network Planning Procedures — Technical Planning
781-410-220	1	Operator Services Planning — Traffic Network Planning Procedures

Number	Issue	Subject	Number	Issue	Subject
① 781-410-230	1	Stored Program Controlled (SPC) — Network Capability Planning — Traffic Network Planning Procedures	781-442-125	2	Input Cards
781-410-240	1	Signaling Network Planning — Traffic Network Planning Procedures — Technical Planning	781-442-130	2	Program Output
① 781-410-250	1	Service Continuity Planning — Traffic Network Planning Procedures	Addendum	1	
① 781-410-260	1	Transmission Facility Planning — Traffic Network Planning Procedures — Technical Planning	781-442-135	1	Advisory Diagnostics
781-410-300	1	Management, Tools, and Resources — Traffic Network Planning Procedures	781-442-140	1	Glossary of Terms
① 781-410-350	1	Economic Evaluation — Traffic Network Planning Procedures — Technical Planning	781-442-145	1	Data Check and the Remote Data Entry System
① 781-410-360	1	Planning Cost Methodology — Traffic Network Planning Procedures — Technical Planning	781-442-150	1	Network Modeling — General
781-410-410	1	Data Collection — Traffic Network Planning Procedures	781-442-155	1	Network Modeling — Routing
781-410-420	1	Projection — Traffic Network Planning Procedures	<b>781-443 Long Range Switching Studies (LRSS)</b>		
781-410-430	1	Planning Methods — Traffic Network Planning Procedures	781-443-100	3	General
781-410-440	1	Analysis and Conclusion of Study — Traffic Network Planning Procedures	781-443-101	1	Master Files
781-410-450	1	Documentation — Traffic Network Planning Procedures	781-443-102	2	Data Collection
781-410-460	1	Plan Monitoring System — Traffic Network Planning Procedures — Switching Network Planning	781-443-103	2	Projection
<b>781-442 Tandem Cross-Section Program</b>			781-443-104	1	End Office and Toll Network Trunking
781-442-100	2	Introduction	781-443-105	1	Annual Charge Evaluation
781-442-105	2	Input Data Instructions and Program Description	781-443-110	2	On-Line Data Entry System (LODES) User Manual
Addendum	1		<b>781-5 Interoffice Facility Planning</b>		
781-442-110	1	A Basic Problem Input and Computer Program Run Results	<b>781-500/502 General</b>		
Addendum	1		781-500-010	2	General — Terminology
781-442-115	1	An Extended Problem Input and Computer Program Run Results	781-500-015	1	Equipment Fundamental Planning Procedures — Description
781-442-120	2	Cross Checking Data Cards for a Computer Run	781-501-100	1	General Description — Interoffice Circuit Forecast Processor
			781-501-101	1	Methods Guide — Interoffice Circuit Forecast Processor
			781-502-010	2	Current Interoffice Facility and Equipment Planning — General Description — Interoffice Facilities/Equipment Current Planning Center
			781-502-020	2	Current Interoffice Facility and Equipment Planning — Special Services and Other Common Carrier Facilities
			781-502-100	2	Current Interoffice Facility and Equipment Planning — Metropolitan Networks
			781-502-300	2	Current Interoffice Facility and Equipment Planning — Outstate Networks
			781-502-401	1	Facility Planning — Description — Equipment Current Planning Center

Number	Issue	Subject
781-502-402	1	Carrier and Circuit Equipment Planning — Description — Interoffice Facilities/ Equipment Current Planning Center
781-502-450	1	Scheduling and Coordination — Description — Interoffice Facilities/Equipment Current Planning Center

#### 781-510 Special Service Forecasting System (SSFS)

781-510-010	2	Implementation Guide
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#### 781-520 Facility and Equipment Planning System (FEPS)

781-520-105	1	Users Guide — System Administration
781-520-110	1	User Guide — Facility Planning Preparation
781-520-116	1	Users Guide — Forecast Processing — Facility and Equipment Planning System (FEPS) — Interoffice Facilities Planning
781-520-117	1	Users Guide — Allocation Strategy

#### 781-6 Network Structure Planning

##### 781-610 North American Numbering Plan (NANP) and Dialing Procedures

781-610-100	1	Nationwide Numbering Plan General Guidelines (Ref. E.L.3086/GL74-07-004)
781-610-200	1	Efficient Code Utilization and Conservation Program (Ref. E.L.2821/GL74-03-160)
■ 781-610-210	2	NANP GBCS Switch Upgrade Reference Manual (1-95)

#### 781-8 Common Planning and Engineering Center

781-800-005	1	Cable Entrance Facility — Planning and Design
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## Division 785

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### Network Access

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#### 785-0 Indexes, Switched Access Billing

Number	Issue	Subject
<b>785-0 Indexes, Switched Access Billing</b>		

#### Index

785-000-000	2	Numerical Index — Division 785 — Network Access
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#### Switched Access Billing

■ 785-000-001AC	3	Switched Access Bill Verification — Methods and Procedures (1-90)
■ Appendix 1AC	1	Switched Access Bill — Usage Comparison System (SAB UCS) (11-87)
■ Appendix 2AC	2	Switched Access Bill Verification — Minutes of Use (5-89)
■ Appendix 3AC	1	Prepayment Bill Processing (11-87)
■ Appendix 4AC	2	Switched Access Meet Point Billing — Bill Verification (2-89)
■ Appendix 5AC	1	WATS Access Lines and WATS Access Line Extenders (Manual Verification) (11-87)
■ Appendix 6AC	1	Directory Assistance (Manual Verification) (11-87)
■ Appendix 7AC	1	Alternate Routing and Dual Homing (Manual Verification) (11-87)
■ Appendix 8AC	1	Independent Company (Manual Verification) (11-87)
■ Appendix 9AC	1	Installation & Maintenance Testing (Manual Verification) (11-87)
■ Appendix 11AC	2	Centralized Message Data System (CMDS) Overview (9-88)
■ Appendix 12AC	1	Use of 4ESS™ (INSEP/DESEP) Report (11-87)



**Division 788****Business and Consumer Communications Services  
Planning and Operations****788-0 Index and General****788-1 Planning and Operations Common to Business Services****-100 Traffic Engineering****-102 Traffic Administration****-103 Electronic Tandem Network System Operations****788-2 Planning and Operations Common to Consumer Services****-201 Exchange Standards**

Number	Issue	Subject
<b>788-0 Index and General</b>		
788-000-000	18	Numerical Index — Division 788 — Business and Consumer Communications Services Planning and Operations

**788-1 Planning and Operations Common to Business Services****788-100 Traffic Engineering**

788-100-100	1	Cross-Reference Index — Business Services Facilities Engineering Practices to Bell System Practices
788-100-101	1	Recommended Document List
① 788-100-104	1	General
① 788-100-105	1	Traffic Theory and Application
① 788-100-106	1	Traffic Data
① 788-100-107	1	Engineering Considerations
① 788-100-108	1	Glossary of Terms
① 788-100-109	1	Organizational Structure
① 788-100-110	1	Attendant Facilities — General
① 788-100-111	1	Attendant Position Requirements — CCS Method
① 788-100-115	1	Dial PBX Systems — Step-by-Step

Number	Issue	Subject
① 788-100-120	1	Centrex CU — AIOD — Dial PBX Systems
① 788-100-121	1	Touch-Tone Calling — Dial PBX Systems
① 788-100-130	1	Hotel-Motel Service — Specialized Industries
① 788-100-135	1	Traffic Measurement System No. 1A
788-100-140	1	Cable Clips — Installation — General Equipment Requirements
788-100-142	1	Erlang-C Capacity Tables

**788-102 Traffic Administration**

788-102-100	1	Cross-Reference Index — Business Services Facilities Administration Practices to Bell System Practices
788-102-101	1	Recommended Document List
① 788-102-102	1	Principles
① 788-102-103	1	Force Requirements and Programs
① 788-102-104	1	Traffic Data Collection Schedules
① 788-102-105	1	Listed Directory Number — Traffic Data Collection
① 788-102-106	1	Customer Premises Registers — Assignments and Data Collection
① 788-102-107	1	Traffic Usage Data Collection
① 788-102-108	1	Data Validation
① 788-102-109	1	Assignments and Balancing
① 788-102-110	1	Data Interpretation
① 788-102-111	1	Network Completion

**788-103 Electronic Tandem Network System Operations**

788-103-100	1	Recommended Document List — Business Services Design Engineering
788-103-110	1	General Information — Introduction — Business Services Traffic Engineering
788-103-120	1	Glossary, Acronyms, and Abbreviations — Business Services Design Engineering
788-103-130	1	Planning Design Objectives — Business Services Design Engineering

Number	Issue	Subject
788-103-135	1	Pre-Sales — Point-to-Point — Traffic Data Collection — Business Services Design Engineering
788-103-150	1	Design Methodology — Business Services Design Engineering — Electronic Tandem Network
788-103-160	1	Mixed Network Considerations — Business Services Design Engineering
788-103-200	1	General Description — Design Engineering — Manual Method — Business Services Design Engineering
788-103-235	1	Tandem Switch Selection — Manual Method Business Services Design Engineering
788-103-405	1	DIMENSION® Feature Package 8 — Routing Guide Forms — Business Services Traffic Engineering
788-103-410	2	DIMENSION PBX Feature Package 8 — Routing Guide — Business Services Design Engineering
788-103-420	1	No. 1/1A Electronic Switching Systems — Centrex/Essx-1 — Routing Guide — Business Services Design Engineering

**788-2 Planning and Operations Common to Consumer Services**

**788-201 Exchange Standards**

- 788-201-100      4-94    AT&T Exchange Message Interface (EMI) Exchange Standards Reference Document (ESRD) Revision 2

**Division 790**

**Engineering Administrative Practices**

**790-0 Index and General Information**

**790-1 Administrative Documents**

-100 Central Office Equipment Engineering and Power Engineering

-110 Customer Switching Systems

-115 Customer Premises Record Systems

-120 Central Office Equipment Maintenance Engineering

-140 Circuit Provision Engineering

**790-2 PICS/DCPR Engineering Documents**

-200 Operating Procedures — IMS

-201 Inventory Management Documents

-205 RIMS (Reuse Inventory Management System)

**790-3 Network Plug-In Administrative Methods**

Number	Issue	Subject
<b>790-0 Index and General Information</b>		
790-000-000	94	Numerical Index — Division 790 — Engineering Administrative Practices
<b>790-1 Administrative Documents</b>		
<b>790-100 Central Office Equipment Engineering and Power Engineering</b>		
<b>Central Office Equipment Engineering</b>		
790-100-000	1	Alphabetical Index to Equipment Engineering Administrative Practice
790-100-010	1	Functional Index to Equipment Engineering — Technical
790-100-101	5	General Plan and Purpose of the Equipment Engineering Administrative Practices
790-100-120	1	General Description — PICS/DCPR System
790-100-125	1	Bell System Disc Oriented Property and Cost (BSDOPAC) System — Description

Number	Issue	Subject
790-100-205	1	Support Role of the Equipment Engineer in Planning
790-100-210	1	Forecasting Network Growth and Measuring Network Usage
790-100-220	1	Planning Network Growth
■ 790-100-225AC	2	Network Growth Process Definitions and Implementation Guideline
790-100-230	1	Support Role of the Equipment Engineer in Planning — Support Activities
Addendum	1	
790-100-260	1	Job File Guidelines
790-100-270	2	Job Scheduling
790-100-280	1	Central Office Equipment Requests
790-100-290	1	Job Planning and Cost Control
790-100-310	3	Central Office Equipment — Specific Estimate, Routine Estimate, and Work Order Preparation
790-100-312	1	Central Office Equipment — Cost Estimating
790-100-320	3	Telephone Equipment Orders — Format Description
■ 790-100-320AC	1	Telephone Equipment Orders — Format Description
790-100-321	3	Western Electric Company Engineered (WEE) — Orders — Preparation Instructions
■ 790-100-321AC	1	AT&T Network System Engineered Orders — Preparation Instructions
790-100-322	3	Telephone Company Engineered Orders (TCE)
■ 790-100-322AC	1	AT&T Network Operations Group Engineered Orders
790-100-323	1	Common Language Equipment — Ordering/Furnish Only (CLEO/FO)
790-100-330	3	Orders on Suppliers Other Than Western Electric
■ 790-100-330AC	1	Orders on Suppliers Other Than AT&T Network System
790-100-340	3	Material Storage Arrangements, Material Receiving Procedures, and Western Electric Company Installation Force Work Space
790-100-350	1	Insurance On Equipment

Number	Issue	Subject	Number	Issue	Subject
790-100-360	2	Control of Unapplied Central Office Equipment Engineering Material	<b>Power Engineering</b>		
790-100-370	1	Control of Equipment Orders Requiring Federal Communications Commission Approval	790-100-650	1	Central Office Equipment — Power Engineering — Administrative Procedures
790-100-410	4	Contract Proposal/Estimate Analysis	790-100-651	3	Introduction
790-100-415	4	Account 725 — Distribution of Billing	790-100-652	1	Planning
790-100-416	1	Central Office Equipments — Cost Control	790-100-653	1	Economic Analysis
■ 790-100-420AC	1	Central Office Installation Coordination	790-100-654	1	DC Power Plants
790-100-421	2	Method of Procedure	■ 790-100-655	3	Batteries
■ 790-100-421AC	4	Service Method Of Procedure (SMOP)	790-100-656	1	DC Distribution
790-100-425	2	Major Central Office Project Coordination	790-100-659	1	Stand-by AC Plants
790-100-430	5	Job Information Memorandums (JIMS)	790-100-660	1	AC Power for Telecommunications Equipment (Section 8)
■ 790-100-440AC	1	Material Requisitions	790-100-661	1	Power Alarms (Section 9)
790-100-445	1	Overtime Allowance and Night Work Bonus	790-100-662	1	Layout
790-100-450	4	Control of Disconnected and Surplus Material	790-100-663	2	Power Equipment Acceptance (Section 11)
Addendum	1		■ 790-100-663AC	2	Power Equipment Acceptance Guidelines
790-100-460	4	Job Completion and Acceptance	790-100-664	1	In-Service Responsibilities
■ Addendum AC	1		790-100-665	1	Section 13—Glossary
■ 790-100-460AC	1	Job Completion and Acceptance	790-100-666	1	Permuted Index (Section 14)
790-100-510	4	Billing Review and Claims	790-100-667	1	Determining Wire Sizes in AC Power Conductors Based on Voltage Drop Requirements
790-100-520	4	Plant Removals and Retirements	●■ 790-100-668	4	Network Operations Group Power Systems Engineering Guidelines for AT&T Network Systems (1-95)
790-100-530	3	Material Transfers	■ 790-100-900AC	1	Message Toll Terminal Planning System (MTTP) — Echo Suppressor Planning
790-100-540	3	Returned Material Notices	<b>790-110/111 Customer Switching Systems</b>		
790-100-550	2	Returned Good Memorandum	790-110-001	1	Business Premises Switching Systems — Administrative Analysis
790-100-560	2	Scrap Disposition Guidelines	790-110-100	1	General Plan and Purpose
Addendum	1		790-110-110	1	Index of Customer Switching Equipment
790-100-580	4	Specific Estimate Closure	790-110-200	1	Equipment Request
790-100-610	3	Purchases and Sales of Central Office Plant and Materials	790-110-210	1	Floor Plan Procedures
790-100-630	2	Accounting Terminology and Considerations	790-110-220	2	Estimate, Routine, and Keep Cost Orders — Preparation and Approvals
790-100-635	1	Equipment Engineering Considerations for Investment in Accounts Other Than Account 221	790-110-230	1	Customer Switching Engineer — Time Sheet Preparations
790-100-640	2	Long Lines Department/Operating Telephone Company — Administrative Interface Procedures			

Number	Issue	Subject	Number	Issue	Subject
790-110-240	1	Engineering Administration System (EAS)	790-110-723	1	Customer Switching Systems/Marketing, Engineering, and Business Services — DIMENSION PBX Application Customer Switching Engineering — Ordering Module Input/Output Processing
790-110-300	1	Telephone Equipment Orders — General			
790-110-310	1	Telephone Company Engineered Orders			
790-110-330	1	Purchase and Sale of Material	790-110-730	5	DIMENSION PBX Tariff Module — Marketing, Engineering, and Business Services — Customer Switching Systems
790-110-400	2	Business Premises Switching Systems — Scheduling and Coordination			
790-110-410	1	Administration of Job Records	790-110-731	6	DIMENSION PBX Price Quote Module — Marketing, Engineering, and Business Services — Customer Switching System
790-110-420	1	Contract Analysis			
790-110-430	1	Job Information Memorandum (JIM) Analysis	790-110-732	4	DIMENSION PBX Rate Module — Marketing, Engineering, and Business Services — Customer Switching Systems
790-110-500	1	Preinstallation Requirements for Material, Storage, Installation, and Work Space			
790-110-510	1	Material Management	790-110-735	1	Customer Switching System/Marketing, Engineering, and Business Services — DIMENSION PBX Application — Traffic Engineering for Automatic Route Selection (TEARS)/Queuing Engineering Module — Input/Output Processing
790-110-520	1	Removals, Retirements, and Reuse			
790-110-530	1	Transfers of Material and/or Labor			
790-110-540	1	Returned Material Notice (RMN)			
790-110-550	1	Returned Goods Memorandum (RGM)			
790-110-570	1	Installer's Requisitions			
790-110-580	1	Transfer From Under Construction to Telephone Plant in Service	790-110-736	2	Automatic Call Distributor/Electronic Switching System — Tariff Module — Marketing, Engineering, and Business Services — Customer Switching Systems
790-110-600	1	Engineering Complaint Procedures			
790-110-620	1	Job Completion and Acceptance			
790-110-630	1	Billing and Claim Review	790-110-737	1	Customer Switching Systems/Marketing, Engineering, and Business Services — Automatic Call Distributor/Electronic Switching System — Marketing — Quote Module — Data Input/Output Processing
790-110-640	2	Specific Estimate Closure			
790-110-650	1	Accounting Terminology and Considerations			
790-110-700	4	Marketing, Engineering, and Business Services — General Description	790-110-738	3	HORIZON® Communication System — Tariff Module — Marketing, Engineering, and Business Services
790-110-711	4	DIMENSION® PBX Traffic Module — Marketing, Engineering, and Business Services			
790-110-720	2	DIMENSION PBX Data Check Module Marketing, Engineering, and Business Services	790-110-739	3	HORIZON Communication System — Quote Module — Marketing, Engineering, and Business Services
790-110-721	3	DIMENSION PBX Engineering Administration and Simplified Equipment Module — Marketing, Engineering, and Business Services	790-110-751	2	COM KEY® System 2152 Calculator Module — Marketing, Engineering, and Business Services

Number	Issue	Subject
790-110-752	2	COM KEY System 2152 Tariff Module — Marketing, Engineering, and Business Services
790-110-800	1	Inspection and Survey of In-Service Systems
790-110-820	2	Controlled Estimate Analysis

**EMIS (Early Maintenance Information System)**

790-111-200	2	Data Retrieval User's Guide
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**790-115 Customer Premises Record Systems**

790-115-100	1	General Description
790-115-101	2	On-Line Operating Procedures
790-115-102	1	Inventory Management Reports
790-115-103	1	Manual Procedure

**790-120 Central Office Equipment Maintenance Engineering**

790-120-120	2	General Plan and Purpose
790-120-205	1	Processing General Trade Product Change Notice
790-120-230	1	Administrative Practices—Application of Class BU Drawing Changes
Addendum	1	
790-120-260	2	Engineering Complaint Administration — Administrative Practices
790-120-320	1	Test and Analysis Committee
790-120-390	1	Toll Terminal — Review
790-120-480	1	Requests for Changes to Equipment
790-120-490	1	Special Equipment Design
790-120-491	1	Special Equipment Design — Preparation of Apparatus Mounting and Assembly Drawings
790-120-492	1	Special Equipment Design — Tabular T Drawing Preparation
790-120-800	2	Documentation Description

**790-140 Circuit Provision Engineering**

790-140-100	1	Guidelines for Issuing the Circuit Layout Record Card (CLRC)/Work Order Record and Details (WORD)
790-140-300	2	Metallic Facility (MFT) Administration Guideline

Number	Issue	Subject
790-140-701	1	Common Language Facility Identification — Administration Guideline T1 Carrier

**790-2 PICS/DCPR Engineering Documents**

**790-200 Operating Procedures — IMS**

790-200-214	1	Mass Change Capabilities
790-200-215	1	Data Classification Changes — Central Office Equipment (Account 221)
790-200-220	1	Reference File Maintenance
790-200-225	1	PICS/DSPR — Asset Verification Procedures
790-200-230	1	Hardwired Billing Activity — WEE and TCE — Input Preparation
790-200-232	1	Batch Billing Process
790-200-234	1	Input Preparation — Miscellaneous CPR 0400XX Entries
790-200-236	2	Plug-In and Hardwired Equipment Retirements
790-200-240	1	Job Status Updates — Input Preparation
790-200-250	1	Monthly Journalization Output
790-200-252	1	Monthly Outputs — Plug-In Billing Reconciliation
■ 790-200-252AC	1	Monthly Inputs — Plug-In Billing Reconciliation
790-200-254	1	Monthly Outputs — Hardwired Billing Reconciliation
790-200-261	1	Monthly Investment Analysis
790-200-270	1	Annual Outputs — Overview
790-200-272	1	Operating and Analyzation Procedures — Account 100.1 Analysis
790-200-273	1	Operating and Analyzation — Procedures — Plug-In Other Costs (PIOC)
790-200-274	1	Operating and Analyzation — Procedures — WE® Deferred Tax Analysis

**790-201 Inventory Management Documents**

**Inventory Management Manual (Parts 1 Through 16)**

● 790-201-100	2	Part 1 — General Orientation
● 790-201-105	2	Part 2 — Determining Spare Levels in Central Offices and Central Stock to Meet Policy Objectives

Number	Issue	Subject	Number	Issue	Subject
● 790-201-110	2	Part 3 — Service-Cost Relationships	■ 790-300-300AC	1	Overview of Acquisition
● 790-201-115	2	Part 4 — Lead Time-Cost Relationships	790-300-510	1	Preinventory Procedures
● 790-201-120	2	Part 5 — Strategies for Each Stage of the Plug-In Life Cycle	790-300-520	1	Universal Inventory/Reinventory Procedures (Manual)
● 790-201-125	2	Part 6 — Quality of Service in Providing Plug-Ins	790-300-550	1	Joint-Owned Network Plug-In Inventory Procedures — Manual and Scanned
790-201-130	1	Part 7 — Preparing and Controlling the Plug-In Construction Budget	790-300-605	1	Pending Circuit Order File
● 790-201-135	2	Part 8 — Efficient Ordering of New Stock	790-300-610	1	Connect
● 790-201-140	2	Part 9 — Managing the Repair Process	Addendum	1	
● 790-201-145	2	Part 10 — Managing of Disconnects	790-300-615	1	Ship-From-Stock — Plug-In Movement Administration
● 790-201-150	2	Part 11 — Recall of Surpluses From Central Offices	■ 790-300-615AC	1	Ship-From-Stock — Plug-In Movement Administration
● 790-201-155	2	Part 12 — Maintaining an Account Data Base	790-300-620	1	Like-For-Like
● 790-201-160	2	Part 13 — Force Requirements, Organizational Arrangements, and Office Layout	■ 790-300-620AC	1	Like-For-Like and Mechanized Repair
● 790-201-165	2	Part 14 — Warehousing, Transportation, and Central Office Storage	790-300-625	1	Field-To-Field
● 790-201-170	2	Part 15 — Results Reporting	■ 790-300-625AC	1	Field-To-Field
● 790-201-175	2	Part 16 — Management Reports and Procedures for Setting of Objectives	Addendum	1	
			790-300-630	1	Movement of Equipment — Return-to- Stock (Recall) Transactions
			790-300-630AC	1	Movement of Equipment — Return-to- Stock (Recall) Transactions
			790-300-635	1	Disconnect — Plug-In Movement Administration
			790-300-640	1	Network Plug-In Administrative Methods — Status Change
			■ 790-300-640AC	1	Network Plug-In Administrative Methods — Status Change
			790-300-645	1	Shortage Resolution Procedures — Movement of Plug-In Equipment — Plug-In Inventory Control System/Detailed Continuing Property Record
			790-300-650	1	Look-At-Me and Nonstandard
			790-300-655	1	Network Plug-In Administrative Methods — Inventory Discrepancy Resolution and Movement
			790-300-660	1	Shipping Notice Administration
			■ Addendum AC	1	
			■ 790-300-660AC	1	PICS/SS Product Administration Methods — Shipping Notice Administration
			790-300-665	1	Committed Spare Plug-In Movement Activities
<b>790-205 RIMS (Reuse Inventory Management System)</b>					
790-205-140	1	General Description			
790-205-141	1	On-Line Operating Procedures			
790-205-143	1	Reuse Inventory Management System/National Reuse Administration System (RIMS/NARADS) — On-Line Processing			
<b>790-3 Network Plug-In Administrative Methods</b>					
790-300-110	1	Central Office Plug-In Equipment Forecasting — General Description			
790-300-120	1	Organizational Arrangements and Force Requirements			
790-300-300	1	Overview of Acquisition			

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
790-300-670	1	Central Office — Maintenance Spare Administration
790-300-675	1	Loop Electronics — Plug-In Movement Administration
790-300-680	1	Capital Tool and Portable Test Set
■ 790-300-700AC	1	Asset Verification (Inventory Procedures) Using PICS/SS
■ 790-300-701AC	1	Re-Inventory Procedures Other Than Account 221 (COE)
■ 790-300-702AC	1	Furniture, General Equipment and Other Telephone Equipment — Management Guidelines



**Division 795**

**COMMON LANGUAGE\***

**795-0 Index and General Information**

**795-1 Location Identification**

**795-2 Transmission Equipment Identification**

**795-4 Circuit Identification**

**795-5 Switching and Traffic Administration Equipment Identification**

Number	Issue	Subject
<b>795-0 Index and General Information</b>		
795-000-000	79	Numerical Index — Common Language

**795-1 Location Identification Code**

■ 795-100-100AC	2	CLLI Code Description for Location Identification
■ 795-100-910AC	1	AT&T Coordinator Instructions
■ 795-100-911AC	E	Control Group — Instructions
■ 795-100-912AC	C	Updating Procedures
Appendix 1AC	A	Special Instructions for the Operations Department

**795-2 Transmission Equipment Identification**

**795-200 General**

795-200-000	6	Standard Coding Procedures
■ 795-200-900AC	B	Standard Coding Procedures — Telephone Central Office Equipment Codes
■ Addendum	C	
■ 795-200-901AC	H	Equipment Codes
■ 795-200-902AC	B	Telephone Central Office Equipment Hard-Wired Assembly

Number	Issue	Subject
■ 795-200-903AC	B	Circuit Layout — Central Office Equipment Code Tables — Conversion Table (Bell System Common Language Code to Long Lines Code)
■ 795-200-904AC	B	Circuit Layout — Central Office Equipment Code Tables — Conversion Table (Long Lines to Bell System Common Language Code)
■ 795-200-905AC	D	Central Office Equipment Code — Request Form M413

**795-4 Circuit Identification**

■ 795-400-100AC	3	Message Trunks
■ Appendix 1AC	3	Trunk-Type Modifier Codes
■ Appendix 2AC	3	Message Trunks, Overseas Message, Support and High Seas Trunk Identification
■ Appendix 3AC	3	Obsolete Traffic Use Codes
■ 795-402-100AC	3	Special Service Circuits
■ Appendix 1AC	3	Service Codes and Definition Grouped by Type of Service
■ Appendix 2AC	3	Obsolete Service Codes

**795-450 Facility Identification**

■ 795-450-100AC	2	General Description
■ 795-450-107AC	1	Corporate Data Standards — Facility Assemblies and Assignment Slots

**795-5 Switching and Traffic Administration Equipment Identification**

**795-500 General**

795-500-000	2	Standard Coding Procedures
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**Division 800****Cross-Reference Lists, Floor Plan Data Sheets, Administrative Information, General Equipment Requirements For Installation and Manufacturing, And General Performance Requirements****800-0 Index, Cross-Reference Lists, and Floor Plan Data Sheets****800-1 Administrative Information****800-4 NORAD Alerting System****800-6 General Equipment Requirements for Installation and Manufacturing**

-600 Checking List (Division 800, Layer 6)

-601 Corporate Identity/Industrial Design Guidelines and Standards

-610 General Information

-611 Woodwork and Metalwork

-612 Wiring and Cabling

-613 Numbering and Lettering

-614 Installation

-630 Performance Requirements

-651 Inspection — Central Office Equipment

Number	Issue	Subject
<b>800-0 Index, Cross-Reference Lists, and Floor Plan Data Sheets</b>		
800-000-000	24	Numerical Index — Division 800 — Cross-Reference Lists, Floor Plan Data Sheets, Administrative Information, General Equipment Requirements for Installation and Manufacturing, and General Performance Requirements
800-020-001	32	J, NJ, IS, and X Specifications to AT&T Practice Numbers — Cross-Reference List — Divisions 800 to 839
800-020-020	20	AA Series to Nine-Digit BSP Numbers
800-020-021	52	Checking List — Floor Plan Data (FPD) Sheets

Number	Issue	Subject
Addendum	4	
800-020-022	3	Permuted Title Index — Floor Plan Data (FPD) Sheets
800-020-023	1	Floor Plan Data (FPD) Sheets — Description, Characteristics, and Use

**800-1 Administrative Information**

800-101-100	1	Metropolitan Facility Junction Planning
800-102-100	2	Automatic Transmission Measuring System and Associated Testing Arrangements — Centralized Tape and Card Administration

**800-4 NORAD Alerting System**

■ 800-400-001AC	2	Control Center Terminal Equipment Package — Description, Installation, and Maintenance Procedures
■ Addendum AC	1	
■ 800-400-002AC	2	PVAS/WAS Station Set — Description, Installation, and Maintenance Procedures

**800-6 General Equipment Requirements for Installation and Manufacturing****800-600 Checking List (Division 800, Layer 6)**

800-600-000	2	General Equipment Requirements
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**800-601 Corporate Identity/Industrial Design Guidelines and Standards**

800-601-005	1	Corporate Color Management Program Brochure
800-601-010	1	Product Marking Reference Manual
800-601-011	1	Corporate Product Marking System Brochure
800-601-014	1	Corporate Color Palette Brochure
800-601-201	1	Customer Premises Industrial Design Standards and Guidelines Brochure

Number	Issue	Subject
<b>800-610 General Information</b>		
800-610-150	11	Moistureproofing of Central Office Equipment
800-610-151	4	Preparation and Mounting of Apparatus Designation Charts, Circuit Labels, Terminal Assignment Lists, etc.
800-610-152	9	Gauge and Insulation of Wire
Addendum	1	
800-610-153	7	Cabling Diagrams for Schematic Circuit Drawings
800-610-154	10	Mounting and Aligning Apparatus
Addendum	1	
800-610-155	10	Earthquake and Disaster Bracing for Central Office Equipment
800-610-156	1	Relay Rack Equipment — Numbering Plans for the Various Central Office Systems
800-610-157	3	Hardening of Central Office and Main Station — Communication Equipment Installed in 50-PSI Buildings
800-610-158	2	Packaged Electronic Products — Wiring, Cabling, Numbering and Lettering
Addendum	1	
800-610-159	7	Printed Wiring Products and Assemblies
800-610-160	2	Hardening of Intermediate or Auxiliary Station — Communication Equipment
800-610-161	1	Amplas Assemblies
Addendum	1	
800-610-162	1	Printed Wiring Products — Resin-Coated Metal Type
Addendum	1	
800-610-163	1	Hardening of Central Office and Main Station — Communication Equipment Installed in 10-PSI Buildings
800-610-164	3	New Equipment-Building System (NEBS)
■ 800-610-164AC	1	Network Equipment-Building System (NEBS)
800-610-165	3	Circuit Voltage Limits
800-610-166	1	No. 4ESS™ — Central Office Frame Location Numbering Plan — Switching Systems

Number	Issue	Subject
<b>800-611 Woodwork and Metalwork</b>		
800-611-150	3	Woodwork and Associated Materials
Addendum	1	
800-611-151	3	Metal Work
Addendum	1	
800-611-153	10	Finishes for Equipment Purposes
<b>800-612 Wiring and Cabling</b>		
Addendum	1	
800-612-150	2	Specific Requirements for Wiring and Cabling — Electronic Type Equipment
800-612-151	6	Design of Cable Forms
800-612-152	5	Stripping and Butting Cables
Addendum	1	
800-612-153	10	Forming, Fanning, Sewing, and Skinning
800-612-154	12	Connecting and Soldering Individual Conductors
800-612-156	10	Placing, Securing, and Supporting Cable Forms Including Unequipped Forms
800-612-157	10	Protection of Cable Forms and Skinners and Repair of Insulation
800-612-158	7	Splicing Switchboard and Lead-Covered Cables, Local Cables, and Individual Conductors
800-612-159	8	Strapping and Cross Connections
Addendum	1	
800-612-160	7	Dressing of Skinners
Addendum	2	
800-612-161	9	Color Combinations and Uses
800-612-162	11	Selection of Standard Copper and Lightguide Central Office Cables
Addendum	1	
800-612-163	8	Specific Requirements for Wiring and Cabling — Crossbar-Type Equipment
800-612-164	8	Forming, Grounding, Splicing, and Terminating Shielded Wiring and Coaxial and Twin-Conductor Shielded Office Cable
800-612-165	1	Specific Requirements for Dressing of Skinners — Power Plant Apparatus

Number	Issue	Subject	Number	Issue	Subject
<b>800-613 Numbering and Lettering</b>					
Addendum	1		800-614-152	9	Switchboard, Power, and Local Power Cables and Lightguide Cables
800-613-150	11	Common Requirements	800-614-153	5	Sheathing for Cable Openings
800-613-151	6	Specific Requirements for Apparatus and Equipment — A to E (Apparatus Coded Panels to Equalizers)	Addendum	1	
800-613-152	8	Specific Requirements for Apparatus and Equipment — F to I (Filters to Interrupters, except Frame and Racks)	800-614-154	9	Location, Erection, and Assembly of Equipment
800-613-153	5	Specific Requirements for Apparatus and Equipment — J to Q (Jack to Protectors)	Addendum	3	
800-613-154	8	Specific Requirements for Apparatus and Equipment — R (Relays to Resistors)	800-614-155	9	Auxiliary Framing— Low-Type
800-613-155	8	Specific Requirements for Apparatus and Equipment S Through Z — (Selectors to Varistors)	Addendum	1	
800-613-156	2	Specific Requirements for Toll Transmission Equipment Mounted on Duct-Type Frames	800-614-156	5	Auxiliary Framing (High Type) and Frame Supports Installing
800-613-157	3	Specific Requirements for Apparatus and Equipment — Frames and Racks	Addendum	1	
800-613-158	3	Specific Requirements for Apparatus and Equipment — Distributing and Protector Frames	800-614-157	11	Cable Racks
800-613-159	4	Specific Requirements for Equipment Code Numbers, SD Drawing Numbers, and Single or Multiple Sets of Circuit Apparatus for Equipment Mounted on other than Duct-Type Framework	800-614-158	8	Cable Clips
800-613-160	3	Specific Requirements — Power Apparatus and Equipment	800-614-159	11	Rolling Ladders
Addendum	1		800-614-160	3	Switchboards and Desks
800-613-161	1	Specific Requirements for Apparatus and Equipment — Electronic Type	Addendum	1	
<b>800-614 Installation</b>			800-614-161	5	Frames, Racks, Fuse Bays, and Fuse Panels
800-614-150	4	General Installation Requirements	800-614-162	4	Pneumatic Ticket Distributing System
800-614-151	6	Emergency Alarm Systems Including Automatic Fire-Detection Feature	800-614-163	1	Capacitance Unbalance Reduction in Toll Office — Textile Covered Quadded Switchboard Cable
			800-614-164	3	Switchboard Multiple Cabling
			<b>800-630 Performance Requirements</b>		
			■ 800-630-100	1	Notification to Use (NTU) Procedures
			800-630-180	3	General
			<b>800-651/669 Inspection — Central Office Equipment</b>		
			800-651-180	1	(IS201.002) — Detailed Inspection Procedures
			800-651-181	5	(IS201.010) — Inspection Requirements — Relays A and AB Types
			800-668-000	21	(IS218.001) — Common Systems Index
			800-668-153	4	(IS218.005) — Solderless Wrapping Bits and Product Connections — Detailed Information
			800-668-180	4	(IS218.002) — Local Systems of Large Rated Capacity — Toll and Telegraph Systems

Number	Issue	Subject	Number	Issue	Subject
800-668-181	4	(IS206.002) — Detailed Inspection Procedure Toll and Telegraph Systems	800-668-193	5	(IS218.021) — Relays — B and G Type(s)
800-668-182	4	(IS218.003) — Connecting and Soldering — Detailed Information	800-668-194	9	(IS218.022) — Relays — E, EA, F, H, R, and T Type(s)
800-668-184	4	(IS218.010) — Relays — 111 (Part of 163), 121, 122, 125, 149, 162, 178, and 179 Type(s) (Round Type)	800-668-195	7	(IS218.023) — Relays — J Type
800-668-185	4	(IS218.011) — Relays — 114, 124, 126, 174, and 198 Type(s)	800-668-196	5	(IS218.024) — Relays — L, N, and S Type(s)
800-668-186	7	(IS218.012) — Relays — 280 Type	800-668-197	7	(IS218.025) — Relays — U and UA Type(s)
800-668-187	5	(IS218.013) — Relays — 263 and 264 Type(s)	800-668-198	4	(IS218.026) — Relays — Y Type
800-668-188	4	(IS218.014) — Relays — 208 and 214 Type(s) (Counting Relays)	800-668-199	4	(IS218.027) — Relays — UB Type
800-668-189	2	(IS218.015) — Relays — 235 Type	800-669-180	1	(IS218.028) — Relays — AF, AG, and AJ Type(s)
800-668-190	6	(IS218.017) — Relays — 221, 222, 223, 224, 225, 247, 248, 251, and 252 Type(s) (Step-by-Step Types)	800-669-181	1	(IS218.029) — Relays — 286, 287, and 288 Type(s)
800-668-191	3	(IS218.018) — Relays — 266 Type	800-669-182	6	(IS218.030) — Selectors — 200, 206, 209, and 211 Types — Banks — 16, 26 and 32 Types
800-668-192	1	(IS218.020) — Relays — AK Type(s)	800-669-183	3	(IS218.031) — Keys
			800-669-184	1	(IS218.032) — Selectors — 204 Type (Minor Switch)
			800-669-185	7	(IS218.033) — Switches — 324, 325, and 328 (Crossbar) Types
			800-669-186	4	(IS218.034) — Switches — 197 and 198 (Step-by-Step) Types

**Division 801****Equipment Design and General Requirements and Engineering Information — Common Systems**

**801-0 Index, Inventory Control/Identification, Distributing Frames, Racks, Ladders, Casings, Cabinets, Fuse Bays, Network, and Miscellaneous Frames and Equipment**

**801-1 Minicomputer Equipment**

**801-2 Test Equipment**

**801-3 New Product Development Support  
-301 NS Gate Process**

**801-4 Line Balancing and Delay Equalizing, Repeating Coils, VF Repeaters, VF Maintenance, Radio and Carrier**

**801-5 Digital Transmission Facilities**

**801-6 Alarm, Announcement, Selective Signaling, Warning, Alerting, Air Ground Communication, Code Calling, Reporting, Signaling Systems and Signaling Equipment**

**801-7 Picturephone Equipment**

**801-8 Electronic Switching Type Equipment**

**801-9 Miscellaneous**

Number	Issue	Subject
801-000-000	41	Numerical Index — Division 801 — Equipment Design and General Equipment Requirements and Engineering Information — Common Systems (2-95)

**801-001 Inventory Control/Identification**

801-001-100	1	Bar Code Standards
801-001-105	3	Bar Code Label Standard — Shipping and Receiving

Number	Issue	Subject
<b>801-005 Distributing Frames</b>		
801-005-150	4	(J97029) — Single Sided — 11' 6" High — 10" Guard Rail Width — Verticals on 8" Centers
801-005-151	2	(J97030) — Single Sided — Arranged for Protectors and Associated Radio Frequency Line Filters — 7'-0" and 9'-0" High
801-005-152	1	(J97031) — Main Distributing Frames — Protector Frames
801-005-153	1	(J97032) — Intermediate Distributing Frames — Trunk Distributing Frames
801-005-164	2	(J90610) — COSMIC® II Frame System
<b>801-006 Racks</b>		
801-006-150	5	(J90603) — Cable Racks
801-006-151	5	(J90801) — Cable Hole Sheathing
801-006-153	3	(J93001) — Relay Rack — Unit Framework and Wiring
801-006-154	5	(J97014) — Relay Racks — Channel Type — Framework
Addendum	1	
801-006-155	4	(J97025) — Relay Rack — Angle Type Framework and Cabling
Addendum	1	
801-006-156	5	(J97021) — Message Register Rack — Unit Type
801-006-157	7	(J92603) — Traffic Register Equipment
Addendum	1	
801-006-158	3	(J90606) — Cableway Systems for Electronic Offices Using 7-Foot Frameworks — Equipment Design Requirements — Common Systems
801-006-161	2	Telephone Equipment Frame Cooling — Use of KS-21344 Air Diffuser
801-006-162	1	(J99392) — Routing Selected Transmission Control (RSTC) — Loop Around and Gain Trunk Circuits

Number	Issue	Subject	Number	Issue	Subject
<b>801-007 Ladders</b>			<b>801-020 Network Equipment</b>		
801-007-150	5	(J90604) — Ladders, Benches, and Stools — Application Practices	■ 801-020-100AC	1	NEBS (Network Equipment Building System) General Equipment Requirements
801-007-151	3	(J90605) — Rolling Ladders — Track Type	<b>801-025/-026 Miscellaneous Equipment</b>		
<b>801-009 Cabinets</b>			801-025-150	9	(J99234) — Long Line Equipment for Subscriber Lines to a Central Office
801-009-150	3	(J99204) — Alarm Circuit — Central Office, PBX, or Auxiliary Telephone Repeater Station	Addendum	1	
801-009-151	4	(J99219) — Steel Equipment Cabinets Housing Miscellaneous Equipments	801-025-153	1	(J99242) — Miscellaneous Central Office Equipment Covered by Equipment Drawing Codes
801-009-152	3	(J99354) — Facilities Serving Power Industry — Terminating Unit — Central Office and Power Stations	Addendum	1	
801-009-153	2	(J99355) — Facilities Serving Power Industry — Remote Drainage Unit	801-025-154	1	(J99243) — 4-Wire Bridging Arrangement Using 2-Way Speech Multipoint System — Central Amplifier Circuit
801-009-154	2	(J99356) — Facilities Serving Power Industry — High Voltage Interface Unit	Addendum	1	
<b>801-010 Fuse Bays</b>			801-025-155	1	(J99241) — 2-Wire Bridging Equipment Multistation Private Lines — 20-Cycle Signaling
Addendum	1		801-025-156	2	(J99240) — Emergency Transfer Facilities to Provide Alternate Routes for Vital Circuits
801-010-150	3	(J97033) — Angle Relay Rack Type	801-025-157	1	(J99228) — Trunking Facilities for Interconnecting Community Dial Offices With Operator Offices
Addendum	1		801-025-158	4	(J93007) — Trunks Interconnecting — Operator Offices With Community Dial Offices
801-010-151	4	(J97037) — Bulb Angle Type Relay Rack — Arranged for 70-Type Fuses	801-025-159	2	(J99265) — Loop Signal Converter and Long Line Equipment for Use With 154A1 Automatic Data Set Operation
<b>801-015 Miscellaneous Frames</b>			801-025-160	2	(J99294) — Transistorized Conference Amplifiers and Equipment for Four or Six Simultaneous Connections
801-015-150	3	(J97035) — Cable Duct-Type Bay Framework and Associated Parts	801-025-162	6	(J98610) — Program Transmission — Equipment for Central Office Distributing System
801-015-151	2	(J97038) — Cable Duct-Type Bay Framework With Unequal Flange Uprights and Associated Parts	Addendum	1	
801-015-152	1	(J97039) — Universal Framework (UNIFRAME) and Associated Parts	801-025-163	13	(J93016) — Relay Rack Mounted Equipment for Traffic, Maintenance Desks, and Frames
801-015-154	1	(J98632) — 7-, 9-, 11-Foot 6-Inch Network Bay Frame			



Number	Issue	Subject	Number	Issue	Subject
801-025-164	3	(J93012) — Relay Rack Mounted Equipment for Local Manual or Combined Local Manual and Toll Offices Interconnected by Intertoll Dialing Arrangements or by Toll Switching System No. 4	Addendum	1	
801-025-165	10	(J99206) — Equipment Units — Relay Rack Mounted	801-026-155	2	(J99340) — General Purpose 4-Wire — Order Circuit Equipment
801-025-166	11	(J99235) — Equipment Units — Relay Rack Mounted	❶ 801-026-156	1	(J99342) — Preemption Tone Detector for AUTOVON
801-025-167	5	(J99236) — Relay Rack Mounted Equipment — Located in Central Office or in Either a PBX or Central Office Associated With PBXs	801-026-157	1	(J99344) — Interconnecting Units — Master Specification
801-025-168	6	(J99226) — Battery Filters — Equipment and Wiring	801-026-158	1	(J98623) — Message Repeater Terminal Equipment for Long Subscriber Loops
801-025-169	3	(J99278) — Decentralized Filter Unit	801-026-159	4	(J99334) — Plug-In Long Line Units for Customer Lines to a Central Office or PBX and for Trunks Between a PBX and a Central Office
801-025-170	1	(J99290) — Automatic Detection of Operated Gas Pressure Contactors or Transducer Pressure Indications in Pressurized Exchange Cable	801-026-160	3	(NJ02517) — Signaling Range Extender for Coin Lines
801-025-171	1	(J93023) — Event Counter Unit	801-026-161	5	(J49803) — Testing Equipment (AMA) — Perforator and Reader Test Unit
801-025-172	1	(J99283) — No. 1A Line Concentrator — Battery Charging Unit	801-026-162	2	(J49806) — Reader Cabinet — Paper Tape Reader Equipment — Electronic Data Processing — Automatic Message Accounting Centers
801-025-173	2	(J99279) — Modifications of No. 1A Line Concentrator Systems	801-026-164	2	(J99365) — No. 1 Trunk Concentrator and Outgoing Trunk — Frames
Addendum	1		801-026-165	3	(J99375) — Incoming Trunk Frames and Units — No. 1 Trunk Concentrator — Equipment Design Requirements — Common Systems
801-025-174	4	(J99259) - No. 1A Line Concentrator — Remote Units	Addendum	1	
Addendum	1		801-026-166	2	(J99376) — Outgoing Trunk Units and Outgoing Trunk Transmission Units — No. 1 Trunk Concentrator
❶ 801-025-175	4	(J99258) — No. 1A Line Concentrator — Control Frames and Units	801-026-168	1	(J93026) — Transmission Test Termination Units — Crossbar, Manual, Panel, Step-by-Step, PBX, or Toll Office
❶ 801-025-176	2	(J99305) — Line Concentrator No. 2B — Control Frame	801-026-171	5	(J99380) — Customer Premises Facility Terminal
❶ 801-025-177	2	(J99306) — Line Concentrator No. 2B — Remote Frame	Addendum	1	
801-025-178	2	(J99295) — Line Concentrator No. 2A — Remote Frame	801-026-173	1	(J99391) — Message Printer Unit
❶ 801-025-180	1	Performance Requirements — Line Concentrator No. 2B	801-026-180	1	Performance Requirements — No. 1 Trunk Concentrator
801-026-151	2	(J99227) — 10 IPM Interrupter and Impulse Clock Supply			
801-026-152	3	(J99327) — J99327A Tone Generator (400A)			
801-026-153	2	(J99328) — J99328A Timer (5A)			
801-026-154	3	(J99329) — J99329A Control Unit (60A)			

Number	Issue	Subject	Number	Issue	Subject
<b>801-1 Minicomputer Equipment</b>			801-205-163	5	(J94725) — Test Set for Mercury Contact Relays
801-100-151	3	(J99366) — Unified Bus Converter Unit — 16 Row by 16 Bit Scanner Matrix Unit — 4 Row by 16 Bit Signal — Distributor Matrix Unit	801-205-164	1	(J94726) — Interrupter Set — 30 Pulses Per Second
Addendum	1		801-205-165	3	(J94727) — 1A Signaling Test Set
801-100-152	2	(J99379) — Programmable Scanner/ Distributor (PSD)	801-205-166	2	(J94728) — Trunk Test Set For Test of Intercepting Trunks to Information Desks Nos. 3, 4, and 6
801-100-153	2	(J1C124) — Magnetic Tapes — UNIX®* Operating System	801-205-167	5	(J94729) — Trunk Test Equipment for Test of Incoming Automatic Information or Intercepting Trunks
<b>801-2 Test Equipment</b>			801-205-168	1	(J94730) — 1A Fault Locator Test Set
<b>Test Frames, Test Sets</b>			801-205-169	1	(J94731) — Cold Cathode Tube Test Set
801-205-150	1	(J93027) — Remote Office Test Line Control Panel for Use With Electromechanical Remote Office Test Line Systems	801-205-170	3	(J94732) — 3A Pulse-Generating Test Set, Electronic Type, and 3A Digit Control
801-205-151	7	(J93006) — Relay Rack Mounted Test Equipment	801-205-171	1	(J94735) — Magnetic Latching Relay — Timing Test Set
Addendum	1		Addendum	1	
801-205-152	5	(J93017) — Relay Rack-Mounted Test Equipment	801-205-172	2	(J94738) — Remote Testing Test Set
801-205-154	2	(J93025) — Coin Station Test Line Calibration Set	801-205-173	2	(J94743) — 4A Signaling Test Set for Maintenance and Testing in Loop, Single Frequency, E&M Lead and DX Signaling Systems
801-205-155	4	(J94711) — Patching Cord Test Set — Box Type — Wall Mounted	801-205-174	1	(J94742) — Portable Auxiliary Trunk Test Set for Use in Testing Trunks to No. 5 Crossbar ACD
801-205-157	4	(J94713) — Relay Timing Test Set for Testing Relays for Time Adjustments (Box Type)	801-205-175	2	(J64714) — D-C, MF, and MF and D-C, Key Pulsing Control Set
801-205-158	5	(J94714) — 35F Test Set (Box Type) for Adjusting Relays and Other Electromagnetic Apparatus	801-205-176	2	(J64722) — Pulse Repeating Test Set (Box Type)
801-205-159	5	(J94715) — Call Thru Test Set (Box Type) and Associated Connecting Facilities for Originating and Receiving Calls Over Subscriber Line Circuits	801-205-177	1	(J99233) — Telephone and Test Equipment for Testing 2- and 4-Wire Private Lines
801-205-160	1	(J94720) — Jack Test Set (Box Type)	801-205-178	2	(J99297) — Touch-Tone Station Test Receiver — Signaling
801-205-161	3	(J94723) — Pulse Checking Test Set — (Box Type)	801-206-150	1	(J99348) — Speed Test Circuit for Touch-Tone Automatic Dialers
801-205-162	3	(J94724) — Contact Closure Test Set (Box Type)	Addendum	1	
			801-206-152	1	(J94736) — No. 1A Pulsing Analyzer — Portable Type
			801-206-153	1	(J94747) — No. 1 Trunk Concentrator — Portable Trunk Test Set

\* UNIX is a registered trademark of Novell, Inc.

Number	Issue	Subject	Number	Issue	Subject
<b>Test Cabinets, Test Desks, Desks, Key Cabinets Testboards, Test Units</b>			801-225-153	6	(J63516) — No. 17B Testboard
801-220-150	2	(J94717) — Local Test Cabinet No. 2 — (Box Type)	801-225-154	3	(J63519) — 17C Testboard
Addendum	2		① 801-225-155	2	(J63529) — No. 17D Testboard
801-220-151	7	(J94709) — No. 3 Local Test Cabinet	801-225-156	1	(J63531) — No. 17E Testboard
801-221-150	9	(J95001) — Loudspeaking Telephone System for Communication Between No. 14 or No. 16 Local Test Desks or No. 3 Cable Test Desk and Distributing Frames	801-225-158	2	(J63527) — No. 19A Testboard
Addendum	2		801-225-159	1	(J63530) — No. 20A Testboard
801-221-151	9	(J95002) — No. 14 Local Test Desk	Addendum	1	
801-221-152	4	(J95003) — No. 3 Cable Test Desk	① 801-225-160	3	(J63532) — No. 21A Testboard
Addendum	1		801-225-161	1	(J99267) — Remote Telegraph Testboard — Switch Frame
801-221-154	3	(J95005) — Test Desk and Associated Supporting Relay-Rack — Equipment Frames — No. 16 Local Test Desk	801-225-163	2	(J63524) — Circuit Patching Bay
801-222-150	5	(J94801) — No. 2 Repair Service Desk	801-225-180	4	Performance Requirements — Testboards No. 4, No. 5, No. 16, No. 17B, 17C and No. 18B
801-222-151	3	(J94703) — Test Supervisor Private Desk	801-225-181	2	Performance Requirements — Amplifiers, Amplifier-Rectifiers, and Weighting Networks for Testing and Maintenance
801-223-150	5	(J94907) — No. 20 Key Cabinet	801-225-182	1	Performance Requirements for Remote Telegraph Testboard Switch Frame
801-223-151	3	(J94909) — No. 21 Key Cabinet	801-225-184	1	(J1C189) — Test Bus Control Unit (TBCU)
801-224-150	3	(J63523) — No. 2A Toll Test Unit — Mobile Wheatstone Bridge — Voltmeter and Telephone Unit	<b>Transmission and Noise Measuring Equipment — Specifications</b>		
801-224-151	2	(J63528) — No. 5A Toll Test Unit	801-250-150	10	(J94002) — 2-Type Panels, Units, and Portable Test Sets for Transmission Measuring
801-224-152	1	(J94745) — Multifrequency Signaling Test Unit	Addendum	1	
801-224-153	1	(J94746) — Multichannel Tone Test Unit	801-250-151	6	(J94003) — Noise Measuring Sets
801-224-154	1	(J94748) — 24 Channel PCM Bank Type D1 — Encoder Bias Digital Test Set	801-250-152	6	(J94004) — Transmission Test Line or Test Trunk Equipment — Crossbar, Manual, Panel, Step-by-Step, PBX, or Toll Office
801-225-150	2	(J63509) — Talking and Signaling Set Equipment for Testboards	801-250-153	7	(J94005) — Using 1U and 1W Amplifier Rectifier (Analog TMS) or KS-20805 Transmission Measuring System (Digital TMS)
801-225-151	7	(J63513) — Miscellaneous Panels and Units for Use With Testboards (also numbered 807-409-150)	Addendum	3	
801-225-152	9	(J63517) — Miscellaneous Panels and Units for Use With Testboards	801-250-154	8	(J94006) — Transmission Measuring — 6-Type Noise Measuring Equipment
			Addendum	1	
			801-250-155	2	(J94007) — Transmission Measuring Carrier Frequency Noise — Measuring Set
			801-250-157	3	(J94022) — Transmission Measuring — 22A Milliwatt Reference Meter

Number	Issue	Subject
Addendum	1	
801-250-158	5	(J94023) — 23-Type — Transmission Measuring Set
801-250-159	3	(J94024) — 24-Type — Subscriber Loop Transmission Checking Equipment
801-250-160	5	(J94025) — J94025-Type — Voiceband Gain and Delay Set
801-250-161	1	(J94026) — J94026 — Wideband Gain and Delay Set
801-250-162	4	(J94027) — 27-Type P/AR
801-250-163	7	(J94051) — 51-Type Automatic Transmission Measuring System — Transmission Measuring
801-250-165	8	(J94071) — 71-Type Milliwatt Reference Generators, Office Tone Sources, and Associated Distributing Arrangements
801-250-166	4	(J99254) — 54-Type Test Sets for Use With E6 and E7 Telephone Repeaters
Addendum	1	
801-250-167	10	(J93020) — Automatic Transmission Measuring System
801-250-168	4	(J93024) — Wideband Test Terminations (100 and 102 Type) — Echo Suppressor Test Termination (108 Type) — Test Line (107 Type) Equipment
801-250-169	2	(J94028) — Transmission Measuring — Continuity Test Circuits
Addendum	1	
801-250-170	2	(J94008) — 8-Type Tone Detector — Transmission Measuring
Addendum	1	
801-250-172	2	(J94052) — 52-Type Automatic Transmission Measuring System — Transmission Measuring
801-250-173	2	(J94054) — ATMS Interrogators and Associated Equipments
801-250-175	1	(J94056) — 56A Mini-Responder — Transmission Measuring
801-250-177	2	(J1C140) — Digital Access Timeslot Selector (DATS) — Transmission Test

Number	Issue	Subject
<b>Performance Requirements Transmission and Noise Measuring Equipment</b>		
801-270-180	1	(J64006B) — Amplifiers and Weighting Networks for Testing and Maintenance
801-270-181	2	(J68831A) — Visual Transmission Measuring Set

**801-3 New Product Development Support**

**801-301 NS Gate Process**

■ 801-301-100	1	NS Views User Guide — CIC Contact Dean Harmon x-6369
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**801-4 Line Balancing and Delay Equalizing, Repeating Coils, VF Repeaters, VF Maintenance, Radio and Carrier**

**Line Balancing, Delay Equalizing, Repeating Coils**

801-401-150	7	(J98607) — Line and Balancing — Repeating Coil Equipment Units — For Open-Wire or Cable Circuits — Arranged for CX Signaling
801-401-151	6	(J98616) — Line and Balancing — Impedance Compensator and Impedance Corrector — Panel and Bay Equipments
801-401-152	4	(J99292) — Amplitude and/or Delay Equalizing Units for Use With Voice Frequency Circuits
801-401-153	1	(J99347) — Amplitude and/or Delay Equalizing Units for Use With Voice Frequency Circuits

**VF Repeaters and VF Maintenance**

801-405-150	3	(J98611) — E1 Telephone Repeater
801-405-151	6	(J98612) — E2 and E3 Telephone Repeaters and E-Repeater Test Set
801-405-152	8	(J99253) — E6 Telephone Repeaters and Unit and Bay Equipments for E6 and E7 Telephone Repeaters
801-405-153	1	(J99271) — E7 Telephone Repeaters
801-405-180	3	(J98611A) — Performance Requirements — E1 Telephone Repeater SD-95465-01

Number	Issue	Subject	Number	Issue	Subject
801-405-181	3	Performance Requirements — E2 and E3 Telephone Repeaters	801-407-153	4	(J98624) — VF Bay Assemblies and Associated Equipment to Provide Transmission Features Such as Level Adjustment, Echo Suppression, Equalization, and Type F Signaling
801-406-151	8	(J98615) — V4 Telephone Repeater — Bay Equipment Panels and Associated Terminating Equipment	801-407-154	6	(J99338) — Special Voice-Frequency Equipment for Use With Operator Services, Test Facilities or Similar Application
Addendum	1		801-407-155	4	(J98625) — Range Extender With Voice Frequency Gain (Reg)
801-406-152	2	(J98619) — Message and Signal Repeater for Long Subscriber Loops	801-407-156	3	(J98626) — Unitized VF Terminal Equipment — F Type Signaling, A6 Carrier Channel Banks and Associated Equipments
801-406-160	10	(J99343) — Metallic Facility Terminal	Addendum	1	
801-406-161	2	(J99378) — Metallic Facility Terminal With Maintenance Access Provisions	801-407-159	2	(J98629) — Unitized VF Terminal Equipment — F Type Signaling, A6 Carrier Channel — Banks and Associated Equipments
801-406-162	3	(J99386) — Metallic Facility Terminal Connectorized Modular	801-407-160	2	(J98631) — Miniature Range Extender With Voice Frequency Gain (Mini-REG)
801-406-163	3	(J99394) — Metallic Facility Terminal Connectorized Modular With Maintenance Access Provision	801-407-180	1	(J99338) — Performance Requirements — Switched Gain Repeater
801-406-164	1	(J99400) Packaged Metallic Facility Terminal — Assemblies for Network Termination and Central Office Application	Addendum	1	
801-406-165	3	(J99401) — Metallic Facility Terminal — Special Arrangements and Mounting Equipment	801-408-150	3	(J99320) — Switched Maintenance Access System No. 1A
801-406-166	1	(J99402) — Automated Transmission Terminal System (ATTS), Metallic—Metallic-Facility Treatment (MFT-5)	801-408-151	3	(J98622) — Relay Rack Equipment — Switched Maintenance Access System No. 3( )
801-406-167	1	(J99403) — Automated Transmission Terminal System (ATTS) Provisioning Controller	Addendum	1	
801-406-180	4	Performance Requirements — V3 Telephone Repeaters	801-408-152	1	(J99357) — Testboard No. 24A
801-407-150	4	(J98617) — VF Bay Assemblies and Associated Equipment to Provide Transmission Features Such as Level Adjustment, Equalization, and Signaling	801-408-153	3	(J99359) — Switched Maintenance Access System (SMAS)—Interface and DF Access (SMAS 4) Equipment for Use With SMAS 5A/RTS 5A Equipment to Provide a SMAS 5B/RTS 5A Network
801-407-151	4	(J98620) — Miscellaneous Voice Frequency Equipment	801-408-154	3	(J99361) — Intertoll and Integrated Manual Test Frame (Testboard No. 25A)
801-407-152	3	(J98621) — Voice Frequency — Transmission Maintenance — Bays and Associated Panels	801-408-155	1	(J99362) — Voice-Frequency Transmission — Status Display Frame
			801-408-156	1	(J99363) — Voice-Frequency Transmission — Status Concentrator Frame

Number	Issue	Subject
<b>Radio Specifications</b>		
801-415-150	3	(J99303) — Short Haul Radio Systems — TJ, TL-2, and TM-1 — Application Specification
Addendum	1	
801-415-151	2	(J99262) — TL-1 Radio — Transmitter- Receiver Equipment — Order-Wire and Alarm Equipment
801-415-152	3	(J99296) — TL-2 Radio — Transmitter- Receiver, Order-Wire and Alarm Diversity Switch, Video, and Associated Equipment Common to Short Haul Radio Systems
801-415-153	3	(J99302) — TM-1 Radio — Transmitter- Receiver Equipment, Power Amplifier, and Associated Equipment — Common to Short Haul Radio Systems
801-415-155	1	(J99351) — TM-2 Radio — Transmitter- Receiver Equipment

**Radio Performance Requirements**

801-415-180	1	TL Microwave Radio Transmitter-Receiver
801-415-181	2	TL-2/TM-1 Microwave Radio — Transmitter-Receiver
801-415-182	1	TM-A1 Power Amplifier
801-415-183	1	TM-1 Microwave Radio — TM-1 Transmitter Equipped With TM-B1 Power Amplifier
801-415-185	1	TM-2 Microwave Radio — Transmitter- Receiver

**N1 Carrier**

**Specifications**

801-430-150	13	(J98703) — N1 Terminal and Repeater — N1, O1, and ON-1 Miscellaneous Equipment
801-430-151	6	(J98704) — Order Wire and Alarm
801-430-152	2	(J99333) — N Carrier Telephone — Schedules A and B Program Terminal — Plug- In Units and Shop-Wired Terminal

**Performance Requirements**

801-430-180	5	Terminal Mountings
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Number	Issue	Subject
801-430-181	4	N1 and ON1 Carrier Telephone Repeater Mounting
801-430-182	2	Order Wire and Alarm Circuits
801-430-183	1	Reversing Circuit and Associated Branch Circuits for Schedule A and B Program Transmission
801-430-184	2	Deviation Regulator
801-430-185	2	J98703BE Adjustable Deviation Equalizer — N and ON Carrier Telephone Systems

**N2 Carrier**

**Specifications**

801-431-150	8	(J99272) — Terminal Equipment — Plug- In Units and Shop-Wired Bays
801-431-151	6	(J99285) — Packaged Terminal Equipment
801-431-152	5	(J99321) — N Carrier Telephone — N2 Carrier Repeater
801-431-153	2	(J99323) — N Carrier Telephone — N2 Line Build-Out and Cross-Connecting Equipment

**Performance Requirements**

801-431-180	1	Terminal Bays
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**N3 Carrier**

801-432-150	4	(J99300) — N3 Terminal, N3-L Type B or C Junction, and Common Carrier- Frequency Supply
Addendum	1	
801-432-151	3	(J99331) — N3-L Junction
801-432-155	3	Terminal Equipment — N4 Carrier Telephone

**O, ON and ON/K Carrier**

**Specifications**

801-435-150	7	(J98705) — O Carrier Telephone — Terminals and Repeaters
801-435-151	6	(J98706) — ON Carrier Telephone — Repeaters, Junction, and Multiplex Equipment
801-435-152	4	(J98709) — ON/K Carrier Telephone — Terminal, Repeater, and Junction Equipment

Number	Issue	Subject	Number	Issue	Subject
<b>Performance Requirements</b>			801-500-152	1	(J98735) — Digital Access and Cross-Connect System — System Application and Equipment Design Requirement
801-435-180	6	O1 Carrier Telephone Terminal Mountings	801-500-154	1	(J98739) P QUARK — Programmable Quantizer Analyzer and Record Keeper
801-435-181	3	O1 Carrier Telephone Repeaters	801-505-150	3	(J98711) — D1 Channel Bank Equipment for Use With T1 Carrier
801-435-182	2	ON1 Carrier Telephone Terminals and Junction Mountings	801-505-151	3	(J98713) — Wideband Data Equipment for Use With T1 Carrier
801-435-183	1	20 Channel-40 Channel Combining Circuit of ON1 Carrier Telephone for Radio	801-505-152	4	(J98714) — D2 Channel Bank Equipment for Use With Digital Transmission Systems
801-435-184	1	ON/K Carrier Telephone Terminal, Repeater, and Junction Mountings	801-505-153	1	(J98718) — D3 Channel Bank Equipment for Use With Digital Transmission Equipment
801-435-185	1	ON/K Carrier Telephone Adjustable Deviation Equalizer	801-505-154	1	(J98715) — Unitized D3 Channel Bank Bay With Optional SMAS
<b>Loop Carrier</b>			801-505-155	3	(J98726) — D4 Channel Bank Equipment for Use With Digital Transmission Systems
801-440-001	1	(J1C142) — Pair Gain Test Controller (PGTC)	801-505-156	1	(J98732) — DCT Channel Bank Equipment for Use With Digital Transmission Systems
Addendum	1		801-505-157	3	(J98733) — Voice Frequency Transmission — Unitized Digital Transmission Facilities Terminal, D4 Channel Banks With SMAS 3 or SMAS 5 Access Circuit
801-441-150	3	(J99332) — U-1 Subscriber Loop Carrier	801-505-158	2	D4 Channel Bank Equipment Code List, Digital Transmission Systems
801-441-151	2	(J98729) — Subscriber Loop Carrier-1 (SLC®-1)	801-505-159	1	(J98473) — D5 Channel Bank and Controller Equipment For Use With Digital Transmission Systems
801-444-170	1	KS-20988 Multi-Channel Subscriber Carrier	<b>Performance Requirements</b>		
801-445-150	1	(J1C123) — Loop Switching System	801-505-180	1	T-1 Carrier Terminal Bay — (D1 Bank)
801-450-103	3	(J1C128) — SLC-8 Subscriber Loop Carrier System	801-505-181	1	D2 Channel Bank
801-450-104	1	Subscriber Loop Carrier-96 — SLC-96 Channel Bank Equipment	801-507-204	4	D5 Digital Terminal System Non-mechanized Ordering Guides NOTE: Includes binder, introduction, and tabs. To obtain contents of binder, order separately 801-507-205, -206, and -207.
801-450-105	1	(J1C171) — SLC-24 Subscriber Loop Carrier System			
801-450-150	3	(J1C046) — Subscriber Loop Multiplexer			
Addendum	1				
801-450-151	4	(J1C049) — Subscriber Loop Carrier-40 (SLC-40)			
<b>801-5 Digital Transmission Facilities</b>					
<b>Channel Banks</b>					
<b>Specifications</b>					
801-500-150	2	(J98731) — DSX-1, DSX-1C, and DSX-2 — Patch and Cross-Connect — Equipment Design Requirements — Common Systems			

Number	Issue	Subject
801-507-205	2	D5 System Nonmechanized Ordering Guide and Equipment Record for New D5 Digital Terminal System Equipment
801-507-206	2	D5 System Nonmechanized Ordering Guide and Equipment Record for Additions to Existing D5 Digital Terminal System Equipment
801-507-207	2	D5 System Nonmechanized Ordering Guide for D5 Digital Terminal System Plug-Ins

**Transmission Lines**

**Specifications**

801-523-150	4	(J98710) — T1 Carrier — System Requirements and Repeater Bay Equipment
801-523-151	2	(J98717) — T2 Digital Line — System Application Specification
801-523-152	2	(J98721) — T4M Digital Line — System Application & Equipment Design Requirements
801-523-153	1	(J98725) — T1C Carrier — System Requirements and Repeater Bay Equipment
801-523-156	2	(J98728) — T1/OS Digital Transmission System — Line and Terminal Equipment
801-523-166	1	(J98745) — Transversal Equalizer Bay — 90B Digital Regenerator

**Performance Requirements**

801-523-180	1	T-1 Carrier — Office Repeater Bay
801-523-181	2	Carrier Alarm Circuit
801-523-182	1	T-1/OS Span Terminating Bay Circuits — Common Systems
801-523-183	3	(J98721A, B) — T4M Digital Coaxial Line — Span Terminating Frame
801-523-264	1	(J99383) Radio Line Terminating Frame (RLTF) and Radio Line Terminating Arrangement (RLTA) — 3A Radio Digital System (3A-RDS)

Number	Issue	Subject
<b>Multiplexer</b>		
<b>Specifications</b>		
801-525-151	1	(J98716) — M1-2 Digital Multiplex System Application
801-525-153	3	(J98723) — M34 Digital Multiplex — Digital Transmission Facilities — System Application
801-525-154	2	(J98724) — Digital Transmission Facilities — M13 Digital Multiplex — System Application
801-525-155	1	(J98727) — M1C Digital Multiplex for T1C Carrier
801-525-157	1	(J98737) — M1C-A Digital Multiplex for T1C Carrier

**Performance Requirements**

801-525-180	1	Digital Multiplex/Demultiplex Circuit, M1-2
801-525-181	1	M13 Digital Multiplex Circuit
801-525-183	1	M34 Digital Multiplex
801-525-184	1	Digital Multiplex/Demultiplex Circuit, Type M1C
801-525-185	1	(J98734M) — MX3 Multiplex Assembly
801-525-186	1	(J98734L) — MX3 Lightwave Terminating Multiplex Assembly
801-525-187	2	FT3 Line Repeater Bay
801-525-189	1	Digital Multiplex/Demultiplex — Circuit Type MIC-A

**801-6 Alarm, Announcement, Selective Signaling, Warning, Alerting, Air Ground Communication, Code Calling, Reporting, Signaling Systems and Signaling Equipment**

**Alarms**

**Specifications**

<b>Addendum</b>		
801-601-150	6	(J99202) — Central Office Fire Drill Equipment
801-601-151	6	(J99232) — Audible and Visual Alarm Equipment Units for Interconnection of No. 5 Crossbar With Other Systems (Dually Numbered With 819-752-150)
801-601-152	2	(J93009) — Central Office — Audible and Visual — Maintenance Alarm Equipment



Number	Issue	Subject	Number	Issue	Subject
Addendum	2		Addendum	1	
801-601-153	1	(NJ01046) — Central Office — Audible and Visual — Maintenance Alarm Equipment	801-603-158	5	(J95419) — No. 9A
801-601-154	7	(J98302) — Emergency Alarm System — Automatic Fire-Detection Feature	801-603-159	2	(J99276) — No. 11A
801-601-155	4	(J98303) — Emergency Alarm System Without Code Signaling	801-603-160	3	(NJ02506) — Apartment Door Answering Service
801-601-156	15	(J98304) — Alarm Transfer Equipment Units — No. 5 Crossbar and Common Systems (Also Numbered 819-751-150)	801-603-161	6	(NJ02500) — Automatic Number Announcer and Verification Units
801-601-157	1	(NJ01078) — Central Office — Fuse Alarm — Maintenance Equipment	801-603-162	1	(J1C012) — Recorded Announcement Frame — Variable Message Length, Modular Message, Phased Message Announcement Service and Message Synthesis Service
801-601-158	6	(J28350) — Emergency Alarm Systems With or Without Code Signaling Including Automatic Fire-Detection Feature	801-603-163	1	(J1C121) — 13A — For Recording and Reproducing Dial Facilities Management Announcements
801-601-159	1	(NJ01207) — Unattended Office — Audible and Visual — Maintenance Alarm Equipment	801-603-165	1	(J1C194) — 14A Announcement System
801-601-181	1	(NJ01046) — Central Office Alarm System — Strapping and Interconnection Instructions	801-603-170	1	No. 6A — Machine Intercept
<b>Announcement Systems</b>			<b>Performance Requirements</b>		
<b>Specifications</b>			801-603-180	1	Announcement Machine Intercept Circuits
Addendum	1		801-603-181	2	No. 3A
801-603-150	9	(J95403) — Announcement Supply Equipment	801-603-182	3	124B Amplifier
Addendum	1		<b>Selective Signaling</b>		
801-603-151	3	(J95410) — 2B — For Subscriber Operated Announcement Service	801-605-150	7	(J99252) — SS1
801-603-152	1	(J95418) — No. 2D	801-605-151	1	(J98614) — Telephone Order Wire Equipment — Using SS1
Addendum	1		<b>Warning, Air-Ground Communication, Alerting</b>		
801-603-153	6	(J95411) — No. 3A — Equipment Design Requirements	801-606-150	5	(J99237) — Civil Air Defense Warning System
801-603-154	4	(J95415) — Emergency	801-606-153	2	(J99245) — Air-Ground Voice Communication System
801-603-155	5	(J95416) — No. 4A	Addendum	1	
Addendum	1		801-606-155	7	(J95421) — Group Alerting System
801-603-156	5	(J95417) — No. 6A — For Machine Intercept Service	<b>Code Call</b>		
Addendum	1		801-607-150	6	(J58822) — 3A Code Call Unit
801-603-157	3	(J95420) — 8A	801-607-180	1	3A Code Call Circuit

Number	Issue	Subject	Number	Issue	Subject
<b>Reporting</b>			801-621-151	3	(J99289) — Receiver — Type A3
Addendum	1		Addendum	1	
801-608-150	6	(J99244) — 520A Emergency Reporting System	801-621-152	3	(J99322) — Centralized Touch-Tone Calling Equipment for PBX Services — PBX and Common Systems (Dually Numbered With 809-140-153)
801-608-151	6	(J99246) — 520B Emergency Reporting System	801-621-154	1	(J99374) — Touch-Tone Calling Receiver
Addendum	1		801-621-155	2	(J99388) — Touch-Tone Signaling Receivers — Type H
801-608-154	4	(J99257) — 520D Emergency Reporting System	<b>Metallic Terminal System</b>		
Addendum	1		801-630-150	3	(J1C015) — Metallic Terminal System
801-608-155	3	(J99251) — 520E — Industrial Emergency Reporting System	<b>Signaling Equipment</b>		
801-609-152	3	(J92617) — E2 Status Reporting and Control System — Central and Remote Bays — Summarizing Specification — Operations Support System	CX, SX		
801-609-153	1	(J92618) — E2 Status Reporting and Control System — Equipment Units	801-640-150	7	(J98602) — Composite Signaling — Signaling, Signal Converting, Repeating Coil, Balancing Network, and Compromise Network Units
<b>Signaling Systems</b>			801-640-151	5	(J98603) — Simplex Signaling Equipment Units for D-C Supervisory and Dial Pulse Signaling
<b>MF Pulsing</b>			801-640-152	5	(J98604) — Combination Type "B" Composite Signaling, Repeating Coil, and CX Set Equipment Units for Transmitting and Receiving Supervisory and Dial Pulses
801-620-150	6	(J95102) — Receiving Equipment	801-640-153	10	(J98605) — Miscellaneous Trunk, Signal Converting, and Signal Repeating Equipment Units for Repeating Signals or Converting Type "B" Composite or Simplex Signals to Dial Pulses or Supervisory Signals
801-620-151	7	(J98609) — Multifrequency Current Supply for AC Keysets and Multifrequency Pulsing Senders	801-640-154	10	(J98606) — Type "B" CX Signaling — Signaling Equipment Units and Associated Network Equipment for Transmitting and Receiving Supervisory Signals and Dial Pulses
801-620-152	2	(J99337) — Receiver	<b>FSP</b>		
801-620-153	2	(J1C011) — Multifrequency Supply and Distribution Units	801-641-150	1	(J95113) — B1 Frequency Shift Pulsing — Transmitting Equipment
801-620-154	1	(J99353) — Multifrequency Receivers and Transmitters for Use in Electronic Central Offices			
801-620-155	1	(J99373) — Multifrequency Interface Units			
801-620-156	1	(J99385) — Dual Channel Receiver Unit			
801-620-157	1	(J99389) — Coin Tone Receiver			
801-620-170	2	The Multifrequency Pulsing System			
801-620-180	3	(J98609) — Performance Requirements — Multifrequency Pulsing Supply			
<b>Touch-Tone Calling</b>					
801-621-150	2	(J99266) — Receiver			

Number	Issue	Subject	Number	Issue	Subject
801-641-151	1	(J95114) — B1 Frequency Shift Pulsing — Receiving Equipment	Addendum	1	
<b>E-Type</b>			801-701-152	1	(J99341) — Wideband Remote Switch and Wideband Supplementary Remote Switch Frames
Addendum	1		801-702-001	1	(J90104) — Picturephone Meeting Service (PMS) — Room Controller — Equipment Design Requirements — Common Systems
801-642-150	15	(J98613) — E-Type — AC Trunk Signaling System	<b>801-8 Electronic Switching Type Equipment</b>		
801-642-170	2	2400- or 2600-Cycle Single-Frequency Signaling System	<b>Miscellaneous</b>		
801-642-180	3	Performance Requirements — 2400- or 2600-Cycle Supply Unit — (SD-98092- 01) and Load Transfer Unit (SD-98091- 01)	801-801-150	3	(J1A044) — Main, Intermediate, and Trunk Distributing Frames
801-642-181	3	Performance Requirements — 2000-Cycle Supply Unit J98613AJ and Load Transfer Unit J98613W	801-801-151	2	(J1C035) — Teletypewriter Equipment for Use With 1 ESS™ Switch in the Same or Distant Building
801-642-182	1	(J98613B) — 2600-Cycle Supply Unit (SD- 98080-01) — Performance Requirements	801-801-152	2	(J1C037) — Station Identification Frame — PBX Automatic Identified Outward Dialing — Type A2
<b>F-Type</b>			Addendum	1	
801-643-150	9	(J99335) — AC Trunk Signaling System	801-801-153	3	(J1C000) — Station Identification Frame — PBX Automatic Identified Outward Dialing — Type A1
801-643-155	1	(J99349) — Customer Premises — Signaling and Transmission Equipment	801-801-154	3	(J1A050) — Protector Frame — 1 ESS Switching System
<b>G-Type</b>			801-801-155	2	(J1A054) — Lineup Cable Racks and Cross- Aisle Cable Troughs for 7-Foot Framework
801-644-150	2	(J99395) — SF Signaling System — Type G, Standalone Bay	801-801-158	3	(J99360) — CCIS Terminal Unit
Addendum	1		801-801-162	1	(J99399) — CCIS Data Set Frame
801-644-151	1	(J99396) — SF Signaling System — Type G, Consolidated Bay	801-801-180	1	PBX Automatic Identified Outward Dialing — Performance Requirements — No. 1 and No. 5 Crossbar LAMA and ANI Offices — Panel and Step-by-Step ANI Offices
Addendum	1		801-801-181	1	PBX Automatic Identified Outward Dialing — Type A2 — Performance Requirements — No. 1 and No. 5 Crossbar LAMA and ANI Offices — Panel and Step-by-Step ANI Offices
801-644-152	1	(J99397) — SF Signaling System — Unitized Terminal Equipment — G-Signaling/N4 Carrier With SMAS	801-801-182	2	Central Office Engineering — General Engineering Information — Cable Distribution Systems and Systems Assembly in Electronic Offices Using 7-Foot Frameworks
<b>ANI-B Identifier Units</b>					
801-650-150	1	(J1C081) — For Use With No. 1 or 1A Automatic Message Accounting Recording Center			
<b>801-7 Picturephone Equipment</b>					
801-701-150	1	(J1C150) — Video Loop Equipment			

Number	Issue	Subject	Number	Issue	Subject
■ 801-802-110	3.2	AT&T Integrated Services — Digital Network (ISDN) — Primary Rate — Interface Specification	801-822-161	1	(J1C061) — Maintenance Frame Power Unit
<b>Stored Program Control No. 1A</b>			801-822-164	1	(J1C064) — Power Unit — Supplementary Main Store Frame
801-820-150	3	(J1C020) — Processor Frame	801-822-165	1	(J1C065) — Supplementary Main Store Frame
801-820-151	7	(J1C021) — Control and Display Program Tape and Teletypewriter Frame	<b>Auxiliary Data Processors</b>		
801-820-152	5	(J1C022) — Master Scanner Frame	801-823-150	2	Programmable Controller
801-820-153	5	(J1C023) — Signal Distribution Frame	801-823-151	1	(J1C122) — Writable Program/Data Store
801-820-154	3	(J1C024) — Central Pulse Distributor Frame	<b>801-9 Miscellaneous</b>		
801-820-156	5	(J1C026) — Store Frame	801-900-150	2	Firmware Coding and Documentation — General Descriptive Information
801-820-157	3	(J1C027) — General	■ 801-900-160	2	AT&T Network Equipment Development Standards (NEDS) Generic Requirements (1-95)
801-820-158	1	(J1C028) — Limiting Conductor Conditions	■ 801-900-165	1	AT&T Database Network Equipment Development Standards (DNEDS) Generic Requirements (12-94)
801-820-159	3	(J1C029) — Test and Maintenance Sets			
801-820-160	3	(J1C083) — Common ESS Switch — IGFET Store Frame and SSAS Announcement Store			
Addendum	1				
801-820-161	2	(J1C030) — Peripheral System Interface Frame — Stored Program Control No. 1B			
<b>3A Central Control</b>					
801-822-150	1	(J1C050) — Equipment Design Requirements			
801-822-152	2	(J1C052) — Main Store			
801-822-153	1	(J1C053) — Tape Data Controller — Electronic Switching Systems			
801-822-154	1	(J1C054) — Teletypewriter Controller Unit — 2B and 3 ESS Switches			
801-822-155	1	(J1C055) — System Status Panel Controller			
801-822-156	1	(J1C056) — System Status Panel Relay Unit			
801-822-157	2	(J1C057) — Processor Frame Power Unit			
801-822-158	1	(J1C058) — Processor Frame			
801-822-160	1	(J1C060) — Maintenance Frame — Common ESS			

**Division 802****Equipment Design and General Requirements and Engineering Information — Power Systems**

	<b>Number</b>	<b>Issue</b>	<b>Subject</b>
	802-001-180	10	Protective Grounding Systems — General Grounding Requirements for Communication Systems in Central Offices, Radio Stations and Other Structures
	802-001-181	1	Performance Requirements — For AMA No. 1 Accounting Center — Power Plant
802-0 Indexes, General Information, and Miscellaneous Equipments	802-001-182	2	Performance Requirements — TH Radio Tube Cooling System
802-1 Regulators, Battery and Charging Equipments, Control and Fuse Boards, and Power Distributing Equipment	802-001-190	1	Protective Grounding Systems — Equipment Ground Systems Material — General Equipment Requirements — Power Systems
802-2 Inverter and Converter Equipments	802-001-191	1	Protective Grounding Systems — Office Ground Electrodes — Power Systems
802-3 Power Supplies	802-001-192	1	Protective Grounding Systems — Equipment Ground System, Central Offices (CO GRD)
802-4 Rectifiers (See also Power Supplies)	802-001-193	2	Protective Grounding Systems — Equipment Ground System, Central Offices — General Interface Requirements for DC Power and Communication Systems
802-5 Submarine Cable Systems	802-001-194	1	Protective Grounding Systems — Equipment Ground System, Central Offices — General Interface Requirements for Manual Toll Relay Rack Ground System
802-6 Power Plants — Miscellaneous and 100-Type	802-001-195	2	Protective Grounding System — Equipment Ground System, Central Offices — General Interface Requirements for Electronic Switching Systems
802-7 Power Plants — 200-, 300-, and 400-Types	802-001-196	1	Protective Grounding Systems — General Grounding Requirement for Data- Processing Computer — System Installation
802-8 Power Plants — 500-, 600-, and 700-Types	802-001-197	1	Protective Grounding Systems — General Equipment Ground Requirements for Microwave Radio Main and Auxiliary Stations
802-9 Power Plants — 800- and 900-Types	802-001-198	1	Protective Grounding Systems — General Equipment Ground Requirements for AC Service Distribution Systems in Building Housing Communication Systems — Power Systems
	802-002-150	6	(J86421) - J2 and "K" Carrier — Main Repeater and Terminal Stations — Power Requirements
	<b>Number</b>	<b>Issue</b>	<b>Subject</b>
802-0 Indexes, General Information, and Miscellaneous Equipments			
<b>Indexes</b>			
802-000-000	80		Numerical Index — Division 802 — Equipment Design and General Equipment Requirements and Engineering Information — Power Systems (5-95)
<b>General</b>			
802-001-001	58		Checking List — Power Data (PD) Sheets
802-001-150	8		(J86600) - List of Reserve Power Plant Engine-Alternator Sets
802-001-151	4		(J86500) - List of Power Plants and Miscellaneous Power Equipments
802-001-152	5		(J86200) - List of Rectifiers, Voltage Regulators, Vibrator-Inverters, Power Units, and Power Supplies

Number	Issue	Subject	Number	Issue	Subject
802-003-150	1	(J86719) - Modification of Ringing Power Plants — To Avoid Interference With 1000-Cycle Signaling Systems	802-015-150	3	(J85505) - Central Office Lighting — Fluorescent Type
802-003-151	7	(J86720) - Modification of Power Plants — For Automatic Control and Regulation of Motor-Generator Sets and Regulated Rectifiers	802-015-151	5	(J85506) - Bus Duct — KS-20085 Trolley Type
802-003-152	3	(J86741) - Modification of Power Plants and Rectifiers Using KS-20522 Controller for Ammeter Type Relays	802-015-152	3	(J85507) - Frame and Aisle Lighting Equipment — KS-15673 Fluorescent Type Track Integrated Fixture
802-004-151	2	(J86735) - Power Service Equipment and Calculations	802-015-153	2	(J85508) - Power and Engine Room Lighting Equipment — Fluorescent Type
802-004-152	1	(J86734) - Ringing Generator Calculations	802-015-154	1	(J85509) - Air Navigation Obstruction Lighting — Control and Alarm Cabinets
802-005-150	2	(J86432) - Bus Bar and Cabling Arrangements — 111A, 302A, 303A, 702C, and 708A Power Plants	802-015-157	8	(J95501) - Frame and Aisle Lighting — Incandescent Type — Appliance Outlets and Miscellaneous Conduits
802-005-180	13	Assembly and Installation of Power Plant Bus Bar and Wiring	802-015-158	5	(J95502) - Emergency Lighting Equipment — Battery Type for Central Offices (1938)
802-005-181	1	Assembly and Installation of Cable Rack, Conduit, and Auxiliary Framing	802-015-159	4	(J95503) - Central Office Lighting — Fluorescent Type for Distributing and Protector Frames
Addendum	1		802-015-160	2	(J85515) - Central Office Lighting — Fluorescent Type
802-006-150	1	(J86836) - Exhaust Line Size Requirements — For 20- to 500-KW — Stationary Diesel Engine-Alternator Plants	Addendum	1	
802-006-180	6	Installation of Internal Combustion Engines and Associated Piping	802-025-150	2	(J87299) - Control Equipment — Printed Wiring Board Assemblies
802-007-150	5	(J86413) - Mounting and Spacing Information — Miscellaneous Power Plant Equipment	802-025-151	1	(J87390) - Regulation and Control Units for Thyristor DC-to-DC Converters
802-007-180	7	Painting of Battery Rooms and Equipment	Addendum	1	
			802-026-150	2	(J86482) - AC Service Equipment — For TH Radio System — 120/208 and 230 Volts
			802-027-150	3	(J86486) - Tube Cooling System — For TH Radio System
			802-028-150	3	(J86845) - Signaling Circuit — Busy Tone Supply — J86845A — 4-Wire Voice/Record Network — J86845B — Basic 911 Emergency Service
			802-028-151	1	(J87353) - Precise Busy Tone Supply for Small Step-by-Step Offices
			802-028-152	1	(J87395) - Interrupter Unit — 30, 60, and 120 IPM
			802-029-150	12	(J86212) - Small Ringing and Signaling Equipments
<b>Miscellaneous Equipments</b>					
■ 802-010-100	3	NSD Power System Standards In-bay Power Architecture for Telecommunication Equipment (12-93)			
802-010-150	3	(J86728) - Ventilating Equipment — For Rooms Having Engine-Driven Generators			
802-011-150	1	(J85512) - Modular Cooling System Planning and Engineering Guidelines			

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		802-035-150	1	(J87339) - Rectifier Sequence Control Unit — For 100, 300, 400, and 700 Type Power Plants
802-029-151	5	(J86726) - Small Signaling Equipments	802-035-151	1	DC-to-DC Converter Plant — Control Panel — Equipment Design Requirements — Power Systems
802-029-152	10	(J86727) - Small Ringing Equipment	802-036-150	1	(J85517) - Triport — 208 VAC/48 VDC Input — 208 VAC 5.6 KVA 60 Hz Single Phase Output
Addendum	2		802-036-151	2	(J85518) - Triport Power Supply — 208- VAC/48-VDC Inputs — 208V and 120V Single-Phase 60-Hz 11.2- or 5.6-KVA Output
802-029-153	1	(J86643) - Ringing Equipment — HV Ringing & -72V Distribution for No. 5 Crossbar Long Loop Range Extenders	802-036-155	1	(J85526) — AC Triport II UPS — 208- VAC/48-VDC Input — 208-VAC 5.6- KVA 60-Hz Single-Phase Output
802-029-154	1	(J86889) - Ringing and Tone Supply — Battery and Battery-less Operation — For 810A PBX	802-036-156	1	(J85527) — Triport II UPS — 208-VAC/48- VDC Input — 120-VAC 5.6-KVA 60-Hz Single-Phase Output
Addendum	1		802-036-157	1	(J87462) — Reserve Energy System
802-029-155	1	(J85528) - 891A 0.5 Ampere — Auxiliary Ringing, Tone and Cadence System for Central Office — Nonswitched Load Applications			
802-029-160	2	(J86294) - Ringing Demand Meter Equipment — For Use on 1/4-, 1/2-, 1-, 2-, 4-, and 6-Ampere 20-Hz Ringing Plants	<b>802-1 Regulators, Battery and Charging Equipments, Control and Fuse Boards, and Power Distributing Equipment</b>		
802-030-150	1	(J86733) - Filter Units — VHF Interference Suppression	<b>Regulators</b>		
802-032-150	2	(J86276) - Cable Current Meter — Calibrating Unit	802-101-156	1	(J86246) - Voltage Regulator — Electronic Type — For 20-Cycle Motor Generator Sets
802-033-150	12	(J86725) - AC Low-Voltage and Automatic Engine Alarm Equipments	802-102-150	2	(J86253) - Regulator — Electronic Speed and Contact Type Voltage
802-033-151	4	(J87253) - Power Supply Transfer and Alarm Unit — Semiconductor Type — -24 Volt Input	802-102-156	3	(J86268) - Voltage Regulator — Magnetic Type — 115/230-Volt AC Line Regulation
Addendum	1		Addendum	1	
802-034-150	3	(J86634) - Automatic Solid State Control Unit For Reserve Diesel-Engine Alternator Plants	802-103-150	7	(J87214) - Voltage and Current Regulator — Semiconductor Type — For Single and 3-Phase PNP Rectifiers
802-034-151	3	(J86742) - AC Reserve Energy System — Controller for Automatic Paralleling and Load Management	802-103-151	2	(J87277) - Voltage and Current Regulator — Semiconductor Type — For 3-Phase PNP Rectifiers
802-034-152	3	(J86743) - AC Reserve Energy System — Universal Engine Control	802-104-150	3	(J86459) - Voltage Regulator and Alarm Equipment — For A2A and A2B Video Systems — 115 Volts, 480 Volt Amperes
802-034-154	4	(J85520) - Microcomputer Controller for Standby Engine-Alternator Sets			
802-034-155	2	(J85529) - Microcomputer Controller for Analog Circuit Processing			

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		802-127-153	1	(J87126) — Battery Stand Equipment for 130-Volt Power Plants Using KS-20472 Batteries and KS-20760 Battery Stand Parts
802-105-150	1	(J87279) - Regulator — Semiconductor Type — -19 Volts, 4.0 Amperes	802-127-154	1	(J87127) — Battery Stand Equipment for 24-Volt Power Plants in Hardened 2 and 10 PSI and Earthquake Areas — 2-Tier 2-Row Battery Stand Using KS-20472 Batteries and KS-20760 Battery Stand Parts
802-106-150	3	(J87324) - Voltage Regulator — Semiconductor Type — +18 Volts 1.2 Amperes and -18 Volts 1.2 Amperes Output +24 Volts and -24 Volts Input	802-127-155	1	(J87128) — Battery Stand Equipment for -48 Volt Power Plants in Hardened 2 and 10 PSI and Earthquake Areas Using KS-20472 Batteries and KS-20760 Battery Stand Parts
<b>Battery Equipments</b>			802-127-157	1	(J87130) - For 140-Volt Power Plants — Located in Earthquake and 10 PSI Environments — Using KS-20472 Cells and KS-20760 Stand Parts
Addendum	2		802-127-158	1	(J87131) - Battery Stand Equipment for KS-20472 Batteries and KS-20760 Stand Parts in a 50 PSI Nuclear Blast Environment
802-125-150	4	(J87120) - For 702C and 708A Power Plants	<b>Charging Equipments</b>		
Addendum	1		802-151-156	9	(J87260) - For 111A, 303A, 326A, and 326B Power Plants — 24 Volts, 100 to 800 Amperes
802-125-151	6	(J87122) - Battery Stand Equipments — For 24- and 48-Volt Power Plants	Addendum	1	
802-125-152	10	(J87109) - Battery Framework and Stand Equipments for Small Power Plants — 24 and 48 Volts, 10 to 120 Amperes	802-151-160	5	(J87249) - Regulated — 24 to 30 Volts, 4 Amperes DC
Addendum	1		802-152-151	10	(J87246) - Charging Equipment for 301C, 302A, and 302B Power Plants — Negative 24 and 48 Volts, 100 to 1600 Amperes
802-126-150	4	(J87110) - Battery Stand Equipments for 301C Power Plants — 24 and 48 Volts, 4000 Amperes	802-153-150	9	(J87261) - For 111A, 303A, 326A, and 326B Power Plants — 48 Volts, 100 to 800 Amperes
Addendum	2		802-156-150	7	(J86284) - For 702C Power Plants — 130 Volts, 100 to 200 Amperes
802-126-151	4	(J87115) - Battery Stand Equipments for 302A and 302B Power Plant	<b>Control and Fuse Boards and Power Distributing Equipment</b>		
Addendum	2		Addendum	1	
802-126-152	3	(J87121) - Battery Stand Equipments for 48-Volt 303A Power Plants	802-175-150	10	(J86323) - Main Control Board — For 302A and 302B Power Plants — 24 and 48 Volts, 100 to 10,000 Amperes
Addendum	2				
802-126-153	5	(J87117) - Battery Stand Equipments — For 410-, 411-, 412-, 413-, and 414-Type Power Plants — 1 to 120 Amperes			
802-127-001	1	(J85504) - For 24- or 48-Volt Power Plants			
802-127-150	2	(J87123) - For 24-Volt Power Plants — Using KS-20472 Cells and KS-20760 Stand Parts			
802-127-151	1	(J87124) - For 48-Volt Power Plants — Using KS-20472 Cells and KS-20760 Stand Parts			
802-127-152	1	(J87125) - Battery Stand Equipment for 140-Volt Power Plants Using KS-20472 Cells and KS-20760 Stand Parts			



Number	Issue	Subject	Number	Issue	Subject
802-175-154	2	(J85516) - Control Unit for Charge- Discharge Circuits — 24 Volt or 48 Volt Power Plants	802-202-151	2	(J87295) - Inverter — 20 Hz DC-AC — 86 Volts, 0.25 Ampere
802-175-156	1	(J85540) - Control and Distribution Unit for the 130 and 131 Type — Power Plants	802-204-150	2	(J87274) - Inverter — Semiconductor Type — Regulated — 1300 VA, 60 Hertz — 230 Volts, 5.65 Amperes AC
802-175-157	1	(J85501) - For 24- or 48-Volt Power Plants	802-204-151	1	(J85539) - 48-Volt DC Input — 120 Volt, 60 Hz, 300 to 1500 VA Output
Addendum	1		802-205-150	1	(J87322) - Inverter — 20 Hz DC-AC — 86 Volts, 1.5 Amperes
802-185-150	8	(J86322) - Battery Control Boards — For 302A and 302B Power Plants — 24 and 48 Volts, 2000 to 10,000 Amperes	802-205-151	1	(J87326) - Inverter — 20 Hz DC-AC — 86 Volts, 0.5 Ampere
Addendum	3		802-205-152	1	(J87337) - Inverter — 20 Hz, 86 Volts -0.25 Ampere Output — -48 Volts DC Input — For 810A PBX
802-185-151	3	(J86325) - Battery Control Boards — For 702C Power Plants — ±125 to ±135 Volts, 50 to 1000 Amperes	802-205-155	1	(J87415) — Inverter — 20 Hz DC-AC — 86 Volts, 0.5 Amperes
802-185-153	6	(J86327) - Battery Control and Discharge Fuse Bays — for 303A Power Plant — 24 and 48 Volts, 0 to 2000 Amperes	Addendum	2	
802-185-185	1	Performance Requirements — For J86327 (303A) Power Plant Equipment	802-206-150	4	(J87428) - 59.5 Hz, 1.5 kW, 120 Volts — Single Phase
802-195-150	4	(J86324) - Battery Distributing Fuse Boards	Addendum	2	
802-195-151	2	(J86328) - Battery Distributing Boards	802-206-151	2	(J87429) — 59.5 Hz, 5 kW, 120 Volts — Single Phase
802-195-152	5	(J86329) - Battery-Distributing Circuit Breaker Board	<b>Converter Equipment (See also Power Supplies)</b>		
802-195-153	2	(J86330) - Battery-Distributing — Fuse Board	802-213-150	2	(J87407) - DC-to-DC Converter — Semiconductor Type— Regulated +3 Volt or -3 Volt and 4 Ampere Output — +140 and Two +24 Volt Inputs — No. 4 Toll Electronic Switching System
802-195-154	2	(J86331) - Battery or Power Distributing Fuse Boards	802-213-151	2	(J87399) - DC-to-DC Converter — Semiconductor Type — Regulated +3 Volt or -3 Volt and 8 Ampere Output — +140 and +24 Volt Inputs — No. 4 Toll Electronic Switching System
Addendum	1		802-213-152	2	(J87409) - DC-to-DC Converter — Semiconductor Type — Regulated +3 Volt and 8 Ampere Output — -48 and Two +24 Volt Inputs — Common Channel Interoffice Signaling for No. 4A Toll Crossbar System
802-195-155	3	(J86334) - DC Power Distributing Frame			
802-195-156	1	(J85521) - Power Distributing Frame — No. 1, 1A, 2, 2B ESS™, AIC No. 1A IN AIS, No. 4A CCIS/STP and TSPS No. 1			

## 802-2 Inverter and Converter Equipments

### Inverter Equipment

802-202-150	5	(J87266) - Inverter — 20 Hz DC-AC — 86 Volts, 6 Amperes
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Number	Issue	Subject	Number	Issue	Subject
802-213-153	3	(J87389) - DC-to-DC Converters — Semiconductor Type- Regulated — Numbers 1A, 2B, 3, 4ESS™, TSPS and No. 5 ETS — -48 Volt and +24 Volt Inputs — +3V or -3V, 4A DC Output; +3.030V, 5A DC Output; +6V, 3A DC Output; +5V, 4A DC Output; +8.35V or -8.35V, 1.5A DC Output; +3.030V, 8A DC Output, -1V to -13V, 2A DC Output — +24 Volt Input — +3V or -3V, 2A DC Output; +5V, 2.5A DC Output	802-215-157	1	(J87372) - DC-to-DC, Semiconductor Type, Regulated — +6 Volt, 5-Ampere DC Output — +12 Volt, 0.75-Ampere DC Output — -24 Volt DC Input
802-214-150	4	(J87380) - DC-to-DC Converter — Multiple Outputs — -48 Volt Input	802-215-158	2	(J87379) - DC to DC — Semiconductor Type — Regulated — -6.2 Volt 8- Ampere DC Output — +5.2 Volt 1.2- Ampere DC Output — -24 Volt DC Input
802-214-157	3	(J87421) - DC-to-DC Converter — -48 Volt and Two +24 Volt Inputs — +5.000 Volt, 6 Ampere Output or +5.000 Volt, 7 Ampere Output — TSPS, No. 2B ESS, No. 3 ESS, and No. 5 ETS	802-216-160	2	(J87368) - DC-to-DC Regulated — +9.25- Volt, 10-Ampere Output — 140-Volt Input
802-215-150	1	(J87285) - DC to DC — 6 Volt, 11 Ampere DC Output — -48 Volt DC Input	802-217-154	1	(J87344) - DC to DC — +6.6 Volts, 60 Amperes Output — -48 Volts, 10.5 Amperes Input — For 810A PBX Battery Reserve Power Plant
Addendum	1		802-217-155	1	(J87345) - DC to DC — +11 Volts, 4 to 16 Amperes Output — +24 Volts, 2.4 Amperes Input — For 810A PBX — Battery Reserve Power Plant
802-215-151	3	(J87248) - For 101-Type ESS Control Unit — DC to DC — Regulated — 6 Volts 20 Amperes DC Output — 12 Volts 40 Amperes DC Output — 24 Volts 25 Amperes DC Output — -48 Volt DC Input	802-218-150	3	(J87204) - DC to DC — Regulated — +12 Volt, 1.5 and 2.0 Ampere DC Output — -48 Volt DC Input
Addendum	2		802-218-151	1	(J87268) - DC to DC — Regulated — +12 Volt, 0.75 Ampere DC Output — -24 Volt or -48 Volt DC Input
802-215-152	2	(J87293) - DC-to-DC Semiconductor Type — Regulated — 6.6 Volt, 84 or 126 Ampere DC Output — 24 Volt DC Input	Addendum	1	
Addendum	1		802-218-152	1	(J87263) - DC-to-DC Semiconductor Type — Regulated — +12 Volt, 0.7 Ampere Output — -48 Volt Input
802-215-153	1	(J87298) - For Use in No. 2 ESS Power Plant — DC to DC — Regulated — 6.7 Volt, 200 Ampere DC Output — 48 Volt DC Input	802-218-153	1	(J87284) - DC to DC — 12 Volt, 11 Ampere DC Output — -48 Volt DC Input
802-215-154	1	(J87340) - DC-DC — Semiconductor Type — Regulated — +6.6 Volt, 30 Ampere DC Output — +24 Volt, DC Input	802-218-154	2	(J87308) - DC to DC — Regulated — ±24 Volt, 3 Ampere DC Output — -48 Volt DC Input
Addendum	1		802-218-155	1	(J87388) DC to DC — Semiconductor Type — Regulated — +12 Volt 0.7-Ampere Output -24 Volt DC Input
802-215-155	1	(J87311) - Regulated — +6.2 Volt, 50 Ampere Output — +24 Volt Input	802-218-156	1	(J87377) - DC-to-DC, Regulated — +12.1 Volt, 2-Ampere DC Output — -12.1 Volt, 2-Ampere DC Output — -5.5 Volt, 9-Ampere DC Output — -48 Volt DC Input

Number	Issue	Subject	Number	Issue	Subject
Addendum	2		802-223-159	1	(J87456) - Converter DC-to-DC Regulated — $\pm 24$ Volt 50-Ampere Output — +140 Volt Input
802-218-158	1	(J87378) - DC-to-DC — Regulated — -24 Volt Input — +12.1 Volt, -12.1 Volt, and -5.5 Volt Output	802-223-160	1	(J87461) - DC-to-DC Regulated Converter — +24 Volt 30 Ampere Output — -48 Volt Input — Equipment Design Requirements — Power Systems
Addendum	1		802-224-160	2	(J87288) - DC to DC — Regulated — -25 Volt, 2.5 Ampere DC Output — -20 to -26 Volt DC Input
802-218-159	1	(J87411) - Power Supply Circuit — Semiconductor Type — Regulated — Numbers 1A and 4ESS — -48 Volt and +24 Volt Inputs — +12V, 10.5A Output; +6V, 9.3A Output, +3.06V, 17A Output — -3V, 12A Output; -12V, 10.5A Output	802-224-161	2	(J87297) - DC to DC — Regulated — 25 Volt, 10 Ampere DC Output
802-219-160	2	(J87422) - DC-to-DC Converters — Semiconductor Type — Regulated — No. 2B and No. 3 ESS, TSPS, and No. 5 ETS — -48 Volt, Two +24 Volt, and +5 Volt Inputs — +12V 2.0A and — 5V 0.05A Outputs	802-226-151	1	(J87391) - DC to DC — Semiconductor Type — Regulated — +48 Volts 2 Ampere Output — -48 Volts Input
802-220-150	1	(J87287) - DC-to-DC Semiconductor Type — Regulated — $\pm 18$ Volt, 1.4 and 0.25 Ampere DC Output — +24 and -48 Volt DC Input	802-226-152	1	(J87306) - DC to DC — Converter — +48 Volt 48 V DC, 4.0 Ampere Output — 24V DC Input
802-223-150	3	(J87304) - For Voice Frequency Transmission Systems — DC-to-DC Semiconductor Type — Regulated — 24-Volt, 5-Ampere DC Output — 48-Volt DC Input	802-226-153	2	(J87400) - DC to DC Regulated — 48-Volt, 50-Ampere Output — 140-Volt Input
Addendum	2		Addendum	1	
802-223-151	2	(J87294) - DC-to-DC Semiconductor Type- Regulated — -24 Volt, 13 Ampere DC Output — +24 Volt DC Input	802-226-155	1	(J87408) Converter DC-to-DC Regulated $\pm 48$ Volt 100-Ampere Output — $\pm 140$ Volt Input
802-223-152	1	(J87283) - DC to DC — 24 Volt, 9 Ampere DC Output — -48 Volt DC Input	802-226-156	1	(J87457) Converter DC-to-DC Regulated $\pm 48$ Volt 50-Ampere Output — +140- Volt Input
802-223-153	3	(J87338) - +24V DC, 16.0 Amperes Output — 24 Volts DC Input	Addendum	1	
Addendum	1		802-227-150	1	(J87307) - DC-to-DC Semiconductor Type — Regulated — -72 Volt, 9 Ampere Output, -48 Volt DC Input
① 802-223-154	2	(J87310) - Converter — Regulated — (+ or -) 18 or 24 Volt, 16 Ampere Output — +24 Volt Input	802-230-152	1	(J87305) - DC to DC Converter — $\pm 130$ V DC, 3.33 Amperes Output — 24 Volts DC Input
Addendum	1		802-230-154	1	(J86879) - 670A Converter Power Plant — +130V or -130 V DC, 10.0 Amperes Output — -24V DC Input
802-223-156	1	(J87371) - DC-to-DC Regulated — 24-Volt, 100 Ampere Output — 140-Volt Input	802-234-150	3	(J87271) - DC-to-DC Semiconductor Type — 250 Volt, 5 Ampere DC Output — 130 Volt DC Input
802-223-157	2	(J87361) - DC-to-DC Regulated + or -24 Volt, 40-Ampere DC Output — + or -48 Volt DC Input	802-234-151	1	(J87290) - DC-to-DC Semiconductor Type — 250 Volt, 0.015 Ampere DC Output — 3 to 10.5 Volt DC Input

Number	Issue	Subject	Number	Issue	Subject
802-240-150	6	(J87303) - 0- to 1800-Volt, 520-Milliampere DC Output — 24-Volt DC Input	Addendum	1	
802-242-150	1	(J87331) - DC-to-DC Converter — -48 Volt Input — +48, -42, +24, -48 Volt Outputs	802-301-165	3	(J87276) - Rectifier — Semiconductor Type — Ferroresonant Regulation — +24 Volts, 6 and 12 Amperes DC — +6.6 Volts, 38 Amperes DC — -24 Volts, 2 Amperes DC
Addendum	1		802-301-166	2	(J87292) - Semiconductor Type — Ferroresonant Regulation — +24 Volts, 20 and 24 Amperes DC — +6.6 Volts, 84 Amperes DC — -24 Volts, 11 Amperes DC
802-243-150	1	(J87332) - For PBX-AIOD-A2 — 6 Volts, 10 Amperes DC — 12 Volts, 6 Amperes DC — 24 Volts, 0.5 Ampere DC	Addendum	1	
802-244-150	4	(J87334) - DC-to-DC — 25-Volt, 3.5 Ampere DC Output — 20-26 Volt DC Input	802-302-150	1	(J87213) - Semiconductor Type — Manual Regulation — 11 Volts, 6 Amperes DC — 135 Volts, 0.375 Ampere DC
Addendum	1		Addendum	1	
802-290-150	1	(J87356) - Converter, DC-DC — Semiconductor Type, Regulated for TH3 Radio Systems	802-302-156	1	(J87203) - Semiconductor Type — Manual Regulation — -11 Volts, 2 Amperes DC — 135 Volts, 0.125 Ampere DC
<b>802-3 Power Supplies</b>			Addendum	1	
<b>General</b>			802-302-160	2	(J87220) - Power Supply — Semiconductor Type — Ferroresonant Regulation — 16.8 Volts 75 Amperes DC
802-300-151	4	(J86858) - For L4 and L4S Coaxial System	802-304-151	3	(J87252) - Semiconductor Type — Regulated — -20 Volts, 2.5 Amperes
802-300-152	2	(J87321) - 1 and 10 Milliampere — Constant Current — 117 Volts AC Input for L4 Coaxial System	Addendum	1	
Addendum	1		802-304-152	1	(J87300) - Remote Test Voltage Supply Unit — +20 to +200 Volts, 0.001 to 0.07 Ampere — -116 Volts, 0.015 Ampere
802-300-154	1	(J87397) - Remote Repeater Power Feed Terminal for Subscriber Loop Multiplexer System	802-304-153	9	(J86498) - For T-1 Carrier and No. 1 Traffic Service Position Systems — ±24, -48, +48 Volts DC
802-301-150	1	(J86847) - Precise Tone, Interrupter, Transfer, and Alarm for Use With 4 Wire No. 5 Crossbar AUTOVON — 0.18 to 1.47 Volts, 1 Volt-Ampere, 350, 440, 480, and 620 Hz Tones	802-304-155	1	(J86489) - Semiconductor Type — Unregulated — ±15 Volts, 0.5 Ampere DC — 20 and 48 Volts, 1 and 0.2 Ampere AC
802-301-155	1	(J86223) - Filament Supply — Regulated — 6.3 Volts, 0.6 and 1 Ampere DC — 6.3 Volts, 1.5 Amperes AC	802-304-156	3	(J87412) - For T4M Digital Line — 0 to + and -960 Volt, 835 Milliampere DC Output — +140 Volt DC Input
802-301-156	4	(J86857) - Nonreserve or Reserve Plants — +6.6, ±24, -48, and ±86 Volts, 0 to 120 Amperes	802-305-150	4	(J87216) - Semiconductor Type — Automatic Regulation — -21 Volts, 2.0 Amperes
Addendum	1				
802-301-160	2	(J87296) - Semiconductor Type — Ferroresonant Regulation — +300 Volts, 0.13 Ampere DC — -150 Volts, 0.01 Ampere DC — -40 Volts, 0.01 Ampere DC — -24 Volts, 0.95 Ampere DC — ±6.4 Volts, 3.9 Amperes AC			

Number	Issue	Subject	Number	Issue	Subject
802-305-151	5	(J87245) - DC-to-DC Semiconductor Type — Automatic Regulation — -21 Volts, 4 Amperes DC — -24 Volts, 3.5 Amperes DC	<b>Radio Systems</b>		
Addendum	1		Addendum	2	
802-305-152	1	(J87320) - Semiconductor Type — Regulated Rectifier — +24 Volts, 0.75 Amperes — -24 Volts, 1.25 Amperes	802-340-150	2	(J86835) - For TD3 Radio System Traveling Wave Tube — -7.5 Volts, 0.95 Ampere DC — 60 to 500 Volts, 0.001 Ampere DC — 1420 Volts, 0.04 Ampere DC — 2500 to 2900 Volts, 0.01 Ampere DC
Addendum	2		802-340-151	1	(J86890) - Converter — For TD3 Radio System Traveling Wave Tube — -7.5 Volts, 0.95 Ampere DC — 60 to 500 Volts, 0.001 Ampere DC — 1420 Volts, 0.04 Ampere DC — 2500 to 2900 Volts, 0.01 Ampere DC
802-309-150	3	(J86496) - ±24 Volts, 0 to 30 Amperes DC	802-340-152	1	(J87325) - Converter Regulator — +130V Input, +475V, 100 mA Output — TD2 Radio
802-309-152	1	Performance Requirements — For J86496 Power Supply — ±24 Volts, 0 to 30 Amperes	Addendum	2	
802-309-153	3	(J87255) - Semiconductor Type — Ferroresonant Regulation — -24 Volts, 16 Amperes DC	802-341-154	2	(J86853) - DC Power Supply — For TM Radio Traveling Wave Tubes
802-309-154	4	(J87254) - Semiconductor Type — Ferroresonant Regulation — -24 Volts, 48 Amperes DC	Addendum	1	
802-309-156	1	(J87281) - Semiconductor Type — Ferroresonant Regulation — -40.5 Volts 50 Milliamperes DC Output	802-341-155	2	(J86886) - For 464A Traveling Wave Tubes — TH3 Radio Systems
Addendum	1		802-341-160	1	(J87259) - For TJ Microwave System — AC Power Equipment
802-315-150	2	(J86878) - For 761B PBX System — Ringing, Tones, and Interruptions — ±48 Volts, 0.3 and 4.4 Amperes DC — 10 Volts, 1.3 Amperes AC — -130 Volts, 0.05 Ampere DC	802-341-161	6	(J86473) - For TJ Radio Systems — 6.5 to 650 Volts, 0.005 to 2.0 Amperes DC — 5.3 to 117 Volts, 0.25 to 8.2 Amperes AC
802-315-152	1	(J87358) - Semiconductor Type — Ferroresonant Regulation -24 Volts 0.6 Amp DC Talk, -24 Volts 10 Amp DC Signal, ±10 Volts 0.3 Amp AC for 805A PBXs	802-343-150	2	(J86499) - For TL Radio System — -20 to -600 Volts, 0.01 to 1.88 Amperes DC — 43 Volts, 0.01 Ampere AC
802-315-153	1	(J87416) - Converter for PBX-A10D-A2 -48 VDC Input — 6 VDC 10A, 12 VDC 6A, 24 VDC 1A Outputs	802-343-151	4	(J87256) - For TL-2 and TM-1 Radio Systems — Semiconductor Type — Regulated— +6.4 Volts, 0.8 Ampere DC — -20 to -600 Volts, 0.01 to 1.1 Ampere DC — 43 Volts, 0.01 Ampere AC
802-321-150	2	(J87327) - For D2 Channel Bank — +5V — 12.2 Amp — -5V — 3.2 Amp — -12V — 3.3 Amp — +24V — 4.4 Amp — -24V — 2.0 Amp — +32V — 0.11 Amp — -32V — 0.07 Amp	Addendum	1	
			802-343-160	1	(J86843) - For TM Radio System Traveling Wave Tube — 6.5 Volts, 0.95 Ampere DC 700 Volts, 0.001 Ampere DC — 1200 Volts, 0.035 Ampere DC — 2300 Volts, 0.01 Ampere DC
			802-350-150	1	(J87431) - Power Supply for Traveling Wave Tubes — AR6A Radio System

Number	Issue	Subject
802-350-151	1	(J87449) - Regulator and Converter — Multiple Outputs — -24 Volt Input

**802-4 Rectifiers (See also Power Supplies)**

**Tube Type**

Addendum	1	
802-404-151	9	(J86227) - Regulated — 300 Volts, 0.22 Ampere DC

**Tube and Semiconductor Type**

Addendum	1	
802-408-150	6	(J86240) - Automatic Regulation — 130 Volts, 8 and 9 Amperes DC
Addendum	1	
802-409-150	15	(J86207) - Tube and Semiconductor Types — Regulated — 17 to 18 Volts, 0.1 to 30 Amperes DC

**Semiconductor Type — Unregulated**

802-411-150	3	(J87201) - 2.5 Volts, 200 Amperes DC — 5 Volts, 200 Amperes DC
Addendum	1	
802-411-160	8	(J86248) - For Key Telephone Systems — 20 Volts DC and 10 Volts and 18 Volts AC
802-414-150	12	(J86205) - Unregulated and Manually Regulated — 3.5 to 24 Volts, 0.1 to 6 Amperes
802-414-151	2	(J87323) - +24 Volt 1.3 Ampere, -24 Volt 1.3 Ampere Output — 117 Volts AC, 60 Hz Input
802-414-152	2	(J87341) - +24 Volt 1.2 Ampere, -24 Volt 1.2 Ampere Output — 117 Volts AC, 60 Hz Input

**Semiconductor Type — Manual Regulation**

802-419-150	3	(J86257) - 12 Volts, 22 Amperes
802-420-150	5	(J86256) - 120 and 130 Volts, 0.45 and 0.8 Ampere
Addendum	1	
802-421-150	2	(J86278) - 135 Volts, 0.125 and 0.375 Ampere

Number	Issue	Subject
Addendum	1	
802-421-156	7	(J86254) - 190 and 200 Volts, 0.7 Ampere
Addendum	1	
802-422-150	5	(J86255) - 315 Volts, 0.4 Ampere

**Semiconductor Type — Automatic Regulation**

802-425-150	1	(J86298) - 4 Volts, 3 Amperes
802-425-156	2	(J87275) - 9 Volts, 100 Amperes
Addendum	3	
802-425-161	5	(J86244) - 12 Volts, 200 Amperes
802-425-162	1	(J87357) - Rectifier — Input: 117 Volts RMS, 60 Hertz — Outputs: Regulated +33 Milliampere — Regulated +30, +45, +60, +75 or +105 Volts — Regulated -14 Volts
802-425-166	2	(J87247) - 17 to 26 Volts, 1.5 to 2.0 Amperes
802-426-150	2	(J87207) - 24 Volts, 1.5 Amperes
Addendum	1	
802-426-151	3	(J87232) - 24 Volts, 30 Amperes
Addendum	1	
802-426-152	8	(J87222) - 24 Volts, 100 Amperes
Addendum	3	
802-426-153	4	(J87211) - 24 and 48 Volts, 11 Amperes
Addendum	1	
802-426-156	1	(J87328) - Automatic Ferroresonant Regulation — 24 Volts, 15 Amperes
Addendum	1	
802-426-157	1	(J87329) - Automatic Ferroresonant Regulation — 48 Volts, 15 Amperes
Addendum	1	
802-426-160	1	(J87417) - ±24 Volts DC, 100 Amperes — Automatic Regulation — KS-20491
Addendum	3	
802-428-150	2	(J87233) - 48 Volts, 30 Amperes
Addendum	1	
802-428-151	9	(J87223) - 48 Volts, 100 Amperes
Addendum	1	
802-428-156	1	(J87418) - -48 Volts DC, 100 Amperes — Automatic Regulation — KS-20493

Number	Issue	Subject	Number	Issue	Subject
802-432-150	7	(J87228) - 130 Volts, 10 Amperes	802-443-153	1	(J87258) - $\pm 18$ Volts, 0.65 Ampere DC
802-432-151	7	(J87229) - 130 Volts, 30 Amperes	Addendum	1	
Addendum	1		802-443-160	3	(J87239) - $\pm 20$ Volts, 0.25 Ampere DC
802-432-152	8	(J87224) - 130 Volts, 100 Amperes	Addendum	2	
802-433-150	1	(J87346) - 230 Volts — 60 Hz Input — -19 Volts — .175 Ampere Output TH-1 Radio Systems	802-443-161	2	(J87215) - $\pm 20$ Volts, 0.5 Ampere DC
<b>Semiconductor Type — Ferroresonant Regulation</b>			Addendum	1	
Addendum	1		802-443-162	3	(J87240) - $\pm 20$ Volts, 0.50 Ampere DC
802-440-150	2	(J87221) - -3 Volts 3.5 Amperes DC — +60 Volts 0.15 Ampere DC — +145 Volts 0.045 Ampere DC	802-444-151	3	(J87234) - -24 Volts
Addendum	1		802-444-152	1	(J87282) - -22.5 Volts, 60 to 100 Milliampere DC Output
802-440-155	3	(J87419) - For CSS-201 DIMENSION® PBX — +19.5V 1.1A, +16.0V 0.5A, +12.0V 1.4A, +9.0V 4.0A, +5.1V 1.25A, +5.1V 35.5A, +5.0V 0.5A, -5.1V 2.5A, -9.0V 3.5A, -48.0V and -48.0 FV 7.0A DC Output — 117V, 8A, 60 Hz AC Input and +9.0V 5A, +5.1V 20.5A, +5.0V 0.5A, -5.1V 3.5A, -9.0V 4.5A, -48.0V and -48.0 FV 7.0A DC Output — 117V, 8A, 60 Hz AC Input	802-444-158	2	(J87434) - Rectifier — 24 Volts, 35 Amperes
802-441-150	2	(J87272) - -12 Volts, 0.125 Ampere DC — +12 Volts, 0.6 Ampere DC — +26 Volts, 0.25 Ampere DC — +155 Volts, 0.004 Ampere DC — +200 Volts, 0.04 Ampere DC	802-444-159	2	(J87436) - Rectifier — 24 Volts, 100 Amperes
Addendum	1		802-444-160	3	(J87438) - Rectifier 24 Volts, 200 Amperes
802-441-151	3	(J87212) - +12 Volts, 0.66 Ampere DC — -12 Volts, 0.28 Ampere DC — +12 Volts, 0.135 Ampere DC, -12 Volts, 0.135 Ampere DC	802-444-163	1	(J87447) - Rectifier — 24 Volts, 15 Amperes
802-441-154	1	(J87432) - List of Power Supplies	802-446-150	2	(J87241) - -48 Volts, 0.7 Ampere
Addendum	1		Addendum	1	
802-442-150	1	(J87267) - $\pm 17.5$ Volts, 1.6 and 3.2 Amperes DC	802-446-152	4	(J87205) - 48 Volts, 8 Amperes
Addendum	1		802-446-153	1	(J87342) - 6.6 Volts, 60 Amperes DC — For 810A PBX — Batteryless Power Plant
802-443-151	3	(J87208) - $\pm 18$ Volts, 0.275 Ampere DC	802-446-154	1	(J87343) - 24 Volts, 20 Amperes DC — For 810A PBX — Batteryless Power Plant
802-443-152	1	(J87270) - $\pm 18$ Volts, 0.5 and 1.5 Amperes DC	802-446-155	1	(J87347) - 48 Volts, 15 Amperes DC — For PBX — Batteryless Power Plant
			802-446-161	2	(J87435) - Rectifier 48 Volts, 35 Amperes
			802-446-162	2	(J87437) - Rectifier — 48 Volts, 100 Amperes
			802-446-163	3	(J87439) - Rectifier — 48 Volts, 200 and 180 Amperes
			802-446-166	1	(J87448) - Rectifier — 48 Volts, 15 Amperes
			<b>Metallic Type — Manual Regulation</b>		
			802-460-161	5	(J86220) - 10 Volts, 12 Amperes
			Addendum	1	
			802-460-166	2	(J86277) - 11 Volts, 2 and 6 Amperes

Number	Issue	Subject
802-465-155	3	(J86265) - 130 Volts, 0.2 Ampere
802-465-156	2	(J86258) - 130 Volts, 0.65 Ampere
802-466-150	3	(J86259) - 250 Volts, 0.35 Ampere

**Metallic Type — Automatic Regulation**

Addendum	1	
802-471-150	2	(J86241) - 24 Volts, 1 Ampere
802-473-150	1	(J86281) - 48 Volts, 7.5 Amperes

**802-5 Submarine Cable Systems**

① 802-501-150	2	(J86806) - Ground Supply Bay for SD Submarine Cable System
① 802-501-151	1	(J86860) - Ground Supply Bay for SF Submarine Cable System
① 802-502-150	3	(J86469) - Common Control Bays — 2800 Volts, 0.26 Ampere DC
① 802-502-151	1	(J87291) - Equipment Units for Use With SF Submarine Cable Power and Ground Supplies
① 802-503-150	2	(J87209) - Power Equipment Units for SD Submarine Cable System
① 802-503-151	1	(J87301) - Plug-In Units for SF Submarine Cable Power and Ground Supplies
① 802-510-150	1	(J87218) - Inverter for SD Submarine Cable Systems — Semiconductor Type — Automatic Regulation — 5 Volt- Amperes, 400 Cycles — 4.1 Volts, 0.03 Ampere AC — 16.6 Volts, 0.04 Ampere DC — 55 Volts, 0.09 Ampere AC
① 802-510-151	1	(J87251) - Inverter for Short Haul SD Submarine Cable Systems — Semiconductor Type — Regulated — 300 VA, 1200 Cycles — 100 Volts, 0 to 0.2 Ampere — 660 Volts, 0.45 Ampere
① 802-515-150	1	(J86819) - Power Supply for Terminal SD Submarine Cable Systems — 420 Volts, 0.389 Ampere DC
① 802-515-151	4	(J86275) - Power Supply — Regulated — 1900 to 3200 Volts, 0.26 Ampere

Number	Issue	Subject
① 802-515-152	4	(J86467) - Power Supplies for Terminal and Shipboard Submarine Cable Systems — 2800 Volts, 0.26 Ampere DC
① 802-515-153	4	(J86468) - Power Supply — Regulator Bays — 2900 Volts, 0.26 Ampere DC
① 802-515-154	3	(J86804) - Power Supplies for Terminal and Shipboard SD Submarine Cable Systems — 6500 Volts, 0.225 to 0.43 Ampere DC
① 802-515-155	3	(J86805) - Power Supply Equipment for Terminal and Shipboard SD Submarine Cable Systems — 6500 Volts, 0.37 and 0.43 Ampere DC
① 802-515-181	2	Performance Requirements for J86467 Power Supply
① 802-516-150	1	(J86844) - DC Power Supply — 2500 or 5000 Volts 0.136-Ampere Constant Current for SF Submarine Cable System
802-517-150	2	(J86902) - Constant Current DC Power Supply 2500-, 5000-, or 7500-Volt 0.657- Ampere for Use With SG Submarine Cable System
802-517-151	2	(J87413) - Equipment and Plug-In Units for SG Submarine Cable Power Supply
802-517-152	1	(J86924) - Short Range SF Submarine Cable Power Supply — 0- to 1800-Volt, 136- Milliampere DC Output 48-Volt DC Input
802-525-150	4	(J86460) - Power Supplies for Terminal and Submarine Cable Plants
① 802-525-151	1	(J86852) - Equipment Bays for Use With SF Submarine Cable Power Supplies
802-525-180	1	Performance Requirements — For J86460 Submarine Cable System

**802-6 Power Plants — Miscellaneous and 100-Type**

Miscellaneous		
802-601-151	6	(J86822) - Automatic Regulation — 24 Volts, 48 Amperes



Number	Issue	Subject	Number	Issue	Subject
Addendum	1		802-612-185	1	Performance Requirements — For J86453 Power Plant — 130 Volts DC
802-601-152	9	(J86440) - 24 Volts, 1, 1.5, 6, and 12 Amperes DC	802-616-150	1	(J86848) - For PBX-A10D — 6 Volts, 11 Amperes DC — 12 Volts, 11 Amperes DC — 10 Volts, 13.6 Amperes AC
802-601-180	3	Performance Requirements — For J86440A Power Plant — 24 Volts, 6 and 12 Amperes	802-620-150	6	(J86635) - For 800A and 801A PBX Systems — -48 Volts 7 Amperes DC — +24 Volts 16 Amperes DC — -24 Volts 0.8 Ampere DC — 10 Volts 0.3 Ampere AC — 10 Volts 2 Amperes AC
802-601-181	2	Performance Requirements — For J86440B Power Plant — Filament Supply — 24 Volts, 1.5 Amperes	802-620-151	1	(J86887) - 6.6, 24 and 48 Volts Supplies — For 810A PBX — Batteryless Operation
802-601-182	1	Performance Requirements — For J86440C Power Plant — 24 Volts, 1 Ampere	802-620-152	1	(J86888) - 6.6 Volt Supply — For 810A PBX — Battery Reserve Operation
802-605-150	2	(J86483) - For TH-1 Radio System	802-624-150	4	(J86833) - For 1A or 1B Telephone Answering System — -24 Volts, 4 Amperes DC — 10 Volts, 0.3 Ampere AC — 15 Volts, 1.0 Ampere AC
Addendum	1		802-626-150	5	(J86818) - For 2A Automatic Call Distributing System — Batteryless Operation — -48 Volts, 8 Amperes DC — 10 Volts, 17 Amperes AC
802-606-153	4	(J86454) - For Type "0" Carrier Terminals and Repeaters — 130 Volts, 0.42 to 0.84 Ampere	Addendum	3	
Addendum	1		802-626-151	3	(J86828) - For 2A Automatic Call Distributing PBX System — Battery Reserve Operation — -10 and -48 Volts, 11 and 20 Amperes DC
802-608-150	2	(J86859) - 2-Wire No. 2 Electronic Switching System and Automatic Intercept Center — No. 1A in Automatic Intercept System — 6.7 Volts, 200 Amperes	802-626-152	5	(J86830) - For 3A Automatic Call Distributing System — Battery Reserve Operation — +10 Volts, 20 Amperes — Zip Tone, and 117-Volts AC Supplies
Addendum	1		802-627-150	8	(J86812) - For No. 400 Switching System — -48 Volts, 8 Amperes DC — +48 Volts, 0.1 Ampere DC — 10 Volts, 2.1 Amperes AC
802-610-150	2	(J86811) - For Traffic Data Summarizer — -3, -17.5, and -48 Volts, 3.5, 1.6, and 8 Amperes DC — +16.8, +17.5, +60, and +145 Volts, 75, 3.2, 0.15, and 0.045 Amperes DC	802-628-001	2	(J85500) — LINEAGE® 2000 Battery Plant — 24 or 48 Volts — 0 Through 6400 Amperes — Equipment Design Requirements — Power Systems
802-612-150	4	(J86431) - For Teletypewriter Switching Unit 81C1 — 48 and 115 Volts DC — 120 Volts AC			
802-612-153	2	(J86453) - For 81D1 Teletypewriter Switching System — 48 Volts, 100 Amperes DC — 130 Volts, 20 Amperes DC — 120/208 Volts AC			
802-612-154	4	(J86658) - 3B20 Simplex — Power Conditioning Cabinet			
802-612-180	1	Performance Requirements — For J86431 Power Plant — 48 Volts DC			
802-612-181	1	Performance Requirements — For J86431 Power Plant — 115 Volts DC			
802-612-184	1	Performance Requirements — For J86453 Power Plant — 48 Volts DC			

Number	Issue	Subject	Number	Issue	Subject
<b>100-Type</b>			Addendum	1	
802-652-153	5	(J86566) - 101E Power Plant — 20 to 24 Volts, 15 and 30 Ampere-Hours	802-659-151	3	(J86455) - 110B Power Plant — 24 Volts, 5 to 80 Amperes DC
Addendum	2		Addendum	1	
802-652-155	8	(J86731) - 101G Power Plants — For Use On Subscriber Premises — 20 Volts, 0.6 and 0.9 Ampere DC — 10 and 18 Volts, 1.4, 2.8, and 17 Amperes AC — 20 Cycle Ringing	802-659-160	14	(J86470) - 111A Power Plant — 22 to 26, 44 to 50, or 44 to 52 Volts — 0 to 800 Amperes — Positive or Negative Ground
Addendum	1		802-659-180	2	Performance Requirements — For J86572 (110A) and J86455 (110B) Power Plants
802-652-157	5	(J86471) - 101J Power Plant — 18 or 24 Volts, 4 Amperes DC — 18 Volts, 1.6 Amperes AC — 10 Volts, 5 Amperes AC	802-659-186	1	Performance Requirements — For J86470 (111A) Power Plant
802-652-158	1	(J86897) - 101K Power Plant — 110 Volts, 30 Hertz AC — -10 Volts, 3 Amperes and -24 Volts, 2 Amperes DC With 15-Ampere-Hour Battery Reserve	802-669-150	2	(J86866) - 130A Power Plant — ±24 Volts, 0 Through 70 Amperes
Addendum	1		802-669-160	2	(J86867) - 131A Power Plant — -48 Volts, 0 Through 70 Amperes
802-653-153	10	(J86466) - 102F Power Plant — 24 Volts, 100 Ampere-Hours DC — 48 Volts, 50 Ampere-Hours DC	802-669-161	2	(J85522) - 131B Battery Power Plant — 48V, 0 Through 70 Amperes DC
802-653-180	1	Performance Requirements — For J86802 (102G) Power Plant	802-669-162	3	(J85525) - 131C, 131D, and 131F Battery Power Plants — -48 Volts, 0 Through 70 Amperes DC
802-654-150	6	(J86423) - 103B Power Plant — 48 and 75 volts, 0.6 Ampere DC	802-670-150	2	(J86868) - 132A Power Plant — ±24 Volts, 0 Through 140 Amperes
802-654-180	1	Performance Requirements — For J86423 (103B) Power Plant	802-670-151	3	(J86918) - 132B Power Plant — ±24 Volts, 0 Through 140 Amperes
Addendum	1		802-670-160	2	(J86869) - 133A Power Plant — -48 Volts, 0 Through 140 Amperes
802-656-151	5	(J86516) - 105C Power Plant — 48 Volts, 3, 10, and 20 Amperes DC	802-670-161	3	(J86919) - 133B Power Plant — -48 Volts, 0 Through 140 Amperes
802-656-152	10	(J86446) - 105D — 48 Volts, 10, 25, and 40 Amperes DC	802-679-151	3	(J86871) - 150B Power Plant ±24 Volts, 0 Through 600 Amperes
Addendum	1		802-679-152	2	(J86928) - Battery Plant — 24 or 48 Volts, 0 Through 800 Amperes
802-656-153	12	(J86814) - 105E Power Plant — 24 and 48 Volts, 30 Amperes DC	802-679-160	2	(J86872) - 151A Power Plant — 48 Volts, 0 Through 400 Amperes — Positive or Negative
802-656-180	1	Performance Requirements — For J86446 (105D) Power Plant	802-679-161	2	(J86873) - 151B Power Plant — -48 Volts, 0 Through 600 Amperes
Addendum	1				
802-659-150	12	(J86572) - 110A Power Plants — 24 Volts, 10 to 120 Amperes DC — 48 Volts, 10 to 400 Amperes DC			

Number	Issue	Subject	Number	Issue	Subject
802-679-162	1	(J86917) - 151C Power Plant -48 Volts, 0 Through 600 Amperes — Equipment Design Requirements — Power Systems	802-751-180	1	Performance Requirements — For J86577 (403A) Power Plant — 130 Volts, 0.6 Ampere
802-680-150	3	(J86908) - 152A Power Plant — 24 Volts, Positive or Negative — 0 Through 1200 Amperes	802-751-181	1	Performance Requirements — For J86592 (403B) Power Plant — 125 or 130 Volts, 0.1 Ampere
802-680-160	3	(J86909) - 153A Power Plant - 48 Volts Negative — 0 Through 1200 Amperes	802-751-182	2	Performance Requirements — For J86436 (403C) Power Plant — 130 Volts, 0.18 Ampere
802-681-150	3	(J86910) - 154A Power Plant — 24 Volts, Positive or Negative — 0 Through 2400 Amperes	802-754-150	9	(J86584) - 410A Power Plant — 130 Volts, 1 to 25 Amperes — Using Regulated Rectifiers
802-681-160	3	(J86911) - 155A Power Plant — 48 Volts Negative, 0 Through 2400 Amperes	Addendum	1	
<b>802-7 Power Plants — 200-, 300-, and 400-Types</b>			802-754-151	5	(J86465) - 410B Power Plants — ±130 Volts, 1 to 80 Amperes DC
<b>300-Type</b>			802-754-160	3	(J86862) - 411A Power Plant — Positive and Negative — 63 Cell, 130 Volts, 120 Amperes — Using Duct-Type Framework
Addendum	2		802-754-161	3	(J86863) - 411B Power Plant — Positive and Negative — 63-Cell, 130 Volts, 120 Amperes — Using Cabinet Framework
802-726-150	4	(J86434) - 302A Power Plant — 24 and 48 Volts, 0 to 10,000 Amperes DC	802-754-180	1	Performance Requirements — For J86584 (410A) Power Plant
802-726-151	1	(J86636) - 302B Power Plants — Negative 24 and 48 Volts — 0 to 10,000 Amperes	802-754-181	1	Performance Requirements — For J86465 (410B) Power Plant
802-726-180	3	Performance Requirements — For J86434 (302A) Power Plant — 24 Volts, 0 to 10,000 Amperes — 48 Volts, 100 to 10,000 Amperes	802-755-150	4	(J86864) - 412A Power Plant — Positive and Negative — 66 Cells, 130 Volts, 120 Amperes — Using Duct-Type Framework
802-727-150	6	(J86874) - 326A Power Plant — Combined Positive 24 Volts and Negative 48 Volts — 0 to 10,000 Amperes	802-755-151	3	(J86865) - 412B Power Plant — Positive and Negative — 66-Cell, 130 Volts, 120 Amperes — Using Cabinet Framework
802-727-151	2	(J86896) - 326B Power Plant — Combined Positive 24 Volts and Negative 48 Volts — 0 to 6000 Amperes	802-755-160	4	(J86826) - 413A Plant — 70-Cell Float and Recharge Equipment for Motor- Alternator and Inverter Plants
<b>400-Type</b>			802-755-163	2	(J86892) - 414B — Position Operation — 59-Cell, 125 Volts, 10 Amperes — Using Cabinet Framework
Addendum	1		802-755-166	1	(J86875) - 415A Power Plant — +140 Volt DC Operation — 70-Cell Float and Recharge Equipment
802-751-150	2	(J86577) - 403A Power Plant — 130 Volts, 0.1 to 0.6 Ampere DC	802-755-167	1	(J87132) - Power Equipment for 415A Power Plant
Addendum	1				
802-751-152	3	(J86436) - 403C Power Plant — 130 Volts, 0.18 Ampere DC			

Number	Issue	Subject	Number	Issue	Subject
802-757-150	11	(J86578) - 420A Power Plant — For Auxiliary Repeater Stations With AC Power Service — 152 Volts, 30 Amperes DC — 55 and 60 Volts AC	802-759-186	1	Performance Requirements — For J86450 (425B) Power Plant — 12 Volts, 22 Amperes — 130 Volts, 0.65 Ampere — 250 Volts, 0.35 Ampere
802-759-150	9	(J86443) - 425A Power Plant — AC Service Equipment — For 12, 24, 130, and 250 Volt Power Plants	802-759-187	1	Performance Requirements — For J86449 (425B) Power Plant — Plate Supply — 130 Volts, 5 Amperes — With 30- Ampere Charge Signal Supply
802-759-151	8	(J86439) - 425 A Power Plant — Filament Supply — -12 Volts, 60 to 800 Amperes	802-760-150	5	(J86442) - 426A Power Plant — ±130 Volts, 0.5 to 40 Amperes
802-759-152	3	(J86832) - 425A Power Plant — Filament Supply — -12 Volts, 60 to 1600 Amperes	802-760-180	1	Performance Requirements — For J86442 (426A) Power Plant — ±130 Volts, 0.5 to 40 Amperes
802-759-153	1	(J86435) - 425A Power Plant — Plate and Filament Supplies — -12, -24, +130, and +250 Volts	<b>802-8 Power Plants — 500-, 600-, and 700-Types</b> <b>500-Type</b>		
Addendum	1				
802-759-154	6	(J86437) - 425A Power Plant — Plate Supply — 130 Volts, 0.5 to 20 Amperes DC	802-801-150	8	(J86527) - 501A Power Plant — For Busy or Idle Line Indicating Lamps — 5 to 8.5 Volts, 59 Amperes AC
802-759-155	5	(J86438) - 425A Power Plant — Plate Supply — 250 Volts, 0.5 to 20 Amperes	802-802-161	10	(J86617) - 504B Power Plants — Emergency AC Supply Units — 208/120 Volts, 1.85 and 6.25 KVA AC
802-759-156	4	(J86837) - 425A Power Plant — +250 Volts, 0.5 to 20 Amperes DC	802-802-186	1	Performance Requirements — For J86611 (504A) Power Plant — 110, 115, and 230 Volts
802-759-160	2	(J86452) - 425B Power Plant — Plate and Filament Supplies — 12-, 24-, 130-, and 250-Volt Power Plants	802-802-187	3	Performance Requirements — For J86617 (504B) Power Plant
802-759-161	4	(J86450) - 425B Power Plant — Plate and Filament Supplies — -12 Volts, 22 Amperes DC — +130 Volts, 0.65 Ampere DC — +250 Volts, 0.35 Ampere DC	Addendum	1	
802-759-162	1	(J86449) - 425B Power Plant — Plate Supply — 130 Volts, 0.5 to 5 Amperes DC — With 30 Ampere Charge Signal Supply	802-804-154	6	(J86448) - 505D Power Plant — L3 Carrier 2-Motor Alternator Equipment — 230 Volts, 10 and 16 KVA AC
802-759-180	3	Performance Requirements — For J86439 (425A) Power Plant — Filament Supply — -12 Volts, 800 Amperes	802-804-181	1	Performance Requirements — For J86426 (505C) Power Plants — Using Motor- Alternators for Stand-By Supply
802-759-181	3	Performance Requirements — For J86437 (425A) — Plate Supply — 130 Volts, 20 Amperes	802-804-182	1	Performance Requirements — For J86426 (505C) Power Plant — Using Motor- Alternator Continuously
802-759-182	3	Performance Requirements — For J86438 (425A) Power Plant — Plate Supply — 250 Volts, 20 Amperes	802-804-183	1	Performance Requirements — For J86426 (505C) Power Plant — Auxiliary Charging Equipment
			802-804-184	2	Performance Requirements — For J86447 and J86448 (505D) Power Plants

Number	Issue	Subject	Number	Issue	Subject
802-805-150	10	(J86724) - 506A Power Plant — 12 Volts, 0.1 KVA AC — 20 or 22 Volts, 0.25 and 0.75 KVA AC — 22 Volts, 50 VA, 0.5 and 1.5 KVA AC	802-852-152	1	(J86803) - 610C Power Plant — -24 Volts, 5 Amperes DC
802-806-186	3	Performance Requirements — For J86476 (508A) Power Plant — Continuous 230 Volts AC	802-852-153	6	(J86807) - 610D Power Plant — 48 Volts, 1.5 Amperes DC
802-810-150	2	(J86840) - 520A — Continuous 230 Volt AC Power	802-852-154	1	(J86901) - 610F Power Plant — Negative 48-Volt DC to Positive 65-Volt DC — 3-Ampere Converter
802-810-180	2	Performance Requirements — For J86840 (520A) Power Plant — 230 Volts	Addendum	1	
802-811-150	2	(J86854) - 521A Power Plant and Combination 505D and 521A Power Plants — L3 Carrier Inverter Plant	802-854-160	1	(J86894) - 620A Plant — Using DC-to-DC Converters — 24 Volts, 600 Amperes Output — 140 Volts Input
802-811-185	1	Performance Requirements — For J86447 and J86854 (521A) Power Plants — L3 Carrier Inverter Plant	802-854-162	2	(J86922) - 620C Converter Frame — DC- to-DC Regulated — 24-Volt, 0- to 300- Ampere Output — +140-Volt Input
802-813-150	5	(J86641) - 523A Power Plant — AC Power Plant With Automatic Transfer From Regular to Reserve Supply — 1.5 kW, 117 Volts, Single-Phase	802-854-163	2	(J86925) - 620C Power Plant — DC-to-DC Regulated — 24-Volt, 0- to 600-Ampere Output on Each of Two Buses — 140- Volt Input
802-813-180	3	Performance Requirements — For J86641 (523A) or J86642 (524A) Power Plant — General Purpose Inverter Plant With Regular and Reserve Supply	802-855-165	2	(J86898) - 625A — Using DC-to-DC Converters — 48 Volts, 300 Amperes Output — 140 Volts Input
802-814-150	4	(J86642) - 524A Power Plant — AC Power Plant With Automatic Transfer From Regular to Reserve Supply — 5 kW, 117 Volts, Single-Phase	Addendum	1	
802-815-160	1	(J86651) - 526A Power Plant — AC Power Plant With Automatic Transfer From Regular to Reserve Supply — 8.0 KW, 120 Volts, Single-Phase	802-855-166	1	(J86903) - 625B Power Plant — DC-to-DC Regulated — 48-Volt, 0- to 300-Ampere Output — 140-Volt Input
<b>600-Type</b>			802-855-167	2	(J86923) - 625C Converter Frame — DC- to-DC Regulated — 48-Volt, 0- to 300- Ampere Output — +140-Volt Input
Addendum	1		802-855-168	2	(J86926) - 625C Power Plant — DC-to-DC Regulated — 48-Volt, 0- to 600-Ampere Output on Each of Two Buses — 140- Volt Input
802-852-150	5	(J86497) - 610A Power Plant — DC-to-DC Converter — Positive or Negative — 130 Volts, 3.0 Amperes Output — -48 Volt Input	802-855-170	1	(J86907) - 625F Power Plant DC-to-DC Regulated — 48-Volt, 0- to 1800-Ampere Output — 140-Volt Input
Addendum	1		802-857-150	2	(J86900) - 630A Power Plant — Using DC-to-DC Converters — 24 Volts, 300 Amperes and — 48 Volts, 150 Amperes Output — 140 Volts Input
802-852-151	6	(J86801) - 601B Power Plant — ±120 and ±130 Volts, 0.75 Ampere	Addendum	1	
			802-862-150	6	(J86809) - 651A Power Plant — Using DC-to-DC Converters — ±130 Volts, 2 and 5 Amperes DC

Number	Issue	Subject
802-865-150	5	(J87309) - 660-Type Power Plant — Using DC-to-DC Converters — $\pm 130$ Volts Output, 48 Volts Input
Addendum	1	
802-865-151	5	(J86882) - 660A Power Plant — Using DC-to-DC Converters — +130 or -130 Volts Output — -48 Volts Input — 7-Foot Duct Framework
Addendum	1	
802-865-152	5	(J86883) - 660B Power Plant — Using DC-to-DC Converters — +130 or -130 Volts Output — -48 Volts Input — 7-Foot Cabinet Framework
Addendum	1	
802-865-153	5	(J86884) - 660C Power Plant — Using DC-to-DC Converters — +130 or -130 Volts Output — -48 Volts Input — 9-Foot Duct Framework
802-865-161	1	(J86905) - 662A Converter Power Plant for Dial-Tone-First Operator Coin Trunks and Miniaturized Dial Long Lines Circuits
802-865-162	1	(J86912) - 663A Converter Power Plant for Coin Control Circuits
802-865-163	1	(J86913) - 663B Converter Power Plant for Coin Control and T1 Carrier Circuits
802-865-164	2	(J86914) - 663C Converter Power Plant for T1 Carrier Circuits
802-865-166	1	(J86920) - 664A Converter Power Plant — General Use Plant
802-866-152	2	(J86880) - 671A Power Plant — +48V or -48V DC, 16.0 Amperes Output — -24V DC Input
802-866-153	3	(J87811) - 672A Power Plant — +24V DC, 48.0 Amperes Output — -24V DC Input
802-866-157	1	(J86915) - 673A Converter Power Plant for C1 Alarm and Miscellaneous Equipment in TD-2 Radio Bays
802-866-158	2	(J86921) - 673B Converter Power Plant for Equipment in TD-2 Radio Bays

Number	Issue	Subject
802-867-150	3	(J86891) - 680A Power Plant — 0- to 1150-Volt, 910-Milliampere DC Output — -24 Volt DC Input
802-867-151	1	(J86899) - 680B Power Plant — 0- to 1150-Volt, 835- and 910-Milliampere DC Output — +140 Volt DC Input
802-867-156	1	(J86904) - 681A Converter Power Plant for TD2 Radio
<b>700-Type</b>		
Addendum	1	
802-871-150	3	(J86475) - 702C Power Plant — $\pm 125$ to $\pm 135$ Volts, 50 to 1000 Amperes
802-871-180	2	Performance Requirements — For J86475 (702C) Power Plant — 130 Volts, 50 to 1000 Amperes
802-872-186	1	Performance Requirements — For J86583 (704B) Power Plant
802-872-187	1	Performance Requirements — For J86590 (704C) Power Plant
802-874-150	8	(J86827) - 708A Power Plant — $\pm 130$ Volts, 1000 Amperes

**802-9 Power Plants — 800- and 900-Types**

<b>800-Type</b>		
802-901-150	1	(J86458) - 801E Power Plant — 20 Cycle $\pm$ Continuous Ringing Supply — 105 Volts, 0.5 Ampere
802-901-156	5	(J86523) - 802B Power Plant — 1000 Cycle Ringing Machine Equipment
Addendum	1	
802-902-151	9	(J86555) - 803C Power Plants — 20-Cycle Machine Ringing Equipment — KS- 15816 Ringing and Coin Control Machines — 84 to 88 Volts Ringing, 6 Amperes AC — 115 to 120 Volts Coin Control, 0.5 Ampere DC
Addendum	1	
802-902-157	5	(J86451) - 804C Power Plants — 20-Cycle Machine Ringing Equipment — 84 to 88 Volts, 1 Ampere

Number	Issue	Subject	Number	Issue	Subject
802-902-158	2	(J86477) - 804D Power Plant — 20-Cycle Emergency Machine Ringing Equipment — KS-15532 Ringing Machine — 84 to 88 Volts, 1 Ampere	802-904-163	1	(J86839) - 807E Power Plant — Tone Supplies for No. 1 TSPS Office — 30-, 60-, and 120-IPM Interrupter Loop Signaling — 0.18 Volt, 1 Volt-Ampere, 480/620 Cycles — 0.29 Volt, 1 Volt-Ampere, 480 Cycles — 0.36 Volt, 1 Volt-Ampere, 440/480 Cycles
802-902-181	2	Performance Requirements — For J86555 (803C) Power Plant	802-904-164	2	(J87813) - 807F — Signaling Equipment — Touch-Tone Dial Tone — Power Supply
802-902-186	1	Performance Requirements — For J86451 (804C) Power Plant — Ringing and Signaling	802-904-165	3	(J87814) - 807G — Signaling Equipment — Precise Busy-Tone Power Supply for Step-by-Step Offices
802-903-181	1	Performance Requirements — For J86428 (805C) Power Plant	802-904-181	1	Performance Requirements — For J86596 (806D) Power Plant — Ringing and Signaling
Addendum	2		802-904-182	1	Performance Requirements — For J86445 (806E) Power Plant
802-904-151	9	(J86596) - 806D Power Plants — 20-Cycle Machine Ringing Equipment — KS-5546 Ringing Machines — 72 to 88 Volts, 0.25 Ampere — 75 to 110 Volts, 0.5 Ampere — 84 to 88 Volts, 0.5 Ampere	802-904-183	1	Performance Requirements — For J86456 (806F) Power Plant — Ringing and Signaling
802-904-152	5	(J86445) - 806E Power Plant — Machine Ringing Equipment — 84 to 88 Volts, 0.25 Ampere — 94 to 101 Volts, 0.25 Ampere — 102 to 110 Volts, 0.25 Ampere	802-905-155	7	(J87801) - 812A Power Plant — Ringing and Tone Power Plant — For No. 1 ESS Offices
Addendum	3		Addendum	3	
802-904-153	4	(J86456) - 806F — 20-Cycle Machine Ringing Equipment — 84 to 88 Volts, 0.25 Ampere — 90 to 120 Volts, 0.1 Ampere — 94 to 101 Volts, 0.25 Ampere — 102 to 110 Volts, 0.25 Ampere	802-906-150	9	(J86834) - 808A Plant — Ringing and Tone Power Plant for 1 ESS™ Offices
Addendum	1		802-908-160	2	(J87822) - 820A — Ringing, Tone, and Interrupter Power Plant for No. 4 ESS Toll Offices
802-904-154	4	(J86472) - 806G Power Plants — 20 Cycle Machine Ringing Equipment — KS- 15804 Ringing Machines — 65 to 90 Volts, 0.25 Ampere	802-910-150	1	(J87803) - 831A Power Plant — Ringing and Tone Equipment — Static Ringing and Transistor Tone Generators — For No. 2 ESS 4-Wire Offices
Addendum	1		802-915-150	4	(J87804) - 841A Plant — Ringing and Tone Power Plant — For No. 2 ESS Offices
802-904-155	8	(J86815) - 806H Plant — Ringing and Tone Equipment — Static Ringing and Transistor Tone Generators for 1 ESS™ Offices	802-921-150	2	(J87807) - 852A Power Plant — Ringing and Tone Power Plant — For No. 5 Crossbar Offices
802-904-160	2	(J86816) - 807B Power Plants — Call Progress Tone Equipment — Transistor Tone Generators and Rotary Interrupters	802-922-150	2	(J87809) - 853A Power Plant — Ringing and Tone Power Plant — For No. 5 Crossbar Offices
802-904-162	4	(J86829) - 807D Power Plants — Dial Tone Supply and Signaling Equipment for Use With Touch-Tone Dial Tone — 350 and 440 Hertz — 1.2 to 23 Volts, 1 and 35 Volt-Amperes	802-925-150	1	(J87820) - 856A Power Plant — Ringing, Tone, and Interrupter Power Plant for No. 4A Toll and Crossbar Tandem Offices

Number	Issue	Subject	Number	Issue	Subject
802-926-150	1	(J87821) - 857A Power Plant — Ringing, Tone, and Interrupter Power Plant for No. 4A Toll and Crossbar Tandem Offices	<b>900-Type — Diesel Plants</b>		
802-930-155	1	(J87812) - 861A Power Plant — Ringing and Tone Power Plant — For No. 1, 350A and 355A Step-by-Step Offices	Addendum	1	
802-931-150	2	(J87810) - 862A Power Plant — Ringing and Tone Power Plant — For No. 1 and 350A Step-by-Step Offices	802-961-151	1	(J86627) - 900-Type Power Plants — Stationary Diesel Engine-Driven Alternator — 208 to 240 and 416 to 480 Volts, 500 kW — Automatic and Manual Control — General Information
802-932-150	3	(J86881) - 863A — Ringing and Tone Power Plant — For No. 1 and 350A Step-by-Step Offices	802-961-180	2	Performance Requirements — For J86633 (900-Type) Power Plants — Manual Control
802-938-150	1	(J87819) - 871A Ringing Power Plant—±105 Volt Continuous Ringing	802-961-181	2	Performance Requirements — For J86633 (900-Type) Power Plants — Automatic Control
802-939-150	1	(J87808) - 872A Ringing Power Plant — 105V Continuous Ringing	802-961-182	3	Performance Requirements — For J86627 (900-Type) Power Plants — Manual Control
802-940-150	2	(J86855) - 873A Power Plant — 20 Cycle, ± Continuous Ringing — 105 Volts, 5 Amperes	802-961-183	2	Performance Requirements — For J86627 (900-Type) Power Plants — Automatic Control
802-943-150	1	(J87824) - 881A Miscellaneous Power Frame and the Ringing, Tone, and Cadence System — For No. 3 ESS Offices	802-963-180	1	Performance Requirements — For J86625 (900-Type) Power Plants — Automatic or Manual Control
802-943-151	1	(J87825) 881B Miscellaneous Power Frame and the Ringing, Tone, and Cadence System for No. 3 ESS Offices	802-963-181	1	Performance Requirements — For J86625C (900-Type) Power Plant — Automatic Control
<b>900-Type — General</b>			802-963-182	1	Performance Requirements — For J86620 (900-Type) Power Plants
802-950-152	1	(J86632) - 900-Type Power Plants — Method for Determining Motor Starting Capacity — Of Engine-Alternators	802-963-183	2	Performance Requirements — For J86614 (900-Type) Power Plants
<b>900-Type — Gasoline Plants</b>			Addendum	1	
802-956-180	2	Performance Requirements — For J86618 (900-Type) Power Plants — Automatic or Manual Control	802-964-152	2	(J86842) - 900-Type Power Plants — Automatic Diesel Engine-Driven Alternators — 208 to 240 Volts, 115 kW — 3-Phase, 4-Wire, 1800 RPM
802-956-181	1	Performance Requirements — For J86618J and J86618K (900-Type) Power Plants — Automatic Control	802-964-153	6	(J86841) - 900-Type Power Plants — Automatic Diesel Engine-Driven Alternator Plants — 30-115 Kilowatts, 208 to 240 Volts, 75-115 Kilowatts, 416 to 480 Volts, 3-Phase, 4-Wire, 1800 RPM
			802-964-154	3	(J86645) - Manual Diesel Engine-Driven Alternator Plants — 30-115 Kilowatts, 208 to 240 Volts and 75-115 Kilowatts, 416 to 480 Volts, 3-Phase, 4-Wire, 1800 RPM



Number	Issue	Subject	Number	Issue	Subject
Addendum	1		<b>900-Type — Engine Alternator Plants</b>		
802-964-155	1	(J86647) - 900-Type Power Plants — Manual Diesel Engine-Driven Alternator Plants — 115 kW, 208 to 240 Volts, 3-Phase, 4-Wire, 1800 RPM	Addendum	2	
802-964-156	4	(J86657) - 900 Type Power Plants — Diesel- Engine-Driven Alternator — 24 or 28 Kilowatts, 208-240V, 60 Hz, 3 $\phi$ , 4 Wire — 24 or 28 Kilowatts, 230-240V, 60 Hz, 1 $\phi$ , 3 Wire — 40 Kilowatts, 208-240V, 60 Hz, 3 $\phi$ , 4 Wire — 40 Kilowatts, 230-240V, 60 Hz, 1 $\phi$ , 3 Wire	802-980-150	4	(J86838) - 900-Type Power Plants — Stationary Gas Turbine Engine-Driven Alternator — 208, 230, 240, 480, or 4160 Volts, 750 kW — Manual and Automatic Control
802-964-157	2	(J86659) - 900-Type Power Plants — Diesel-Driven Alternator — 12 and 20 Kilowatts, 230-240 Volts, — 1.0 Power Factor, 60 Hertz, 1-Phase, 3-Wire	Addendum	1	
802-964-180	1	Performance Requirements — For J86628 (900-Type) Power Plants	802-980-152	2	(J86644) - 900-Type Power Plants — Gas- Turbine Engine-Driven Alternator — 480 and 4160 Volts, 2100 and 2500 kW — 3-Phase, 60 Hz
802-964-181	1	Performance Requirements — For J86629 (900-Type) Power Plants	802-980-153	3	(J86653) - 900-Type Power Plants — Stationary Gas Turbine Engine-Driven Alternator — 208, 230/240, 480, or 4160 Volts, 900 kW (Peak)/750 kW (Base) — Manual and Automatic Control
802-964-183	2	Performance Requirements — For J86842 (900-Type) Power Plants — Automatically Controlled	802-980-154	1	(J86654) — 900-Type Power Plants — Gas Turbine Engine-Driven Alternator — 208 to 240 and 416 to 480 Volts, 435 to 500 kW 3-Phase, 60 Hz
802-964-184	2	Performance Requirements — KS-22344 Disel-Engine Alternator — 40-kW and 24-kW Plant (J86657)	802-980-155	1	(J86655) — 900-Type Power Plants — Gas Turbine Engine-Driven Alternator — 480 Volts and 4160 Volts, 1250 to 1500 kW 3-Phase, 60 Hz
Addendum	1		802-980-180	1	Performance Requirements — For J86838 (900-Type) Power Plants — Manual Control
802-965-150	2	(J86631) - 900-Type — Stationary Diesel Engine-Driven Alternator — Automatic and Manual — 208 to 240 or 416 to 480 Volts, 225 kW — 3-Phase, 60 Cycles	802-980-181	1	Performance Requirements — For J86838 (900-Type) Power Plants — Automatic Control
802-965-180	2	Performance Requirements — For J86631 (900-Type) Power Plants — Manual Control	802-980-182	1	Performance Requirements — KS-19896 Gas Turbine Engine-Alternator — 200 kW Plant (J86637)
Addendum	1		802-980-183	2	Performance Requirements — KS-20542 Gas Turbine Engine-Alternator — 200 kW Plant (J86637)
802-965-181	2	Performance Requirements — For J86631 (900-Type) Power Plants — Automatic Control			

Number	Issue	Subject
802-980-184	1	900-Type Power Plants — KS-22673 Gas Turbine Engine Alternator — 900 kW (Peak)/750 kW (Base) Plant J86653 — Performance Requirements
802-980-185	1	Performance Requirements — KS-20460 Gas Turbine Engine-Alternator — 2100 kW and 2500 kW Plants (J86644)
802-980-186	1	Performance Requirements — KS-21264 Gas Turbine Engine-Alternator — 435 to 500 kW Plants (J86654)
802-980-187	1	Performance Requirements — KS-21879 Gas Turbine Engine-Alternator — 1250 to 1500 kW Plants (J86655)
Addendum	2	
802-981-150	1	(J86646) - 900-Type Power Plants — Automatic Reserve Power Plants — 480 or 4160 Volts, 2.1 to 7.5 Megawatts
Addendum	1	
802-981-151	1	(J86740) - System Control Bay for Paralleled Standby Alternators

**Division 803**

**Grounding Systems**

Number	Issue	Subject
<b>803-7 Grounding Verification</b>		
■ 803-700-400	1	Ground System Verification

**803-0 Index**

**803-2 Electrodes and Terminals**

**803-5 Grounding Requirements**

**803-7 Grounding Verification**

Number	Issue	Subject
<b>803-0 Index</b>		
803-000-000	4	Grounding Systems (2-95)

**803-2 Electrodes and Terminals**

Addendum	1	
803-200-100	1	Grounding Practices — Grounding Electrode Systems And Grounding Terminals — General Equipment Requirements And Engineering Information
■ 803-200-105	1	Specification for Ground System Installation for Lightguide Regenerator Buildings (11-94)

**803-5 Grounding Requirements**

803-500-150	1	Grounding Practices — Telecommunications Systems Grounding — New Buildings Housing Digital and/or Analog Telecommunications Equipment Requirements and Engineering Information
■ 803-500-210	1	General Equipment Grounding Requirements for Analog and Digital Radio Systems and Auxiliary Stations
803-500-410	1	Grounding Practices — Isolated Ground Planes — Engineering and Application Information

**Division 804**

**Equipment Design and General Requirements and Engineering Information — Toll Systems**

**804-0 Index, General Information, and Miscellaneous Equipments**

**804-1 Program Transmission and Radio Telephone**

**804-3 Microwave Radio**

**804-6 Carrier**

**804-9 Test Equipment**

Number	Issue	Subject
804-001-156	2	(J68897) — 4-Wire Order Circuits
804-001-157	10	(J68612) — Telephone Order Wire and Telegraph Test Wire Equipment — Toll and Telegraph Systems
804-001-158	5	(J68648) — Signaling — Sequence Signaling and Telephone Order Wire Equipment
804-001-159	4	(J68814) — Signaling — Sequence Signaling — Transmitting, Receiving and Translating Equipment
804-001-161	3	(J68657) — Toll Conference Service — Multipoint Conference Bridge
804-003-150	14	(J68606) — Echo Suppressor Equipments
804-003-151	11	(J68605) — Echo Suppressors and Associated Testing Equipment
804-003-152	5	(J68881) — 3A and 3B Echo Suppressor
Addendum	2	
804-003-155	4	(J68914) — 4A Echo Suppressor Bay
Addendum	1	
804-003-160	2	(J68658) — 58-Type Echo Suppressor Measuring System — No. 1A, 2, 3, and 4 Echo Suppressors
804-004-150	4	(J68628) — Repeater and Line Equipment — Associated With Telephotograph
804-004-151	6	(J68643) — Voice-Frequency Telephone Repeaters for Use at L1 and L3 Carrier Auxiliary Repeaters
804-004-153	8	(J68635) — V1 and V2 Telephone Repeaters and Associated Equipment
804-004-154	5	(J68638) — A-C Operated V1 Telephone Repeater Application
804-004-155	5	(J68649) — V3 Telephone Repeater — Bay Equipments
804-004-156	5	(J68651) — V3 Telephone Repeaters and Voice Frequency Line Equipment for Voice Frequency and Carrier Applications
804-004-157	1	(J68656) — Tone Operated Control — Telephotograph System

**804-0 Index, General Information, and Miscellaneous Equipments**

Number	Issue	Subject
804-000-000	97	Numerical Index — Division 804 — Equipment Design and General Equipment Requirements and Engineering Information — Toll Systems
<b>Specifications</b>		
804-001-150	5	(J67002) — Distributing Frame — 11'-6" High — Jacks, Protectors, or 8" Terminal Strips on Vertical Side — 8" Terminal Strips Mounted Vertically on Horizontal Side
804-001-151	3	(J67001) — Distributing Frames — Protector Frames
804-001-152	6	(J61401) — Miscellaneous Intertoll Trunks and Associated Equipments — Relay Rack Units (Also numbered 814-522- 150)
804-001-153	7	(J68631) — Toll Conference Unit and Repeater Bay Equipment and Associated Trunk Units
804-001-154	3	(J68803) — Patching Trunk Bay Equipment and Tandem Patching Trunk Bay Equipment
804-001-155	1	(J68896) — Tandem Patching Bay for Spare Equipments and Patching Trunks for 4-Wire and 6-Wire VF Circuits

Number	Issue	Subject	Number	Issue	Subject
804-005-150	4	(J68777) — 1A Compandor	804-020-190	2	Ringers and Signaling Circuits and Associated Equipment
804-007-150	8	(J68811) — C1 Alarm and Control System	804-021-180	1	Frequency Indicator and Alarm Circuits
804-007-151	5	(J68804) — B1 Alarm and Control System	804-021-181	2	Oscillators and Associated Amplifiers
804-007-155	7	(J63004) — Alarm Trunk Equipment for Repeater Stations	804-021-182	1	Sequence Signaling and Order Wire Circuits for Use with TD2 Radio Relay Systems, C1 Alarm and Control Systems, Television Networks
804-007-156	1	(J63005) — Maintenance Alarm Equipment	804-021-183	4	Toll Conference Service Equipment
804-007-157	2	(J68904) — Signal Converter for International Trunk Supervision	804-021-184	1	J68612E Four Wire Telephone Order Wire Bridging Arrangements
804-007-158	1	(J68957) — Unitized Analog Facility Terminal Equipment For CCITT No. 5 With Line Signaling Transceivers, Optional A6B Channel Banks, Optional Direct Formed Supergroup With Optional 2BX SMAS No. 3 Maintenance Connectors Arranged for 96 Circuits	804-021-185	1	Network and Network Jack Units J68624
804-007-160	2	(J68883) — Broadband Restoration — Order Wire Equipment	804-021-186	2	Crosstalk Tests on Newly Installed Repeating Coil Groups and Composite Sets Used in Cable Circuits
● 804-007-161	1	(J68890) — Failure Display Equipment 4 Broadband Restoration	Addendum	1	
Addendum	1		804-021-192	1	Multipoint Conference Bridge
● 804-007-162	1	(J68891) — Control Console — Broadband Restoration	804-021-193	3	C1 Alarm and Control System — Alarm Sending and Receiving Circuits
● 804-007-164	1	(J68907) — Telemetry Printer for Broadband Restoration	804-022-182	2	22A Type Telephone Repeaters and Associated Circuits
<b>Performance Requirements</b>			804-022-186	1	Switched-In V1 Telephone Repeaters and Repeating Coil Hybrid Circuits with Associated Circuits at Non-Repeated Terminals for Toll Switching System No. 4
804-020-180	3	1600- or 2000-Cycle Single-Frequency Signaling Circuits SD-55954-01 and SD- 55954-02	804-022-187	4	V1 Telephone Repeaters and Associated Equipment
804-020-181	2	1600- or 2000-Cycle Supply Circuit SD-55962-01	804-022-192	6	1A Echo Suppressor and Disabler
804-020-182	2	1600- or 2000-Cycle Single Frequency Signaling Circuit SD-56202-01	● 804-022-193	1	2A Echo Suppressor
804-020-183	1	1600- or 2000-Cycle Supply Circuit SD-56239-01	804-022-194	1	3A Echo Suppressor
804-020-184	2	2400- or 2600-Cycle Supply Circuit — J68602CM Oscillator Circuit — J68602CN Transfer Circuit	804-022-195	1	3B Echo Suppressor
804-020-185	4	2400- or 2600-Cycle Single-Frequency Signaling Circuit and Network Circuit	804-022-197	1	58-Type Echo Suppressor — Measuring System
804-020-186	1	2400- or 2600-Cycle Single-Frequency Signaling Circuit SD-56202-02	804-022-198	1	Tone-Operated Control Circuit (SD-56524- 01)
			804-023-180	2	1A Compressor and 1A Expander (1A Compandor)

Number	Issue	Subject
<b>Toll Terminal Equipment</b>		
804-050-150	2	(J68935) - Voiceband Interface — No. 4ESS™ Interface
804-050-151	2	(J68952) - Digroup Terminal
804-050-153	4	(J68960) — Digital Interface
804-050-157	1	(J68965) — Unitized Digital Facility Terminal — With D4 Channel Banks, CCITT — No. 5 Line Signaling Transceivers and 2BX Maintenance Connectors — For use in No. 4ESS International Switching Centers

Number	Issue	Subject
804-131-153	1	(J68334) — B1 Channel Shifter Panels
804-131-154	4	(J68326) — Vogad and Bypass Panels
804-131-155	2	(J68317) — B3 Privacy
804-131-156	2	(J68324) — A5 Privacy
804-131-157	4	(J68364) — TV Program Switching — Switching Control Panel and Associated Relay Rack Equipment
804-132-150	1	(J68375) — D1 Alarm and Control Circuit and Order Wire Circuit
804-132-151	4	(J68379) — D2 Alarm, Control, and Order Wire System

**804-1 Program Transmission and Radio Telephone**

**Program Transmission**

**Specifications**

804-101-150	2	(J68634) — Program Transmission Equipment for Switching of Program Circuits
804-101-151	12	(J68617) — Program Transmission Panels and Units

**Performance Requirements**

804-105-180	4	12C Program Amplifiers and Associated Equipment
804-105-181	4	14C Program Amplifiers and Associated Equipment
804-105-182	2	700A Volume Indicator
804-105-183	1	754 Type Volume Indicators
804-105-184	2	J64001G Volume Indicator
804-105-185	2	Open Wire Program Amplifiers and Associated Equipment

**Radio Telephone**

**Specifications**

804-130-150	1	(J68328) — B4 Control Terminal
804-130-153	4	(J68352) — Terminating Equipment
804-130-154	1	(J68360) — Marine Service Transmitting Station for Use With Aeronautical Communications Equipment Incorporated — Radio Transmitter Model 446
804-131-151	4	(J68312) — Voice Frequency Amplifiers
804-131-152	2	(J68325) — A2 Channel Shifter Panels

**Performance Requirements**

804-150-180	5	C2 Control Terminal
804-150-181	4	C4 Control Terminal
804-150-182	2	E1 Control Terminal
804-150-183	1	J68320 G1 Control Terminal
804-150-184	2	J68327 G2 Control Terminal
804-151-180	2	Third Channel Applique per J68323L and Associated Bridging Equipment for Radio Telephone Terminals
804-151-181	2	Telegraph or Third Channel Bypass Circuit for B1 or B2 Vogad
804-151-187	2	D1 Alarm and Control Circuit and Order Wire Circuit
804-151-188	2	D2 Alarm and Control and Order Wire Circuit
804-152-180	1	A2 Channel Shifter Equipment for Radio Telephone Terminals
804-152-181	2	B1 Channel Shifter Equipment for Multichannel Single Sideband Radio Circuits
804-152-184	1	A2 Vogad Circuit
804-152-185	3	B2 Vogad Circuit
804-152-189	1	Voice Frequency Amplifier J68312C for Radio Telephone Terminals
804-152-190	6	A1 Noise Reducer for Radio Telephone Terminals
804-152-191	1	A2 Noise Reducer for Radio Telephone Terminals
804-152-193	5	A5 Privacy System for Radio Telephone Terminals
804-152-194	1	B3 Privacy Inverter

Number	Issue	Subject	Number	Issue	Subject
<b>804-3 Microwave Radio</b>			804-304-181	1	Performance Requirements — 200B Protection Switching System
<b>Miscellaneous and Common Equipment</b>			804-305-150	2	(J68420) — 2A Restoration Switch
804-301-150	2	(J68388) — TD-to-TH and TH-to-TD IF Shifters	804-305-180	1	Performance Requirements — 2A IF Restoration Switch
804-301-180	1	IF Shifters — J68388A, B	804-306-150	4	(J68421) — Line Branching and Mastergroup Combining for Use With MMX-2 on Radio
804-302-150	2	(J68385) — Emergency Broadband — IF Restoration	804-307-150	2	(J68910) — Switch and Control Bays and Control Units for Broadband Switching
804-302-180	1	Emergency Broadband IF Restoration	804-308-150	2	(J68424) — 300A Protection Switching System
804-302-181	1	Broadband IF Restoration — IF Restoration Pilot Detector	804-308-155	1	(J68429) — 400 Type IF Protection Switching Systems
804-302-182	1	IF Restoration — J68385L Interconnecting Status and Control Panel for TD Automatic Protection Switching	804-308-159	1	(J68446) — 500A Protection Switching System
804-302-183	1	IF Restoration — J68385M Interconnecting Status and Control Panel for the 100A Protection Switching System	804-308-180	2	Performance Requirements for the 300A Protection Switching System
804-302-184	1	IF Restoration — J68385N Interconnecting Status and Control — Panel for TH Radio Protection Switching	804-308-185	1	Performance Requirements for the J68429AA Test Set — 400A Protection Switching System — Specialized Test Equipment
804-303-150	5	(J68381) — 100A Protection Switching System	804-308-187	2	Performance Requirements — 400B Protection Switching System
Addendum	1		804-308-188	1	Performance Requirements for the J68437B — 401B Protection Switching System
804-303-180	6	Performance Requirements — 100A Protection Switching System — Transmitting IF Switch and Control Bay	804-308-190	1	Performance Requirements for the 401C Protection Switching Unit
804-303-181	8	Performance Requirements — 100A Protection Switching System — Receiving IF Switch and Control Bays	804-309-150	1	(J68384) — Antennas, Passive Reflectors, and Radomes for Microwave Communication Systems
804-303-182	3	100A Protection Switching System — Auxiliary Station IF Switch and Control Bay	804-309-151	3	(J68393) — Indoor — Waveguide Considerations
804-303-183	3	Performance Requirements — 100A Protection Switching System — Local and Remote Controls, Indications, and Alarms	804-309-152	2	(J68399) — Auxiliary Channel — General Requirements
804-303-184	1	100A Protection Switching System — Test Set	804-309-153	5	(J68383) — TD & TH Radio — 3-Type FM Terminal Equipment
804-303-185	4	Performance Requirements — 100A Protection Switching System — Job Additions	804-309-154	5	(J68418) — 4- and 5-Type FM Terminal Equipment
804-304-150	3	(J68398) — 200-Type Protection Switching System	804-309-158	2	(J68451) — Toll Systems — Heterodyne Auxiliary Channel Equipment
804-304-180	1	200A Protection Switching System			

Number	Issue	Subject	Number	Issue	Subject
804-309-180	1	3A FM Terminal Transmitter	804-330-157	7	(J68350) — Automatic Switching — Switching Control Equipment
804-309-181	1	3A FM Terminal Receiver	804-330-158	6	(J68351) — Automatic Switching — Auxiliary Station Switching and Control Equipment
804-309-182	1	Performance Requirements — 4A FM Terminal Receiver	804-330-160	2	(J68354) — Program and Terminal Maintenance Switching, Patching, and Monitoring for IF, Video, and Pilot Resupply Equipment for Automatic Switching
804-309-183	1	Performance Requirements — 4A FM Terminal Transmitter	804-330-161	6	(J68344) — Remote Control Equipment for Controlling 223-Type Switches Over Metallic Loops or C1 Alarm System
① 804-309-184	2	Performance Requirements — Group Entrance Link — SD-50968-01 and ED- 51390-( )	804-330-162	4	(J68356) — Remote Control Equipment Using Sequence Signaling
804-311-150	1	1A-Radio Digital System Message Data Combining Units — Equipment Description Toll System	804-330-164	5	(J68345) — Transmitter-Receiver Test Set
Addendum	1				
804-313-150	1	(J68436) — Protected Gain and Equalization Bay			
804-314-150	1	(J68445) — IF Entrance Link			
804-325-150	4	(J68359) — Non-Western Microwave Radio Relay — Motorola Message Equipment — MR-10 — System Requirements			
804-325-151	3	(J68361) — Non-Western Microwave Radio Relay — Motorola Multiplex Equipment — Unit Requirements			
<b>TD Radio</b>			<b>Performance Requirements</b>		
<b>Specifications</b>			804-330-180	2	FM Terminal Transmitter
804-330-152	7	(J68338) — IF and Video — Patching and Monitoring Equipment	804-330-181	2	FM Terminal Transmitter — Tested With J68337H FM Terminal Test Set
804-330-153	3	(J68417) — Microwave Radio — IF Patch and Access, FM Terminals, FM Terminal Patching, and Associated Miscellaneous Equipment	804-330-182	2	FM Terminal Transmitter — Balanced Input
804-330-154	6	(J68341) — Radio and Express Radio Order Circuit Equipment for Use With TD and TH Microwave Radio System	804-330-183	2	FM Terminal Receiver
804-330-155	8	(J68342) — Alarm Equipment for Use With Major Route — Distribution Fuse, Individual, Audible, and Visual Alarms	804-330-184	1	IF and Video Monitoring and Patching Equipment
804-330-156	4	(J68346) — Alarm Equipment for Use With Secondary Route TD Microwave Radio Systems — Distribution Fuse, Individual, Audible, and Visual Alarms	804-330-185	1	Video Monitor Amplifier
			804-330-186	1	IF Bridging Amplifier
			804-330-187	4	Automatic Switching — Switching Control Circuits — Switching and Control Bay J68350A
			804-330-188	3	Initiator Circuits for Regular and Protection Channels for TD Radio Automatic Switching
			804-330-189	1	Initiator Test Set for TD Radio Automatic Switching
			804-330-190	2	Video Pilot Supply and Distribution Circuits for TD Radio Automatic Switching
			804-330-191	1	IF Pilot Resupply Circuit for TD Radio Automatic Switching



Number	Issue	Subject	Number	Issue	Subject
<b>TD-2 Radio</b>			804-331-184	7	TD-2 Transmitter-Receiver Bay — Tested With J68345A Test Set
<b>Specifications</b>			804-331-185	1	J68378B IF Amplitude Equalization Circuit
804-331-150	1	AA266.031, Issue 2 (J68339) — General Requirements	804-331-186	1	FM Terminal Test Set
804-331-151	8	(J68331) — Transmitter-Receiver Bay	804-331-187	2	J68337H FM Terminal Test Set
Addendum	2		804-331-188	1	FM Terminal Receiver for TD Radio Tested With J68337H FM Terminal Test Set
804-331-152	9	(J68330) — IF, Microwave, and Control Units	804-331-189	2	TD2 Radio Automatic Switching Over-all Systems Tests
804-331-153	4	(J68389) — Microwave Radio — Channel Equalization and Level Adjustment	804-331-190	1	FM Terminal Transmitter Automatic Protection — Switching System Per SD- 50449-01 for Baseband to IF Transmission Circuits — Connecting L- Type Multiplex to TD-2 Radio
804-331-154	1	(J68378) — IF Amplitude Equalization	804-331-191	1	J68382 FM Terminal Receiver — Protection Switching System — IF-to-Baseband Transmission Circuit — Connecting TD Microwave Radio to L-Type Multiplex
804-331-155	5	(J68349) — Automatic Switching — IF Switching Equipment	804-331-192	1	Visual Delay Set
804-331-156	5	(J68382) — TD Microwave Radio — 1 x 5 — Automatic Protection Switching Equipment	804-331-193	3	J68333A Test Bench
804-331-157	1	AA266.037, Issue 5 (J68343) — Tube Cooling System	804-331-194	1	RF Leakage
Addendum	1		<b>TD-3 Radio</b>		
804-331-158	4	(J68368) — Outdoor Waveguide for Microwave Communication Systems	<b>Specifications</b>		
804-331-159	3	(J68348) — General Requirements for Secondary Route Installations	Addendum	1	
804-331-161	6	(J68337) — FM Terminal Test Set	804-332-150	2	(J68386) — Transmitter-Receiver Bay
804-331-162	1	AA266.036, Issue 6 (J68333) — Test Bench Equipment	804-332-151	3	(J68392) — Transmitter-Receiver Test Set
804-331-163	5	(J68340) — TD-2 Radio Transmitter- Receiver Test Equipment and Microwave System Power Meter NOTE: Formerly AA 266-034	Addendum	1	
<b>Performance Requirements</b>			804-332-152	3	(J68387) — Transmitter-Receiver Bay Components
804-331-180	1	Over-all Radio System	804-332-153	2	(J68396) — TD-3/TH-3 Radio Systems — Test Bench Facility
804-331-181	2	J68340A Transmitter-Receiver Test Bay	Addendum	1	
804-331-182	10	TD-2 Transmitter-Receiver Bay — Tested With J68340A Test Bay	804-332-154	1	(J68390) — Long Haul Microwave Radio Systems
804-331-183	2	J68345A Transmitter-Receiver Test Bay	804-332-155	2	(J68391) — Alarm Equipment for Use with TD-3 and TH-3 Microwave Radio Relay System — Distribution Fuse, Individual, Audible, and Visual Alarms

Number	Issue	Subject	Number	Issue	Subject
<b>Performance Requirements</b>			Addendum	1	
804-332-180	1	J68392A TD-3 Radio Transmitter-Receiver Test Set	804-333-166	3	(J68848) — Maintenance Center — Test Equipment
804-332-181	3	J68386A and B TD-3 Transmitter-Receiver Bays	<b>Performance Requirements</b>		
804-332-182	2	Station Audible, Visual, and Common Alarm Circuits	804-333-180	5	Microwave Carrier Supply
<b>TH Radio</b>			804-333-181	3	TH Microwave Radio — Broadband and Auxiliary Channel Equipment — Auxiliary Channel Transmitter and Receiver
<b>Specifications</b>			804-333-182	2	TH Auxiliary Channel Terminal
804-333-150	1	AA266.067, Issue 1 (J68401) — General Requirements	804-333-183	1	Transmitter-Receiver Test Set
804-333-151	1	AA266.068, Issue 3 (J68402) — Broadband and Auxiliary Channel — Radio Transmitter and Receiver Equipment	804-333-184	7	Broadband Channel Radio Transmitter
Addendum	1		804-333-185	3	Broadband Channel Radio Receiver
804-333-153	3	(J68404) — Component Equipment	804-333-186	1	FM Terminal Test Set
804-333-154	2	(J68406) — FM Terminal Equipment	804-333-187	2	J68406A FM Terminal Transmitter
804-333-155	3	(J68407) — Alarm Equipment for Use With TH-1 Radio Systems — Distribution Fuse, Individual, Audible, and Visual Alarms	804-333-188	1	J68406K FM Terminal Receiver
Addendum	1		804-333-189	1	Message Connecting Links
804-333-156	3	(J68854) — Message Connecting Links	804-333-190	1	TH Mop-Up Equalization Circuit
Addendum	1		804-333-191	1	Main and Repeater Stations
804-333-157	2	(J68409) — Automatic Protection Switching Bay Equipment	804-333-192	1	J68412A Protection Switching Test Set
804-333-158	2	(J68410) — Automatic Protection Switching Equipment — Panels, Mountings, and Plug-In Units	804-333-193	2	Automatic Protection Switching System — FM Terminal Switching — DC Reporting — IF-to-Baseband Switching for FM Terminal Receivers — Baseband-to-IF Switching for FM Terminal Transmitters — (J68409A, J68409B, and J68409D Bays)
804-333-159	1	AA266.083, Issue 1 (J68411) — IF and Baseband Patching, Monitoring, Amplifier, Equalization Equipment, and Station Transmission Cabling	804-333-194	3	Automatic Protection Switching System — IF Switching Tone Reporting Section (J68409A and J68409C Bays)
804-333-161	2	(J68405) — Transmitter-Receiver Test Set	804-333-195	1	Protection Switching System — Automatic Exerciser
804-333-162	2	(J68415) — Auxiliary Channel Test Set	804-333-196	2	Maintenance Center Test Equipment
804-333-163	2	(J68408) — TH Microwave Radio — FM Terminal Test Set	804-333-197	1	Tube Cooling System
804-333-164	2	(J68412) — Protection Switching Test Set	804-333-198	1	J68402N TH-1 Radio Broadband Channel Radio Receiver

Number	Issue	Subject	Number	Issue	Subject
<b>TH-3 Radio</b>			804-336-153	3	(J68373) — Order-Wire, Alarm, and Control Bay
<b>Specifications</b>			804-336-154	4	(J68374) — Diversity Switch and Transmission Unit
804-334-150	2	(J68423) — Medium Haul — Terminal and Order-Wire and Alarm Equipment	804-336-155	2	(J68376) — TJ Microwave Radio — Test Sets and Test Equipment — Testing and Maintenance
<b>Addendum</b>			<b>Performance Requirements</b>		
804-334-151	1	(J68426) — Medium Haul System — General Equipment Design Requirements	804-336-180	2	Transmitter-Receiver Bay
804-334-152	1	(J68422) — Frequency Diplexed — Auxiliary Channel	804-336-181	2	TJ Order-Wire, Alarm, and Control Bay for Use With TJ Radio D1 Alarm Systems — Including TJ/TM-1 Applications
<b>Addendum</b>			804-336-182	2	TJ Diversity Switch for Order-Wire, Alarm, and Control Bay for Use With TJ Radio D2 Alarm Systems — Including TJ/TM-1 Applications
804-334-153	1	(J68913) — Transmitter-Receiver Bay Components	804-336-183	2	Type A, Wire-Line Entrance Link Per SD- 59459-02
<b>Performance Requirements</b>			804-336-184	1	Wire-Line Entrance Link Per SD-50006-01 for Cable Lengths Between 2400 Feet and 7.9 Miles
804-334-180	1	The J68912A and J68912B TH-3 Transmitter-Receiver Bays	804-337-180	3	TN-1 Microwave Radio — Transmitter- Receiver Panel
804-330-192	1	Program Switching Circuits and Program Switching Control Circuits	804-337-181	1	TN-1 Microwave Radio — Overall System
804-334-181	2	Auxiliary Channel Switching System — Main Station	804-340-150	1	(J68449) — Transmitter-Receiver Bay and Transmitter-Receiver Support Bay
804-334-182	1	The FARINON* FJ-00008D — Frequency Diplexed Auxiliary Channel Multiplex Circuits	804-340-151	1	(J68450) — Transmitter-Receiver Bay and Transmitter-Receiver Support Bay Modules — AR6A Single-Sideband Radio
804-334-183	1	J68422C and J68422E Frequency Diplexed Auxiliary Channel System — Modulating/Demodulating Circuits	804-340-152	1	(J68454) — Test Equipment — Transmitter- Receiver Bay and Transmitter-Receiver Support Bay
804-334-184	1	Frequency Diplexed Auxiliary Channel Switching System — Repeater Station	<b>804-6 Carrier</b>		
804-334-185	1	TH-3 Medium Haul Radio	<b>Miscellaneous Equipments</b>		
804-334-186	1	Frequency Diplexed Auxiliary Channel	804-601-150	4	(J68738) — Carrier Drainage Coil Equipment
<b>TJ Radio</b>			804-601-151	8	(J68746) — Miscellaneous Equipment for Main and Auxiliary Stations
<b>Specifications</b>					
<b>Addendum</b>					
804-336-151	3	(J68371) — Transmitter-Receiver Bay			
804-336-152	3	(J68372) — Transmitter-Receiver Units			

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Number	Issue	Subject	Number	Issue	Subject
804-601-152	3	(J68876) — Restoration Patch Bays	804-603-181	1	TD Radio Wire Line Entrance Link Per SD-59459-02 for Cable Lengths Less than 2700 Feet
804-601-180	4	A1 and C1 Carrier Program Terminals and Connections to Group Circuits	804-603-182	1	TD Radio Wire Line Entrance Link Per SD-59494-01 for Cable Lengths Exceeding 7.9 Miles
804-601-181	5	Two Channel Bank Type EB	804-603-183	1	TD Radio Wire Link Entrance Link Per SD-59527-01 for Cable Lengths between 2400 Feet and 7.9 Miles
804-602-150	10	(J68733) — Broadband Carrier Telephone — 12-Channel Bank Equipment Type A1 (For "J", "K", and "L" Systems) — Group Terminal Equipment (For K1 Systems)	804-603-184	1	TD Radio Wire Line Entrance Link Per SD-59527-02 for Cable Lengths between 2400 Feet and 7.9 Miles
804-602-151	10	(J68775) — Broadband Carrier Telephone — Carrier and Pilot Supply Panels	804-604-150	2	(J68909) — Primary Frequency Supply — Distribution
804-602-152	5	(J68787) — Broadband Carrier Telephone Equipment — Type C1 or A1 (5- or 8-KC) or B1 (15-KC) or K Carrier Line Bridges — Carrier Program Transmission	804-604-151	2	(J68911) — 64-KHz Independent Pilot Supply and Distribution Circuit
804-602-153	1	(J68790) — Broadband Carrier Telephone — A1 Transmission Alarm Equipment	804-604-180	2	J68909 Distribution Buses for the Primary Frequency Supply Used with Carrier Telephone Systems
804-602-154	6	(J68799) — Broadband Carrier Telephone — Group Connectors and L1 Carrier Supergroup Connectors	Addendum	1	
804-602-155	5	(J68805) — H.F. Broadband Carrier Terminal — Group Branching and Bridging Equipment for 5 or 8 KC Carrier Program Transmission	804-604-181	2	Performance Requirements — Independent 64- and 512-kHz Pilot Supplies and Distribution Circuit
804-602-156	5	(J68832) — Broadband, C, H, N, and O Carrier Telephone — Voice-Frequency Channel Patch Bay Equipment	804-604-182	1	64-KHz Preamplifier and Distribution Circuit
804-332-183	1	J68386G and H Transmitter-Receiver Bays			
804-603-150	2	(J68833) — TD Radio — Types A, B, and C Wire Line Entrance Links and TJ Radio — Type A Wire Line Entrance Link			
804-603-152	4	(J68874) — Solid-State Wire-Line Entrance Links for Connection of L-Type Multiplex to Microwave Radio Systems			
804-603-153	3	(J68903) — Microwave Radio — 3 Wire-Line Entrance Link Equipment			
804-603-180	2	TD Radio Wire Line Entrance Link Per SD-59459-01 for Cable Lengths Less than 2400 Feet			
			<b>K1 Carrier</b>		
			<b>Specifications</b>		
			804-624-150	6	(J68740) — Twist, Transmitting, Test, Program Transmitting or Auxiliary Switching Amplifier Panel; Auxiliary Receiving Amplifier Panel; Bulge and Slope Network Panel; and Associated Equipment
			804-624-151	4	(J68741) — 12-60 KC Line Amplifier for Use with 19 Gauge Non-Loaded Cable Circuits
			804-624-152	7	(J68745) — Crosstalk Balancing Equipment
			804-624-153	9	(J68773) — Type "K" and "L" Carrier Telephone — Carrier and Pilot Supply Bays
			804-624-154	3	(J68776) — Transmission Regulation — Pilot Channel Control and Gain Deviation Limiter Equipment

Number	Issue	Subject	Number	Issue	Subject
804-624-155	4	(J68778) — Type K and L Carrier Telephone — Amplifier-Rectifier Panels	804-626-152	7	(J68782) — Regular and Portable Line Amplifier and Associated Equalizer Equipment
804-624-156	3	(J68785) — Alarm Signal and Twenty Cycle Repeater and Associated Trunk Equipment	804-626-153	4	(J68786) — Common Grid Battery Supply Equipment
804-624-157	2	(J68795) — Line Building Out Equipment	804-626-154	6	(J68783) — Twist Amplifier Equipment
<b>Performance Requirements</b>			804-626-155	3	(J68788) — Carrier Line Switching and Test Pilot Supply Equipment
804-624-180	7	Terminal	804-626-156	6	(J68792) — Individual Alarm, Alarm Trunk, and Alarm Trunk Signaling Units
804-624-181	9	Line and Twist Amplifiers and Associated Equipment	804-626-157	4	(J68793) — K1-K2 Junction Amplifier, and Auxiliary Amplifier for Use in Tandem With Twist Amplifier
804-624-182	3	Line and Amplifier Switching Equipment	<b>Performance Requirements</b>		
804-624-183	3	Deviation Regulator for Repeaters and Receiving Terminals	804-626-180	9	Terminal
804-624-184	1	Double Sideband Program Terminal	804-626-181	4	Line Amplifiers and Associated Equipment
804-624-185	1	Connecting Circuit — K1 and K2 Carrier Telephone	804-626-182	4	Twist Amplifiers and Associated Equipment
804-624-186	1	Manual Deviation Regulator — K1 Carrier Telephone	804-626-183	3	Line Switching Equipment
804-624-187	3	Carrier Program Through and End Branching Circuits Using A1A, A1B, A1BS, C1A, C1B and C1BS Carrier Line Bridges	804-626-184	4	Test Pilot Supply Equipment
804-624-188	2	A1CC, C1CC, and C1CT Carrier Program Line Bridges Using Single-Terminal Bridge with Receiving Selector Circuit	<b>L Carrier</b>		
804-624-189	6	42A Transmission Measuring System	<b>Specifications</b>		
804-625-180	5	A1 and C1 Carrier Program Terminals Associated with Channel Banks — K and L1 Carrier Telephone	804-627-150	8	(J68774) — Terminal Panels
804-625-181	11	Carrier and Pilot Supply for K and L1 Carrier Telephone Systems	804-627-151	9	(J68768) — Repeater Panel Equipment
804-625-182	1	B1 Carrier Program Terminal — K and L1 Carrier Telephone	804-627-152	9	(J68770) — Repeater Bay Equipment
<b>K2 Carrier</b>			804-627-153	10	(J68772) — Group and Supergroup Terminal Bays
<b>Specifications</b>			804-627-154	5	(J68801) — Supergroup Blocking Equipment
804-626-150	1	(J68844) — Equipment in Main Repeater and Terminal Stations	804-627-155	5	(J68791) — Equipment for Auxiliary and Equalizing Auxiliary Repeater Stations
804-626-151	6	(J68784) — Group Terminal Equipment	804-627-156	9	(J68769) — Miscellaneous Maintenance and Testing Equipment
			804-627-157	3	(J68796) — Miscellaneous Equipment
			804-627-159	2	(J68937) — Order Wire Bay
			804-627-160	1	(J68942) — Synchronization Distribution

Number	Issue	Subject	Number	Issue	Subject
<b>Performance Requirements</b>			804-628-189	3	C2 (Receiving) Television Terminal
804-627-180	1	J68798 Regulator Repair and Repeater Test Equipment	804-628-190	3	C3 Receiving Television Terminal — Using Automatic Switch SD-59704-01
804-627-181	1	J68798B Modulation Test Set			
<b>L1 Carrier</b>			<b>L3 Carrier</b>		
<b>Specifications</b>			<b>Specifications</b>		
804-628-150	2	(J68789) — Application Specification	804-629-150	4	(J68829) — L3 Supergroup Bank — L3 Master Group Bank — Associated Carrier Supplies and High-Frequency Patching Equipment
804-628-151	6	(J68771) — High-Frequency Switch Equipment	804-629-151	4	(J68828) — Carrier and Pilot Supply — Equipment
804-628-152	3	(J68797) — Terminal Test Oscillator Bay	804-629-152	2	(J68822) — Pilot Indicator Panel and Pilot Alarm Unit
804-628-153	4	(J68798) — Maintenance Center Equipment	804-629-153	3	(J68816) — Amplifiers
804-628-154	2	(J68806) — Regulators	804-629-154	4	(J68817) — Regulators
804-628-155	1	(J68808) — Line Amplifiers	804-629-155	4	(J68821) — Filament and Bias Supply
804-628-157	3	(J68807) — Television Line Equipment	804-629-156	5	(J68836) — Gain Equalizer and Computers
804-628-158	1	(J68825) — Repeater Activity Test Set	804-629-157	5	(J68820) — L3 or L4 Carrier — Automatic Line Switching
804-628-159	6	(J64053) — 53A Mobile Oscillator for Use	804-629-158	4	(J68818) — Transmission Panel — Equipment
<b>Performance Requirements</b>			Addendum	1	
804-628-180	5	12-Channel Bank Type A4 and Type A5 when Used With L1 and L3 Carrier Telephone	804-629-159	5	(J68830) — Main Repeaters
804-628-181	6	Amplifiers, Regulators, and Auxiliary Repeater Equipment	804-629-160	4	(J68823) — Main and Equalizing Auxiliary Repeaters — Cable Terminating Panels — Equipment
804-628-182	6	Main and Terminal Repeater Equipment	804-629-161	7	(J68819) — Auxiliary and Equalizing — Auxiliary Repeaters
804-628-183	1	J68798C Vacuum Tube Test Set Equipment	804-629-162	6	(J68815) — L3 Carrier-Power Supply Equipment Units for Use at Repeaters Operating on Power Received Over Coaxial Cable
804-628-184	2	Carrier Program Terminal Associated With B2 and C2 Television Terminals	804-629-163	3	(J68837) — Transmission Measuring — Cosine Equalizer Adjustment Set
804-628-185	5	Group Branching and Bridging Circuits and 5 KC Program Bypass Circuits for Use With Carrier Program Transmission	804-629-164	5	(J68827) — Testing Equipment
804-628-186	5	Television Branch, Terminal Line, and Dropping Circuits	804-629-165	1	(J68869) — Phase Difference Measuring Set
804-628-187	3	B2 (Transmitting) Television Terminal	804-629-166	6	(J68835) — Amplifier and Regulator Test Set
804-628-188	2	B3 Transmitting Television Terminal Using Automatic Switch SD-59704-01			

Number	Issue	Subject	Number	Issue	Subject
804-629-167	2	(J68839) — Thermistor Control Sets for Testing and Maintenance	<b>L5 Carrier</b>		
<b>Performance Requirements</b>			<b>Specifications</b>		
804-629-180	3	L3 Carrier Telephone Terminal — Submaster and Master Group Equipment	804-631-150	2	(J68923) - Main Station Line Equipment — Test Stand and Warm-Up Rack ED-51487
804-629-181	6	L3 Carrier Telephone Terminal — Carrier and Pilot Supply Equipment (Including Installations Having Only Emergency Pilot Supply Equipment)	804-631-151	2	(J68919) — L5/L5E Carrier System
804-629-182	3	Amplifier and Regulator Test Circuit	804-631-152	3	(J68934) — Jumbogroup Frequency Supply — JMX/L5 Carrier or MMGT-C/L5E Carrier
804-629-183	3	Automatic Line Switching for L3 and L4 Carrier	804-631-153	2	(J68922) — L5/L5E Carrier — Transmission Surveillance System
804-629-184	1	Equalizing, Switching, and Terminal Main Repeater Equipment	804-631-154	3	(J68921) — L5/L5E Carrier — Line Protection Switching System (LPSS-3)
804-629-185	1	Transmission Bay and Television Dropping Bay at Equalizing Auxiliary Repeaters	<b>Addendum</b>		
<b>L4 Carrier</b>			804-631-155	1	(J68936) — L5 Carrier — Equalizer Adjustment Unit
<b>Specifications</b>			804-631-156	2	(J68931) — Basic Jumbogroup Trunk Bay
804-630-150	5	(J68877) — Carrier Telephone — L4 Coaxial System	804-631-157	1	(J68920) — Jumbogroup Multiplex (JMX) Terminal for L5 Coaxial Systems
Addendum	1		804-631-158	3	(J68938) — Restoration Trunk Bay for JMX- L5 Systems or L5E Systems
804-630-151	4	(J68882) — Mastergroup Multiplex 2 (MMX-2) Terminal — MMX-2C for L4 Coaxial Systems — MMX-2R for TH-( ), TD-( ), and TD-3 Radio Systems	804-631-159	1	(J68940) — Bell System Reference Frequency Standard
Addendum	1		<b>Addendum</b>		
804-630-152	2	(J68895) — L4 Remote Control Center and Loop-Back Equipment	804-631-160	2	(J68955) — Multimastergroup Translator for Cable Systems (MMGT-C)
804-630-153	2	(J68906) — Repeater Test Set and L4S Repeater Test Stand	804-631-161	1	(J68958) — L5/L5E Carrier — Equipment Design Requirements — Toll Systems
<b>Time Assignment Speech Interpolation (TASI)</b>			<b>Submarine Cable — Terminal</b>		
Addendum	2		❶ 804-637-150	3	(J68900) — SF Submarine Cable System — Terminal Stations
804-630-154	1	(J68918) — Supergroup Distributing Terminals	❶ 804-637-151	5	(J68901) — SF Submarine Cable — Terminal Transmission Bays — Terminal Station
❶ 804-630-155	2	L Carrier Mastergroup — Digital Terminal Equipment (LMD)	Addendum	1	
804-630-156	3	(J68953) — Mastergroup Translator Equipment	❶ 804-637-152	4	(J68892) — SF Submarine Cable — High-Frequency Line, Order Wire, and Associated Equipment — Terminal Station

Number	Issue	Subject
① 804-637-153	5	(J68893) — SF Submarine Cable System — Multiplex and Carrier Supply Equipment — Terminal Station
① 804-637-157	1	(J64733) — SF Submarine Cable — Cable Laying Test Set
① 804-637-158	2	(J68917) — Repeater Locating Test Set — SD and SF Submarine Cable
① 804-637-164	1	(J64734) — SG Submarine Cable System SG/SF Cable Laying Test Set
① 804-637-165	1	(J68939) — Repeater Monitoring Set — SF and SG Submarine Cable
① 804-637-166	1	(J64735) — Transportable Transmission Measuring Set for Installation of SG Cable Shore Ends
① 804-637-167	1	(J68943) — SG Submarine Cable System — SG/SF Data Translator Cabinet
① 804-637-168	1	(J68944) — SG Submarine Cable — SG High Frequency Line for SG Submarine Cable Installation
① 804-637-169	1	(J68945) — SG Submarine Cable System — General Purpose Test Equipment Cabinet
① 804-637-170	1	(J68946) — SG Submarine Cable — Terminal Station Power Separation Filter
① 804-637-173	1	(J68949) — SG Submarine Cable — Shipboard Portable Test Load for Testing SG Shipboard Power Feed Equipment
① 804-638-159	2	(J68860) — SD Submarine Cable System
① 804-638-162	1	(J68950) — SG Submarine Cable Medium Voltage Power Feed Equipment for Installation of SG Cable Shore Ends

**TASI**

Addendum	1	
① 804-639-154	1	(J68905) — Terminal Bays and Associated Equipment — TASI B Switching System
Addendum	1	
① 804-639-155	1	(J68925) — Circuit Pack Test Set and Associated Equipment — TASI B Switching System

Number	Issue	Subject
① 804-639-160	1	TASI-E System Frame — Equipment Description
① 804-639-181	2	(J68963A) — TASI-E International Time Assignment Speech Interpolator Type E — Performance Requirements

**L Type Multiplex****Specifications**

804-640-150	4	(J68858) — Carrier Telephone Addendum
804-640-151	4	(J68853) — A5 Channel Bank Equipment
804-640-152	4	(J68857) — Carrier and Pilot Supply
804-640-153	2	(J68872) — 64-KC Pilot Monitor Addendum
804-640-154	1	(J68929) — A6 Channel Bank Equipment
804-640-155	2	(J68867) — L60A and L120A — Multiplex Terminal
804-640-156	3	(J68868) — LWM-1, LWM-3, LWM-4 Wideband Modems, LWA-1 Alternate Use Panel
804-640-157	2	(J68880) — LWM-5 and LWM-6 Wideband Modems
804-640-158	2	(J68863) — Basic Message Connecting Link for Connection of TL Radio
804-640-159	2	(J68856) — Basic Message — Connecting Link for Connection for L-Type Multiplex to TJ or TL Radio
804-640-160	1	(J68930) — Group Distribution and Trunks
804-640-166	1	(J68959) — Alarm Trunk Release and Make-Busy Equipment — For Use With E-Type or Single Module F Type — E and M Single Frequency Signaling and A5/A6 and N2/N3 Channel Banks

**Performance Requirements**

804-640-180	8	Carrier Telephone Terminal — Channel, Group, and Super-group Equipment
804-640-181	6	J68857 Carrier and Pilot Supply



Number	Issue	Subject	Number	Issue	Subject
804-640-182	2	J68857AC Primary Frequency Generator — Carrier Telephone	Addendum	2	
804-640-183	1	J68857AD 308- to 64-KHz Synchronizing Frequency Converter Carrier Telephone	804-910-151	12	(J64001) — 1-Type Panels, Units, and Portable Test Sets for Transmission Measuring
804-640-184	4	J68872A 64-KC Line Pilot Monitor Equipment	804-910-154	4	(J64005) — Test Sets — Transmission Measuring
804-640-185	6	LMX-2 Transmitting and Receiving Bay Equipment	804-910-156	2	(J64009) — Transmission Measuring 9A Video Distortion Meter — Low Frequency for Use With TV Video Circuits
804-640-186	1	LMX-2 C2B and C2C Transmitting and C2B and C2C Receiving Supergroup Bank Circuits	804-910-157	2	(J64011) — 11A and 11C Lookators and 11B Lookator Calibrator
804-640-187	2	J68867 — L60A and L120A Terminals	804-910-162	2	(J64034) — 34A Transmission Measuring Set
804-640-188	3	Basic Message Connecting Link for Connection of L-Type Multiplex to TJ or TL Radio	804-910-165	5	(J64037) — 37-Type Transmission Measuring Sets
804-640-189	2	Basic Type A Wire-Line Entrance Link for Connection of L-Type Multiplex to Short Haul Radio Systems	804-910-168	4	(J64044) — 44A Transmission Measuring System for Transmission Measuring
804-640-190	2	Type A Wire-Line Entrance Link Connection of L-Type Multiplex to TD-2 Radio Equipped With FM Terminal Protection — Switching System	804-910-180	2	41B Transmission Measuring System
804-640-191	2	Type B Wire-Line Entrance Link Transmission Circuit for Connection of L-Type Multiplex to TD-2 Radio — Equipped with FM Terminal Protection — Switching System	804-910-181	2	40B Transmission Measuring System
804-640-192	3	L-Type Multiplex-Broadband Restoration Pilot Supply, Service Restoration Pilot Detector, Detector Calibration Circuit, and 92-/468-KHz Supply for Restoration	804-910-182	5	43A Noise Measuring Systems for Use at Testboards and Voice Frequency Patching Bays
804-640-193	1	LWM-1 Wideband Modem	804-911-153	4	(J64070) — 70-Type Power Meters for Transmission Measuring
804-640-194	1	LWA-1 Alternate Use Panel	804-911-154	2	(J64072) — 72A Frequency Meter
804-640-195	1	LWM-2 Wideband Modem	804-911-155	5	(J64730) — No. 2B Signaling Test Set
804-640-196	2	LWM-3 Wideband Modem and LWM-4 Wideband Modem	804-911-157	4	(J64090) — 90-Type Carrier Frequency Test Equipment — Transmission Measuring
804-640-197	2	LWM-5 Wideband Modem	804-911-158	2	(J64074) — 74A Wideband Power Meter
804-640-198	1	LWM-6 Wideband Modem	804-911-159	1	(J64049) — 49A L-Multiplex Measuring System
			804-911-160	4	(J64091) — 91-Type Carrier Frequency Measuring System — Transmission Measuring
			804-911-163	4	(J64704) — Control Test Set — Signaling Testing and Maintenance Circuits
			804-911-180	1	Performance Requirements for J64092A — Carrier Transmission Maintenance System
<b>804-9 Test Equipment</b>					
804-910-150	6	(J94710) — Trunk Test Set (Box Types) — Toll and Step-by-Step Systems (Also numbered 814-637-151)			

**Division 806**

**Equipment Design and General Requirements and Engineering Information — Radio Systems and Television Systems**

**806-0 Index**

**806-1 Radio Systems**

**806-3 Television Systems**

Number	Issue	Subject
806-107-150	2	(J41622) - Field Applications of TE-1 and TE-2 Radio
806-107-151	5	(J41608) - Type TE-T1 Radio Transmitter
806-107-180	2	Performance Requirements — TE Radio System
806-107-181	1	Performance Requirements — Type TE-A1 Radio Amplifier
806-140-150	2	(J41643) - Transmitter Trunk Terminating Unit — Personal Signaling Service
806-140-152	1	(J41647) - 150-Megahertz Bellboy — Personal Radio Services
806-140-153	5	(J99281) - J1 Control Terminal Frames and Units — 150-Megahertz Bellboy — Personal Radio Services
806-140-180	2	Performance Requirements — J99281S — Transmitter Control and Tone Supply Bay — J1 Control Terminal
806-157-150	4	(J41644) - MJ and MK Mobile Radio Telephone System — Large System Equipment Units
806-157-151	2	(J41648) - Air Time Circuit — MJ and MK Mobile Telephone Systems
Addendum	1	
806-157-181	2	MJ and MK Mobile Radio Telephone Systems — Performance Requirements — Large System Control Terminal
806-158-150	5	(J41645) — MJ and MK Mobile Radio Telephone Systems — Small System Equipment Units
806-158-151	1	(J41646) - Remote Signaling Circuit — MJ Mobile Radio Telephone Systems
Addendum	1	
806-158-180	2	MJ and MK Mobile Radio Telephone Systems — Performance Requirements — Small System Control Terminal
806-159-151	1	Advanced Mobile Phone System (AMPS) — Cell Site Equipment — Equipment Description

**Number Issue Subject**

**806-0 Index**

806-000-000	17	Numerical Index — Division 806 — Equipment Design and General Equipment Requirements and Engineering Information — Radio Systems and Television Systems
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**806-1 Radio Systems**

806-101-180	1	Performance Requirements — BO-39NS Base Station — Radio Transmitter
806-101-181	1	Performance Requirements — BO-42NA Base Station — Transmit-Receive Set
806-101-183	1	Performance Requirements — Type LE-T1 Radio Transmitter
806-101-184	2	Performance Requirements — Type LE-R1 Radio Receiver
806-106-151	5	(J41611) - LD-T2 Radio Transmitter
806-106-181	3	Performance Requirements — Type LD-T2 Radio Transmitter — 4 to 23 MC
806-106-182	2	Performance Requirements — Type LD-T2 Radio Transmitter — 4.5 to 28
806-106-183	2	Performance Requirements — Type LD-R1 Radio Receiver
806-106-184	1	Performance Requirements — Type LD-B1 Branching Amplifier

Number	Issue	Subject	Number	Issue	Subject
<b>806-3 Television Systems</b>			806-316-180	2	Performance Requirements — A2B Video Transmission System
806-301-180	2	Performance Requirements — Balanced Clamper	806-317-150	3	(J44107) - Video Transmission — Switching, Interconnecting, Monitoring, and Testing Equipment For Use at Television Operating Centers
806-301-181	3	Performance Requirements — 1B Clamper Amplifier	806-317-180	1	Performance Requirements — J44107 Television Operating Center — Alignment of Interconnecting Circuits
806-301-182	2	Performance Requirements — Video Distribution Amplifier per SD-42010-01	806-317-181	1	Performance Requirements — J44107 Television Operating Center — Video Switch
806-301-183	2	Performance Requirements — Video Distribution Amplifier per SD-42019-01	806-317-182	1	Performance Requirements — J44107 Television Operating Center — 10x12 or Smaller Video Switch
806-301-184	1	Performance Requirements — 1x3 Splitting Amplifier	806-317-183	1	Performance Requirements — J44107 Television Operating Center — Large Office Test Position Connecting Circuits
806-301-185	3	Performance Requirements — A2 Video Amplifier Equipment	806-317-184	1	Performance Requirements — J44107 Television Operating Center — Test and Monitor Circuits
806-311-150	5	(J44101) - Video Transmission — Terminal Equipment	806-318-150	1	(J44108) - A2AT Video Transmission System — Terminal and Repeater Equipment
806-312-150	6	(J44102) - Video Transmission — Television Operating Center	806-319-150	5	(J44109) - A4 Video Transmission System
806-313-150	1	(J44103) - Video Transmission — Miscellaneous Monitoring Equipment	806-320-150	1	(J44110) - Television Facility Test Position — Application Specification
806-314-150	2	(J44104) - L3 Carrier Telephone — T3 and R3 Television Terminals	806-325-001	1	(J44111) Digital Television Lightwave System — DTLS Transmitter and Receiver
806-314-180	2	Performance Requirements — T3 Transmitting Television Terminal			
806-314-181	2	Performance Requirements — R3 Receiving Television Terminal			
806-315-150	5	(J44105) - A2A Video Transmission System — Terminal and Repeater Equipment			
806-315-180	2	Performance Requirements — A2A Video Transmission System			
806-316-150	2	(J44106) - A2B Video Transmission System — Terminal and Repeater Equipment			

**Division 807****Equipment Design and General Requirements and Engineering Information — Data Systems****807-0 Indexes, General Information, and Miscellaneous Equipments****807-1 Repeater and Carrier Equipments****807-2 Telegraph and Teletypewriter Switchboards and Teletypewriter Subscriber Sets****807-3 Teletypewriter Switching Units****807-4 Telegraph Serviceboards, Testboards, and Test Equipments****807-5 Station Equipment and Data Sets****807-6 Digital Data Equipment****807-7 Data Network Systems**

Number	Issue	Subject
807-009-150	5	(J70102) - 144-Type Coupling Units
807-011-150	2	(J70042) - 151A1 Teletypewriter Resistance Unit
Addendum	1	
807-012-150	6	(J70144) - Miscellaneous Equipment Units — Dialed Teletypewriter Exchange
Addendum	1	
807-012-155	1	(J70153) - Electronic Units and Electronic Drawer Assemblies — For the Data Converter Unit, — Test Sentence Generator Unit, — Instruction Word Generator Unit, — Supervisor or Service Assistance Desk, — 119E1 Signal Distortion Generator Unit, — 5A Automatic Data Test Line Unit, — And Data Signal Distortion Measuring Unit
Addendum	1	
807-012-160	6	(J70148) - Printed Card Electronic Units — For Dial Teletypewriter Exchange Service
Addendum	1	
807-014-150	2	(J70154) - Junctor-Converter Trunk Unit — Fuse and Alarm Unit — Modem Tuned Circuit Unit and Amplifier Unit
807-014-180	1	Performance Requirements — For Data Converter Junctor Trunk
807-015-181	1	Performance Requirements — 101B TTY Concentrating Unit
807-017-150	3	(J70165) - Mounting and Connecting Units — Central Office Data Sets

Number	Issue	Subject
<b>807-0 Indexes, General Information, and Miscellaneous Equipments</b>		
<b>Indexes</b>		
807-000-000	66	Numerical Index — Division 807 — Equipment Design and General Equipment Requirements and Engineering Information — Data Systems
<b>General Information and Miscellaneous Equipments</b>		
807-004-150	1	(J63005) - Maintenance Alarm Equipment
Addendum	1	
807-005-155	2	(J70115) - 71A1 Level Compensator — For Telephotograph Systems
807-005-181	2	Performance Requirements — 71A1 Telephotograph Level Compensator
807-006-150	1	(J70161) - Selector Magnet Driver Unit — Using a 315A Mercury Relay
807-006-155	6	(J70013) - Wave Shaping Sets — For Telegraph Subscriber Lines — Station Equipment

**807-1 Repeater and Carrier Equipments****Repeater Equipments**

807-101-180	1	Performance Requirements — 10E1 Single-Line Telegraph Repeater
807-101-182	1	Performance Requirements — 10F2 Loop Repeater
807-101-183	1	Performance Requirements — 10G1 Loop Repeater
807-102-153	6	(J70107) - 13G1 One-Way Repeater

Number	Issue	Subject	Number	Issue	Subject
807-102-183	1	Performance Requirements — 13G1 Telegraph Repeater	<b>Carrier Equipments</b>		
807-103-190	2	Performance Requirements — 16B1 Telegraph Repeater	807-160-185	1	Performance Requirements — Voice Frequency Carrier Tele- graph — Frequency Indicator — Modified Per J68721, X- 63075, or X-63295 — For No Input Alarm and Auxiliary Grid Supply Equipment
807-103-191	1	Performance Requirements — 16C1 Terminal Repeater With Balanced-Loop Applique — Operating With a Telegraph Testboard	807-160-190	2	Performance Requirements — Grid Potential Supply Circuits — Carrier Telegraph Equipment
807-103-192	1	Performance Requirements — 16C1 Terminal Repeater Operat- ing With a No. 2 or 9B Service- board	Addendum	2	
807-104-180	1	Performance Requirements — 17A1 Telegraph Repeater	807-170-160	10	(J70112) - 43A1 Carrier Tele- graph System — Channel Termi- nal Unit and Associated Equip- ment
807-105-181	1	Performance Requirements — Metallic Telegraph Repeaters and Associated Circuits	807-170-161	5	(J70169) - 43B1 Voice Frequen- cy Carrier and Associated Equip- ment
807-107-150	6	(J70048) - 90A2, 90B1, 90B2, and 90C1 Loop Repeaters	807-170-184	4	Performance Requirements — 40C1 Carrier Telegraph Terminal
807-107-180	2	Performance Requirements — 90A1 and 90A2 Loop Repeaters	807-170-185	2	Performance Requirements — 40C2 Carrier Telegraph Terminal
807-107-181	1	Performance Requirements — 90C1 Loop Repeater	807-170-190	4	Performance Requirements — 43A1 Carrier Telegraph Terminal
807-107-182	2	Performance Requirements — 91A1 Concentration Group Re- peater	807-170-191	2	Performance Requirements — 43A1 Carrier Telegraph — 2- Wire Carrier Repeater
807-108-160	4	(J70103) - 96A1 Loop Repeater	807-176-180	4	Performance Requirements — 140A1 Carrier Supply
807-110-180	2	Performance Requirements — 106A1 and 106C1 Regenerative Repeaters	Addendum	1	
807-113-180	2	Performance Requirements — 143A1 and 143A2 Telegraph Re- generative Repeaters	807-180-150	2	(J70152) - B1 Data Carrier Ter- minal
Addendum	1		807-180-181	1	Performance Requirements — B1 Data Carrier Terminal
807-114-150	3	(J70164) - 145A1 Regenerative Repeater Units	<b>807-2 Telegraph and Teletypewriter Switchboards and Teletypewriter Subscriber Sets</b>		
807-125-150	2	(J70159) - WLR-1 and WLR-2 — Wideband Loop Repeaters	<b>Telegraph Switchboards</b>		
807-125-151	2	(J70163) - WLR-3 Wideband Loop Repeater	Addendum	1	
807-125-152	2	(J70171) - WLR-4 and WLR-5 — Wideband Loop Repeater	807-201-150	1	(J70094) - 63B2 Telegraph Loop Switchboard
807-126-150	1	(J70168) - Wideband Service Bays and Associated Equipment	807-201-153	3	(J70005) - 63C1 Telegraph Loop Switchboard
			<b>Teletypewriter Switchboards</b>		
			807-206-180	1	Performance Requirements — 6A Teletypewriter Switchboard

Number	Issue	Subject
<b>Teletypewriter Subscriber Sets</b>		
807-252-153	5	(J70127) - 130C1 Teletypewriter Subscriber Set
<b>807-3 Teletypewriter Switching Units</b>		
807-305-180	3	Performance Requirements — 81C1
807-305-186	3	Performance Requirements — 81D1
Addendum	1	
807-308-150	2	(J70158) - 83B3 Teletypewriter Selective Calling System or No. 1 Electronic Switching Systems ADF — Half-Duplex Operation

**807-4 Telegraph Serviceboards, Testboards, and Test Equipments**

**Telegraph Serviceboards**

Addendum	2	
807-401-152	5	(J70091) - No. 2 Telegraph Serviceboard
807-401-153	3	(J70173) - Type 3 Low Voltage Hub
807-401-160	7	(J70100) - Relay Rack Units — For 2 and 9B Telegraph Serviceboards
807-401-161	3	(J70162) - 110E1 Multiple Sender Equipment — For Use With No. 2 and 9B Telegraph Serviceboards
807-401-162	3	(J70104) - Negative 330-Volt Supply — For No. 2 and 9B Telegraph Serviceboards
807-401-182	1	Performance Requirements — No. 2 Telegraph Serviceboard
807-401-191	1	Performance Requirements — Station Monitoring Test Line Circuit SD-70925-01 — No. 2 or 9B Telegraph Serviceboard — No. 9 Telegraph Testboard
Addendum	3	
807-402-150	6	(J70099) - No. 9B Telegraph Serviceboard
807-402-180	1	Performance Requirements — No. 9B Telegraph Serviceboard

Number	Issue	Subject
<b>Telegraph Testboards</b>		
807-409-150	7	(J63513) - Miscellaneous Panels and Units — For Use With Toll and Telegraph Testboards
Addendum	1	
807-411-152	3	(J70150) - 10A and 10B Telegraph Testboard — Test Position and Relay Unit Equipment
Addendum	1	
807-411-155	1	(J70160) - 10C Telegraph Testboard
807-411-181	1	Performance Requirements — 10A Telegraph Testboard
807-411-182	1	Performance Requirements — 10B Telegraph Testboard
807-411-185	1	Performance Requirements — 10C Telegraph Testboard

**Test Equipments**

807-416-181	4	Performance Requirements — 111A2 Polar Relay Test Circuit
Addendum	1	
807-417-150	1	(J70155) - Central Office Interim Test Wagon — For Use With 3-Row — 4-Row Data Converter
Addendum	1	
807-418-151	1	(J79906) - Data Distortion Test Equipment
807-418-180	1	Performance Requirements — Automatic Test Line Circuit
807-418-181	1	Performance Requirements — Automatic Data Test Line No. 5A
807-418-182	3	Performance Requirements — 906A Data Distortion Test Equipment
Addendum	1	
807-421-150	2	(J70175) - Voice Frequency — Line Test Connector Bay — Line and Test Bay — Auxiliary Line Bay — No. 2 and 9B Serviceboards
807-421-181	1	Performance Requirements for VF Line Test Connector — Data Systems
807-426-180	2	Performance Requirements — 110C1 Multiple Sender Circuit
807-427-181	2	Performance Requirements — 117B1 and Modified 117A1 Telegraph Stability Test Sets

Number	Issue	Subject	Number	Issue	Subject
807-428-182	2	Performance Requirements — 119C1 Signal Distorting Set	<b>807-5 Station Equipment and Data Sets</b>		
Addendum	1		<b>Station Equipment</b>		
807-434-161	5	(J70098) - 165B1 Test Set — For Testing 144-Type Coupling Units and 96A1 Loop Repeaters	Addendum	1	
Addendum	1		807-505-151	1	(J70170) - Control Circuits for No. 1 ESS™ ADF — Intercept/Retrieval or Primary Maintenance — 3-Row, 28-Type Teletypewriter Stations
807-434-162	5	(J70120) - 165C1 Test Sets — For Testing 43A1 Carrier Channel Terminals	Addendum	1	
Addendum	1		807-505-155	2	(J1D815) - 815-Type Controller Units — Station
807-460-165	13	(J79904) - 904 Data Test Center — For Remote Data Set Testing	Addendum	1	
807-460-194	8	Performance Requirements — 904A, B, C, and D Data Test Centers	807-506-150	2	(J70147) - Semi-Automatic — DATAPHONE® Data Station Equipment
807-460-196	1	Performance Requirements for 904F, K Data Test Center	<b>Data Sets</b>		
807-460-197	1	Performance Requirements for No. 904G or 904H — Data Test Center	Addendum	2	
Addendum	1		807-515-151	4	(J1D101) - 101-Type — For Dial Teletypewriter — Exchange and DATAPHONE Service
807-461-165	1	(J79908) - 908A Logic Circuit Test Set	807-518-150	1	(J1D201) - 201A — DATA-PHONE Service — Transmitter-Receiver
Addendum	1		807-521-150	1	(J1D301) - 301 Type — Transmitter- Receiver
807-462-150	1	(J79909) - 909A Test Oscillator Panel	<b>807-6 Digital Data Equipment</b>		
807-462-152	6	(J79911) - 911-Type Data Test Sets — For Generating Test Sentences and Measuring Distortion	807-601-150	2	(J70176) - 950-Type Testboard — DSX-0 Cross-Connect and Test Sets
807-462-165	3	(J79912) - 912-Type Wideband Data Test Set	807-601-180	1	Performance Requirements for 950-Type Testboard
Addendum	1		807-610-150	1	(J70177) — Transmission Facility Terminal Units, Multipoint Junction, Timing, and Miscellaneous Units
807-462-167	2	(J79914) - 914-Type Data Test Sets for Testing Digital and Analog Data Sets	807-610-181	1	Performance Requirements for Digital Data System — Five-Volt Power Supply Shelf — Substrate Data Multiplexer and Substrate Data Multiplexer Performance Monitor
807-463-150	5	(J79915) - 915 Wideband Data Test Bay	807-610-182	1	Performance Requirements for Digital Data System — Secondary Timing Supply
807-463-180	4	Performance Requirements — For the 915A or 915B — Wideband Data Test Bay	807-610-183	1	Performance Requirements for T1 Data Multiplexer (J70177AD, AE, AG)
807-464-150	2	(J79918) - 918-Type Multispeed and Code Converter			
Addendum	1				
807-464-156	3	(J79921) - 921A Data Test Set			
807-464-186	2	Performance Requirements for No. 918 Type — Multispeed and Code Converter (J79918)			

Number	Issue	Subject	Number	Issue	Subject
807-610-185	1	Performance Requirements — Nodal Timing Supply	807-620-181	1	Performance Requirements for Switched Digital Data System — Central Office — Digital Line Unit Used With the 758C Switching System
807-610-186	1	Performance Requirements for Digital Data System — Local Timing Supply	807-620-182	1	Performance Requirements — Central Office — Digital Register-Sender Circuit Used With the 758C Switching System
807-610-187	1	Performance Requirements — Bay Clock, Power, and Alarms Circuit — Data Systems	807-620-183	1	Performance Requirements — Central Office — Digital Register-Sender Interface Unit Used With the 758C Switching System
807-610-188	1	Performance Requirements — Multipoint Junction Unit Assembly With Auxiliary Circuits	807-620-184	1	Performance Requirements for Switched Digital Data System — Central Office — Digital Trunk Unit Used With the 758C Switching System
807-610-189	1	Performance Requirements for Digital Data Group Terminal (J70177AS)			
807-610-191	2	Performance Requirements for Digital Data System — Digital 56 KB/S Repeater (J70177AT)			
807-620-150	1	(J70178) - Digital Equipment Used in the 758C Switching System — Switched Digital Data System			
807-620-180	1	Performance Requirements for Switched Digital Data System — Central Office — Billing Information Transmitter (BIT), BIT Performance Monitor, and Load Detection Circuits Used With the 758C Switching System			
			<b>807-7 Data Network Systems</b>		
			Addendum	1	
			807-701-150	1	(J70179) Central Office Units Transaction Network Message Switch
			807-702-150	1	(J70180) Data Station Selector DATAPHONE Select-a-Station System



**Division 809****Equipment Design and General Requirements and Engineering Information — Private Branch Exchange Systems****809-0 Indexes and General Information****809-1 Miscellaneous Equipments and Auxiliary Services****809-2 Trunk Alarm, and Test Equipments****809-3 Telephone Answering Systems and Equipments****809-4 Miscellaneous PBXs****809-7 500 and 600 Series Private Branch Exchanges****809-8 700 and 800 Series Private Branch Exchanges and Customer Switching Systems**

Number	Issue	Subject
<b>809-0 Indexes and General Information</b>		
<b>Indexes</b>		
809-000-000	11	Numerical Index — Division 809 — Equipment Design and General Equipment Requirements and Engineering Information — Private Branch Exchange Systems
<b>General</b>		
809-002-100	5	PBX Equipment Space Requirements
809-002-101	2	Compatibility of Equipment — 757A
809-002-102	6	770A PBX — Compatibility of Equipment
809-002-105	2	Compatibility of Equipment — 812A PBX
809-002-106	2	812A PBX — System Expansion and Conversion
809-006-150	1	(J59201) - Modification Requirements for Extension of Loop Ranges and Prevention of False Trunk Signals and Pulses
809-006-151	2	A Method for Establishing PBX Conductor Loop Ranges — Engineering Information

Number	Issue	Subject
809-007-180	5	Detailed Inspection Procedures — Central Office and PBX Equipment

**809-1 Miscellaneous Equipments and Auxiliary Services****Miscellaneous Equipments**

809-105-150	2	(J58856) - Access Line Equipment Units for Use With Automatic Voice Network (AUTOVON)
809-105-151	1	(J1C080) - 812A PBX — AUTOVON Interconnection
809-105-152	2	(J59206) - Autovon Interface Trunks — Autovon
809-106-150	3	(J53122) - Manual Conference Equipment With Voice Repeaters
809-107-150	1	(J58854) - Intra-PBX Protection of Service — Relay Rack Units
809-107-151	2	(J58864) - Dual Frequency Tone Detector Unit — PBX Systems
809-108-150	3	(J58835) - Message Register Service Equipment — For Hotels and Motels
809-108-151	3	(J58834) - Message-Waiting Service Equipment
Addendum	1	
809-109-150	3	(J53128) - Lamp Signal Detector Unit and Associated Equipment for Blind Attendant — 551-, 552-, 555-, 556-, and 608- Type PBXs
Addendum	2	
809-110-150	4	(J58853) - Automatic Number Identification — Equipment Units — 701A, 701B, 711A, 711B, and 757A PBXs
809-111-150	5	(J59015) - Emergency Reporting System — Separate From PBX
Addendum	1	
809-111-151	2	(J59021) - Emergency Reporting Line and Crash Alarm Units
809-120-150	5	(J58833) - Miscellaneous Equipment — Fuse Panel, Lamp Repeating, Loudspeaker Paging Trunks, and Transmission Test Line Units
809-120-151	1	(J58866) - Auxiliary Power Unit for Use With Equipment Remote From PBX — PBX Systems

Number	Issue	Subject
809-121-150	2	(J59204) — Common Equipment

**Call Distributing Equipment**

809-132-001	1	(J59222) — 2A Applications Processor
809-133-150	2	(J53102) - 2A Order Turret
809-133-151	3	(J53111) - 4 Order Turret
809-133-152	4	(J53117) - 6A Order Turret
809-135-150	2	1-S Automatic Call Distributing System
Addendum	1	
809-135-151	2	(J53127) - 2A Automatic Call Distributing System
Addendum	1	
809-135-152	5	(J53131) — 3A Automatic Call Distributing System
809-135-153	1	(J53134) — No. 2B Automatic Call Distributing System

**Touch-Tone Calling Equipment**

809-140-150	8	(J58847) - Touch-Tone Calling Equipment
Addendum	2	
809-140-151	2	(J58850) - Touch-Tone Dial Equipment for Attendant Switchboards
809-140-152	2	(J58844) - Type C — Touch-Tone Calling Receivers
809-140-153	3	(J99322) - Centralized Touch-Tone Calling Equipment for PBX Services — PBX and Common Systems (Dually Numbered With 801-621-152)
809-140-180	1	Performance Requirements — Station Access and Common Group Touch-Tone to Dial Pulse Conversion Equipment — Step-by-Step PBXs

**Customer Premises Systems**

Addendum	1	
809-150-150	1	(J59203) - 50A
809-150-151	1	(J59217) — 50B
Addendum	1	
809-151-150	1	(J59205) — 60A
809-151-151	2	(J59207) — 60B
809-156-001	1	(J59219) — 93A — Local Message Detail Recorder

Number	Issue	Subject
809-156-020	1	(J59220) — 94A

**Customer Information Systems**

809-160-150	2	(J59212) — Management Information System 11A-CIS — AEMIS
809-160-151	1	(J59213) — Customer Network Control Center — Minicomputer Equipment — 21A Customer Information System
809-160-152	1	(J59215) — Customer Network Control Center — Display Interface Cabinet — 21A Customer Information System
809-160-154	1	(J59221) — Customer Network Control Center — PDP* 11/70 Minicomputer Equipment — 21B Customer Information System

**809-2 Trunk, Alarm, and Test Equipments****Trunk Equipment**

Addendum	2	
809-201-150	7	(J58817) - Tie Trunk, Auxiliary Trunks, Signal Connector Units, and Miscellaneous Trunks and Circuits — Relay Rack Units
809-201-151	8	(J53120) — Tie Trunks, Ring-down Trunks, and Miscellaneous Trunks and Circuits — Relay Rack Units — Manual PBXs
809-201-152	5	(J58815) - Tie Trunks, Outgoing Trunks, and Miscellaneous Trunks and Circuits — Relay Rack Units — 606A, 606B, and 702A PBXs
Addendum	2	
809-201-153	7	(J58824) - Tie Trunks, Attendant Trunks, Auxiliary Trunks, and Miscellaneous Trunks and Circuits — Relay Rack Units — Dial PBXs
Addendum	1	
809-202-150	4	(J58840) - Four-Wire Trunk, Station Line, and Miscellaneous Relay Rack Units

\* PDP is a registered trademark of Digital Equipment Corporation

Number	Issue	Subject	Number	Issue	Subject
809-203-150	8	(J58827) - Selected Level Announcement Trunk and Recorded Telephone Dictation Trunk Units	Addendum	1	
809-204-150	8	(J59009) - Long Line, Station Line, and Tie Trunks — Relay Rack Units	809-310-150	3	(J58846) - 1A Telephone Answering System
<b>Alarm and Test Equipments</b>			<b>809-4 Miscellaneous PBXs</b>		
Addendum	1		● 809-401-150	2	(J53115) - Large Dial PBX With Attendant Connectors — War Department — Arlington, Va. and Washington, D.C.
809-250-150	12	(J38304) - Alarm Equipments — No. 1, 350A Dial Offices and 702A PBX Offices — Step-by-Step and PBX Systems (also numbered 814-675-150)	<b>809-7 500 and 600 Series Private Branch Exchanges</b>		
809-257-150	3	(J54703) - PBX Cord Circuit Test Set — (Box Type)	<b>500 Series PBXs</b>		
809-258-150	5	(J54701) - PBX Test Set — (Box Type) — For Testing Line and Trunk Finders, Selectors, and Connectors — 701-, 711-, and 740-Type PBXs	809-702-150	2	(J59022) - 508A PBX Switchboard
809-258-151	5	(J94704) - Line Finder, Selector, and Connector Test Set — (Box Type) — No. 350A and 360A Offices and 701A, 701B, 702A, 711A, and 711B PBXs	Addendum	1	
809-259-150	6	(J34728) - Automatic Call Thru Test Set — (Box Type) — For Testing of Switch Trains (also numbered 814-630-150)	809-703-150	2	(J99284) - General Outline — Operating and Equipment Features — 520-Type PBX Emergency Reporting Systems
809-259-153	2	(J54702) - Incoming Trunk Test Set — (Box Type) — For Testing Trunks Incoming to Order Turret No. 3	Addendum	1	
<b>809-3 Telephone Answering Systems and Equipments</b>			809-703-153	4	(J99248) - 520C PBX — Concentrator-Type Emergency Reporting System — Switchboard Equipment
809-301-150	9	(J93021) - Line Concentrator-Identifier Equipment — Telephone Secretarial Service	Addendum	1	
809-301-152	1	(J59202) — Tone Signaling Equipment — For Use With Concentrator-Identifier in Telephone Secretarial Service	809-703-154	4	(J99247) - 520C PBX — Concentrator-Type Emergency Reporting System — Central Office Equipment
809-302-150	1	(J99317) - Occasional Service Feature Equipment for Telephone Answering Systems	809-703-180	1	Performance Requirements — Direct Line Emergency Reporting System — 520-Type PBXs
809-302-180	1	Occasional Service Equipment	809-703-181	1	Performance Requirements — Concentrator Emergency Reporting System — 520-Type PBXs
			809-720-150	5	(J59023) - 557A PBX Switchboard
			809-720-151	4	(J59024) - 557B PBX Switchboard
			809-721-150	4	(J59027) - 558A PBX — Switching Cabinet Equipment
			<b>600 Series PBXs</b>		
			Addendum	1	
			809-753-150	6	(J53106) - 606A PBX Switchboard



**Division 811****Equipment Design and General Requirements and Engineering Information — Private Service Systems****811-0 Indexes and General****811-1 Alerting and Warning Systems****811-3 Switching Systems**

<b>Division 811</b>			<b>Number</b>	<b>Issue</b>	<b>Subject</b>
			811-010-188	1	Performance Requirements — 4-Phase Digital Data Transmitter Circuit — A1 Digital Data Signaling System — (J1G000BF)
			811-010-189	1	Performance Requirements — 4-Phase Digital Data Receiver Circuit — A1 Digital Data Signaling System — (J1G000BF)
<b>811-0 Indexes and General</b>			811-012-151	4	(J1G006) - Air-Ground Voice Communication — Common User Group
<b>811-1 Alerting and Warning Systems</b>			811-012-180	1	Performance Requirements — Dual Facility at Direction Center or Tandem Point — Air-Ground Voice Communication System
<b>811-3 Switching Systems</b>			811-012-181	1	Performance Requirements — Dual Facility at Radio Site — Air-Ground Voice Communication System
<b>811-0 Indexes and General</b>			811-012-182	2	Performance Requirements — Common User Group — Air-Ground Voice Communication System
<b>Indexes</b>			811-012-185	1	Performance Requirements — Restoration Panel for Restoring — Air-Ground and Data Trunks
811-000-000	34	Numerical Index — Division 811 — Equipment Design and General Equipment Requirements and Engineering Information — Private Service Systems	811-014-150	1	(J1G007) - SC2 Selective Control System — Control and Signaling Equipment Units and Associated Equipment for Transmitting and Receiving Supervisory Signals
<b>General</b>			811-014-151	2	(J1G008) - Pulse Length Code Test Set — SC2 Selective Control System
811-010-180	2	Performance Requirements — Digital Data Transmitter Circuit — A1 Digital Data Signaling System	811-014-152	1	(J1G009) - Dial Test Set for Checking Operation of Satellite and Monitor Station — SC2 Selective Control System
811-010-181	1	Performance Requirements — Digital Data Receiver Circuit — A1 Digital Data Signaling System	811-015-150	2	(J1G021) - 20A Signaling and Control System — Arranged for Inband Signaling
811-010-182	2	Performance Requirements — Parity Check Circuit — A1 Digital Data Signaling System	Addendum	1	
811-010-183	1	Performance Requirements — Matching and Error Counter Circuit — A1 Digital Data Signaling System	811-016-150	1	(J1G024) - Miscellaneous Equipment — 2-Digit to Dial Pulse Converter Unit — Signal Delay and Digit Storage Unit — 4 X 4 to Decimal Translator Unit — Echo Suppression and Anti-Sing Unit
811-010-184	2	Performance Requirements — Word Generator Circuit, SD-1G005-01 — A1 Digital Data Signaling System			
811-010-185	1	Performance Requirements — Miscellaneous Testing Circuit — A1 Digital Data Signaling System			
811-010-186	2	Performance Requirements — Trouble Detector Circuit — A1 Digital Data Signaling System			
811-010-187	1	Performance Requirements — Word Generator Circuit, SD-1G097-01 — A1 Digital Data Signaling System			

Number	Issue	Subject	Number	Issue	Subject
811-016-180	1	Performance Requirements — Signal Delay and Digit Storage Circuit and 2-Digit DC to Dial Pulse Converter Arranged for Use With Touch-Tone Receivers and SS1 or SSA1	811-104-180	1	Performance Requirements — 10A Alerting System
811-017-150	3	(J1G023) - Data Conferencing Equipment for Use With 4-Wire CONUS AUTOVON Facilities	811-120-150	2	(J1G018) - 1A Telephone Warning System
811-018-150	1	(J1G025) - SS2-Touch-Tone Selective Signaling System	<b>811-3 Switching Systems</b>		
811-019-150	2	(J1G027) - SS3 Touch-Tone Selective Signaling System	811-301-150	4	(J1G013) - Switching System No. 304
811-019-151	1	(J1G028) - Equipment Packages — SS3 Touch-tone Selective Signaling System	811-301-180	1	Performance Requirements — Switching System No. 304
811-019-152	1	(J1G031) — SS3 Multiline Connecting Equipment	Addendum	1	
811-019-153	1	(J1G032) — SS3 Order Wire	811-302-150	4	(J1G015) - Switching System No. 305
811-021-150	3	(J1G033) — SS4 Selective Signaling System	Addendum	2	
811-021-151	2	(J1G034) — 4-Wire Private Line — Terminating System	811-303-150	2	(J1G017) - Switching System No. 306
811-021-152	1	(J1G037) — Off-Network Access Unit With SS4 Selective Signaling for 4-Wire Private Line Terminating and Station System	811-303-180	1	Performance Requirements — Switching System No. 306
811-022-150	2	(J1G035) — Control and Display System	811-304-150	1	(J53037) - Switching System No. 307
811-025-150	1	(J1G030) — 1A Protective Relaying Terminal — Facilities Serving Power Industry	811-304-151	1	(J1G016) - Switching System No. 307 — Station Arrangements — Data Set and Control Equipment
811-026-150	2	(J1G036) — Modular Terminal Communication System	811-307-150	1	(J1G022) - Switching System No. 310
			811-307-180	1	Performance Requirements — Switching System No. 310

**811-1 Alerting and Warning Systems**

811-101-150	5	(J1G011) - SAC Primary Alerting System
811-101-151	2	(J1G010) - SAC Secondary Alerting Network — Supervised Automatic Signaling System — Control and Signaling Equipment Units for Transmitting and Receiving Supervisory Signals
811-101-152	4	(J1G026) - SAC — Main Operating Base Turret
811-102-150	4	(J1G012) - Command Post Alerting Network
811-104-150	2	(J1G019) - 10A Alerting System NORAD Attack Warning System — (NAWS)

**Division 812****Equipment Design and General Requirements and Engineering Information — Station Systems****812-0 Indexes, General Information, and Miscellaneous Equipments****812-1 Key Equipments****812-2 Switching, Key Telephone, and Communications Systems****812-3 Station Test Equipment**

Number	Issue	Subject
<b>812-0 Indexes, General Information, and Miscellaneous Equipments</b>		
<b>Indexes</b>		
812-000-000	47	Numerical Index — Division 812 — Equipment Design and General Equipment Requirements and Engineering Information — Station Systems
812-002-002	1	Station Dial — 51B — Detailed Description
812-002-007	1	Station Dials — 43A — Detailed Description
812-002-008	1	Station Dials — 53A — Detailed Description
812-002-200	3	Private Line Service Terminations — Station Engineering Information
812-002-201	2	Private Line Service Terminations — Station Engineering Information — Uniform Service Order Codes (USOC) Index of Definitions and Applications
812-002-210	2	Private Line Service Terminations — Station Engineering Information (Tie Trunks and SS-3)
812-002-211	2	Private Line Service Terminations — Station Engineering Information — PBX Terminations (Foreign Exchange and Wide Area Telecommunications Service)

**Indexes**

Number	Issue	Subject
812-000-000	47	Numerical Index — Division 812 — Equipment Design and General Equipment Requirements and Engineering Information — Station Systems
812-002-002	1	Station Dial — 51B — Detailed Description
812-002-007	1	Station Dials — 43A — Detailed Description
812-002-008	1	Station Dials — 53A — Detailed Description
812-002-200	3	Private Line Service Terminations — Station Engineering Information
812-002-201	2	Private Line Service Terminations — Station Engineering Information — Uniform Service Order Codes (USOC) Index of Definitions and Applications
812-002-210	2	Private Line Service Terminations — Station Engineering Information (Tie Trunks and SS-3)
812-002-211	2	Private Line Service Terminations — Station Engineering Information — PBX Terminations (Foreign Exchange and Wide Area Telecommunications Service)

Number	Issue	Subject
812-002-215	2	Private Line Service Terminations — Station Engineering Information — Telephoto Station Arrangements
812-002-221	3	Private Line Service Terminations — Station Engineering Information — Station Equipment (Voice)
Addendum	1	
812-002-230	3	Private Line Service Terminations — Station Engineering Information — Station Equipment (Data-Voiceband)
812-002-231	2	Private Line Service Terminations — Station Engineering Information — Station Equipment (Data-Wideband)
812-002-250	3	Private Line Service Terminations — Station Equipment Information — Alternate Arrangements
812-002-270	2	Private Line Service Terminations — Station Engineering Information — Engineering Sketches and Signaling Devices
812-002-290	4	Private Line Service Terminations — Station Engineering Information — V4 Repeater — Mountings and Components
<b>General Information and Miscellaneous Equipment</b>		
812-015-150	3	(J53008) - Unattended Station Equipment for Transmitting External Audible Signals Back to a Calling Party
812-015-155	2	(J53017) - 110A Key Equipment
812-015-170	2	Ringling Ranges and Ringling Bridge Limitations for Lines in Dial Offices
812-016-150	3	(J53019) - 600/1500 — Cycle Selective Signaling Equipment for 2- and 4-Wire Private Lines
Addendum	1	
812-016-155	1	(J53047) - SS1A Selective Signaling System — Pulsing Counting and Interdigital Control Circuit
812-017-150	1	(J53036) - 4-Wire Private Line Equipment

Number	Issue	Subject
Addendum	1	
812-017-151	3	(J53045) - 4-Wire Private Line Terminating and Station Equipment
812-019-150	1	(J53042) - Preempt-Precedence Wink Signal Test Set
812-021-150	1	(J53027) - Six Station Conference and Alarm Equipment
812-023-150	1	Customer-Owned Antique Decorator — Telephone Set Housings — Engineering Requirements
812-023-151	1	Station Dials — 51A — Detailed Description
812-025-150	4	(J53050) - Interconnecting Units

**812-1 Key Equipments**

812-101-150	6	(J53002) - 4A
812-102-150	4	(J53004) - 5A, 5B, 6A and 6B
812-106-150	7	(J53103) - 100 — Multiple Line
812-107-150	7	(J53005) - 101A and 101B
812-107-160	12	(J53009) - 102
812-108-150	2	(J53011) - 103A
812-109-160	2	(J53016) - 109A
812-110-151	3	(J53040) - 110A
812-110-160	3	(J53020) - 111A
Addendum	3	
812-111-150	10	(J53022) - 112A
812-111-151	3	(J53024) - 112A — Master Specification for SAGE Installations
812-111-152	3	(J53028) - 112A — Master Specification for SAC Bombardment Wing Control Center Installations
812-111-153	2	(J53025) - 112A — Master Specification for Missile Master Installations

**812-2 Switching, Key Telephone, and Communications Systems**

**Switching Systems**

Number	Issue	Subject
812-205-150	7	(J53026) - No. 300
812-205-155	2	(J53032) - No. 301
Addendum	1	
812-205-156	3	(J53048) - No. 301A
812-205-160	2	(J53033) - No. 302
812-205-180	1	Performance Requirements — No. 300
812-206-150	2	(J53034) - No. 303
812-207-160	2	(J53041) - No. 309
812-248-150	1	(J53059) - 1A Industrial Communications System (ICS)

**Key Telephone Systems**

812-260-150	8	(J53007) - 1A
812-260-155	4	(J53021) - 1A1
812-262-150	3	(J53023) - 6A
812-275-150	1	(J53053) - 8A
812-275-151	1	(J53056) - E911 Customer Premises System
812-275-152	1	(J53060) - Customer Premises Equipment - Expanded 911 System Answering Point

**Communication Systems**

812-280-001	1	14A Call Management Information System
812-281-150	3	(J53038) - No. 3A
812-281-160	2	(J53061) - 16A Communications System—HORIZON®
812-282-150	4	(J53055) - 32A — HORIZON Communications System and HORIZON Call Management System

**812-3 Station Test Equipment**

812-300-150	1	(J53054) - Telephone Test Set for Field Turnaround
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**Division 814****Equipment Design and General Requirements and Engineering Information — Step-By-Step Systems**

- 814-0 Indexes, General Information, and Miscellaneous Equipments**
- 814-1 Automatic Message Accounting**
- 814-2 Automatic Number Identification Equipments**
- 814-3 Common Control and Touch-Tone Equipments (Register Trunk and Link, Outpulsing Controller, Converters, Decoders, and Translators)**
- 814-4 Selectors, Finders, Rotary Switches, and Connectors**
- 814-5 Trunk and Repeater Equipments**
- 814-6 Test and Alarm Equipments**

Number	Issue	Subject
<b>814-0 Indexes, General Information, and Miscellaneous Equipments</b>		
<b>Indexes</b>		
814-000-000	41	Numerical Index — Division 814 — Equipment Design and General Equipment Requirements and Engineering Information — Step-by-Step Systems
<b>General</b>		
Addendum	2	
814-005-150	3	(J39206) - General Outline — No. 1 and 350A Offices
814-005-151	8	(J38805) - General Outline — No. 355A Office
814-005-152	3	(J39225) - General Outline — Common Control Facilities — No. 1, 350A and 355A Offices
814-005-153	4	(J38812) - General Outline — No. 356A Office
814-006-150	5	(J38809) - Line Frame and Associated Equipment Units — No. 356A Office
814-007-150	9	(J38801) - Equipment Frames and Units — No. 360A Office

Number	Issue	Subject
Addendum	3	
814-008-150	7	(J39210) - Western Electric Company Equipment for Additions to 35E97 Offices
814-009-150	2	(J39209) - Modification Procedures for Line Load Control and Associated Traffic Load Indicating Devices — No. 1, 350A, 355A, 360A and 35E97 Offices
814-011-170	2	7A Announcement System for Machine Intercept Service — Engineering Information
814-012-170	1	Line Number Method — Prepay Coin Control — No. 350A, 355A, 360A and 35E97 Offices — Engineering Information
814-013-150	3	(X61420) - Modification of Primary and Secondary Line Switch Equipment to Reduce Double Plunging of Line Switches and Spark Protection Equipment for Primary and Secondary Master Switch Wipers
814-013-170	1	Extension of Subscriber Loop Ranges — Engineering Information
814-014-170	2	Interoffice Trunk Ranges — Supervision and Pulsing Limits
814-020-180	4	Performance Requirements — No. 1, 350A, 355A, 356A and 360A Offices
814-020-181	2	Performance Requirements — Common Control Equipment
814-021-182	4	Detailed Inspection Procedures — Central Office and PBX Equipment

**Miscellaneous Frames**

Addendum	1	
814-025-150	10	(J32602) -Traffic Register Rack — No. 1 and 350A Offices
814-026-150	7	(J93005) - Plugging-Up Frame — Central "A" Switchboard Office

**Miscellaneous Equipments**

Addendum	2	
814-050-151	15	(J33017) - Miscellaneous Relay Rack Units — 2- by 23-Inch Mounting Plates

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		814-105-151	4	(J37902) - Sender Frame — Supplementary Connector Bay For Modified Automatic Ticketing Sender Frames — No. 1 Office
814-050-152	8	(J91104) - Relay Rack Equipment — For 13C, 13D, 15C, and 15D Switchboards — No. 1 and No. 5 Crossbar Panel, No. 4 Type Toll Switching and Step-by-Step Systems (also numbered 815-075-152, 150)	814-105-152	2	(J38205) - Sender-Trunk Connector Frame — No. 1 Office
814-050-153	7	(J91101) - Relay Rack Equipment — For 15C and 15D "A" Switchboards	814-105-153	4	(J38201) - Trunk Finder-Sender Trunk Connector Frame — And Supplementary Sender Trunk Connector Frame — No. 1 Office
814-052-150	10	(J32307) - Repeater Units, Frames, and Shelves — No. 1, 350A, 355A, and 702A PBX Offices	Addendum	1	
814-053-150	12	(J32312) - Miscellaneous Switches and Shelves — No. 1, 350A, 355A, 35E97, and 702A PBX Offices (also numbered 809-804-154)	814-105-154	2	(J32101) - Sender-Transverter Connector Frame — No. 1 Office
Addendum	1		814-105-155	6	(J38902) - Sender Frame and Multifrequency Receiver Frame — (CAMA) — Intertoll Dialing Office
814-054-150	2	(J33011) - Emergency Manual Equipment	814-106-150	5	(J38903) - Decoder Frame, Route Relay Frame and Foreign Area Translator Frame — (CAMA) — Intertoll Dialing Office
814-055-150	3	(J39202) - Line Busy Recorder	Addendum	2	
814-056-150	2	(J32009) - Permanent Signal Finder and Associated Units	814-106-151	5	(J99301) - PBX AIOD Translator and Connector Equipment — Automatic Message Accounting or Automatic Number Identification
Addendum	1		Addendum	1	
814-058-150	2	(J34901) - Trunk Group Usage Equipment — No. 1 and 350A Offices	814-106-152	2	(J38914) - Pretranslator and Pretranslator Connector Frame — (CAMA) — Intertoll Dialing Office

**814-1 Automatic Message Accounting**

814-100-150	2	(J39215) - General Outline — No. 1 Office	Addendum	1	
814-100-151	4	(J39220) - General Outline — (CAMA) — Intertoll Dialing Office	814-107-150	3	(J32401) - Transverter Frame — No. 1 Office
814-100-170	3	General — Centralized Automatic Message Accounting — Intertoll Dialing Office — Engineering Information	Addendum	1	
814-100-180	4	Performance Requirements — No. 1 Office	814-107-151	3	(J38904) - Transverter Frame — (CAMA) — Intertoll Dialing Office
814-100-181	1	Performance Requirements — (CAMA) — Intertoll Dialing Office	Addendum	3	
Addendum	1		814-108-150	4	(J38813) - Identifier Frame and Associated Translator — Dynamic Overload Control Units — No. 1 Office
814-105-150	3	(J37903) - Sender Frame (AMA) — No. 1 Office	Addendum	1	
			814-108-151	2	(J38206) - Identifier Trunk Connector Frame — No. 1 Office
			Addendum	1	
			814-109-150	5	(J37801) - Thousands-Number Frame — No. 1 Office
			Addendum	1	
			814-110-150	5	(J37802) - Common Number and Class Frame — No. 1 Office



Number	Issue	Subject	Number	Issue	Subject
Addendum	3		□ 814-401-150	14	(J32310) - Selectors and 3- and 10-Capacity Selector Shelves — No. 1, 350A, 355A, 35E97, and 702A PBX Offices (also numbered 809-804-152) NOTE: Replaced by 809-804-152
814-204-151	5	(J38942) - Outpulsor and Test Frame — Type C — No. 1, 350A, 355A, and 35E97 Offices	□ 814-401-151	15	(J32302) - Selector and 20-Capacity Selector Shelves — No. 1, 350A and 702A PBX Offices (also numbered 809-804-151) NOTE: Replaced by 809-804-151
814-205-150	5	(J99250) - Line Verification and Miscellaneous Relay Rack Equipment — Type B	814-402-150	9	(J38806) - Selector Repeaters — 10- and 20-Capacity Selector Repeater Shelves
814-206-150	3	(J38950) - Type D — No. 1, 350A, 355A, or 35E97 Offices	<b>Finders</b>		
814-207-150	1	(J38951) - Type E — No. 1 Step-by-Step With AMA	814-410-170	1	200-Point Line Finder and Trunk Finder Equipments — No. 1, 350A, 355A and 35E97 Offices — Engineering Information
<b>814-3 Common Control and Touch-Tone Equipments (Register Trunk and Link, Outpulsing Controller, Converters, Decoders, and Translators)</b>			Addendum	3	
814-300-150	8	(J38934) - Register Trunk and Link Frames — Common Control	814-411-150	10	(J32006) - 100 and 200 Point Line Finders — 10-, 16-, and 20-Capacity Line Finder Shelves — Control and Lockout Features — No. 355A Offices
814-310-150	5	(J38921) - Originating Register and Outpulsing Controller Frame — Common Control	814-412-150	12	(J32001) - 200-Point Line Finders — 16-, 20- and 30-Capacity Line Finder Shelves — No. 1 and 350A Offices
814-320-150	7	(J33024) - Converter Frame	Addendum	2	
814-321-150	2	(J38922) - Touch-Tone Converter Frame — Common Control	814-413-150	8	(J32007) - 200-Point Line Finders — 20- and 30-Capacity Line Finder Shelves — No. 1, 350A, 355A, and 35E97 Offices
814-322-150	1	(J38936) - Converter and Link Frame — Touch-Tone Type D	Addendum	2	
814-322-151	1	(J38937) - Converter and Link Frame Touch-Tone Type E	814-414-150	10	(J32004) - Trunk and Converter Finders and 10-Capacity Finder Shelves — No. 1, 350A, 355A, and Intertoll Dialing Offices
Addendum	1		814-415-150	11	(J32003) - Trunk Finders, Switch Frame, Intercepting Trunk, and 4-, 6-, 10-, 16-, and 20-Capacity Finder Shelves
814-330-150	5	(J38925) - Translator and Decoder Frame — Supplementary Decoder Frame — Decoder Route Relay Frame and Foreign Area Translator Frame — Common Control	Addendum	1	
Addendum	1		814-415-151	6	(J32008) - Trunk Finders — Switch Frame, Intercepting Trunks and 20-Capacity Trunk Finder Shelves
814-330-151	2	(J38924) - Translator and Decoder Connector Frames — Common Control	<b>814-4 Selectors, Finders, Rotary Switches, and Connectors</b>		
<b>Selectors</b>					
814-400-150	6	(J32313) - Multiplying of Trunks From Selector Levels			
814-400-170	1	Digit-Absorbing Selectors — Engineering Information			

Number	Issue	Subject	Number	Issue	Subject
<b>Rotary Switches</b>			814-509-150	4	(J38815) - Outgoing Trunk and Output Connector Frame — No. 1 Office With AMA
814-425-150	7	(J33020) - Subscriber Rotary Line Switch and 22-Point Line or Trunk Finder — Relay Rack Units	Addendum	1	
814-426-150	12	(J33001) - 3- or 4-Wire Rotary Out-Trunk Switch Units — No. 1, 350A, 355A, and 35E97 Offices	814-510-150	2	(J33903) - Coin Zone Outgoing Trunk Frame — (AMA) — No. 1 Office
Addendum	1		814-510-151	4	(J99256) - Concentrating Frame — For Coin Zone Trunk Units
814-427-150	5	(J33010) - 5-Wire Rotary Out-Trunk Switch Units — No. 1 Office With AMA	Addendum	1	
<b>Connectors</b>			814-520-150	13	(J33013) - One-Way Interoffice Trunks — Relay Rack Units
□ 814-435-150	13	(J32311) - Connectors and Connector Shelves — No. 1, 350A, 355A, and 35E97, and 702A PBX Offices NOTE: Replaced by 809-804-153	814-521-150	7	(J33014) - 2-Way Interoffice Trunks — Relay Rack Units
<b>814-5 Trunk and Repeater Equipments</b>			□ 814-522-150	6	(J61401) - Miscellaneous Intertoll Trunks and Associated Equipments — Relay Rack Units NOTE: Replaced by 804-001-152
<b>Trunk Equipment</b>			814-523-151	12	(J33015) - Coin and Message Register Trunks and Auxiliary Trunk and Line Circuit Units — Relay Rack Units — (2- by 23-Inch Mounting Plates)
814-501-150	5	(J38901) - Incoming Trunk Frame — Intertoll Dialing Office — (CAMA)	814-524-150	10	(J33016) - Intercepting Trunks for Manual or Machine Intercepting
Addendum	2		814-525-150	5	(J33025) - Converter Trunk Frame
814-505-150	5	(J33902) - Outgoing Trunk Frame — (AMA) — No. 1 Office	814-526-150	1	(J33029) - Intercept Trunk Frame for AIS With ANI Type C or D — No. 1, 350A, 355A, or 35E97 Offices
814-506-150	7	(J38923) - Outgoing Trunk Frames — (ANI — Type B and C and Non-CAMA) — Common Control	Addendum	2	
Addendum	1		814-527-150	1	(J33030) - Local Directory Assistance Trunk Frames for 411 Services (ANI Type B, C and D) — No. 1, 350A, 355A or 35E97 Offices
814-507-150	8	(J38943) - Trunk Frames (ANI-Type B and C)	814-528-150	1	(J33031) - Selector Trunk Frame for Busy Line Verification — No. 1 or 350A Office
814-507-151	10	(J95108) - Trunk Frames — Automatic Number Identification — Type B No. 1 Crossbar and Panel (also numbered 815-302-150 and 816-207-150)	<b>Repeater Equipment</b>		
814-508-150	1	(J33028) - Outgoing Trunk Frame — (OGT to No. 1 ESS™ in Same Building)	814-540-150	6	(J33019) - Repeaters, Pulse Correcting Repeaters and Incoming Trunks — Relay Rack Units

Number	Issue	Subject	Number	Issue	Subject
<b>814-6 Test and Alarm Equipments</b>			814-609-152	4	(J34307) - Remote Office Test Line-3 — No. 1, 350A, 355A, 35E97 or Intertoll Dialing Office or 701B PBX Office
<b>Test Frames and Units</b>			814-609-180	1	Performance Requirements for Expanded Remote Office Test Line (ROTL-2)
814-600-150	9	(J93403) - Trouble Ticker Frame — Automatic Number Identification-Type B (also numbered 815-408-150 and 816-206-150)	814-610-150	4	(J38935) - Trunk and Outpulser Test Frame (AMA) — No. 1 Office
Addendum	1		Addendum	1	
814-601-150	3	(J34102) - Trouble Recorder Frame — (AMA) — No. 1 Office	814-620-150	5	(J33021) - Dial and Ringer Test Units — No. 1 and 350A Offices
814-602-150	8	(J38911) - Trouble Ticker and Test Frame — (CAMA) — Intertoll Dialing Office	Addendum	2	
Addendum	1		814-621-150	10	(J34709) - Miscellaneous Test Line Units and Jack Equipments — No. 1, 350A, 360A, and 702A PBX Offices
814-602-151	4	(J38927) - Manual Test and Trouble Ticker Frame — Common Control	<input type="checkbox"/> 814-622-150	3	(J33018) - Miscellaneous Test Units Associated With Local Desks No. 12C and 14 — Local Test Cabinet No. 3 and Repair Service Desk No. NOTE: Replaced by 804-001-152
Addendum	1				
814-603-150	5	(J38929) - Automatic Test Frame — Common Control	<b>Test Sets</b>		
Addendum	2		<input type="checkbox"/> 814-630-150	6	(J34728) - Automatic Call Thru Test Set — (Box Type) — For Testing of Switch Trains NOTE: Replaced by 809-259-150
814-604-150	3	(J34302) - Automatic Trunk Test Frame — AMA — No. 1 Office	Addendum	1	
814-604-151	4	(J34304) - Automatic Outgoing Trunk Test Frame — No. 1 and 350A Offices	814-631-150	3	(J34727) - Test Set — (Box Type) — Common Control
Addendum	1		814-632-150	1	(J38913) - CAMA Test Set — (Box Type) — Intertoll Dialing Office
814-605-150	5	(J34303) - Manual Outgoing Trunk Test Frame	814-633-150	4	(J34701) - Test Set — (Box Type) — 355A and 35E97 Offices
814-606-150	5	(J33302) - Sender-Identifier-Transverter Test Frame and Line Verification Unit — (AMA) — No. 1 Office	814-634-150	4	(J33026) - Converter Test Set — (Box Type)
814-607-150	10	(J93402) - Outpulser-Identification-Trunk Test Frames — Automatic Number Identification-Type B (also numbered 815-409-150 and	<input type="checkbox"/> 814-635-150	3	(J34715) - Line Finder and Trunk Finder Test Set — (Box Type) — Individual, 2-Party Message and Flat Rate Lines NOTE: Replaced by 809-804-153
814-608-150	5	(J33601) - Line Insulation Test Frame — No. 1 and 350A Offices			
Addendum	1				
814-609-150	2	(J34305) - Remote Office Test Line Equipment — No. 1, 350A, 355A, 360A, and 35E97 Offices			
Addendum	1				
814-609-151	2	(J34306) - Remote Office Test Line-2 Equipment — No. 1, 350A, 355A, 35E97 or Intertoll Dialing CAMA Office			

Number	Issue	Subject	Number	Issue	Subject
814-635-151	4	(J34718) - Line Finder and Trunk Finder Test Set — (Box Type) — Individual Message and Flat Rate Lines	814-641-150	3	(J34717) - Pulsing Test Set — (Box Type)
814-636-150	5	(J34721) - Rapid Operation Line Finder and Outgoing Repeater Test Set — (Box Type)	814-641-151	4	(J34720) - Pulse Repeating Test Set — (Box Type) — For Testing Repeater "A" Relays
814-637-150	1	(J34730) - Trunk Test Set For Testing Multifrequency Pulsing Non-CAMA Outgoing Trunk Arranged For Timed Disconnect — (Box Type) — Common Control	814-642-150	3	(J34726) - Auxiliary Test Set — (Box Type) — For Testing B, C, and F Relays of Line Finders — No. 1 Office
☐ 814-637-151	6	(J94710) - Trunk Test Set — (Box Type) NOTE: Replaced by 804-910-150	814-643-150	5	(J34724) - Message Ticketer Test Set — (Box Type)
814-638-150	8	(J34722) - Connector, Selector and Trunk Test Set — Noncoin — (Box Type) — No. 355A, 356A, and 35E97 Offices	814-644-150	1	(J34731) - Trunk Test Set for ANI-Type D (Portable Box Type)
☐ 814-638-151	5	(J94704) - Line Finder, Selector, and Connector Test Set — (Box Type) — No. 350A and 360A Offices and 701A, 701B, 702A, 711A and 711B PBXs NOTE: Replaced by 809-258-151	814-644-151	1	(J34732) - Local Directory Assistance Test Set (Portable Box Type) for Use With ANI-Type B, C, or D
814-639-150	4	(J34719) - Connector Test Set — (Box Type)	814-644-152	1	(J34733) - AIS Outgoing Trunk Test Set for ANI-Type C or D (Portable Box Type)
814-640-150	3	(J34725) - Register Test Set — (Box Type) — No. 1, 350A, 355A, and 356A Offices	814-645-150	1	(J34734) - Converter Tests Set for Touch-Tone Type E (Portable Box Type)
814-640-151	5	(J34706) - Register Test Set — (Box Type)	<b>Alarm Equipments</b>		
			814-675-150	12	(J38304) - No. 1, 350A Dial Offices and 702A PBX Offices (also numbered 809-250-150)
			814-676-150	6	(J33022) - Maintenance Alarm Bay and Alarm Equipments — No. 355A Offices
			814-676-151	2	(X61383) - Office Alarm Equipment or Additions of 11'-6" Frames to 9' Frame Offices in Which an Alarm Rack is Installed

**Division 816**

**Equipment Design and General Requirements and Engineering Information — No. 1 Crossbar System**

**816-0 Indexes and General Information**

**816-1 Automatic Message Accounting Equipments**

**816-2 Automatic Number Identification Equipments**

**816-3 Connector and Marker Equipments**

**816-4 Junctor and Link Equipments**

**816-5 Sender and 6-Digit Translation Equipments**

**816-6 Test Equipment and Trouble Indicator Equipment**

**816-7 Trunk and Zone Equipments**

Number Issue Subject

**816-0 Indexes and General Information**

816-000-000 14 Numerical Index — Division 816 — Equipment Design and General Equipment Requirements and Engineering Information — No. 1 Crossbar System

**General**

816-005-100 2 Equipment Nomenclature  
 816-006-180 3 Central Office Equipments — Detailed Inspection Procedures  
 Addendum 1  
 816-007-181 4 Central Office Equipments — Performance Requirements  
 816-008-150 1 (J29258) - Requirements Applying to Small Offices  
 816-009-200 3 (J29254) - Installation of Additions to Central Offices  
 Addendum 1  
 816-010-150 3 (J29255) - Office Junctor Redistribution Procedures for the Installation of Additions to Central Offices  
 816-011-150 3 (J29256) - Line Junctor Redistribution Procedures for the Installation of Additions to Central Offices

Number Issue Subject  
 816-012-150 1 (J29252) - Centralized "A" and "B" Switchboard Equipment — Engineering Information  
 816-014-180 1 Procedure for Making Cutover Preparation Tests During Installation Load Test

**Cabling and Wiring**

816-015-150 6 (J20150) - Switchboard Power Cabling of Miscellaneous Wiring of Major Frames  
 816-016-150 5 (J20151) - Limiting Resistance of Leads Between Frames and Units

**Miscellaneous Frames and Relay Rack Equipments**

816-020-150 2 (J27058) - Line Distributing Frame  
 816-021-150 2 (J27057) - Message Register Distributing Frame  
 Addendum 1  
 816-022-150 7 (J22750) - Office Interrupter Frame  
 Addendum 2  
 816-023-150 13 (J28351) - Floor Alarm Frame for Use in Offices with No. 301C Power Plants  
 816-024-150 8 (J23051) - Miscellaneous Frame Equipment  
 Addendum 1  
 816-025-150 4 (J27050) - Message Register Rack (Unit Type) and Message Timing Frame  
 816-026-150 10 (J23052) - Relay Rack Equipment  
 Addendum 1  
 816-027-150 11 (J23066) - Auxiliary Relay Rack Mounted Equipment — Crossbar Tandem System (also numbered 817-041-150)  
 □ 816-028-150 8 (J91104) - Relay Rack Equipment — For 13C, 13D, 15C, and 15D Switchboards — No. 1 and No. 5 Crossbar Panel, No. 4 Type Toll Switching and Step-by-Step Systems (also numbered 814-050-152, 150)  
 NOTE: Replaced by 814-050-152



Number	Issue	Subject	Number	Issue	Subject
□ 816-028-151	7	(J91101) - Relay Rack Equipment — For 15C and 15D "A" Switchboards NOTE: Replaced by 814-050-153	Addendum	1	
816-029-150	4	(J91103) - 15D "A" Switchboard	816-102-150	2	(J22450) - Calling Line Register Frame
Addendum	1		816-103-150	3	(J22150) - District Group Connector Frame
816-030-150	1	(J25151) — Multifrequency Pulsing — Receiver Frame	816-104-100	3	(J22457) - General — Operating and Equipment Features
			816-105-150	4	(J22455) - Maintenance Recorder Frame
			□ 816-106-150	11	(J22451) - Master Timing Frame — Paper and Magnetic Tape Recording — No. 1, No. 5, and Crossbar Tandem — No. 4 Type Toll Switching, and Step-by-Step Systems (also numbered 814-117-151, 817-105-150, 150)
			816-107-150	12	(J22456) - Perforator Cabinet — Perforator and Reader Cabinet — Call Count Process Control Register Equipment (also numbered 814-116-150,
			□ 816-108-150	12	(J22462) - Recorder Frames — No. 1, No. 5, and Tandem Crossbar, No. 4 Type Toll Switching, and Step-by-Step Systems (also numbered 120-150, 818-108-150, and 819-114-150) NOTE: Replaced by 814-115-151
			816-109-150	6	(J22460) - Translator Frame
			□ 816-109-151	5	(J99301) - PBX AIOD Translator and Connector Equipment — Automatic Message Accounting or Automatic Number Identification NOTE: Replaced by 814-106-151
			816-110-150	3	(J22152) - Transverter Connector Frame
			Addendum	1	
			816-110-151	7	(J22463) - Transverter Frame
			Addendum	1	
			816-110-152	6	(J22453) - Transverter Trouble Indicator Frame
			Addendum	1	
			816-111-150	1	(J22476) - AMA Translator Line Verification Test Circuit Equipment Units
<b>Miscellaneous Equipments</b>					
816-040-150	6	(J25551) - End Guards, Aisle Pilot Lamp Supports, Distributing Power Terminal Strip Supports, Record Books and Holders, Spare Fuse Mountings, and Print Display Boards			
Addendum	1				
816-042-150	3	(J21556) - Number Checking Equipment			
Addendum	1				
816-043-150	5	(J27059) - Traffic Register Equipment Using 300-Capacity Traffic Register Cabinet			
Addendum	1				
816-044-151	9	(J27054) - Traffic Register Equipment Using 400-Capacity Traffic Register Rack			
816-045-150	4	(J99230) - Modification Requirements for Line Load Control and Associated Traffic Load Indicating Devices			
816-060-180	2	Inspection Requirements — Vertical Drive Shafts and Associated Apparatus			
<b>816-1 Automatic Message Accounting Equipments</b>					
Addendum	1				
816-100-150	2	(J22472) - Auxiliary Transverter Link Frame			
□ 816-101-150	10	(J22151) - Call Identity Indexer Frames and Units — Paper and Magnetic Tape Recording — No. 1, No. 5 and Crossbar Tandem — No. 4 Type Toll Switching NOTE: Replaced by 814-113-151			

Number	Issue	Subject
<b>816-2 Automatic Number Identification Equipments</b>		
<input type="checkbox"/> 816-200-180	4	Performance Requirements — Type B NOTE: Replaced by 814-200-180
<input type="checkbox"/> 816-201-150	6	(J95105) - Identification Frame — Type B — No. 1 Crossbar, Panel, and Step-by- Step Systems (also numbered 814-201-150 and 815-300-150)
<input type="checkbox"/> 816-202-150	5	(J99250) - Line Verification and Miscellaneous Relay Rack Equipment — Type B NOTE: Replaced by 814-205-150
<input type="checkbox"/> 816-203-150	8	(J95109) - Number Network "X" Number Network, and Miscellaneous Number Network Frames — Type B — No. 1 Crossbar, Panel, and Step-by- Step Systems (also numbered 814-202-150 and 815-303-150) NOTE: Replaced by 814-202-150
<input type="checkbox"/> 816-204-150	9	(J95107) - Outputser Frame — Type B — No. 1 Crossbar, Panel, and Step-by-Step Systems (also numbered 814-204-150 and 815-301-150) NOTE: Replaced by 814-204-150
<input type="checkbox"/> 816-205-150	10	(J93402) - Outputser-Identifier-Trunk Test Frames — Type B NOTE: Replaced by 814-607-150
<input type="checkbox"/> 816-206-150	9	(J93403) - Trouble Ticketer Frame — Type B NOTE: Replaced by 814-600-150
<input type="checkbox"/> 816-207-150	10	(J95108) - Trunk Frames — Type B (also numbered 814-507-151 and 814-507-150) NOTE: Replaced by 814-507-151

**816-3 Connector and Marker Equipments**

**Connector Equipments**

Addendum	1	
816-300-150	5	(J27851) - Line Choice Connector Frame and Line Junctor Connector Frame

Number	Issue	Subject
Addendum	1	
816-301-150	8	(J27852) - Number Group Connector Frame, Block Relay Frame and Relay Rack Mounted Direct Access Pretranslator Connector Equipment
Addendum	2	
816-302-150	6	(J28750) - Originating Marker Connector Frame
816-303-150	4	(J21555) - Sender Test Connector Frame
816-304-150	6	(J28850) - Terminating Marker Connector Frames
Addendum	1	
816-305-150	1	(J28158) - Outgoing Sender Connector Frame and Associated Equipment Units

**Marker Equipments**

Addendum	1	
816-350-150	12	(J28751) - Originating Marker Frame
816-351-150	9	(J28853) - Terminating Marker Frame

**816-4 Junctor and link equipments**

**Junctor Equipments**

816-400-150	9	(J27551) - District or Auxiliary District Junctor Frame
816-401-150	5	(J27053) - District Junctor Grouping Frame
Addendum	1	
816-402-150	4	(J27052) - Office Junctor and Line Junctor Grouping Frames

**Link Equipments**

<input type="checkbox"/> Addendum	2	
<input type="checkbox"/> 816-425-150	5	(J95104) - Auxiliary Sender Link Frame and Auxiliary Sender Link Extension Frame
816-426-150	5	(J27552) - District Link Frame
Addendum	1	
816-427-150	6	(J27752) - Incoming Link and Incoming Extension Frames
Addendum	3	
816-428-150	6	(J21551) - Key pulsing Sender Link Frame or Coin Supervisory Link Frame

Number	Issue	Subject	Number	Issue	Subject
816-429-150	8	(J27450) - Line Link Frame	Addendum	1	
Addendum	1		816-560-150	1	(J22475) - Line Link Pulsing Translator Frame
816-430-150	8	(J27650) - Office Link and Office Extension Frames	<b>816-6 Test Equipment and Trouble Indicator Equipment</b>		
816-431-150	10	(J27550) - Subscriber or Auxiliary Subscriber Sender Link Frame	<b>Test Equipments</b>		
816-432-150	7	(J27750) - Terminating Sender Link Frame	816-600-150	13	(J27553) - District Junctor Test Frame
Addendum	1		Addendum	2	
816-433-150	1	(J27557) - Outgoing Sender Link Frame for Use With Line Link Pulsing	816-601-150	12	(J27753) - Incoming Trunk Test Frame and Incoming Trunk Test Connector Frame (also numbered 817-701-150)
<b>816-5 Sender and 6-Digit Translation Equipments</b>			816-601-152	2	(J24004) - Recorder Frame
<b>Sender Equipments</b>			816-601-153	1	(J28555) - Remote Office Test Line — Crossbar Tandem and No. 1 Crossbar Switching System (also numbered 817-701-154)
Addendum	1		Addendum	2	
816-500-150	6	(J95103) - Auxiliary Sender Frame Auxiliary Sender Equipment for Direct Distance Dialing — Engineering Information	816-601-154	13	(J67447) — Automatic Outgoing Intertoll Trunk Test and Connector Frames — Automatic Transmission Test and Control Frames — Teletypewriter Frame — Floor Model 28-Type Teletypewriter — No. 4 Type Toll Switching Systems, Crossbar Tandem Switching System (also numbered 817-706-150 and 818-706-150)
816-500-180	1	Auxiliary Sender and Auxiliary Sender Link Circuit — Performance Requirements	Addendum	1	
816-502-150	14	(J27951) - Originating Sender Frame	816-602-150	4	(J23651) - Line Insulation Test Frame
Addendum	1		Addendum	1	
816-503-150	19	(J27950) - Sender Make-Busy Frame	816-603-150	12	(J27952) - Originating Sender Test Frame
816-504-150	2	(J28052) - Sender and Position Finder Frame for Use With a Central "B" Switchboard	816-604-150	18	(J28550) - Outgoing Trunk Test Frame (also numbered 817-700-150)
Addendum	2		□ 816-605-150	7	(J93005) - Plugging-Up Frame — Central "A" Switchboard Office NOTE: Replaced by 814-026-150
816-505-150	13	(J28050) - Terminating Sender Frame	Addendum	3	
816-506-150	3	(J27977) - Outgoing Sender Frame and Automatic Intercept Service Frame	816-606-150	11	(J28051) - Terminating Sender Test Frame
<b>6-Digit Translation Equipments</b>					
816-550-150	2	(J95112) - Translator Connector, and Route Grouping Frames			
Addendum	1				
816-551-150	3	(J95111) - Code Compressor and Connector Frames and Subscriber Sender Recycle Frame			

Number	Issue	Subject
816-607-150	6	(J21554) - Zone Registration Test Frame
816-608-150	3	(J24751) - Incoming Trunk Test Set (Wagon Type)
816-609-150	1	(J27060) - Key Pulsing Set for Establishing Connections to Subscriber Lines by MF Key Operation
Addendum	1	
816-610-150	4	(J24750) - Message Register Test Set (Box Type)
□ 816-610-151	5	(J34724) - Message Ticketer Test Set — (Box Type) NOTE: Replaced by 814-643-150
816-611-150	3	(J24758) - Trunk Test Set — LAMA, ANI, Operator Assistance Special Toll Trunks — Coin or Noncoin
Addendum	1	
816-612-150	2	(J94721) - Coin Zone Trunk Test Set — (Box Type)
Addendum	1	
816-613-150	1	(J22477) - Direct Inward Dialing — Test Frame

**Trouble Indicating Equipment**

Addendum	2	
816-620-150	5	(J23251) - Controller Trouble Indicator Frame
816-621-150	17	(J28752) - Originating Trouble Indicator Frame
816-622-150	13	(J28854) - Terminating Trouble Indicator Frame

Number	Issue	Subject
<b>816-7 Trunk and Zone Equipments</b>		
Addendum	2	
816-700-150	6	(J27751) - Incoming Trunk Frames for Use With 100-Trunk Capacity Incoming Link Frames Permanent Signal Holding and Concentrating Arrangements — Engineering Information
Addendum	1	
816-702-150	6	(J28650) - Regular, Auxiliary, and Supplementary Incoming Trunk Frames for Use With 160-Trunk Capacity Incoming Link Frames
816-703-150	1	(J21557) - Coin Supervisory — Concentrator and Trunk Equipment
816-720-150	4	(J99256) - Concentrating Frame — For Coin Zone Trunk Units (J99229) - Dial Coin Zone Trunk Frame
816-722-150	4	(J21553) - Zone Registration Equipment

**Division 817**

**Equipment Design and General Requirements and Engineering Information — Tandem Crossbar System**

**817-0 Indexes and General Information**

**817-1 Automatic Message Accounting Equipments**

**817-2 Link, Junctor, and Connector Equipments**

**817-3 Sender, Marker, and Translator Equipments**

**817-5 Traffic Service Position and Data Equipments**

**817-6 Trunk Equipments**

**817-7 Test and Alarm Equipments**

Number	Issue	Subject
<b>817-0 Indexes and General Information</b>		
<b>Indexes</b>		
817-000-000	17	Numerical Index — Division 817 — Equipment Design and General Equipment Requirements and Engineering Information — Tandem Crossbar System
<b>General</b>		
817-010-100	9	(J29253) - General Outline — Operating and Equipment Features
817-013-180	9	Performance Requirements
817-014-180	3	Detailed Inspection Procedures
817-016-170	2	(J29268) - Provision of ANI Operation in CAMA Offices — Modification Procedures
817-018-150	3	(J29255) - Office Junctor Redistribution Procedures for the Installation of Additional Trunk and Office Link Frames
<b>Cabling and Wiring</b>		
817-035-150	2	(J20152) - Switchboard Power Cabling — Miscellaneous Wiring of Major Frames

Number	Issue	Subject
817-036-150	3	(J20156) - Limiting Conductor Lengths Between Frames and Units

**Miscellaneous Frames and Relay Rack Equipments**

<input type="checkbox"/>	817-040-150	10	(J23052) - Relay Rack Equipment NOTE: Replaced by 816-026-150
<input type="checkbox"/>	Addendum	1	
	817-041-150	11	(J23066) - Auxiliary Relay Rack Mounted Equipment — (also numbered 150)
	817-042-150	7	(J22750) - Office Interrupter Frame
	Addendum	1	
	817-043-150	3	(J28762) - Group-Busy Frame
<input type="checkbox"/>	817-044-150	1	(J25151) - Multifrequency Pulsing — Receiver Frame NOTE: Replaced by 816-030-150
	817-045-150	4	(J27050) - Message Register Rack (Unit Type) and Message Timing Frame
	817-047-150	3	(J22653) - Traffic Supervisory Cabinet
	817-048-151	3	(J99324) - Announcement Frame — No. 5A Announcement System

**Miscellaneous Equipments**

<input type="checkbox"/>	817-060-150	6	(J25551) - End Guards, Aisle Pilot Lamp Supports, Distributing Power Terminal Strip Supports, Record Books and Holders, Spare Fuse Mountings and Print Display Boards NOTE: Replaced by 816-040-150
	817-062-150	4	(J92608) - Sender Attachment Delay Equipment (also numbered)
<input type="checkbox"/>	Addendum	1	
	817-064-150	5	(J27059) - Traffic Register Equipment Using 300-Capacity Traffic Register Cabinet
<input type="checkbox"/>	Addendum	1	
<input type="checkbox"/>	817-064-151	9	(J27054) - Traffic Register Equipment Using 400-Capacity Traffic Register Rack NOTE: Replaced by 816-045-151

Number	Issue	Subject
Addendum	1	
817-065-150	1	(J27061) - Point-to-Point Data Recorder Frame
□ 817-070-180	2	Inspection Requirements — Vertical Drive Shafts and Associated Apparatus NOTE: Replaced by 816-060-180

**817-1 Automatic Message Accounting Equipments**

817-100-170	2	Centralized AMA — Operator Identified
817-101-150	8	(J21350) - CAMA Switchboard (also numbered 814-118-150, 818-102-150, and 819-101-150) NOTE: Replaced by 814-118-150
817-102-150	3	(J1P004) - Computerized Recording — Automatic Message Accounting — CAMA-C (also numbered 818-114-150)
□ 817-105-150	11	(J22451) - Master Timing Frame — Paper and Magnetic Tape Recording — No. 1, No. 5, and Crossbar Tandem — No. 4 Type Toll Switching and Step-by-Step Systems (also numbered 814-117-151, 816-106-150, 150) NOTE: Replaced by 814-117-151
Addendum	1	
817-106-150	5	(J22464) — Billing Indexer Frame (also numbered 818-109-150)
□ 817-107-150	10	(J22151) - Call Identify Indexer Frames and Units — Paper and Magnetic Tape Recording — No. 1, No. 5 and Crossbar Tandem — No. 4 Type Toll Switching NOTE: Replaced by 814-113-151
817-108-150	4	(J28053) - Position Link Frame
Addendum	2	
817-110-150	2	(J22155) - Sender Register Connector Frame
Addendum	4	
817-111-150	2	(J27755) - Incoming Register and Link Frame
817-112-150	6	(J22465) - Transverter Frame

Number	Issue	Subject
Addendum	1	
817-112-151	4	(J22154) - Transverter Connector Frames
□ 817-120-150	12	(J22462) - Recorder Frames — No. 1, No. 5, and Tandem Crossbar, No. 4 Type Toll Switching, and Step-by-Step Systems (also numbered 108-150, 818-108-150, and 819-114-150) NOTE: Replaced by 814-115-151
□ 817-121-150	12	(J22456) - Perforator Cabinet — Perforator and Reader Cabinet — Call Count Processor Control Register Equipment — Billing Data Transmitter Frame — No. 1, No. 5 and Tandem Crossbar, No. 4 Type Toll Switching, and Step-by-Step Systems (also numbered 814-116-150, 816-107-150, 818-111-150, and 819-115-150) NOTE: Replaced by 814-116-150

**817-2 Link, Junctor, and Connector Equipments****Link Equipment**

817-200-150	4	(J27554) - Trunk Link and Trunk Link Extension Frames
□ 817-201-150	8	(J27650) - Office Link and Office Extension Frames NOTE: Replaced by 816-430-150
817-202-150	6	(J28450) - Sender Link Frame
Addendum	1	
817-203-150	3	(J28765) - 10-Digit Incoming Register and Link Frames

**Junctor Equipments**

817-210-150	4	(J27052) - Office Junctor and Line Junctor Grouping Frames
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**Connection Equipments**

817-215-150	6	(J28150) - Marker Connector Frames
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Number	Issue	Subject	Number	Issue	Subject
<b>817-3 Sender, Marker, and Translator Equipments</b>			<b>817-6 Trunk Equipments</b>		
<b>Sender Equipments</b>			<b>Test and Alarm Equipments</b>		
Addendum	1		<b>Test Frames</b>		
817-300-150	8	(J27953) - RP, MF, and DP Sender Frames	□ 817-700-150	18	(J28550) - Outgoing Trunk Test Frame (also numbered 816-604-150) NOTE: Replaced by 816-604-150
817-301-150	8	(J27969) - DP and MF Sender Frames	□ 817-701-150	12	(J27753) - Incoming Trunk Test Frame and Incoming Trunk Test Connector Frame (also numbered 816-601-150) NOTE: Replaced by 816-601-150
Addendum	1				
817-301-151	8	(J27968) - Functional DP and MF Sender Units			
Addendum	3				
817-302-150	5	(J27961) - PCI Sender Frame			
<b>Marker Equipments</b>					
817-310-150	4	(J28761) - Marker Frame (Ring Type)			
817-310-151	11	(J28753) - Marker Frame (Route Relays)			
<b>Translator Equipments</b>					
Addendum	1				
817-315-150	2	(J28772) - Translator Frame			
817-316-150	2	(J22474) - Pretranslator Frames			
<b>817-5 Traffic Service Position and Data Equipments</b>					
817-500-150	1	(J29271) - Operation of CAMA Offices With 100A TSP — Modification Procedures			
Addendum	1				
817-504-150	4	(J92905) - Automatic Operator Training Equipments			
Addendum	2				
817-505-150	5	(J99268) - 100A Traffic Service Position Section and Associated Operating Room Equipment			
Addendum	2				
817-505-151	4	(J99286) - Position and Position Control Frames and Units and Associated Signaling Equipment for Remote Operation			
Addendum	1				
817-505-152	1	(J99318) - Night and Twilight Transfer Control Frames			
817-505-153	3	(J28778) - Traffic Control Frame and Traffic Control Console			
817-506-150	2	(J99293) - Cordboard Transfer Trunk Finder Frame			

Number	Issue	Subject	Number	Issue	Subject
□ 817-701-152	2	(J24004) - Recorder Frame NOTE: Replaced by 816-601-152	Addendum	1	
Addendum 817-701-153	1 2		817-711-150	7	(J24350) - Trunk Automatic Test and Connector Frames — (AMA TSP)
		(J23267) - Reorder Analysis and Data Connector Frame, Proces- sor and Interface Cabinets for Computerized Maintenance and Administration Support	Addendum	2	
			817-715-150	1	(J99299) - Position Test Frames — Position and Position Control Test Units — (TSP)
□ 817-701-154	1	(J28555) - Remote Office Test Line — Crossbar Tandem and No. 1 Crossbar Switching Sys- tem (also numbered 816-601- 153) NOTE: Replaced by 816-601-153	Addendum	1	
			817-716-150	4	(J99277) - Rater-Charge Com- puter Test Frame — (TSP)
Addendum 817-702-150	1 3		<b>Test Sets</b>		
		(J24050) - Trunk Test Frame for Use With Remote Control Zone Registration Trunks	Addendum	2	
Addendum 817-705-150	2 10		817-720-150	8	(J24752) - Trunk Test Set (Wagon Type) and Associated Equipment
		(J98501) - Manual Outgoing Trunk Test Frame and Outgoing Trunk Test Jack Bay (also num- bered 818-708-150 and 819- 710-150)	817-721-150	1	(J94722) - Auxiliary Trunk Test Set (Box Type)
□ 817-706-150	13	(J67447) - Automatic Outgoing Intertoll Trunk Test and Connec- tor Frames — Automatic Transmission Test and Control Frames — Teletypewriter Frame — Floor Model 28-Type Tele- typewriter — No. 4 Toll Switching Systems, Crossbar Tandem Switching System (also num- bered 816-601-154 and 818- 706-150) NOTE: Replaced by 816-601-154	817-722-150	4	(J24750) - Message Register Test Set (Box Type)
			817-723-150	5	(J24753) - Test Set for Timing Tests
Addendum 817-710-150	2 9		817-730-150	7	(J23259) - Trouble Recorder and Connector Frames
		(J23351) - Sender Test Frames — Sender and Register Test Connector Frames	Addendum	3	
			817-731-150	8	(J21850) - Sender Make-Busy Frame
			817-732-150	3	(J22466) - Line Observing Frame — (AMA)
			<b>Alarm Equipments</b>		
			Addendum	3	
			817-740-150	6	(J28352) - Floor Alarm Unit



**Division 818****Equipment Design and General Requirements and Engineering Information — No. 4 Type Toll Switching Systems**

- 818-0 Indexes, General Information, and Miscellaneous Equipments**
- 818-1 Automatic Message Accounting Equipments**
- 818-2 Incoming Link, Outgoing Link, and Junctor Grouping Equipments**
- 818-3 Sender, Register, Outputer, Sender Link, Register Link, Outputer Link, and Link Controller Equipments**
- 818-4 Decoder, Translator, Marker, and Block Relay Equipments**
- 818-6 Trunk and Trunk Assignment Equipments**
- 818-7 Test Maintenance, and Alarm Equipments**

Number	Issue	Subject
<b>818-0 Indexes, General Information, and Miscellaneous Equipments</b>		
<b>Indexes</b>		
818-000-000	21	Numerical Index — Division 818 — Equipment Design and General Equipment Requirements and Engineering Information — No. 4 Type Toll Switching Systems
<b>General</b>		
818-005-100	1	Equipment Nomenclature — No. 4M Office
818-005-150	6	(J69202) - General Outline — Operating and Equipment Features — No. 4A Office
818-005-170	1	General — No. 4M Office — Engineering Information
818-005-171	1	General — No. 4A Office — Engineering Information

Number	Issue	Subject
818-007-150	3	(J69208) - Modification of No. 4M and Converted No. A4A Offices to Provide Separate Train-Combined Operation
818-007-151	1	(J69209) - Modification of No. 4A and Converted No. A4A Combined Train Offices to Provide Separate Train- Combined Operation — No. 4A Office
Addendum	1	
818-007-152	2	(J69212) - Modification Procedures to Provide Increased Capacity Features
Addendum	1	
818-007-153	2	(J69213) - Modification of Existing No. 4 Type Toll Offices for Electronic Translator System
818-007-154	2	(J69214) - Peripheral Bus Computer Retrofit Procedures for No. 4 Toll Offices Equipped With Electronic Translator System
818-010-180	4	Performance Requirements
818-011-150	3	(J67456) - Junctor Distribution — No. 4A Office
818-011-151	2	(J67410) - Junctor Distribution — No. 4M Office
Addendum	1	
818-011-152	3	(J67470) - Junctor Distribution — Direct Cabling TBC Plan — No. 4A Office
818-011-153	1	(J67495) - Junctor Distribution Cabling TC Plan — No. 4A Office

**Cabling, Wiring, and Lighting**

818-030-150	3	(J60101) - Switchboard Power Cabling
818-031-150	5	(J60103) - Limiting Conductor Lengths — Office Wiring

**Miscellaneous Frames**

818-040-150	4	(J67422) - Office Interrupter Frame
818-041-150	11	(J67444) - Alternate Route Traffic Control, Traffic Control — Network Control Frames and Auxiliary Recording Control Units
818-042-150	3	(J67450) - Sender Traffic Control Frame

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		818-082-151	7	(J62603) - Traffic Register Equipment
818-043-150	5	(J67424) - Frame Identification Frequency Supply and Control Frame	818-082-152	2	(J67509) - Traffic Usage Interface and Supplementary Traffic Usage Interface Frames
818-044-150	3	(J67465) - Outgoing Trunk Identification Frame	818-083-150	6	(J62604) - Traffic Supervisory Rack
☐ 818-045-150	3	NOTE: Replaced by 817-048-151 (J99324) - Announcement Frame — No. 5A Announcement System	Addendum	2	
818-046-150	8	(J67448) - Circuits Busy Announcement Trunk Frame	818-083-151	5	(J62607) - Traffic Supervisory and Register Rack and Auxiliary Traffic Supervisory Cabinet Equipments
☐ 818-047-150	3	(J22466) - Line Observing Frame (AMA) NOTE: Replaced by 817-732-150	☐ 818-084-150	4	(J92608) - Sender Attachment Delay Equipment (also numbered NOTE: Replaced by 817-062-150
818-048-150	3	(J67492) - Miscellaneous Frame for Electronic Equipment	818-085-150	3	(J67506) - PBC Interface and Control Cabinet
818-050-150	1	(J67516) - Transceiver and Connector Frame	818-085-151	2	(J67507) - Peripheral Bus Computer Central Processor Unit
			818-086-150	1	(J67512) - Frame Identification Frequency Supply Unit
			818-087-150	1	(J67524) - PBC-I/O Terminal Transfer Unit
<b>Miscellaneous Equipments</b>			<b>818-1 Automatic Message Accounting Equipments</b>		
☐ 818-080-150	6	(J25551) - End Guards Aisle Pilot Lamp Supports, Distributing Power Terminal Strip Supports, Record Books and Holders, Spare Fuse Mountings, and Print Display Boards NOTE: Replaced by 816-040-150	818-100-170	1	CAMA Facilities — General — Automatic Message Accounting — Engineering Information
818-081-150	15	(J61564) - Miscellaneous Relay-Rack Mounted Units — No. 4 Type Toll Switching and No. 5 Crossbar Systems (also numbered 819-083-150)	818-101-150	1	(J69210) - CAMA Modification Procedures
☐ 818-081-151	8	(J91104) - Relay Rack Equipment — For 13C, 13D, 15C, and 15D Switchboards — No. 1 and No. 5 Crossbar Panel, No. 4 Type Toll Switching and Step-by-Step Systems (also numbered 814-050-152, 150) NOTE: Replaced by 814-050-152	☐ 818-102-150	8	(J21350) - CAMA Switchboard (also numbered 814-118-150, 817-101-150, and 819-101-150) NOTE: Replaced by 814-118-150
818-081-152	1	(J67505) - Remote Network — Management Control Units	☐ 818-103-150	4	(J28053) - Position Link Frame NOTE: Replaced by 817-108-150
Addendum	2		Addendum	2	
818-082-150	6	(J62601) - Traffic Register Equipment	818-104-150	3	(J67454) - CAMA Sender Link Frame
			818-105-150	7	(J67458) - CAMA Sender Frame
			818-106-150	3	(J67463) - Transverter Frame
			Addendum	1	
			818-106-151	1	(J67464) - Transverter Connector Frame

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		<b>818-2 Incoming Link, Outgoing Link, and Junctor Grouping Equipments</b>		
818-107-150	1	(J67459) - Trunk Class Translator and Supplementary Trunk Class Translator Frames	<b>Incoming and Outgoing Link Frames</b>		
□ 818-108-150	12	(J22462) - Recorder Frames — No. 1, No. 5 and Tandem Crossbar, No. 4 Type Toll Switching, and Step-by-Step Systems (also numbered 150, 817-120-150, and 819-114-150) NOTE: Replaced by 814-115-151	Addendum	1	
□ 818-109-150	5	(J22464) - Billing Indexer Frames (also numbered 817-106-150) NOTE: Replaced by 817-106-150	818-200-150	10	(J67437) - Incoming Link Frame — Primary and Secondary Extension Frames
□ 818-110-150	10	(J22151) - Call Identity Indexer Frames and Units — Paper and Magnetic Tape Recording — No. 1, No. 5 and Crossbar Tandem NOTE: Replaced by 814-113-150	Addendum	1	
□ 818-111-150	12	(J22456) - Perforator Cabinet — Perforator and Reader Cabinet — Call Count Process Control Register Equipment (Also numbered 814-116-150, NOTE: Replaced by 814-116-150	818-200-151	3	(J67493) — Incoming Link Frame (Small Switches) — Junctor and Trunk Extension Frames
□ 818-112-150	11	(J22451) - Master Timing Frame — Paper and Magnetic Tape Recording — No. 1, No. 5, and Crossbar Tandem — No. 4 Type Toll Switching, and Step-by-Step Systems (also numbered 814-117-151, 816-106-150, 150) NOTE: Replaced by 814-117-151	Addendum	1	
818-113-150	2	(J67460) - Trouble Recorder Connector Frame	818-201-150	6	(J67438) - Outgoing Link Frame — Primary and Secondary Extension Frames
□ 818-114-150	3	(J1P004) - Computerized Recording — Automatic Message Accounting — CAMA-C — Crossbar Tandem (also numbered 817-102-150) NOTE: Replaced by 817-102-150	818-201-151	4	(J67494) - Outgoing Link Frame (Small Switch) — Junctor and Trunk Extension Frames
818-113-150	2		<b>Junctor Grouping Frames</b>		
			Addendum	1	
			818-210-150	3	(J67409) - Junctor Grouping Frames
			<b>818-3 Sender, Register, Outputer, Sender Link, Register Link, Outputer Link, and Link Controller Equipments</b>		
			<b>Sender and Outputing Equipments</b>		
			818-300-150	8	(J67430) - Incoming Sender Frames — DP and MF Sender Equipment Units — No. 4A Office
			818-301-150	6	(J67452) - Incoming Sender Frames — DP and MF Sender Equipment Units — No. 4M Office
			818-302-150	8	(J67431) - Incoming DP and MF Sender Equipment Subunits
			818-303-150	7	(J67468) - Incoming MF Sender Frame — No. 4A Office
			Addendum	1	
			① 818-304-150	5	(J67467) - Overseas Sender Frame
			818-305-150	7	(J67413) - Outgoing Sender Frames — REV, PCI, SXS and CA Sender Equipment Units

Number	Issue	Subject
<b>Sender Link, Register Link, Outpulser Link, Link Controller Equipments</b>		
Addendum	2	
818-330-150	8	(J67402) - Incoming and Outgoing Sender Link Frames
Addendum	1	
818-331-150	13	(J67407) - Link Controller and Connector and Supplementary Link Controller Frames
Addendum	1	
818-334-151	1	(J67501) - Outpulser Link Controller Frame
Addendum	1	
818-335-151	1	(J67499) - Outpulser Link Frame

**Incoming Register Equipments**

818-340-150	5	(J67457) - Incoming Register and Link Frame
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**818-4 Decoder, Translator, Marker, and Block Relay Equipments**

**Decoder Equipments**

Addendum	2	
818-400-150	9	(J67439) - Decoder Frame
818-401-150	1	
818-401-150	10	(J67449) - Decoder Connector Frame and Supplementary Decoder Connector Frame

**Translator Equipments**

Addendum	1	
818-420-150	6	(J67442) - Card Translator Equipment
Addendum	1	
818-421-150	7	(J67445) - Foreign Translator Connector Frame and Emergency Translator Connector Frame
Addendum	1	
818-422-150	1	(J67469) - Pretranslator Frame
818-425-150	2	(J67471) - Decoder Channel Frame
Addendum	1	
818-425-151	2	(J67472) - Peripheral Scanner Frame
818-425-152	3	(J67473) - Distributor Register Frame

Number	Issue	Subject
818-425-153	2	(J67474) - Alarm and Display Frame
818-425-154	4	(J67475) - Power Distributing Frame and Miscellaneous Power Distributing Units
818-425-155	1	(J67476) - Peripheral Function Translator Unit — Electronic Translator System
818-425-156	3	(J67479) - Teletypewriter Buffer Frame
818-425-161	3	(J67504) - Common Channel Interoffice Signaling — Terminal Group — No. 4A Toll Switching System or Traffic Service Position System No. 1 or 1B
818-425-163	1	(J67511) - Distributor and Scanner Frame
818-425-164	2	(J67514) - Common Channel Interoffice Signaling Voice Frequency Link Access Frame — No. 4A Toll Switching System or Traffic Service Position System No. 1 or 1B

**Marker Equipments**

Addendum	1	
818-450-150	12	(J67440) - Marker Frame
Addendum	2	
818-451-150	7	(J67446) - Marker Connector Frames

**Block Relay Equipment**

Addendum	1	
818-480-150	6	(J67408) - Block Relay Frame

**818-6 Trunk and Trunk Assignment Equipments**

**Trunk Equipments**

818-600-150	5	(J69211) - Trunk Tables — Listing Trunk Equipment Units, Features, and Options
818-601-150	6	(J67466) - Trunk Frames for Mounting Plate and Plug-In Units
818-602-150	15	(J61561) - Intertoll Trunks — Relay-Rack Mounted, Trunk-Frame Mounted, and Plug-In Units
818-603-150	15	(J61562) - Incoming Toll Connecting Trunks — Relay Rack Mounted Units

Number	Issue	Subject
818-604-150	14	(J61563) - Outgoing Toll Connecting Trunk — Relay Rack Mounted and Plug-In Units

**Trunk Assignment Equipments**

818-630-151	2	(J67434) - Trunk Assignment Distributing Frame
818-631-150	3	(J67421) - Trunk Assignment Patch Bay

**818-7 Test, Maintenance, and Alarm Equipments**

**Test Frames**

818-701-150	9	(J67443) - Trouble Recorder Frame
Addendum	1	
818-702-150	3	(J67462) - Incoming Sender and Register Test Frame
818-702-151	1	(J67508) - Outpulser Link Controller Test Frame
818-703-150	3	(J67436) - Outgoing Sender Test Frame — No. 4A Office
818-704-150	5	(J67419) - Sender Test Connector Frame — No. 4M Office
818-705-150	12	(J67418) - Automatic Outgoing Toll Connecting Trunk — Operational and Transmission Test Frames — Supplementary AOTT Frame, Outgoing Toll Connecting Trunk Test Connector Frame
818-706-150	13	(J67447) - Automatic Outgoing Intertoll Trunk Test and Connector Frame — Automatic Transmission Test and Control Frames — Teletypewriter Frame — Floor Model 28-Type Teletypewriter — No. 4 Type Toll Switching Systems, Crossbar Tandem Switching System (also numbered 150)
Addendum	1	
818-706-151	4	(J67478) - Automatically Directed Outgoing Intertoll Trunk Test Frame, Automatically Directed Outgoing Intertoll Trunk Test Connector Frame and Card Reader Console
Addendum	1	
818-706-152	1	(J67513) - Outgoing Trunk Test Connector Frame

Number	Issue	Subject
818-706-153	1	(J67518) - ATME-2/Foreign Exchange Routine — Evaluation Testing System Interface Frame
818-707-150	4	(J67461) - Automatic Incoming Trunk Test and Connector Frames (CAMA)
818-707-151	2	(J67519) - Signaling Analysis Connector Frame
□ 818-708-150	10	(J98501) - Manual Outgoing Trunk Test Frame and Outgoing Trunk Test Jack Bay NOTE: Replaced by 817-705-150 710-150) .LI " 818-708-1514" (J67496) - Manual Test Frame — Test and Make-Busy Jack Frame
818-709-151	2	(J67515) - CCIS Intraoffice Trunk Test Frame
818-709-152	1	(J67521) - Common Channel Interoffice Signaling — Voice Frequency Link Test Frame

**Test Sets**

818-740-150	6	(J63525) - Incoming, Outgoing and Intertoll Trunk Test Set (Wagon Type) and Associated Relay Rack Equipment
818-741-150	4	(J64727) - Frame Identification Frequency Supply Test Set (Box Type)
818-742-150	3	(J67453) - Translator Test Set and Associated Equipment
818-743-150	1	(J67477) - Trunk Test Set (Portable Plug-In Type) for MF Pulsing, E & M Lead Supervision Toll Switching Trunks

**Maintenance Equipments**

Addendum	2	
818-760-150	3	(J67427) - Trouble Tracing Step-By-Step Selector Frame for Use With Intertoll Trunk Concentrator
Addendum	2	
818-761-150	7	(J67435) - Sender Make-Busy Frame and Auxiliary Sender Make-Busy Frame — No. 4A Office
818-761-151	6	(J67416) - Register Make-Busy Frame — No. 4M Office

Number	Issue	Subject
<b>Alarm Equipments</b>		
Addendum	2	
818-780-150	5	(J67441) - Floor Alarm Frame
818-780-151	7	(J67423) - Floor Alarm Units



Number	Issue	Subject	Number	Issue	Subject
<b>Miscellaneous Frames</b>			<b>Miscellaneous Equipments</b>		
Addendum	1		<input type="checkbox"/>	819-080-150	8 (J91104) - Relay Rack Equipment — For 13C, 13D, 15C and 15D Switchboards — No. 1 and No. 5 Crossbar Panels, No. 4 Type Toll Switching and Step-by-Step Systems (also numbered 814-050-152, 151) Replaced by 814-050-152
819-050-150	3	(J27975) - 4-Wire Conference Controller Frame			
Addendum	1		<input type="checkbox"/>	819-083-150	15 (J61564) - Miscellaneous Relay-Rack Mounted Units — No. 4 Type Toll Switching and No. 5 Crossbar Systems (also numbered 818-081-150) NOTE: Replaced by 818-081-150
819-050-151	3	(J28775) - Access Group Controller Unit, Called Number Detector Unit, Trunk Group Traffic Sample Frames and Units			
819-051-150	2	(J28758) - PBX Allotter Frames and Associated Equipment Units			
819-052-150	1	(J23068) - Coin Zone Concentrator Frame			
819-053-150	2	(J27455) - Line Concentrator No. 2A Control Frame			
819-053-180	1	Performance Requirements — Line Concentrator No. 2A			
Addendum	1		<b>819-1 Automatic Message Accounting Equipments</b>		
819-054-150	4	(J27854) - Transfer Line Identifier Frame — Transfer Supplementary Line Identifier Frame		819-100-170	1 Centralized Automatic Message Accounting — General — Engineering Information
819-054-151	2	(J27978) - Stuck Sender Trunk Identifier — Frame and Units	<input type="checkbox"/>	819-101-150	8 (J21350) - CAMA Switchboard (also Numbered 814-118-150, 817-101-150, and 818-102-150) NOTE: Replaced by 814-118-150
819-055-150	3	(J25150) - MF Current Supply Frame and MF Test Current Supply Frame		819-102-150	3 (J22470) - CAMA Position Link Frame
Addendum	1			819-103-150	3 (J22468) - CAMA Sender and MF Receiver Frames
819-056-150	5	(J27055) - Power, Ringing, and Tone Distributing Frame and No-Such-Number Tone Supply Equipment Units		Addendum	2
819-056-153	2	(J29272) - Power Ringing, and Tone Distributing Frame and No-Such-Number Tone Supply Equipment Units		819-104-150	11 (J22459) - LAMA, CAMA, and ANI Transverter Frames and Relay Rack Mounted Units
Addendum	1			Addendum	1
819-057-150	6	(J27056) - Message Register and Message Timing Frames and Associated Equipment Units		819-104-151	4 (J22153) - LAMA, CAMA, and ANI Transverter Connector Frames
Addendum	1			819-105-150	3 (J22471) - Translator Frame
819-058-150	10	(J22650) - Traffic Register Frame and Associated Equipment Units	<input type="checkbox"/>	819-105-151	6 (J22460) - Translator Frames NOTE: Replaced by 816-109-150
<input type="checkbox"/>	819-059-150	7 (J93005) - Plugging-Up Frame — Central "A" Switchboard Office Replaced by 814-026-150	<input type="checkbox"/>	819-106-150	5 (J99301) - PBX AIOD Translator and Connector Equipment — Automatic Message Accounting or Automatic Number Identification Replaced by 814-106-151
Addendum	1				
819-060-150	8	(J22752) - Office Interrupter Frame — 30, 60 and 120 IPM			
819-062-150	1	(J27460) - Electronic Frames and Units			



Number	Issue	Subject	Number	Issue	Subject
□ 819-107-150	10	(J22151) - Call Identity Indexer Frames and Units — Paper and Magnetic Tape Recording — No. 1, No. 5 and Crossbar Tandem — No. 4 Type Toll Switching Replaced by 814-113-151	<b>819-2 Link and Junctor Grouping Equipments</b>		
819-108-150	4	(J22469) - CAMA Billing Indexer Frame	<b>Link Equipments</b>		
□ 819-114-150	12	(J22462) - Recorder Frames — No. 1, No. 5, and Tandem Crossbar, No. 4 Type Toll Switching, and Step-by-Step Systems (also numbered 108-150, 817-120-150, and 818-108-150) NOTE: Replaced by 814-115-151	819-200-150	11	(J27451) - Line Link Frames (2-Wire) (A&M Only) and Automatic Call Distribution Line Link Frames
819-114-152	2	(J94739) - Trunk Control Frames — For Magnetic Tape Recordings	Addendum	1	
819-115-150	12	(J22456) - Perforator Cabinet — Perforator and Reader Cabinet — Call Count Process Control Register Equipment — Billing Data Transmitter Frame — No. 1, No. 5 and Tandem Crossbar, No. 4 Type Toll Switching, and Step-By-Step Systems (also numbered 814-116-150, 816-107-150, 817-121-150, and 818-111-150)	819-200-151	2	(J27454) - Four-Wire Line Link Frames
819-115-151	1	(J22478) - AMA-MTR Modification Procedures	819-200-152	2	(J27458) - Line Link Frames (2-Wire) — Auxiliary Line Link Frame (2-Wire) — Using Small Crossbar Switches — Line Class-of-Service Frame
Addendum	1		819-200-153	2	(J27459) - Wideband Link Frames and Units
819-115-152	1	(J94737) - Recorder and Recorder Control Frame — For Magnetic Tape Recording	Addendum	1	
□ 819-120-150	11	(J22451) - Master Timing Frame — Paper and Magnetic Tape Recording — No. 1, No. 5, and Crossbar Tandem — No. 4 Type Toll Switching, and Step-by-Step Systems (814-117-151, 816-106-150, 817-105-150, and NOTE: Replaced by 814-117-151)	819-200-154	1	(J27462) - Bit-Stream Link Frames and Bit-Stream Test Line Distributor Units
819-121-150	2	(J23652) - Line Observing Number Matching Frame	819-201-150	8	(J27754) - Trunk Link Frames
			Addendum	2	
			819-201-151	2	(J27756) - Four-Wire Trunk Link Frames
			Addendum	1	
			819-201-152	1	(J27757) - Trunk Link Frame — Auxiliary Trunk Link Frame Using Small Crossbar Switches
			Addendum	1	
			819-202-150	10	(J29051) - Incoming Register Link, Coin Supervisory Link and Outgoing Sender Link Frames
			Addendum	1	
			819-203-150	2	(J29055) - Transfer Line Link — Transfer Register Link and Transfer Trunk Link Frames
			Addendum	1	
			819-204-150	1	(J29054) - Centrex Position Link Frame
			819-205-150	1	(J27457) - Range Extender Frame for Unigauge Cabling
			819-206-150	1	(J27461) - Call-Waiting Link Frames
			<b>Junctor Grouping Equipments</b>		
			819-220-150	6	(J27651) - Junctor Grouping Frames and Junctor Distribution Procedures

Number	Issue	Subject
<b>819-3 Marker, Connector, and Number Group Equipments</b>		
<b>Marker Equipments</b>		
Addendum	1	
819-300-150	9	(J28754) - Marker Frames
Addendum	2	
819-300-151	10	(J28755) - Marker Units
Addendum	1	
819-301-150	16	(J28760) - Completing Marker Frames
Addendum	1	
819-301-151	5	(J28776) - Automatic Call Distribution Marker Frames
819-302-150	9	(J28759) - Dial Tone Marker Frames and Originating Line Identifier Unit
819-303-150	2	(J28779) - Wideband Remote Switch Signal Control Frames — Wideband/Bit-Stream Line Control Frame
<b>Connector Equipments</b>		
819-310-150	7	(J28151) - Connector Frames
Addendum	4	
819-310-151	4	(J28152) - Connector Equipment Units
Addendum	2	
819-311-150	8	(J28154) - Connector Frames
819-311-151	8	(J28155) - Connector Units
819-312-150	8	(J28153) - Master Test Connector Frames and Units
819-312-151	5	(J28157) - Master Test Connector Frames and Units
819-313-150	1	(J28774) - Four-Wire Trunk Group Connector, Line and Trunk Preemption Grouping Frames and Associated Equipment Units
<b>Number Group Equipments</b>		
Addendum	2	
819-320-150	9	(J27853) - Number Group Frame

Number	Issue	Subject
<b>819-4 Register, Sender, and Translator Equipments</b>		
<b>Register and Sender Equipments</b>		
819-401-150	11	(J27954) - Originating and Incoming Register Frames and Outgoing and Intermarker Group Sender Frames
Addendum	2	
819-401-151	8	(J27956) - Register Equipment Units for Originating and Incoming Registers and Outgoing and Intermarker Group Senders
Addendum	4	
819-401-152	9	(J27958) - Control Equipment Units for Originating and Incoming Registers and Outgoing Intermarker Group Senders
Addendum	1	
819-401-153	4	(J27955) - Pulse Counting Equipment Units for Originating and Incoming Registers
Addendum	2	
819-401-154	5	(J27957) - Timing Equipment Units for Originating and Incoming Registers
Addendum	1	
819-401-155	3	(J27959) - Coin and 2-Party Test Equipment Units for Originating Registers
819-401-156	4	(J27960) - Pulse Control Equipment Units for Outgoing Senders
Addendum	2	
819-403-150	8	(J27962) - Originating Register Frame and "TOUCH-TONE®" Receiver and Control Frame
Addendum	2	
819-404-150	5	(J27971) - Four-Wire Originating Register Frame
819-405-150	4	(J27967) - Originating Register Line Memory Frame
819-406-150	2	(J29275) - Automatic Call Distributor — Digit Register Frame
Addendum	1	
819-410-150	7	(J27963) - Incoming Register Frames and Transfer Register Frames and Multifrequency Pulsing Receiver Frame
Addendum	1	
819-411-150	3	(J27972) - Four-Wire Incoming MF Register Frame

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		819-600-156	7	(J29261) — Trunk Table F — Line Link Frame Trunks — Listing Trunk Equipment Units — Functions, Features and Options
819-412-150	4	(J27976) - Trunk Test Register Frames	819-600-157	8	(J29261) - Trunk Table G — Listing Trunk Equipment Units — Functions, Features, and Options
Addendum	2		819-600-158	1	(J29261) - Trunk Table H Marker Pulse Conversion Trunks — Except Intertoll — Listing Trunk Equipment Units Functions, Features and Options
819-420-150	7	(J27964) - Outgoing Sender Frames	819-600-159	3	(J29261) - Trunk Table J Intermarker Group and Intertrain Trunks — Listing Trunk Equipment Units Functions, Features, and Options
819-421-150	4	(J27973) - Four-Wire Outgoing MF and DP Sender Frames	819-600-160	7	(J29261) - Trunk Table K — Intertoll Trunks — Listing Trunk Equipment Units — Functions, Features, and Options
<b>Translator Equipments</b>			819-600-161	3	(J29261) - Trunk Table L Combination Toll Switching With Outgoing and Tandem Completing — Listing Trunk Equipment Units Functions, Features and Options
819-430-150	5	(J28756) - Pretranslator, IDDD Pretranslator, and IR Pretranslator Frames	819-600-162	5	(J29261) -Trunk Table M — 2-Way Trunks — Except Intertoll — Listing Trunk Equipment Units Functions, Features, and Options
819-431-150	4	(J28757) - Foreign Area Translator and Connector Frames	819-600-163	3	(J29261) - Trunk Table N Other Trunks for Toll Centers — Listing Trunk Equipment Units — Functions, Features and Options
<b>819-6 Trunk Equipments</b>			819-600-164	2	(J29261) - Trunk Table P CAMA Trunks and Units — Listing Trunk Equipment Units Functions, Features and Options
819-600-150	20	(J29261) - General Information and Index Section for Trunk Table — Listing Trunk Equipment Units — Functions, Features and Options	819-600-165	5	(J29261) - Trunk Table R — Coin Zone Outgoing Trunks — Listing Trunk Equipment Units — Functions, Features and Options
819-600-151	6	(J29261) - Trunk Table A — Intraoffice and Reverting Call Trunks — Listing Trunk Equipment Units — Functions, Features and Options	819-600-166	6	(J29261) - Trunk Table S — Customer Special Service Units — Listing Trunk Equipment Units — Functions, Features and Options
819-600-152	5	(J29261) - Trunk Table B — Trunks Incoming to No. 5 Equipment — Except Intertoll and Maintenance — Listing Trunk Equipment Units — Functions, Features, and Options	819-600-167	2	(J29261) - Trunk Table T Wideband and Associated Audio Trunks — Including Maintenance and Test — Listing Trunk Equipment Units Functions, Features and Options
819-600-153	8	(J29261) - Trunk Table C — Outgoing Full Selector and PPCS Trunks — Except Intertoll — Listing Trunk Equipment Units — Functions, Features, and Options			
819-600-154	8	(J29261) — Trunk Table D — Outgoing Trunks to Switchboards and Desks — Except Intertoll and Maintenance — Listing Trunk Equipment Units — Functions, Features and Options			
819-600-155	6	(J29261) — Trunk Table E — Trunks for Maintenance Purposes — Listing Trunk Equipment Units — Functions, Features, and Options			

Number	Issue	Subject	Number	Issue	Subject
819-600-168	5	(J29261) - Trunk Table U — Automatic Call Distributor — Lines, Trunks, and Miscellaneous Units — Listing Trunk Equipment Unit — Functions, Features, and Options	819-700-151	5	(J23261) - Plant Register Cabinet
819-601-150	8	(J23064) - Relay Rack Frames for Trunks and Miscellaneous Equipments	819-701-150	14	(J23253) - Automatic Monitor, Register, and Sender Test Equipment Units Mounted on Automatic Monitor, Register, and Sender Test Bays — Master Test Frame
819-602-150	13	(J23062) - Incoming Trunks — Equipment Units	819-702-150	15	(J23255) - Master Test Control Circuit Units — Master Test Frame
819-603-150	11	(J23061) - Intraoffice Trunks — Equipment Units	819-703-150	16	(J23256) - Trunk Test Equipment Units Associated With the Master Test Frame
Addendum	2		Addendum	2	
819-604-150	6	(J23065) - Intermarker Group and Intertrain Trunks — Equipment Units	819-704-150	6	(J23258) - Register and CAMA Sender Test Equipment Units Mounted on Control Bays — Master Test Frame
819-605-150	13	(J23056) - Trunks and Lines Equipment Units — Associated With Line Link Frames	819-708-150	4	(J24759) - AMA Translator Line Verification Test Equipment Units and Test Set
Addendum	1		□ 819-710-150	10	(J98501) - Manual Outgoing Trunk Test Frame and Outgoing Trunk Test Jack Bay (also numbered 817-705-150 and 818-708-150) NOTE: Replaced by 817-710-150
819-606-150	8	(J23063) - Two-Way Trunks — Equipment Units	819-712-150	17	(J23450) - Automatic Progression Trunk Test Frames
819-607-150	15	(J23055) - Outgoing Trunks Equipment Units — Associated With Senders	819-712-151	1	(J23262) - Test Access Frame for Automatic Call Distribution
819-608-150	13	(J23057) - Outgoing Trunks Equipment Units — Not Associated With Senders	Addendum	1	
819-609-150	13	(J23058) - Service Trunks and Miscellaneous Relay Rack Equipment Units	819-712-152	1	(J23266) - Automatic Call Distribution Test Frames
819-610-150	3	(J23067) - CAMA Trunks and Miscellaneous Equipment Units	Addendum	2	
819-611-150	6	(J23069) - Centrex Trunks and Miscellaneous Equipment Units	819-713-150	7	(J23260) - Office Test Frame
Addendum	1		819-713-151	4	(J23263) - Remote Office Test Frame
819-612-150	8	(J23059) - Test Trunk Equipment Units — Miscellaneous Relay Rack Mounted	819-714-150	4	(J23650) - Line Insulation Test Frame
Addendum	1		819-715-150	1	(J23264) - Automatic Range Extension
819-613-150	2	(J23071) - Wideband, Associated Audio, and Maintenance Trunks and Associated Frames			

**819-7 Test and Alarm Equipments**

**Test Frames**

819-700-150	18	(J23252) - Master Test Frame
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**Test Sets**

819-730-150	4	(J24756) - Sender Test Set and Register and CAMA Sender Test Sets
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Number	Issue	Subject
☐ 819-731-150	5	(J24753) - Test Set for Timing Tests NOTE: Replaced by 817-723-150
819-732-150	1	(J24761) - 4-Wire Timing Test Set
Addendum	2	
819-733-150	1	(J24763) - Priming Set for Trunk Test Register
<b>Alarm Equipment</b>		
819-750-150	7	(J28353) - Alarm Equipment Units
☐ 819-751-150	15	(J98304) - Alarm Transfer Equipment Units NOTE: Replaced 801-601-156
☐ 819-752-150	6	(J99232) - Audible and Visual Alarm Equipment Units for Interconnection of No. 5 Crossbar with Other Systems (also numbered 801-601-151) NOTE: Replaced 801-601-151
Addendum	1	
819-753-150	6	(J23060) - Alarm and Timing Equipment Units Associated With Permanent Signal Holding Test Trunk — Selecting and Concentrating Equipments

**819-9 No. 3 and 5A Crossbar**

**General Information and Miscellaneous Frames and Equipments**

819-900-155	2	(J29157) - Power, Ringing, and Tone Distributing Frame
819-900-156	1	(J29163) - Message and Traffic Register Frame and Associated Equipment Units
819-900-180	1	Performance Requirements on Site Tests

**Automatic Number Identification Equipments**

819-901-150	1	(J29152) - Translator Frame — Automatic Number Identification
819-901-151	1	(J29153) - ANI Transverter and Connector Frame — Automatic Number Identification

Number	Issue	Subject
<b>Link and Junctor Grouping Equipments</b>		
819-902-150	1	(J29159) - Basic 490 Line, Line Link Frame
819-902-151	1	(J29160) - Trunk Link Frame
819-902-152	1	(J29161) - Incoming Register Link Coin Supervisory Link, Outgoing Sender Link and Stuck Sender Trunk Identifier Units

**Marker, Connector, and Number Group Equipments**

819-903-150	1	(J29151) - Marker Frame
819-903-160	1	(J29156) - Connector Frame
819-903-168	1	(J29166) - Number Group Frame

**Register, Sender, and Translator Equipments**

819-904-150	1	(J29164) - Originating Register Frame
819-904-151	1	(J29168) - Incoming Register Frame
819-904-160	1	(J29167) - Outgoing Sender — Relay Rack Frame

**Trunk Equipments**

819-906-150	3	(J29154) - General Information and Index Section for Trunk Table — Listing Trunk Equipment Units — Functions, Features, and Options
819-906-151	1	(J29154) - Trunk Table PA — Intraoffice and Reverting Call — Trunks — Listing Trunk Equipment Units — Functions, Features and Options
819-906-152	2	(J29154) - Trunk Table PB — Trunks Incoming to No. 5A Equipment — Listing Trunk Equipment Units — Functions, Features and Options
819-906-153	2	(J29154) - Trunk Table PC — Outgoing Full Selector Trunks — Listing Trunk Equipment Units — Functions, Features and Options
819-906-154	1	(J29154) - Trunk Table PD — Outgoing Trunks to Switchboards — Listing Trunk Equipment Units — Functions, Features and Options
819-906-155	2	(J29154) - Trunk Table PM — 2-Way Trunks — Listing Trunk Equipment Units — Functions, Features and Options

Number	Issue	Subject	Number	Issue	Subject
819-906-156	2	(J29162) - Trunk Frames	819-910-165	2	(J29360) - Trunk Table CP — Outgoing Trunks — Machine Switched — Listing Trunk Equipment Units — Functions, Features and Options
<b>Test and Alarm Equipments</b>					
Addendum	2				
819-907-150	2	(J29165) - Test and Recorder Frame	819-910-166	2	(J29360) - Trunk Table DP — Outgoing Trunk — Associated With Switchboards — Listing Trunk Equipment Units — Functions, Features and Options
819-907-151	2	(J29158) - Trouble Analyzer & Display Console — Tape Recorder & Trouble Record Trunk Unit and Remote Make-Busy and Restore Control Unit	819-910-167	2	(J29360) - Trunk Table EP — Trunks for Maintenance Purposes — Listing Trunk Equipment Units — Functions, Features and Options
<b>No. 3 Crossbar</b>					
819-910-150	1	(J29350) - General Outline — Operating and Equipment Features	819-910-168	3	(J29360) - Trunk Table FP — Intercept Trunks — Listing Trunk Equipment Units — Functions, Features and Options
819-910-151	2	(J29351) - Marker Frame			
819-910-152	2	(J29352) - Line Number Translator and Connector Frame	819-910-169	2	(J29360) - Trunk Table GP — Miscellaneous Lines, Control and Indicating Units — Listing Trunk Equipment Units — Functions, Features and Options
819-910-153	1	(J29353) - Line Link and Line Block Frames			
819-910-154	2	(J29354) - Trunk Frames	819-910-170	3	(J29360) - Trunk Table MP — 2-Way Trunks — Listing Trunk Equipment Units — Functions, Features and Options
Addendum	1				
819-910-155	3	(J29355) - Test Frame	819-910-180	1	Performance Requirements on Site Tests
819-910-156	2	(J29356) - Incoming Register-Originating Register 0 Frame — Originating Register Frame and Extension Incoming Register Frame			
819-910-157	1	(J29357) - Outgoing Sender Frame			
819-910-159	1	(J29359) - Loop and Leak Test Unit			
819-910-160	4	(J29360) - General Information and Index Section for Trunk Table Listing Trunk Equipment Units — Functions, Features and Options			
819-910-162	2	(J29362) - Miscellaneous Frame Mounted Units			
819-910-163	1	(J29360) - Trunk Table AP — Intraoffice and Reverting — Call Trunks — Listing Trunk Equipment Units — Functions, Features and Options			
819-910-164	2	(J29360) - Trunk Table BP — Trunks Incoming to No. 3 Equipment — Listing Trunk Equipment Units — Functions, Features and Options			

**Division 820****Equipment Design, General Requirements and Engineering Information — 1, 1A, 2, 2A, 3, and 4ESS™ and 5ESS® 1A Processor**

820-0 Index; 1 ESS™ — General, Trunks and Frames

820-1 1 ESS Switching Networks

820-2 1 ESS System Control

820-3 1 ESS Equipments Arranged with 4-Wire Features

820-4 1 ESS Equipments Arranged with Data Features

820-5 1 ESS Test, Maintenance, and Accounting

820-6 2, 2A, and 3 ESS

820-7 1A ESS, 4ESS™, 1A Processor, and Remote Switching Systems

820-8 5ESS® Switch

Number	Issue	Subject
<b>820-0 Index; 1 ESS™ — General, Trunks and Frames</b>		
<b>Indexes</b>		
820-000-000	92	Numerical Index — Division 820 — Equipment Design and General Equipment Requirements and Engineering Information — 1, 1A, 2, 2A, 3, and 4ESS™ and 5ESS®, and 1A Processor
<b>General</b>		
Addendum	3	
820-001-150	3	(J1A055) - Central Office Equipment — General Outline
820-001-170	1	Central Office Engineering — General — Engineering Information — No. 1 Electronic Switching System
820-001-180	6	Performance Requirements — Arranged With 2-Wire Features
820-005-150	8	(J1A063) - Trunk Order Codes — No. 1 ESS™ — Arranged With 2-Wire Features

Number	Issue	Subject
820-007-150	1	(J1A057) - Index of Equipment Cross-Connections
820-008-150	2	(J1A065) - B-Link Distribution — Arranged With 2-Wire Features
820-009-150	3	(J1A056) - Limiting Conductor Conditions
820-010-170	2	Signaling Range Limits — 1 ESS

**Trunks and Frames**

820-028-150	3	(J1A035) - Power Distributing Frame
820-030-150	3	(J1A058) - Recorded Announcement Frame — No. 1, No. 1A, and No. 2 Electronic Switching Systems — Control and Distribution Frame for Use With the Common Systems Recorded Announcement Frame (CSRAF) — No. 1 and No. 1A Electronic Switching Systems (also numbered 820-640-151)
820-031-150	5	(J1A033) - Miscellaneous Trunk Frames and Units
820-031-151	6	(J1A048) - Miscellaneous Frames and Units — Arranged With 2-Wire and 4-Wire Features
820-031-153	2	(J1A088) - Combined Miscellaneous Trunk Frames and Units — Common Systems
820-031-154	1	(J1A089) - 60A CPS Attendant Interface Frame — No. 1 Arranged With 2-Wire Features
820-032-150	1	(J1A083) - Dynamic Overload Control Transmitter Frame — Arranged With 2-Wire Features
820-050-150	1	(J1A052) - End Guards, Aisle Directories — Cable Rack Support Stanchion and Miscellaneous Alarm Units
820-053-150	1	(J1A053) - Filter Units
820-069-151	1	(J1A094) - Data Terminal Group
Addendum	1	
820-070-150	2	(J1A068) - Centrex Data Link Frame and Centrex Console Cabinet Equipment — Arranged With 2-Wire Features

Number	Issue	Subject	Number	Issue	Subject
<b>820-1 1 ESS Switching Networks</b>			820-230-150	3	(J1A034) - Central Pulse Distributor Frame — Arranged With 2-Wire, 4-Wire, And Data Features
820-101-150	2	(J1A028) - Line Switching Frame	Addendum	1	
820-104-150	1	(J1A030) - Trunk Switching Frame	820-232-150	3	(J1A043) - Master Scanner Frame — Arranged With 2-Wire, 4-Wire, and Data Features (Also numbered 820-630-155 and 821-410-154)
820-104-152	1	(J1A078) - Remreed Trunk Switching Frame — No. 1 and No. 1A			
820-105-150	1	(J1A070) - Service Link Frames — Arranged With 2-Wire Features			
820-106-150	1	(J1A029) - Junctor Switching Frame	<b>820-3 1 ESS Equipments Arranged with 4-Wire Features</b>		
820-108-150	3	(J1A031) - Junctor Frame	Addendum	1	
820-110-150	1	(J1A047) - Junctor Grouping Frame	820-301-150	3	(J2A002) - Trunk Switching Frame
820-110-151	1	(J1A085) - 12-File Junctor Grouping Frame	Addendum	1	
820-120-150	5	(J1A032) - Universal Trunk Frame	820-303-150	3	(J2A001) - Junctor Switching Frame
820-120-151	1	(J1A084) - Miniaturized Universal Trunk Frame — No. 1 ESS — Equipment Design Requirements — Electronic Switching System	820-304-150	1	(J2A005) - Junctor Grouping Frame
820-121-150	1	(J1A090) - HILO Universal Trunk Frame	Addendum	2	
820-121-151	1	(J1A091) - HILO Miscellaneous Trunk Frame — No. 1 and No. 1A ESS	820-307-150	2	(J2A004) - Universal Trunk Frame
<b>820-2 1 ESS System Control</b>			820-308-150	4	(J2A003) - Miscellaneous Trunk Frame
820-200-150	1	(J1A037) - Central Control	820-315-150	3	(J2A006) - Filter Units
820-202-150	3	(J1A038) - Call Store — For Use With Central Control and Signal Processor and Buffer Control	820-316-150	1	(J2A016) - Office Status Display Frame
820-202-151	4	(J1A072) - 32K Call Store for Use With Central Control and Signal Processor and Buffer Control	820-316-151	1	(J2A017) - Office Status Display Remote Units — No. 1 ESS Arranged With 4-Wire Features
820-204-150	2	(J1A039) - Program Store	① 820-320-150	1	(J2A007) Simplex Converter Frame Arranged With 4-Wire Features
820-204-151	2	(J1A064) - Program Store Memory — Arranged With 2-Wire Features	① 820-321-150	2	(J2A011) Preempt Tone and Repeated Alerting Line Applique Frame — Arranged With 4-Wire Features
Addendum	1		① 820-322-150	1	(J2A009) Multiaddress Frame — Offices Arranged With 4-Wire Features
820-204-152	2	(J2A013) - Program Store Memory — Arranged With 4-Wire Features	① 820-323-150	2	(J2A010) Line Applique Frame — Offices Arranged With 4-Wire Features
820-206-150	1	(J1A049) - Signal Processor	820-324-150	2	(J2A008) - Control, Display, and Test Frame — Master Control Center



Number	Issue	Subject	Number	Issue	Subject
<b>820-4 1 ESS Equipments Arranged with Data Features</b>			<b>820-6 2, 2A, and 3 ESS</b>		
820-401-150	1	(J3A001) - Magnetic Character Assembler Disassembler	<b>General</b>		
820-402-150	2	(J3A002) - Delay Line Character Assembler/ Disassembler (DCAD)	820-600-151	3	(J2H032) - Limiting Conductor Conditions — No. 2 and No. 2B — Arranged With 2-Wire Features
820-403-150	1	(J3A004) - Logic Character Assembler Disassembler	820-600-152	4	(J2H031) - Trunk Equipment Tables — Arranged by Functions and Features — Arranged With 2-Wire Features
820-404-150	2	(J3A006) - Tape Unit Control Frame	820-600-153	3	(J2H033) - Index of Equipment Cross- Connections — No. 2 and No. 2B ESS Arranged With 2-Wire Features
820-404-151	1	(J3A005) - Tape Unit Frame	Addendum	1	
820-405-150	2	(J3A007) - Primary Message Store	820-600-154	1	(J2H035) - 2-Wire No. 2 or 2B ESS Arranged in Modular Buildings — No. 2A or 2C ESS
820-406-150	1	(J3A008) - Buffer Control	820-600-155	2	(J2H104AA-1) — Serial Peripheral Unit Controller/Data Link (SPUC/DL) — 2B Electronic Switching System
820-407-150	1	(J3A016) - Program Store Memory — Arranged With Data Features	820-600-180	4	Performance Requirements — Arranged With 2-Wire Features
820-410-150	1	(J3A013) - Voiceband Digital Data Set Frame	820-600-186	4	Performance Requirements — No. 2B ESS
<b>820-5 1 ESS Test, Maintenance, and Accounting</b>			<b>Trunks and Frames</b>		
Addendum	1		820-610-150	1	(J2H017) - Universal Trunk and Junctor Frame — Arranged With 2-Wire Features
820-501-150	3	(J1A041) - Automatic Message Accounting and Teletypewriter Frame and Universal Teletypewriter Equipment — Master Control Console	820-610-151	3	(J2H018) - Miscellaneous Trunk Frame — Arranged With 2-Wire Features
820-501-151	1	(J1A071) - Test Tape for 9-Track AMA — Arranged With 2-Wire Features	820-610-153	2	(J2H034) - Range Extension Frame — Arranged With 2-Wire Features
820-502-150	6	(J1A042) - Control Display, and Test Frame — Master Control Center and Supplementary Trunk Test Frame — Arranged With 2-Wire and Data Features	<b>Switching Networks</b>		
820-502-151	1	(J1A076) - Remote Office Test Line — No. 1 or No. 1A ESS — Arranged With 2-Wire Features	820-620-150	2	(J2H022) - Junctor Grouping Frame — Arranged for 2-Wire Features
820-503-150	1	(J1A040) - Memory Card Writer Frame — Master Control Center	820-620-151	1	(J2H025) - Line/Trunk Switching Frame — Arranged With 2-Wire Features
□ 820-504-150	5	(J24753) - Test Set for Timing Tests NOTE: Replaced by 817-723-150	820-620-152	1	(J2H026) - Network Control Junctor Switching Frame
820-505-150	1	(J1A069) - Plug-in Trunk Unit Test Stand — Arranged With 2-Wire Features	820-620-154	1	(J2H124) - Remreed Network — No. 2 and No. 2B — Electronic Switching Systems
820-505-151	2	(J1A082) - Outgoing Test Trunk Set for Board-to-Board Testing Arranged With 2-Wire Features			

Number	Issue	Subject	Number	Issue	Subject
820-620-155	1	(J2H048) - Loop Range Extension — Common ESS Arranged With 2-Wire Features	<b>Test, Maintenance and Accounting</b>		
<b>System Control</b>			Addendum	1	
820-630-150	2	(J2H002) - Central Processor Frame — No. 2 ESS Arranged With 2-Wire Features or — Automatic Intercept Center No. 1A in AIS Electronic Switching and Traffic Service System (Also numbered 821-410-150)	820-640-150	3	(J2H003) - Maintenance Center Frame — No. 2 ESS Arranged With 2-Wire Features or Automatic Intercept Center No. 1A in AIS — Electronic Switching and Traffic Service Systems (Also numbered 821-410-151)
820-630-151	2	(J2H005) - Call Store — No. 2 ESS Arranged With 2-Wire Features or Automatic Intercept Center No. 1A in AIS — Electronic Switching and Traffic Service Systems (Also numbered 821-410-152)	□ 820-640-151	3	(J1A058) - Recorded Announcement Frame — No. 1, No. 1A, and No. 2 Electronic Switching Systems — Control and Distribution Frame for Use With the Common Systems Recorded Announcement Frame (CSRAF) — No. 1 and No. 1A Electronic Switching Systems (also numbered 820-030-150) NOTE: Replaced by 820-030-150
820-630-152	2	(J2H023) - Supplementary Central Pulse Distributor Frame — Arranged With 2-Wire Features	820-640-152	2	(J2H039) - Remote Office Test Line Frame — No. 2 ESS — Arranged With 2-Wire Features
820-630-153	4	(J2H030) - Program Store Memory — Arranged With 2-Wire Features	820-640-153	2	(J2H024) - Trunk Test Frame — No. 2 ESS Arranged With 2-Wire Features Equipment Design Requirements — Electronic Switching Systems
820-630-154	2	(J2H027) - Program Store Frame — No. 2 ESS Arranged With 2-Wire Features or Automatic Intercept Center 1A in AIS — Electronic Switching and Traffic Service Systems (Also numbered 821-410-155)	820-640-154	1	(J2H021) - Automatic Message Accounting Frame
□ 820-630-155	3	(J1A043) - Master Scanner Frame — No. 1 ESS Arranged With 2-Wire, 4-Wire, and Data Features or No. 2 ESS Arranged With 2-Wire Features or Automatic Intercept Center No. 1A in AIS — Electronic Switching and Traffic Service Systems (Also numbered 820-232-150 and 821-410-154) NOTE: Replaced by 820-232-150	820-650-180	2	Performance Requirements — No. 3 ESS
820-630-158	1	(J2H101) - Tape Cartridge (KS-21439 Data Cartridge) No. 2B ESS Arranged With 2-Wire Features	820-651-150	1	(J3H001) - No. 3 ESS Equipment Design Requirement — Electronic Switching System
<b>820-7 1A ESS, 4ESS™, No. 1A Processor, and Remote Switching Systems</b>					
<b>No. 1A Processor</b>					
			820-701-150	3	(J5A001) - Processor Peripheral Interface Frame, Control and Display Frame, and Master Control Console — Arranged for 1A ESS Switch 2-Wire and 4ESS Switch
			820-701-151	2	(J5A005) - Central Control Frame — 1A Processor — Arranged for 1A ESS* Switch 2-Wire and 4ESS Switch



**Division 821**

**Equipment Design and General Requirements and Engineering Information — Traffic Service Systems**

**821-0 Indexes, General Information, and Miscellaneous Equipments**

**821-1 Traffic Service Position System No. 1**

**821-4 Automatic Intercept System**

**821-7 Switchboards and Operating Room Desks and Associated Equipment**

**821-9 Auxiliary Service Positions**

Number	Issue	Subject
821-006-156	2	(J92904) - Operators Keypulsing Drill Table
821-006-157	1	(J99249) - Portable Switchboard Section — CAMA Training
821-007-150	1	(J61557) - Toll Switchboards — Modifications Required to Provide Mobile Radio Telephone Service
821-007-151	5	(J67301) - Pneumatic Ticket Distributing System — Toll Switchboards No. 1, 3, and 3C
821-007-155	6	(J65701) - Distributing, Ticket Filing, and Rate Quoting Desk No. 43A, 43B and 43C
821-007-180	2	Performance Requirements — Pneumatic Ticket Distributing System
821-009-150	4	(J99224) - Noise Reduction Equipment for Operating Rooms

Number Issue Subject

**821-0 Indexes, General Information, and Miscellaneous Equipments**

**Indexes**

821-000-000	7	Numerical Index — Division 821 — Equipment Design and General Equipment Requirements and Engineering Information — Traffic Service Systems
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**General**

821-005-150	5	(J99280) - Centralized Supervisory Equipment
Addendum	1	
821-006-150	3	(J1B023) - Mechanized or Programmable System for Operator Training — Traffic Service Position No. 100B or 100C
821-006-151	6	(J61532) - Toll Operators Training Equipment
Addendum	1	
821-006-152	3	(J61565) - No. 3CL Switchboard Energized Permanent Operator — Training Equipment
821-006-153	3	(J92901) - DSA Operators' No. 2B Training Equipment
821-006-154	1	(J92902) - 3A Information Operator's Training Equipment
821-006-155	4	(J92903) - No. 4A Operator Training Equipment

**821-1 Traffic Service Position System No. 1**

**General**

821-100-150	3	(J1B000) - General
821-100-180	3	Performance Requirements
821-101-150	4	(J1B017) - Trunk Tables Showing Trunk Equipment Arranged by Functions and Features — No. 1 and 1B

**Frames**

Addendum	2	
821-120-150	6	(J1B001) - Universal Trunk Frame
Addendum	1	
821-121-150	5	(J1B002) - Trunk Link Network Frames — No. 1 and 1B
Addendum	1	
821-122-150	4	(J1B003) - Position Link Network Frames
Addendum	1	
821-123-150	5	(J1B004) - Miscellaneous Trunk Frame
Addendum	1	
821-124-150	5	(J1B005) - Position Group Gate Frame
Addendum	1	
821-125-150	5	(J1B006) - Position Scan Frame



Number	Issue	Subject	Number	Issue	Subject
□ 821-410-151	3	(J2H003) - Maintenance Center Frame — No. 2 ESS Arranged With 2-Wire Features or Automatic Intercept Center No. 1A in AIS (Also numbered NOTE: Replaced by 820-640-150	821-700-152	1	(J61541) - Toll Switchboard No. 1 — AC Key Pulsing and Associated Cord Modifications
□ 821-410-152	2	(J2H005) - Call Store — No. 2 ESS Arranged With 2-Wire Features or Automatic Intercept Center No. 1A in AIS (Also numbered 820-630-151) NOTE: Replaced by 820-630-151	821-700-153	6	(J61554) - No. 1 Toll Switchboard — 92 Jack — Three and Nine 8-1/2 Inch Panel Sections
821-410-153	2	(J1B021) - Automatic Intercept Center No. 1A	Addendum	1	
□ 821-410-154	3	(J1A043) - Master Scanner Frame — No. 1 ESS Arranged With 2-Wire, 4-Wire, and Data Features or No. 2 ESS Arranged With 2-Wire Features or Automatic Intercept Center No. 1A in AIS (Also numbered 820-232-150 and NOTE: Replaced by 820-322-150	821-700-154	3	(J61525) - No. 1, 3, 3C, and 3CL Toll Switchboards — Intertoll Dialing Equipment Arranged for CX, SX, SF, or N1 Carrier Signaling
			821-700-157	6	(J61555) - No. 3 Toll Switchboard — 92 Jack Switchboard Equipment — Three or Nine 8-1/2 Inch Panel Sections
			Addendum	1	
			821-700-159	7	(J61528) - No. 3CL Toll Switchboard — Keyshelf Height 40 Inches — Position Lower Unit Equipment — 8-1/2 Inch Panel Section
			821-700-160	4	(J61529) - No. 3C Toll Switchboard Equipment
			Addendum	1	
□ 821-410-155	2	(J2H027) - Program Store Frame — No. 1 ESS Arranged With 2-Wire Features or Automatic Intercept Center 1A in AIS (Also numbered NOTE: Replaced by 820-630-154	821-700-161	6	(J61540) - No. 3C and 3CF Toll Switchboards — Keyshelf Height 30 Inches — Position Unit Equipment — 8-1/2 Inch Panel Sections
			821-700-162	5	(J61535) - No. 3CF Toll Switchboard and Associated Equipment
			Addendum	1	
<b>Miscellaneous</b>			821-700-165	7	(J91107) - No. 3CL Switchboard — Positional Lower Unit Equipment — Toll and Dial Systems "A" Switchboards
821-420-150	2	(J1B022) - Centralized Intercept Bureau No. 1A for Use in Automatic Intercept System	821-700-166	2	(J91110) - No. 3CL Switchboard — 8-1/2 Inch Panel Switchboard Sections
821-420-151	1	(J1B032) - Program Store Memory — No. 1A	821-700-167	2	(J91111) - Miscellaneous Switchboard Position Equipment — Toll, DSA, and Manual Switchboards
821-420-152	1	(J1B042) - File Access Subsystem — For Use With Automatic Intercept Center No. 1A	821-700-168	3	(J91112) - AC Lamp Equipment for Idle Indication — DSA, Toll, and Telegraph Switchboards
821-420-153	2	(J1B055) - No. 2 Data Base Administration System	821-700-180	2	Performance Requirements — No. 1 and 1B Toll Switchboards — No. 3, 3B, 3C, 3CF, and 3CL Switchboards
<b>821-7 Switchboards and Operating Room Desks and Associated Equipment</b>					
821-700-150	4	(J91501) — 8 1/2" Panel Switchboard Sections			

Number	Issue	Subject	Number	Issue	Subject
821-701-150	7	(J61558) - No. 5 Toll Switchboard — Position Lower Unit Equipment — 8-1/2 Inch Panel Sections	821-706-152	10	(J61533) - Relay Rack Mounted Units — Toll Switchboards
821-701-151	4	(J61559) - No. 5 Toll Switchboard — Switchboard Equipment	821-706-153	5	(J61571) - Intertoll Trunks — Relay-Rack Mounted Units — Toll Switchboards
821-701-155	1	(J61568) - No. 5C Switchboard — Switchboard Equipment	Addendum	1	
821-701-159	3	(J61566) - No. 5C and 5D Switchboards — Position Lower Unit Equipment — 8-1/2 Inch Panel Sections	821-706-154	8	(J61572) - Toll Switching Trunk — Relay Rack Units — Toll Switchboards
821-701-160	2	(J61567) - No. 5D Switchboard — Switchboard Equipment	Addendum	1	
Addendum	1		821-706-155	3	(J61574) - Subscriber Lines — Relay Rack Units — Toll Switchboards
821-702-150	1	(J1B029) - Incoming, Outgoing, and 2-Way Trunks — Relay Rack Units	Addendum	1	
821-702-151	7	(J61585) - Incoming, Outgoing and Two-Way Trunks — Relay Rack Units — Toll Switchboards	821-706-156	4	(J61575) - Operator Office Trunks — Relay Rack Units — Toll Switchboards
821-703-150	2	(J1B030) - Multipoint Conference Service- Trunk and Control Equipment	821-706-157	4	(J61576) - Tandem Trunks — Relay Rack Mounted Units — Toll Switchboards
821-703-151	1	(J1B036) - Trunk Equipment — Coastal Harbor Radio Telephone Service — Single Sideband Operation for Use With Toll Switchboards — No. 3, 3C and 3CL	821-706-158	5	(J61577) - DSA Service — Relay Rack Mounted Units — Toll Switchboards
Addendum	1		821-706-159	2	(J61578) - Intraoffice Trunks — Relay Rack Mounted Units — Toll Switchboards
821-704-150	11	(J94910) - Framework and Equipment for No. 23 Operating Room Desk	Addendum	2	
821-704-151	5	(J94911) — No. 23 — General	821-706-160	8	(J61579) - Miscellaneous Relay Rack Units — Toll Switchboards
821-704-152	1	(J1B037) — Incoming Trunk Test Set for Use With No. 23 Operating Room — Desk Trunk Concentrator Arranged for ANI Operation — AIS System	821-708-150	9	(J61504) - Sender Frames and Units and Associated Sender Test Frame Equipment for Use With No. 1, 3, 3B, 3C, and 3CL Toll Switchboards Arranged to Receive DC or MF Key pulses and Transmit Revertive Pulses
821-704-180	1	Performance Requirements — Operating Room Desks — No. 23A, 23B, 23C, and 23D	821-708-151	8	(J93201) - Sender Frames and Units and Associated Equipment for Use With No. 1, 1B, 3, 3B, 3C, and 3CL Toll Switchboards and No. 15C or 15D Switchboard in Step-by-Step Offices and With Incoming Multifrequency Intertoll Trunks
821-706-150	6	(J61573) - Recording and Recording Completing Trunk — Relay Rack Mounted Units — Toll Switchboards	821-708-152	7	(J98401) - Links and Link Frame for Use With No. 1, 1B, 3, 3B, 3C, and 3CL Toll Switchboards or Step-by-Step DSA Switchboard
Addendum	1				
821-706-151	12	(J61508) - Relay Rack Mounted Units — Toll Switchboards			

Number	Issue	Subject	Number	Issue	Subject
821-709-150	8	(J93401) - Sender Test Frame, Manual Tests Units, and Common Timing and Alarm Units for Testing Senders Arranged to Receive DC Key Pulses or Multifrequency Pulses and to Transmit Dial Pulses for Use With No. 1, 1B, 3, 3B, 3C, or 3CL Toll Switchboard and No. 15-Type Switchboard in Step-by-Step Offices or With Incoming Multifrequency Intertoll Trunks	821-715-152	6	(J93002) - Equipment Arrangements for Information Trunks Arranged for Transfer — No. 1 and 2 Information Desks and No. 17D and 19 Operating Room Desks
Addendum	1		821-716-152	3	(J95408) - No. 2 Information Desk
821-709-151	3	(J63003) - Position Test Units — No. 1, 3, 3B, and 3C Toll Switchboards — No. 3CL and 11 Switchboards — No. 8 Test and Control Board — No. 5, 16, 17B, and 18B Testboards — No. 9 Telegraph Testboard	Addendum	2	
821-709-152	4	(J64717) - Control Set (Box Type) for Position Test Circuit — No. 3, 3B, and 3C Toll Switchboards, No. 11 Switchboard, No. 8 Test and Control Board, No. 5, 16, 17B and 18B Toll Testboards, No. 9 Telegraph Testboard	821-716-153	7	(J95401) - No. 3 and 3B Information Desk
821-709-153	2	(J64728) - Testing and Maintenance — Position Testing Control Set and Associated Relay Rack Unit — No. 5, 5C, and 5D Toll Switchboards	821-716-154	4	(J95404) - No. 4 and 4B Information Desks
821-709-154	7	(J64703) - Control Test Set (Box Type) for Continuity and Multiple Jack Testing — No. 1, 1B, and 2 Toll Switchboards — No. 5 and 17C Testboard — No. 18B Testboard in No. 1 or 4 Toll Office — No. 1D, 10, and 11 Switchboards — No. 1 Toll Tandem Switchboard — Tandem Patching Bay — No. 9 Telegraph Testboard	821-716-156	2	(J95406) - Information Desks No. 6A, 6B, 6D, and 6F
Addendum	1		Addendum	2	
821-715-150	3	(J95405) - Equipment in Outlying Offices Associated With Information Desks No. 2, 3, 3A, 3B, 4, 4A, 4B, 6A, 6B, 6C, 6D, 6E, 6F, 7, and 7A and Operating Room Desk No. 19, 23E, and 23F	821-716-160	2	(J95412) - Information Desks No. 3A, 4A, 6C, and 6E — Modification of Existing Installations to Increase Speed of Trunk Hunting Selectors
			821-716-180	1	Performance Requirements — Information Desks No. 3, 4, 6A, and 6B — Order Turret No. 3
			Addendum	1	
			821-717-150	6	(J95414) - No. 7 and 7A Information Desks
<b>821-9 Auxiliary Service Positions</b>					
			821-901-150	2	(J1B027) - Position Simulator Test Set — No. 1A, 2A, 2B, 2C
			821-902-150	2	(J1B028) - Position Test Set — No. 1A, 2A, 2B, 2C
			Addendum	1	
			821-903-150	2	(J1B024) - No. 1A
			Addendum	1	
			821-903-151	2	(J1B025) - Framework and Equipment
			Addendum	1	
			821-904-150	4	(J1B026) - No. 1A, 2A, 2B, or 2C, — Relay Rack Mounted Units



Number	Issue	Subject
Addendum	1	
821-905-151	1	(J1B038) - No. 5B1 and 5C1 for Use With No. 5 Crossbar ACD — Not Arranged for Call Transfer
821-905-152	1	(J1B039) - No. 5B2 & 5C2 and Associated Supervisory Equipment for Use With No. 5 Crossbar ACD — Arranged for Call Transfer

**Division 822**

**Equipment Design and General Requirements and Engineering Information — Traffic Management Systems**

**822-0 Index**

**820-1 Traffic Data Recording and Measuring**

**820-2 Service Observing and Evaluation**

Number	Issue	Subject
<b>822-0 Index</b>		
822-000-000	57	Numerical Index — Division 822 — Equipment Design and General Equipment Requirements and Engineering Information — Traffic Management Systems
<b>822-1 Traffic Data Recording and Measuring</b>		
822-101-150	2	(J92606) - No. 1 Portable Traffic Usage Recorder
822-101-170	1	No. 1 Portable
822-102-150	6	(J99263) - 2A Traffic Usage Recorder (CTUR)
822-103-150	4	(J99319) - 3B Traffic Usage Recorder
822-104-150	3	(J3B012) - 3C Traffic Usage Recorder and BOFADS Interface Equipment for Use With Key Telephone Systems
822-104-151	1	(J3B042) - Traffic Data Interface for Use With Key Telephone Systems in the Business Office Force Administration — Data Systems (BOFADS)
822-105-150	9	(J92604) - 4A Traffic Usage Recorder
822-105-170	3	Traffic Usage Recorder
822-110-150	7	(J3B005) - Traffic Measurement System No. 1A
822-110-170	1	Traffic Measurement System No. 1A — General Features and Arrangements

Number	Issue	Subject
Addendum	1	
822-115-150	2	(J92610) - Traffic Data Recording System No. 1A
822-115-151	2	(J92612) - Traffic Data Summarizer — Traffic Data Recording System No. 1A
822-115-152	1	(J92613) - Traffic Data Remote Recorder — Traffic Data Recording System No. 1A
822-115-153	2	(J94734) - Traffic Data Converter Test Set — Traffic Data Recording System No. 1A
822-115-180	2	Performance Requirements for Traffic Data Summarizer — Traffic Data Recording System No. 1A
822-116-150	1	(J3B018) - Engineering and Administrative Data Acquisition System (EADAS) — Central Office Terminal Equipment
822-116-151	1	(J3B019) - Engineering and Administrative Data Acquisition System (EADAS) — Central Unit
■ 822-116-152	1	(J3B020) - Engineering and Administrative Data Acquisition System (EADAS) — Generic Program
822-116-153	1	(J3B022) - Engineering and Administrative Data Acquisition System/Network Management System
822-116-154	1	(J3B023) - Engineering and Administrative Data Acquisition System (EADAS) — Pollable Data Terminal No. 1A
822-120-150	2	(J92605) - Traffic Register Camera Control Panel — Traffic Register Camera Control Unit
822-121-150	4	(J92609) - KS-15947 Totalizer and KS-15946 Totalizer Test Set
822-121-151	2	(J3B014) - Switchboard Totalizer Interface Equipment
Addendum	1	
822-122-150	3	(J92614) - Administrative Cabinet Equipment
822-123-150	10	(J93809) - Answering Time Recorders for Use With Manual, DSA, or Toll Switchboards and No. 3 Order Turret

Number	Issue	Subject	Number	Issue	Subject
Addendum	3		822-204-158	3	(J3B007) - No. 5 Crossbar Automatic Call Distributing
822-125-150	6	(J99231) - Dial Tone Speed Register and Indicating Equipment	Addendum	1	
822-125-151	3	(J3B021) - Electronic Dial Tone Speed Register Unit	822-204-159	1	(J79910) - Equipment Units for Service Observing No. 6A Teletypewriter Switchboard — Central Office Data Systems
822-126-150	4	(J3B008) - Traffic Measurement Equipment for Use With No. 5 Crossbar Office — Arranged for Automatic Call Distribution	822-204-160	2	(J1A046) - Equipment Units for Service Observing in an Electronic Switching System No. 1 Office
822-128-150	1	(J3B017) - Cord Switchboard FADS Interface Unit	Addendum	1	
<b>822-2 Service Observing and Evaluation</b>			822-204-161	2	(J70151) - Operator Training and Position Monitoring Desk for Use with No. 6A TWX Switchboard Line Service Observing Teletypewriter Auxiliary Equipment for Use With No. 7 or 12 Service Observing Desk
822-201-150	3	(J93805) - Central Service Observing Desk	822-204-171	3	No. 12 Service Observing Desk — General Information — Desk Circuits and Equipment
Addendum	1		822-204-172	1	Incoming Intertoll Service Observing Circuits
822-202-151	3	(J33023) - Relay Rack Units for Service Observing	822-204-173	2	No. 12 Service Observing Desk — Cord Service Observing Circuits
822-202-152	3	(J93018) - Equipment Units for No. 7 Service Observing Desk Position and Relay Rack Units for Service Observing	822-204-174	2	No. 12 Service Observing Desk — Speed-of-Answer and Auxiliary Service Observing Circuits
822-203-150	6	(J93811) - No. 10 Service Observing Desk	822-204-175	2	No. 12 Service Observing Desk — Local Dial Line Service Observing Circuits
822-204-150	4	(J93814) - No. 12 Service Observing Desk	822-204-176	2	No. 12 Service Observing Desk — AMA and CAMA Service Observing Circuits
822-204-151	15	(J93815) - Equipment Units for No. 12 Service Observing Desk and No. 7 Service Observing Desk Modified for No. 12 Service Observing Desk Facilities	822-204-177	1	No. 12 — Data Systems Service Observing Circuits
822-204-152	7	(J93004) - Relay Rack Units for Service Observing Desks	822-204-180	1	Performance Requirements for Operator Training Desk Used with No. 6A Teletypewriter Switchboard
822-204-153	12	(J93802) - Monitoring Amplifiers and Associated Units	822-204-181	1	Performance Requirements for Position Monitoring Desk Used with No. 6A Teletypewriter Switchboard
Addendum	2		822-204-182	5	Performance Requirements for Incoming Trunk and Distribution Position, Telephone, and MF Receiving Circuits — No. 7 or 12 Service Observing Desk
822-204-154	3	(J23850) - Service Observing Frame and Units — Automatic Message Accounting			
Addendum	1				
822-204-155	2	(J99298) - Equipment Units for Service Observing No. 100A Traffic Service Position			
822-204-156	2	(J3B001) - Equipment Units for Service Observing AMA-DDD Outgoing Traffic in No. 1 Electronic Switching System			
822-204-157	3	(J3B003) - Service Observing Frame for Observing on Traffic Service Position System No. 1			

Number	Issue	Subject
822-205-150	6	(J23851) - Service Observing Patching Panel for Patching Service Observing Call Thru Test Set, and Cord Monitoring — No. 1 and No. 5 Crossbar Systems
822-210-150	3	(J99207) - Central Office Observing Set No. 2
822-211-150	4	(J93813) - No. 4 Service Observing Set and No. 2 Dial Pulse Recorder Set — Portable Type
822-212-150	5	(J93806) - No. 6 Service Observing Set
822-213-150	2	(J3B015) - No. 7B Service Observing Set
822-213-151	2	(J3B013) - Console for Use With No. 7B Service Observing Set
Addendum	1	
822-220-150	1	(J3B009) - Special Studies Set No. 1A
822-220-151	2	(J3B010) - Call Data Recorder for Use With Special Studies Set No. 1A
822-220-152	2	(J3B011) - Signal Converter
822-230-150	2	(J3B025) - Service Evaluation System No. 1A — Minicomputer Subsystem
Addendum	1	
822-230-151	1	(J3B026) - Service Evaluation System No. 1A — Signal Converter/Allotter
822-230-152	1	(J3B028) - Service Evaluation System No. 1A — Signal Converter/Allotter Test Set
822-230-157	1	(J3B041) - Evaluator Certification and Instruction — Call Simulator and Control Cabinet — Service Evaluation System No. 1A

**Division 823****Equipment Design and General Requirements and Engineering Information — No. 101 Electronic Switching System****823-0 Indexes, General Information, and Miscellaneous Equipments****823-1 Customer Premises Equipments****823-2 Central Office Equipments**

Number	Issue	Subject
<b>823-0 Indexes, General Information, and Miscellaneous Equipments</b>		
<b>Indexes</b>		
823-000-000	35	Numerical Index — Division 828 — Equipment Design and General Equipment Requirements and Engineering Information — No. 101 Electronic Switching System
<b>General</b>		
823-005-150	3	(J1H000) - General
823-005-180	1	Performance Requirements

**823-1 Customer Premises Equipments**

823-101-155

2

(J1H021) - Optional Equipment for 2A and 3A Switch Units

823-102-150

6

(J1H012) - 2A Switch Unit

Addendum

1

823-103-150

3

(J1H013) - 3A Switch Unit

823-104-150

3

(J1H018) - 4A Switch Unit — Summarizing Specification

823-104-151

3

(J1H014) - Line Connector

823-110-150

4

(J1H020) - Wall Cabinets

**Number****Issue****Subject****823-2 Central Office Equipments**

Addendum

1

823-201-150

2

(J1H001) - Control Unit — Summarizing Specification

823-205-150

4

(J1H008) - Semipermanent Stores

823-210-150

8

(J1H002) - Call Processor Frames

823-211-150

6

(J1H003) - Line Data Frame

823-212-150

6

(J1H004) - Digit Data Frames

823-213-150

8

(J1H005) - Trunk Control Frame and Associated Trunk Relay Frame Equipment

823-214-150

6

(J1H010) - Trunk Relay Frame

823-215-150

7

(J1H006) - Maintenance Center

823-217-150

3

(J1H022) - Program Store Memory

**Division 824**

**Equipment Design and General Requirements —  
Operations Support Systems**

**824-0 Index**

**824-1 Equipment Requirements and Engineering Information**

- 100 Central Office Switching
- 101 Transmission
- 102 Miscellaneous
- 103 OS Equipment

Number	Issue	Subject
824-000-000	94	Numerical Index — Division 824 — Equipment Design and General Equipment Requirements and Engineering Information — Operations Support Systems (5-95)

**824-1 Equipment Requirements and Engineering Information**

**824-100 Central Office Switching**

Number	Issue	Subject
Addendum	1	
824-100-102	1	(J1P006) — No. 1 Automatic Message Accounting Recording Center for Use in Recording of Calling Data From Remote Central Office Locations
824-100-103	2	(J1P035) — General Outline Operating and Equipment Features — Automatic Trouble Analysis System
824-100-105	4	(J1P040) — No. 1A Automatic Message Accounting Recording Center
824-100-106	1	(J1P044A) — Remote Memory Position
824-100-108	1	Remote Memory Administration System 1RM2 — Equipment Design Description

Number	Issue	Subject
824-100-110	4	(J1C016) — Switching Control Center Equipment — No. 1 Switching Control Center System
824-100-111	1	Performance Requirements — Centralized Switching Systems Maintenance — Switching Control Center Equipment — Common
824-100-112	2	(J1P018) — Switching Control Center Equipment — No. 2 Switching Control Center System and Automatic Trouble Analysis System
824-100-113	1	Performance Requirements — Centralized Switching Systems Maintenance — Switching Control Center System Central Control Unit — Common
824-100-114	1	(J1P003) — Central Unit and E2A Remote Unit Equipment — Centralized Status, Alarm and Control System — Common
824-100-118	1	(J1P086) — COMPULERT® Computer Administration and Maintenance System

**824-101 Transmission**

Number	Issue	Subject
824-101-100	2	(J1P001) — Circuit Maintenance System 1A
824-101-101	2	(J1P000) — Test Position No. 51A
824-101-102	2	(J1P017) — Surveillance and Control of Transmission System (SCOTS) — Transmission
824-101-103	1	(J1P012) — Outgoing Trunk Testing System
824-101-104	2	(J98722) — T-Carrier Administration System — Remote Office Equipment for Use With Digital Transmission Systems
824-101-105	2	(J63006) — Cable Pressure Telemetry — Central Control Unit
824-101-106	3	(J1P025) — T-Carrier Administration System (TCAS) — Central Terminal Equipment For Use With Digital Transmission Systems
Addendum	1	
824-101-107	2	(J1P027) — Circuit Maintenance System 2A

Number	Issue	Subject	Number	Issue	Subject
824-101-108	4	(J92621) — E2A Telemetry System	<b>824-102 Miscellaneous</b>		
824-101-109	2	(J1P029) — E2A Telemetry System — Alarm Remote and Carrier Alarm Scanner Bays	824-102-100	3	(J1P002) — Remote Test System No. 1A
824-101-110	8	(J64092) — 92 Type Carrier Transmission Maintenance System	824-102-101	1	(J1P011) — Test Position 52A
824-101-111	2	Regional Maintenance Management System (RMMS)	824-102-103	1	(J1P019) — Protector and Distributing Frame — Test/Talk System
■ 824-101-111AC	3	RMMS (Regional Maintenance Management System)	824-102-104	1	(J2H037) — Type Operated Memory Update System Frames — Central Office
824-101-112	6	CAROT (Centralized Automatic Reporting on Trunks) — CC2, CC3, and CC4 Controller	824-102-110	4	(J95006) — Consoles and Associated Equipment — Exchange Testing — Line Status Verifier
824-101-113	1	(J1P030) — E3 Alarm Central Equipment Design Requirements	824-102-111	1	(J1P009) — Attendant Training Simulator — Exchange Testing — Line Status Verifier
824-101-114	5	(J1P032) — Circuit Maintenance Systems 1B and 1C	824-102-112	10	(J1P023) — Automated Repair Service Bureau
824-101-115	1	(J1P034) — Telecommunications Alarm Surveillance and Control (TASC) System	824-102-113	1	(J1P024) — Trouble Report Evaluation and Analysis Tool (TREAT)
824-101-116	3	(J1P037) — Circuit Maintenance System 3A	Addendum	1	
824-101-117	1	(J1P047) — Test Position No. 53A — Equipment Design Requirements	824-102-115	1	(J1P028) — Automated Trouble Reporting System (ATRS)
824-101-118	1	(J1P051) — Remote Trunk Test Unit (RTTU)	824-102-117	5	(J1P033) — Relay Rack Equipment — SMAS 5A or SMAS 5B/RTS 5A
824-101-120	1	(J1P005) — Automatic Data Test System	Addendum	1	
824-101-121	2	(J1P005A) — Automatic Data Test System (ADTS) — Performance Requirements	824-102-118	2	(J1P038) — No. 1 Hotel Billing Information System/Centralized Credit Refund System
824-101-122	2	(J1P056) — Digital Alarm Scanner — E Telemetry Systems	824-102-120	3	(J1C013) — Cable Pressure Monitoring System
824-101-123	2	(J1P057) — Advanced Telemetry Processor and General Telemetry Processor — E Telemetry Systems	824-102-121	2	(J1C013AE) — Performance Requirements for Cable Pressure Monitoring System — Satellite Data Acquisition Terminal
824-101-124	1	Central Trunk Test Unit (CTTU) — Equipment Design Requirements — Operations Support Systems	824-102-124	1	(J1P043) — Message Recording Trunk Trouble Analysis System (MRTTA)
824-101-125	1	(J1P065) — No. 2 Process Controller/CMS 3A Common Backup	Addendum	1	
			824-102-130	4	RMS (Remote Measurement System) — Digital 1 — Engineering Manual
			824-102-131	3	RMS-D2 — Engineering Manual (AT&T-NSD Version) (5-92)
			824-102-132	1	RMS — D3 Engineering Manual
			824-102-133	5	Remote Measurement System — Metallic — Engineering Manual (6-93)

Number	Issue	Subject
824-102-134	3	SARTS PC (Switched Access Remote Test System — Process Controller) — Engineering Manual — Upgrade Procedures
■ 824-102-137	2	SARTS TA201:XL — Engineering Manual
824-102-140	2	RMS-MS — Engineering Manual
824-102-141	2	RMS-DS1 Engineering Manual
824-102-142	4	SARTS — TA201:XL — Technical Specifications (9-93)
Revision 1	6-93	
824-102-143	1	M-DRIVER Engineering Manual
824-102-145	1	Telemetry Network Controller (TNC) — Engineering Guidelines
824-102-146	1	General Telemetry Processor (GTP) — Provisioning Guidelines
Revision 4B	6/95	
Revision 4A	9/94	
824-102-148	4	2000 Family of Products — Operations Systems Engineering Guide (5-94)
824-102-149	1	SLC-2000 Access System Operations Systems Engineering Guide (8-94)
824-102-150	2	RMS-D2 Release 5 Engineering Manual — (Local Exchange Carriers Version) (5-93)
824-102-152	1	Remote Measurement System-International (RMS-I) DTU Engineering Manual (2-94)
■ 824-102-155	1	RMS-2000 Engineering Manual (6-93)
■ 824-102-156AI	1	Sentry ATTS Engineering Manual (International) (1-94)



**Division 825****Equipment Design and General Requirements —  
Common Channel Signaling System (CCSS)****825-0 Indexes and General Information****825-1 Network Control Points (NCP)****825-2 Signal Transfer Points (STP)**

Number	Issue	Subject
<b>825-0 Indexes and General Information</b>		
825-000-000	10	Numerical Index — Division 825 — Equipment Design and General Equipment Requirements — Common Channel Signaling System (CCSS)
<b>825-1 Network Control Points (NCP)</b>		
825-100-000	1	(J3F001) — No. 1A — Equipment Design Requirements and General Description

Number	Issue	Subject
<b>825-2 Signal Transfer Points (STP)</b>		
825-200-001	1	(J3F006) — System Application Requirements — No. 2
825-210-000	1	(J3F007) — Communications and Maintenance Frame — No. 2
825-210-001	1	(J3F008) — AC Power and Alarm Frame — No. 2
825-210-002	2	(J3F012) — Voice Frequency Link Test Frame and Test Set — No. 2
825-210-003	1	(J3F013) — Office Service Frame — No. 2
825-210-004	1	(J3F014) — Maintenance Data Set Frame — No. 2
825-220-000	2	(J3F009) — Analog Facility Access Frame — Common Network Interface — No. 2 Signal Transfer Point
Addendum	1	
825-220-001	2	(J3F010) — Digital Facility Access Frame — Common Network Interface
825-230-000	2	(J3F011) — Ring Node Frame — No. 2
825-230-001	1	(J3F015) — Link Distribution Frame — Common Network Interface — No. 2

**Division 851**

**Special Services Systems — Engineering Design Information**

**851-0 Indexes**

**851-1 Switched Services Networks**

**851-2 Nonswitched Special Services Systems**

- 200 General Design Considerations
- 201 1A Protective Relaying Terminal
- 202 Point-to-Point Private Line Telephone Service
- 220/221 Design Considerations for Nonconsolidated Equipment Arrangements
- 222/240 Design Considerations of Special Multipoint Systems

**851-3 Switched Special Systems**

- 300 General Design Considerations
- 301 Design Considerations for Special Service Circuits Terminating at a Registered Interface Point
- 311/326 Design Considerations of Special Access Circuits
- 330 Design Considerations of Centrex Service
- 340 Miscellaneous Design Considerations

**851-4 Conferencing Arrangements**

- 410 PBZX Conference Circuits

Number	Issue	Subject
Addendum	4	
851-100-103	5	Common Control Switching Arrangement (CCSA) — Transmission and Signaling Design — Access Lines — Directly-Homed Stations
Addendum	5	
851-100-104	2	Common Control Switching Arrangement (CCSA) — Access Lines — PBX, Centrex, and Automatic Call Distributor
851-100-106	1	Common Control Switching Arrangement (CCSA) — Transmission and Signaling Design — Access Lines-Off Network
Addendum	1	
851-101-100	1	AUTOVON — Transmission and Signaling Design — General
851-101-101	1	AUTOVON — Transmission and Signaling Design — Inter-machine Trunks
851-101-102	1	AUTOVON — Transmission and Signaling Design — PBX and Centrex Access Lines
851-101-103	1	AUTOVON — Transmission and Signaling Design — Subscriber Lines
851-101-104	1	AUTOVON — Transmission and Signaling Design — Special Subscriber and PBX Access Lines
851-101-105	1	AUTOVON — Transmission and Signaling Design — Bridging and Conferencing Arrangements
851-103-100	2	Enhanced Private Switched Communications Service (EPSCS) — General Transmission and Signaling Design
851-103-101	1	Enhanced Private Switched Communications Service (EPSCS) — Transmission and Signaling Design — Inter-machine Trunks
851-103-102	2	Enhanced Private Switched Communications Service (EPSCS) — Directly Homed Station Access Lines — Transmission and Signaling Design
851-103-103	1	Enhanced Private Switched Communications Service (EPSCS) — Transmission and Signaling Design — PBX, CTX, and Bypass Access Lines

Number Issue Subject

**851-0 Indexes**

851-000-000 67 Numerical Index — Division 851 — Special Services Systems — Engineering Design Information

**851-1 Switched Services Networks**

Addendum 1  
 851-100-100 4 Common Control Switching Arrangement (CCSA) — Transmission and Signaling Design — General  
 851-100-102 4 Common Control Switching Arrangement (CCSA) — Transmission and Signaling Design — Inter-machine Trunks

Number	Issue	Subject	Number	Issue	Subject
851-103-104	3	Enhanced Private Switched Communications Service — Off-Net Access Lines — Transmission and Signaling Design	<b>851-3 Switched Special Services Systems</b>		
<b>851-2 Nonswitched Special Services Systems</b>			<b>851-300 General Design Considerations</b>		
<b>851-200 General Design Considerations</b>			851-300-100	4	Transmission Design Considerations and Objectives — Switched Special Services and Private Branch (PBX) Automatic Call Distribution (ACD)/Centrex Station Services
851-200-100	1	Design of Multistation Private Line Telephone Circuits	Addendum	4	
<b>851-201 1A Protective Relaying Terminal</b>			851-300-101	2	Standard Design of Switched Special Services Circuits — Transmission and Signaling — General
Addendum	1		851-300-105	1	Standard Design of Switched Special Services Circuits — Reasons for Touch-Up Adjustments
851-201-100	1	System Considerations	851-300-106	1	Standard Design of Switched Special Services Circuits — Administrative and Maintenance Considerations — SARTS — CMS 3A — SSC
851-201-101	3	Transmission Specifications and Considerations	851-300-110	1	Standard Design of Switched Special Services Circuits — E6 Repeater Application — Nonloaded Cable
<b>851-202 Point-to-Point Private Line Telephone Service</b>			851-300-111	2	Standard Design of Switched Special Services Circuits — E6 Repeater Application — Loaded Cable
851-202-101	1	2-Wire and 4-Wire Private Line Automatic Ringdown Voice Circuits — Standard Designs	851-300-112	1	Standard Design of Switched Special Services Circuits — Application of Impedance Compensating Networks — Nonloaded Cable
<b>851-220/221 Design Considerations for Nonconsolidated Equipment Arrangements</b>			851-300-113	2	Standard Design of Switched Special Service Circuits — Application of Impedance Compensating Networks — Loaded Cable
851-220-101	1	Bridging Circuit for Two-Wire Multistation Private Line Networks	851-300-114	1	Standard Design of Switched Special Services Circuits — Application of Repeater Disablers
851-221-101	2	Station Terminating Arrangements for Multistation Private Line Circuits	851-300-120	1	Standard Design of Switched Special Services Circuits — V4 Repeater Application — Circuit Layout Details
<b>851-222/240 Design Considerations of Special Multipoint Systems</b>			Addendum	1	
851-222-101	1	Four-Wire Multipoint Voice Services — Transmission and Signaling Design	851-300-130	2	Standard Design of Switched Special Services Circuits — Application of Metallic Facility Terminal Circuits
851-230-101	1	Group Alerting System — Transmission Design Considerations			
851-231-101	3	Intercommunicating System for School-to- Home Use			
851-232-101	1	Anti-Aircraft Operation Control System for Defended Cities and Strategic Areas			
851-240-101	2	Switching System No. 310 — Transmission Engineering Considerations			

Number	Issue	Subject
851-300-141	3	Standard Design of Switched Special Services Circuits — Common Language Equipment Codes
851-300-150	4	Type F and G Inband Single Frequency Signaling Equipment — Engineering Design Information
851-300-151	2	Application of Echo Suppressors — Standard Design of Switched Special Services Circuits
851-300-155	3	Standard Design of Switched Special Services Circuits — Applications of Digital Carrier Systems — Using D-Type Channel Banks
851-300-165	2	Customer Line Signaling — General Signaling Information Standard Design of Switched Special Services Circuits
Addendum	2	
851-300-170	3	Signaling Range Information — Transmission and Signaling Design

**851-301 Design Considerations for Special Service Circuits Terminating at a Registered Interface Point**

851-301-101	1	Switched Special Services Circuits Connecting With Registered Terminal Interface — Transmission and Signaling Standard Design
851-301-102	1	PBX-Central Office and Local Wide Area Telecommunications — Service Trunks With SLC® 96 Subscriber Loop Carrier System — Transmission and Signaling Design
851-301-112	1	Short- and Long-Haul PBX Off-Premises Lines — Registered Interface — Transmission and Signaling Design
851-301-121	1	Foreign Exchange, Remote Wide Area Telecommunications Service, and Centrex Station Lines — Registered Interface — Transmission and Signaling Design
851-301-122	1	Foreign Exchange, Long Distance, and Remote Wide Area Telecommunication Service Trunks — Transmission and Signaling Design

Number	Issue	Subject
851-301-141	1	Direct Inward Dialing Trunks — Registered Interface — Transmission and Signaling — Design Considerations
851-301-165	1	Customer Line Signaling — General Signaling Information — Registered Interface — Standard Design of Switched Special Services Circuits
851-301-170	1	Signaling Range Information — Registered Interface — Standard Design of Switched Special Services Circuits
851-301-321	1	Four Wire PBX Dial Trunks — Registered Interface — Transmission and Signaling Design
851-310-101	1	Effect of PBX Trunk and Cord Circuits Upon Station Loop Current

**851-311/326 Design Considerations of Special Access Circuits**

851-311-101	3	Transmission and Signaling Design of PBX- CO and Local WATS Trunks for PBXs Requiring Terminal Balance
851-311-102	4	Transmission and Signaling Design of PBX- Central Office and Local Wide Area Telecommunications Service Trunks
851-311-112	3	Short- and Long-Haul PBX Off-Premises Lines — Metallic Facility Terminal Applications — Transmission and Signaling Design
Addendum	3	
851-311-121	3	Transmission and Signaling Design of Foreign Exchange, Remote Wide Area Telephone Service and Centrex Station Lines
Addendum	3	
851-311-122	3	Transmission and Signaling Design of Foreign Exchange, Long Distance, and Remote Wide Area Telephone Service Trunks
Addendum	3	
851-311-141	1	Transmission and Signaling — Design of PBX Direct Inward Dialing (DID) Trunks

Number	Issue	Subject	Number	Issue	Subject
851-311-151	1	No. 2A, 2B, and 3A — Commercial Automatic Call Distributing (C/ACD) System Trunks — Standard Transmission and Signaling Designs	851-400-101	1	Three-Branch Nonrepeated Bridge
Addendum	1		851-400-104	2	Multipoint Conference Bridge Circuit with Switched-Gain Amplifiers (SD-5G099- 01) — Transmission Design
851-319-100	1	Transmission and Signal Design of Enhanced 911 Service Trunks	851-400-200AC	1	Norad Alert System Remotely Programmable Conference Arranger B 24 Port — Remotely Programmable Conference Arranger (RPCA)
851-320-101	1	Foreign Exchange and Wide Area Telecommunications — Special Services With a 4-Wire Customer Interface — Transmission and Signaling Design	■ 851-400-900	B	24 Port — Remotely Programmable Conference Arranger (RPCA)
851-321-101	3	Transmission and Signaling Design of 4- Wire PBX Dial Tie Trunks	■ 851-400-901AC	2	24/56 Port — Remotely Programmable Conference Arranger (RPCA)
851-326-101	1	Transmission and Signaling Design of 4- Wire PBX Dial Tie Trunks — Long Haul	■ 851-400-902AC	1	48 Port — Automatic Conference Arranger (ACA) — Installation, Operation, and Maintenance
<b>851-330 Design Considerations of Centrex Service</b>			<b>851-410 PBX Conference Circuits</b>		
851-330-100	3	Transmission Engineering Considerations and Objectives — Centrex-CO Switched — Special Services	851-410-100	1	PBX Conference Bridge Circuits — General
851-330-122	2	Transmission Design Objectives — Centrex Service FX Trunks and Remote WATS Trunk — Switched Special System Engineering	851-410-101	1	PBX Conference Bridge Circuits — Two- Wire Nongain Type
<b>851-340 Miscellaneous Design Considerations</b>			851-410-102	1	PBX Conference Bridge Circuits — Two- Wire Gain Type — With E-Type Repeater
Addendum	2		851-410-103	1	PBX Conference Bridge Circuits — Four- Wire Gain Type — With V-Type Repeaters
851-340-100	1	Use of Hybrid Type Repeaters	851-410-104	1	PBX Conference Bridge Circuits — Two- Wire Gain Type — With Transistor Amplifiers
851-340-101	1	Telephone Circuits — Arrangement of V3 Repeaters	851-410-105	1	Connecting Circuits for Use With Transistorized Conference Bridge Circuits
<b>851-4 Conferencing Arrangements</b>			851-411-101	1	Command Conference Circuit
■ 851-400-004AC	2	24/56 Port — Enhanced Remotely Programmable Conference Arranger	851-420-100	1	Transmission and Engineering Considerations — General
851-400-006	1	Digital Remotely Programmable Conference Arranger — Installation and Operation			
851-400-100	2	Toll Conference Grouping Circuit — Six Outlet — V-Repeated Arrangement			

**Division 852**

**Exchange Area And Operator Services Transmission**

852-0 Index

852-1 General Information

852-2 Station Loops and Sets — Design of Loops

852-3 Exchange Area Trunks

852-4 Operator Services Transmission

852-5 Loudspeaker, Announcement and Automatic Telephone Answering and Recording Systems

Number	Issue	Subject
852-0 Index		
852-000-000	35	Numerical Index — Division 852 — Exchange Area and Operator Services Transmission

852-1 General Information

852-100-100	3	Exchange Area Transmission Objectives
852-100-101	1	Crosstalk — General Considerations
852-100-102	1	Exchange Area Crosstalk Application of Crosstalk Index
852-100-103	1	Crosstalk Index Calculations — Exchange Area Trunks and Special Service Lines
852-100-104	1	Crosstalk Considerations Non-staggered Twist Cable

**Transmission Considerations and Performance**

852-105-100	1	Involved in Engineering Community Dial Offices and Central Switchboards
852-108-101	1	Characteristics of 94E and 94F — Battery Supply Repeating Coils
852-108-102	1	108A and 108B Repeating Coils
852-108-103	1	
852-108-103	2	Characteristics of 120C, D, E, F, G, H, I, K, and L Repeating Coils

Number	Issue	Subject
852-110-100	2	Metropolitan Tandem Networks — Transmission Design

852-2 Station Loops and Sets — Design of Loops

852-200-102	1	Subscriber Loops — Factors Affecting Insertion Loss
-------------	---	---

**Loop Checker Generator**

852-211-100	1	Determination of Output Slope
852-211-101	1	Application to Nonloaded Loops

**Bridge Lifters**

852-215-102	1	Unigauge Plant — Two-Part Bridge Lifter for Central Office Use
-------------	---	--

**Telephone Sets — 500 Series**

852-220-100	1	General Description
852-220-101	1	Transmission Performance — A, B, J, and K Series
852-220-102	2	Transmission Performance — C and D Series

852-3 Exchange Area Trunks

852-300-100	2	Standard Message — Trunk Design System (SMETDS)
852-301-100	2	General Design Considerations
852-301-101	3	Design of Interlocal Trunks
852-303-100	2	Field of Use of End-Office — Intertoll-Type High Usage Groups

**Negative Impedance Repeaters**

852-305-100	1	Return Loss Computations for the Stability and Singing Margin Design Methods — Exchange Area Facilities
Addendum	1	
852-305-101	1	Design of Circuits Using the ET Repeater on Loaded Facilities
852-305-102	2	Design of Circuits Using Series Type
852-305-103	1	Series Type — Network Design and Selection
852-305-104	1	Provided By Series E-Type Repeaters

Number	Issue	Subject	Number	Issue	Subject
852-305-105	1	Network Constants for E-Type Repeaters	Addendum	1	
<b>V4 Telephone Repeaters</b>			852-406-100	1	No. 5 Crossbar Automatic Call Distributor System — Transmission Engineering Considerations — Phase I Systems
852-307-100	2	Engineering — General	852-406-101	2	No. 5 Crossbar — Automatic Call Distributor System — Phase II — Transmission Engineering Considerations
Addendum	2		852-406-102	1	No. 23 Automatic Call Distributing (ACD) System — Transmission Engineering Considerations
852-307-101	2	Engineering — Message Circuits	852-406-103	1	No. 5 Crossbar Automatic Call Distributor System — Transmission Engineering Considerations Phase 1 — Extended Range
852-307-102	2	Engineering — Loss and Gain Calculations	852-407-100	1	Overseas Operator — Bridged Access Trunking Arrangements for IOC and IOTC Operation — Transmission and Signaling Considerations
<b>852-4 Operator Services Transmission</b>			852-408-100	1	No. 23 Trunk Concentrator — Engineering Considerations
852-400-010	1	Through and Terminal Balance — Office Certification Operator and Attendant Services — System	852-408-101	1	No. 1 Trunk Concentrator Transmission Engineering Considerations
852-400-100	1	Operator's Telephone Circuits — Transmission Considerations	<b>852-5 Loudspeaker, Announcement and Automatic Telephone Answering and Recording Systems</b>		
852-400-101	1	Operator's Telephone Circuits — Induction Coils	<b>Loudspeaker Arrangements</b>		
852-400-102	1	Operator's Telephone Circuits — Telephone Sets	852-515-100	5	For Conference Service and Service Observing
<b>Intercepting Service — Transmission Features</b>			852-516-100	1	For Conference Service KS-19134, L1 Conference Set
852-401-100	1	Overall Considerations	852-517-100	3	Loudspeaker Paging Systems
852-401-101	1	Central Office Arrangements	852-517-101	3	Loudspeaker Paging Systems — Transmission Characteristics of Loudspeakers
852-401-102	1	Operator's with Voice Controlled — Positional Gain Units	852-517-102	1	Paging Systems — Characteristics of Carbon Transmitters
852-401-103	1	With Announcing Machines	<b>Announcement Systems</b>		
<b>Information Service</b>			Addendum	1	
852-402-100	1	Information Service	852-520-100	1	General Transmission Design Considerations
852-403-100	1	Traffic Service Position — Crossbar Tandem Offices — Transmission Design	Addendum	1	
852-404-100	4	Traffic Service Position System No. 1 and No. 1B — Transmission Plan and Transmission Engineering Considerations	852-521-100	1	Time Announcement System — Preliminary Notes on Transmission Features
■ 852-404-100AC	5	Traffic Service Position System No. 1 and No. 1B — Transmission Plan and Transmission Engineering Design Considerations			
Addendum	5				
852-405-100	1	Automatic Intercept System — Transmission Considerations			
852-405-101	1	Automatic Intercept System — Extended Range — Transmission Considerations			

Number	Issue	Subject
852-522-100	1	Subscriber-Operated Time Announcement Systems — Announcement Systems No. 2B and 2C
852-523-100	2	3A Announcement System — Transmission Design Considerations
Addendum	2	
852-524-100	1	4A Time Announcement System
852-525-100	1	Intercept Announcement Systems — Layout Features
852-526-100	2	8A Announcement System
852-527-100	2	9A Announcement System
852-528-100	1	11A Announcement System
852-530-100	1	Emergency Announcement System

**Automatic Answering and Recording Systems**

Addendum	1	
852-550-100	2	50-Type Recorder Connectors
Addendum	2	
852-551-100	1	Automatic Telephone Answering and Recording — 1AA Telephone Answering Set
852-551-101	1	Automatic Telephone Answering and Recording — KS-14580 Telephone Answering Set (Peatrophone)
852-552-100	2	Voice Storage System and Mass Announcement Service — Transmission Engineering Considerations



**Division 853****Toll Transmission****853-0 Index and General****853-1 Toll Circuit Engineering Considerations****853-3 Toll Facilities — Open Wire and Cable****853-4 Toll Office Considerations and Signaling****853-5 Through and Terminal Balance**

Number	Issue	Subject
<b>853-0 Index and General</b>		
853-000-000	16	Numerical Index — Division 853 — Toll Transmission
853-010-100	1	Design of Toll Connecting Trunks Associated With 2-Wire Toll Switching
853-010-101	1	Design of Toll Connecting Trunks in Area Having 4-Wire Toll Switching
853-010-102	1	Notes on Design of Toll Connecting and Tandem Trunks When Intertoll or Intertandem Trunks Are Terminated on 2-Wire Switches at VNL
853-010-103	1	Crosstalk Between Toll Circuits — General Engineering Considerations
853-010-104	1	Cable Crosstalk Coupling — General Engineering Procedure
853-010-105	1	Cable Crosstalk Coupling — Other Factors Affecting Toll Cable Crosstalk
853-010-106	1	Measured Cable Crosstalk Coupling — Calculation of Statistical Values
853-010-107	1	Number Splicing

**853-1 Toll Circuit Engineering Considerations****Toll Circuit Design**

853-100-100	1	Transmission Considerations Involved in Laying Out Message Toll Telephone Circuits
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Number	Issue	Subject
853-100-101	2	Via Net Loss Concept and Application
853-101-100	3	Trunk Transmission Design — Loss Objectives
853-102-100	1	Singing Computation Procedures — Message Toll Telephone Circuits
Addendum	1	
853-103-100	1	Computation of Structural Return Loss — Loaded Toll Cable Circuits
853-104-100	5	Application of Echo Suppressors in the Direct Distance Dialing Network
Addendum	5	
853-105-100	1	Application of the 1A Compandor to Telephone Message Circuits
853-106-100	1	Toll Transmission Surveys

**General Toll Switching Plan**

853-108-100	2	General Considerations
853-108-101	2	Toll Special Service Telephone Lines — Design Considerations
853-108-102	2	Planning for the Future
853-108-103	2	Pads and Pad Control Arrangements
853-108-104	2	Derivation of V1A Net Loss Factors and S Pads

**No. 4 Crossbar Toll Switching System**

853-110-100	1	Transmission Aspects
853-120-100	1	Digital Switching Systems — Fixed-Loss Transmission Plan
■ 853-120-100AC	2	Digital Switching Systems — Fixed-Loss Transmission Plan

**853-3 Toll Facilities — Open Wire and Cable****Toll Entrance and Intermediate Cables**

Addendum	2	
853-300-100	1	Transmission Engineering Considerations — General Aspects
Addendum	1	
853-300-101	1	Transmission Engineering Considerations — Wire — Types and Arrangements
853-300-102	1	Transmission Engineering Considerations — Transpositions

Number	Issue	Subject
Addendum	1	
853-300-103	1	Transmission Engineering Considerations — Entrance and Intermediate Cables
853-300-104	2	Transmission Engineering Considerations — Autotransformers and Junction Filters
853-300-105	1	Open Wire Circuits of Unusual Gauges and Material — Transmission and Equipment Information
Addendum	1	
853-305-100	1	Voice-Frequency Circuits
853-306-100	1	Crosstalk Considerations — Toll Entrance and Intermediate Cable
<b>Toll Cables</b>		
853-310-100	1	Transmission Variations in Long Toll Cable Circuits
853-311-100	1	General Factors Affecting the Design of Pilot-Wire Transmission Regulator Sections
853-312-100	1	16-Gauge H-44-25 2-Wire Cable Circuits
Addendum	1	
853-313-100	1	Notes on 2-Wire 19-Gauge B and H-88-50 — Cable Circuits
853-314-100	1	4-Wire Cable System Employing 44A1 Repeaters and Associated Apparatus
853-314-101	2	4-Wire Cable System Employing Modified 2-Wire Repeaters

**Cable Capacitance Deviation Splicing**

853-316-100	2	Cable Capacitance Deviation Test Splicing
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**Load Spacing Limits and Building-Out**

Addendum	2	
853-317-100	2	Loading Spacing Limits and Building-Out Practices

Number	Issue	Subject
<b>853-4 Toll Office Considerations and Signaling</b>		
<b>Termination of Toll Circuits</b>		
853-400-100	1	Selection of Phantom Repeating Coils for Voice-Frequency Toll Circuits
Addendum	1	
853-401-100	1	Characteristics of Phantom Repeating Coils
<b>853-5 Through and Terminal Balance</b>		
<b>General</b>		
853-500-100	2	General Engineering Considerations
853-500-110	4	Switching Entity Certification Requirements — Message Trunk Network

**Division 855****Carrier Engineering****855-0 Index****855-1 General Principles**

-100 Engineering Guidelines

**855-3 System Application**

-300 General

-305 TASI (Time Assignment Speech Interpolation)

-310 Multiplex Terminals

-330 K, N, O, ON, and U Carriers

-340 L-Carriers

-350 Digital Transmission Systems

-360 Broadband Connections

Number	Issue	Subject
<b>855-0 Index</b>		
855-000-000	32	Numerical Index — Division 855 — Carrier Engineering
<b>855-1 General Principles</b>		
<b>855-100 Engineering Guidelines</b>		
855-100-100	1	Broadband Restoration of Analog Facilities
855-100-101	1	Rearrangements at the DS3 and DS4 Levels of the Digital Hierarchy
<b>855-3 System Application</b>		
<b>855-300 General</b>		
855-300-101	3	Carrier Synchronization Network
855-300-102	1	Carrier Digital Synchronization Network — System Application
<b>855-305 TASI (Time Assignment Speech Interpolation)</b>		
855-305-100	2	International TASI-E — Application Engineering

Number	Issue	Subject
<b>855-310/329 Multiplex Terminals</b>		
<b>Analog Multiplex Terminals</b>		
Addendum	1	
855-310-101	3	System Application
<b>Applications Engineering</b>		
855-311-100	4	Facility Connectors — LT-1 Connector — System Application
855-311-105	3	Facility Connectors — LT-1B Connector — System Application
Addendum	1	
855-311-110	1	LT-2 Digital Transmultiplexer — System Application
■ 855-311-900AC	1	Granger TM7400-M2 TRANSMUX L-to-T
■ 855-311-901AC	1	Granger TM7400-M3 TRANSMUX L-to-T
855-312-100	3	Mastergroup Translator — J68953( ) Equipment — System Application
855-313-100	1	LMX-2 (Including Modified LMX-2) — Application Engineering
855-314-100	3	LMX-3 — Application Engineering
855-315-100	3	MMX-2 — Application Engineering
855-316-100	1	Jumbogroup Multiplex (JMX) — Application Engineering
855-317-100	3	J68955() MMGTK-C — Application Engineering — System Application Multimastergroup Multiplex Equipment
855-318-100	3	J68955() MMTG-C — Multimastergroup Translator 500B Protection Switch — Reference Transmission Unit — AR 6A — Application Engineering
855-320-100	2	Basic Jumbogroup Trunk Bay — Application Engineering
855-321-101	1	M2R — Overall System
855-321-102	1	M2R — Regenerator Arrangements
855-322-101	5	1A Radio Digital System — 1A Radio Digital System
<b>Data Over Voice for L5/L5E Coaxial Cable (DOV-5) — Applications Engineering</b>		
855-323-100	2	DMG-1 Digital Mastergroup System

Number	Issue	Subject
■ 855-323-901AC	1	Data on Mastergroup (DOM) — L4 and L5/L5E Coaxial Systems — FM and SSB Radio Systems
■ 855-323-905AC	1	Digital Transmission System

**855-330 K, N, O, ON, and U Carriers****General**

855-330-100	2	Crosstalk Coordination
855-330-101	2	Joint Operation with K Carrier Systems
855-330-102	2	N in O Entrance Cable

**N and ON Carriers**

855-335-100	5	General Engineering Considerations
855-335-101	7	Carrier Engineering Transmission Engineering and Layout Procedures
855-335-102	4	Repeater Powering
855-335-103	1	Order Wire and Alarm Design Procedures
855-335-104	1	Application of 240-Type Amplifiers
855-335-105	3	Crosstalk Considerations
855-335-106	4	Noise Considerations
Addendum	1	
855-335-107	2	NA1, N1-H, and N2 Repeated Lines — Analysis and Correction of 60-Hz Inductive Interference
Addendum	1	
855-335-108	1	N3-L Junctions
855-335-110	1	Type O Carrier — Engineering Considerations

**855-340 L Carrier**

855-340-101	1	Line Engineering Considerations
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**855-343 L3 Carrier**

855-343-101	1	Line Design
855-343-102	1	System Application — Main Station Equipment

**855-344 L4 and L4S Carriers**

855-344-101	2	Line Design
855-344-102	2	Main Station Equipment

**855-345 L5 and L5E Carriers**

855-345-101	4	Line Design
855-345-102	2	Main Station Equipment

**855-346 L5/T4M Joint Operations**

855-346-100	1	Engineering Considerations
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**855-350 Digital Transmission Systems — Cross-Connects and Order-Wire/Order Channel Facilities**

855-350-102	1	800-Series DSX — Engineering Applications for New System Installation
855-350-104	3	T1, T1 Outstate, T1C, and T1D — Fault-Locate System Engineering Design
855-350-105	4	DSX-1, DSX-1C, and DSX-2 — New Installation
855-350-106	2	DSX-1 and DSX-1C Retrofit
Addendum	1	
855-350-107	4	T1, T1 Outstate, T1C, T1D, and T2 — Order-Wire System Engineering Design
855-350-108	1	D/T1 System — T1 Central Office Maintenance Center and Other Maintenance Aids
855-350-109	2	T1C Automatic Protection Switch — Design Consideration — Digital Transmission Systems
855-350-115	2	Optical Order Channel and Alarm Telemetry System (OOCAT) — Engineering Design

**855-351 T1 Carrier, D Channel Banks, and MX3/FT3/FT3C Applications**

Addendum	1	
855-351-101	9	T1 Digital Line — Transmission and Outside Plant Design Procedures — Carrier Engineering
Addendum	1	
855-351-102	1	T1 Digital Line Special Engineering and Design Considerations
855-351-103	8	D1, D2, D3, and D4 Digital Channel Banks and D5 Digital Terminal System — Application Engineering

Number	Issue	Subject	Number	Issue	Subject
Addendum	1		<b>588-353 T4M Carrier</b>		
855-351-105	6	D4 Channel Bank Channel Units — Application Engineering	855-353-100	1	Transmission Engineering Considerations
855-351-107	1	D1 Channel Bank Channel Units — Application Engineering	855-353-101	2	Transmission and Outside Plant Design Guide
855-351-108	1	D2 Channel Bank — Channel Units — Application Engineering			
Addendum	1		<b>588-354 Lightwave Digital Transmission Systems and MC-90/180 Maintenance Communication Facility</b>		
855-351-109	2	D3 Channel Bank Channel Units — Application Engineering	855-354-100	2	Engineering and Implementation Methods Systems (EIMS) — Digital Hierarchy
Addendum	2		855-354-102	2	Lightguide Cable — Grounding, Bonding, and Insulation — Engineering Considerations
855-351-110	2	T1C Digital Line — Transmission and Outside Plant Design Procedures	Addendum	1	
855-351-111	1	T1G Digital Transmission System — Transmission and Outside Plant Design Procedures	855-354-110	1	FT3/FT3C/FTX-180 Lightguide Path Tests — Description, Requirements, and Procedures
855-351-115	3	T1D Digital Line — System Application — Transmission and Outside Plant Design Procedures	855-354-115	2	FT3/FT3C Conversion — Planning and Implementation
855-351-120	5	D5 Channel Units — Application Engineering	855-354-116	1	FT3C to FTX-180 Conversion — Planning and Implementation
855-351-121	1	D5 Digital Terminal System Generic 2 — Product Description and Technical Specification	855-354-120	2	FT3C/FTX-180 — Maintenance Features and Interfaces
855-351-122	1	D5 Digital Terminal System Generic 3 — Product Description and Technical Specification	855-354-125	2	MC-90/180 Maintenance Communication Facility for FT3C or FTX-180 Lightwave Systems — Engineering Considerations
855-351-130	1	MX3 Digital Multiplex and FT3 Lightwave Digital Transmission System — Applications Engineering			
855-351-135	2	MX3C Lightwave Terminating Frame, FT3C-SX Lightwave Span Terminating Frame, and FTX-180 Lightwave Digital Transmission Systems	<b>855-355 Digital Loop Carrier System</b>		
855-351-200	2	T1 Outstate Digital Line — Transmission and Outside Plant Design Procedures	● 855-355-000	1	Transmission Products — Generic Specifications NOTE: Contains binder, tabs and 855-355-001 and 855-355-002.
<b>588-352 T2 Carrier</b>			855-355-001	1	Transmission Products Generic Specifications — Document Contents (12-92)
855-352-101	4	T2 Digital Line — Transmission and Outside Plant Design Procedures	855-355-002	1	Asynchronous Digital Multiplexers
855-352-102	3	Interpretation of 3.15-MHz Insertion Loss and DC Resistance Measurements for LOCAP Cable — T2 Digital Line — Digital Transmission Systems	Appendix 1	1	DDM-1000 — Dual DS3 Multiplexer for Both Loop and Trunk
			855-355-003	1	Digital Loop Carrier Systems — Generic Specifications
			Appendix 1	1	SLC® 96 Digital Loop Carrier System
			855-355-004	1	Transmission Products Specifications — Generic Specification

Number	Issue	Subject
Appendix 1	1	SLC Series 5 — Digital Loop Carrier System
855-355-005	1	Transmission Products Specification Digital Cross-Connect Systems (DCS 1/0) — Generic Specification (12-92)
855-355-006	1	Transmission Products Specifications — Lightwave Digital Transmission Systems — Generic Specification
Appendix 1	1	FT Series G — Lightwave Digital Transmission System
Appendix 2	1	FT-2000 OC-48 — Lightwave Transmission System
855-355-007	1	Transmission Products Specifications— Intelligent Bandwidth Management System— Generic Specification
Appendix 1	1	Integrated Access and Cross-Connect System (IACS)
855-355-008	1	Transmission Products Specifications— Digital Microwave — General Specification
855-355-009	1	Transmission Products Specifications — Synchronous Digital Multiplexer — Generic Specification

#### 855-361 Broadband Connections Interim Links

855-361-101	1	Group Entrance Link Per SD-50968-01
855-361-102	1	Supergroup Entrance Link Per SD-50700-01

#### 855-362 Broadband Connection Links

855-362-100	1	General
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**Division 856**

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**Mechanized Transmission — Engineering Tools**

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**856-0 Indexes and General****856-1 Analysis Tools****856-2 Design Programs**

Number	Issue	Subject
<b>856-0 Indexes and General</b>		
856-000-000	6	Numerical Index — Division 856 — Mechanized Transmission En- gineering Tools
<b>856-1 Analysis Tools</b>		
856-100-100	2	Universal Cable Circuit Analysis Program (UNICCAP) — Descrip- tion and Use
<b>856-2 Design Programs</b>		
856-200-100	1	ADE950 Equalizer Program
856-200-200	1	Equalizer Selection Programs Deldis and Delman for the GS- 235 Time-Sharing Computer System

**Division 857**

**Program and Television Engineering**

**857-0 Index**

**857-1 Program Audio Engineering**

**857-3 Television — General**

**857-4 Television — Baseband Systems**

**857-5 Television — RF Cable Systems**

Number	Issue	Subject
<b>857-0 Index</b>		
857-000-000	27	Numerical Index — Division 857 — Program and Television Engineering

**857-1 Program Audio Engineering**

857-100-105	1	Program Audio Services — Premium Grade — Post-Divestiture Electrical Interfaces and Performance Objectives
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**857-110 Local Channel Circuits**

857-110-100	1	Local Channel Circuit — Transmission Design
857-110-105	1	Local Channel Circuits — Design of Stereo Channels
857-110-110	1	Local Channel Circuits — Control of Noise, Distortion, and Crosstalk
857-110-115	1	KS-16831, L1, L2, L3 — Transistor Amplifiers — Local Channel Circuits
857-110-120	1	Equalizer-Amplifier System — KS-20159 — Local Channel Circuits
857-110-121	1	ATP3 Program Amplifier

Number	Issue	Subject
Addendum	1	
857-110-125	1	Loading Systems for Short 15 Kilo-hertz (kHz) Program Transmission Circuits
857-110-130	1	Amplifier System — Local Channel Circuits for Wired Music Distribution Systems

**857-120 Program Operating Center (POC)**

857-120-100	1	Program Operating Center — Description
857-120-110	1	Program Operating Center — Service Design Criteria
857-120-120	1	Audio Program Systems and Services — Program Operating Center (POC) — Equipment Design Criteria
857-120-125	1	Detailed Ordering Information — System Hardware

**857-190 Classes of Program Audio Service**

857-190-105	1	Engineering Considerations for Classes of Program Audio Services — Types 6002 and 6003 Program Facilities — Using Carrier Telephone Systems
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**857-3 Television — General**

**857-300 Fundamentals**

857-300-100	1	Transmission Considerations
857-300-101	1	Color Television
857-300-102	1	The Phase Parameter
857-300-103	1	Undistorted Echo
857-300-104	1	Vertical Test Pattern Wedges
857-300-105	1	Horizontal Synchronizing Interval
857-300-106	1	The Window Signal
857-300-107	1	Echo Rating in Closed Circuit — Television Distribution Systems
857-300-110	1	Television Services — Premium-Grade — Post-Divestiture Electrical Interfaces and Performance Objectives



Number	Issue	Subject
<b>857-4 Television — Baseband Systems</b>		
<b>857-410/420 Video Transmission Systems</b>		
<b>857-410 Type A2</b>		
857-410-100	1	General Information
857-410-101	1	Line Facilities
<b>857-411 Digital Television Lightwave System (DTLS)</b>		
857-411-100	1	Television Engineering — Video Transmission Systems — General Information
857-411-105	2	Application Engineering
<b>857-412 Type A2AT</b>		
857-412-101	2	Application Engineering
<b>857-413 Type 4A</b>		
857-413-101	1	Application Engineering

Number	Issue	Subject
<b>857-5 Television - RF Cable Systems</b>		
<b>857-500 Fundamentals</b>		
857-500-100	2	System Design
<b>857-505 CATV Head-End Transmission Design</b>		
857-505-100	1	General
<b>RF Equipment</b>		
857-505-110	1	Jerrold* Channel Commander
<b>857-510/513 Feeder and Distribution Systems</b>		
<b>857-512 Jerrold Starline - One</b>		
857-512-100	2	General Transmission Design Considerations
857-512-101	2	Feeder Systems
857-512-102	1	Distribution Systems
857-512-103	1	Power Systems

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**Division 859**

**Signal Transmission — Engineering Considerations**

**859-0 Indexes and General Information**

**859-1 Signals, Signaling Systems, Signal Transmission Systems — General**

**859-2 Signal Transmission System**

**859-5 Applications — General**

**859-7 Applications — Private Services**

Number	Issue	Subject
<b>859-5 Applications — General</b>		
859-501-101	1	Compatibility With V4 Equipment
<b>859-7 Applications — Private Services</b>		
859-751-101	2	SS-1 and SS-1A Selective Signaling Systems

Number Issue Subject

**859-0 Indexes and General Information**

859-000-000 9 Numerical Index — Division 859 — Signal Transmission Engineering Considerations

**859-1 Signals, Signaling Systems, Signal Transmission Systems — General**

859-100-100 1 Signals, Signaling Systems, Signal Transmission — General

**859-2 Signal Transmission Systems**

859-201-101 1 Single Frequency — Types V and W

859-210-101 3 2600/2400-Hz Single Frequency — Type E Equipment

859-215-101 1 2600-Hz Single-Frequency System, Type F Equipment — FWA and FWB Units

859-215-102 1 2600-Hz Single-Frequency Systems with Type F 2-Module Signaling Units

859-230-101 3 Multifrequency Pulse System

859-283-101 1 DC Compositing Types

859-288-101 1 DC Auxiliary Pulse Links, Converters, Signal Lead Extension Circuits

859-291-101 1 20 Cycle — Ranges

859-292-101 1 135 Cycle — Principles and Ranges

**Division 860****Picturephone — Service Transmission Engineering****860-0 Index and General****860-1 Network Transmission Design****860-2 Subscriber Plant Design****860-3 Trunk Design****860-6 Private Systems Design**

Number	Issue	Subject
<b>860-0 Index and General</b>		
860-000-000	16	Numerical Index — Division 860 — Picturephone Service Transmission Engineering
860-000-001	1	Section Numbering Plan
860-010-010	1	Abstract and Scope of the Transmission Engineering Task
860-010-100	1	Developing a Serving Arrangement Plan

**860-1 Network Transmission Design**

860-100-100	1	Transmission Network Overview and Video Transmission Plan
860-100-110	1	Audio Network Transmission Plan
860-100-120	1	Video Transmission Network
860-100-451	1	Radio Frequency Interference Guidelines for the Design of Baseband Analog Cable Facilities
860-100-700	1	System Objectives and Allocations

**860-2 Subscriber Plant Design**

860-200-105	1	Guidelines for Engineering Initial Service Cable Equalizer Facilities for Loops and Local Trunks
860-200-200	2	Design Procedures for Initial Service Cable Equalizer Facilities

Number	Issue	Subject
<b>860-3 Trunk Design</b>		
<b>860-340/349 Radio Facilities</b>		
① 860-341-100	1	Digital Transmission on TD Radio (M2R)
<b>860-6 Private Systems Design</b>		
860-600-100	1	Engineering and Maintenance Methods System — General Description
860-600-105	1	Transmission Design Guidelines
860-600-180	1	Cost Optimization

**Division 865**

**Transmission Maintenance Systems Engineering**

**865-0 Index**

**865-1 Telemetry Systems**

**865-2 Transmission Maintenance and Administrative Systems**

-200 Surveillance and Control and Maintenance Systems

-201 TCAS (T-Carrier Administration System) (Special Service Center)

-203 CAROT 2 (Centralized Automatic Reporting on Trunks 2)

-204 CMS3A (Circuit Maintenance System 3A)

-205 RTTU/CTTU (Remote Trunk Test Unit/Central Trunk Test Unit)

**865-3 Transmission Surveillance Systems**

**Number Issue Subject**

**865-0 Index**

865-000-000 42 Numerical Index — Division 865 — Transmission Maintenance Systems Engineering

**865-1 Telemetry Systems**

865-100-100 1 E Telemetry Systems — EIMS  
 865-100-101 2 E-Telemetry Systems — Data Network- Engineering  
 865-101-100 1 Engineering and Implementation Methods System (EIMS) for E3 Alarm System  
 865-101-101 1 E3 Alarm System — Engineering Application

**Number Issue Subject**

**865-2 Transmission Maintenance and Administrative Systems**

**865-200 Surveillance and Control and Maintenance Systems**

**SCOTS (Surveillance and Control of Transmission Systems)**

865-200-100 1 Engineering and Implementation Method System  
 865-200-105 1 Standard Assignment

**CTMS (Carrier Transmission Maintenance System)**

865-200-110 4 CTMS-2/TFMS (Trunk and Facility Maintenance System) — Engineering Considerations  
 865-200-111 2 CTMS-4/CTMA (Carrier Transmission Maintenance Auxiliary) — Engineering Considerations

**TASC (Telecommunications Alarm Surveillance and Control System)**

865-200-120 3 Engineering and Implementation Method System (EIMS)  
 865-200-121 1 Engineering Guidelines for Monitoring of T1, N, O, and ON Carrier Systems  
 865-200-122 1 Engineering Guidelines for Monitoring L-Carrier, Microwave Radio, and High- Capacity Digital Carrier Systems

**865-201 TCAS (T-Carrier Administration System)**

865-201-100 3 Overall Engineering Considerations  
 865-201-101 3 Central Engineering — Operating Support Systems  
 865-201-102 3 Data Base Implementation  
 865-201-103 1 General Code Catalog  
 865-201-110 2 Transmission Maintenance System Engineering — Remote Office Engineering  
 865-201-111 2 Description of Assignment Forms  
 865-201-190 3 Engineering and Implementation Methods System (EMIS) Guide

Number	Issue	Subject
<b>865-202 SSC (Special Service Center)</b>		
865-202-100	2	Planning Guide — General Information
865-202-102	2	Far-End Equipment Requirements
<b>865-203 CAROT 2 (Centralized Automatic Reporting on Trunks 2)</b>		
865-203-100	7	Engineering Considerations
865-203-101	2	Engineering and Implementation Methods System
<b>865-204 CMS3A (Circuit Maintenance System 3A)</b>		
865-204-100	2	Engineering and Implementation Methods Systems — Special Service Center
865-204-101	2	CMS3A and Trunks Integrated Records Keeping System Interface — Engineering Information — Special Service Center
865-204-102	1	Special Service System (SSS) Interface — Engineering Information
865-204-103	1	CMS3A and Maintenance and Analysis Plan for Special Service Interface — Engineering Information — Special Service Center
865-204-105	1	Tape Specifications for Data Base Merge Process — Description
<b>865-205 RTTU/CTTU (Remote Trunk Test Unit/Central Trunk Test Unit)</b>		
865-205-100	2	Engineering and Implementation Methods System — Operations Support Systems
<b>865-3 Transmission Surveillance Systems</b>		
865-300-100	1	Application Engineering

**Division 870**

**Electrical Noise Engineering**

**870-0 Indexes**

**870-1 General Engineering Aspects of Noise**

**870-2 Noise Engineering — Noise Measurements and Analysis — General Considerations**

**870-7 Central Office Noise**

**870-8 Subscriber Loop Noise**

Number	Issue	Subject
<b>870-0 Indexes</b>		
870-000-000	14	Numerical Index — Division 870 — Noise Engineering

**870-1 General Engineering Aspects of Noise**

Addendum	1	
870-100-100	1	Impulse Noise
870-105-010	1	Combining Properties of Noise
870-190-100	2	Noise in Telephone Operating Rooms
870-190-102	4	Measurement of Room Noise

**Number Issue Subject**

**870-2 Noise Engineering — Noise Measurements and Analysis — General Considerations**

870-200-100	7	Message Circuit Noise — Measurements and Evaluation
870-205-500	2	Tracing Voice-Frequency Noise Fields by Exploring Coil Method

**870-7 Central Office Noise**

870-700-100	1	General Engineering Considerations
870-700-102	2	Noise in Toll Office Equipment
870-700-103	1	Methods of Reducing Noise Due to Battery Supply Circuit Disturbances — Local Central Offices
870-700-500	2	Measurement of Battery Supply Noise
870-700-501	1	Measurement of Cross-Office Noise
870-700-503	2	Localization of Contact Noise in Panel Dial Offices

**870-8 Subscriber Loop Noise**

870-850-100	3	Measurement and Evaluation of C-Message Weighted Noise on Two-Wire Subscriber Loops
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**Division 873****Inductive Coordination****873-0 Indexes****873-1 General Engineering Considerations****873-2 Coupling and Shielding****873-3 Power System Influence at Fundamental and Harmonic Frequencies****873-4 Susceptiveness of Communications Plant and Equipment****873-5 Prevention and Mitigation of Interference****873-6 Methods for Estimating Interference Levels****873-7 Radio Frequency Interference****873-8 General Inductive Coordination Practices**

Number	Issue	Subject
<b>873-0 Indexes</b>		
873-000-000	27	Numerical Index — Division 873 — Inductive Coordination
<b>873-1 General Engineering Considerations</b>		
873-100-100	1	Introduction
873-102-100	1	Cooperative Handling of Problems With Power Organizations
873-102-300	1	Cooperative Handling of Inductive Coordination Problems With Railroad Organizations
<b>873-2 Coupling and Shielding</b>		
873-200-100	1	Analytical Model for Investigation of Interference
Addendum	1	
873-200-200	1	Engineering Considerations Regarding Coupling
873-200-300	1	Engineering Considerations Regarding Shielding

Number	Issue	Subject
<b>873-3 Power System Influence at Fundamental and Harmonic Frequencies</b>		
873-300-100	1	Influence Characteristics of Power Supply Systems
873-300-200	1	Power Line Waveshape on the AC Side of Rectifier Installations
873-300-300	1	Power Line Waveshape of High Voltage Direct Current — Transmission Systems
873-300-400	1	Fundamental-Frequency and Transient Interference From Electrified Railway Systems
873-301-100	1	The Telephone Influence Factor
873-302-100	1	Direct Measurement
873-302-200	1	Probe Wire and Exploring Coil Measurements
Addendum	1	
873-310-100	1	Surveys of Induced Noise on Telephone Cable Plant
<b>873-4 Susceptiveness of Communications Plant and Equipment</b>		
873-400-100	1	Principles of Balance and Longitudinal-to-Metallic Conversion
873-400-101	1	Principles of Determining the Susceptibility of Telephone Equipment to Induced Voltages and Currents
873-401-100	1	Factors Affecting the Balance of Central-Office Equipment
873-401-101	1	Balance Characteristics of Step-by-Step Central Office Circuits
873-401-103	1	Balance Characteristics of Panel Central Office Circuits
873-401-109	1	Longitudinal Impedance and Balance Characteristics of Central Office (CO) Equipment
873-404-101	1	Balance Characteristics of Station Equipment
873-406-101	1	Susceptibility of Carrier Systems to Induced Interference
<b>873-5 Prevention and Mitigation of Interference</b>		
873-500-100	1	Principles of Prevention and Mitigation of Inductive Interference

Number	Issue	Subject
873-501-100	1	Mechanized Inductive Interference — Calculations — Inductive Coordination
873-503-101	2	Inductive Interference Aspects of Cable Route Selection — Description and Engineering Considerations — Inductive Coordination
873-505-101	1	Longitudinal Choke and Drainage — Reactor Considerations
873-505-107	1	Low Voltage — Neutralizing Transformers
873-505-109	2	Ringer Isolation

**873-6 Methods for Estimating Interference Levels**

873-600-100	1	Methods for Investigating Interference Problems
873-600-101	1	Fundamentals of Inductive Interference Calculations

**873-7 Radio Frequency Interference**

**Radio to Telephone Induction**

873-700-325	3	Radio Transmitters
-------------	---	--------------------

**Interference to Radio Reception**

873-701-625	2	Central Office Sources to Radio Receivers
873-701-627	2	Telegraph Equipment
873-701-628	2	61-Type Filter for Suppressing Dialing Induction Into Radio Receiving Sets
873-701-629	1	Radio Broadcast Receivers From PBX Systems
873-701-630	1	Code Calling Systems
873-701-631	1	Community Dial Offices

**873-8 General Inductive Coordination Practices**

**General Engineering Procedure — Power Circuit Interference**

873-800-061	2	Coordination Activities With the Edison Electric Institute
873-800-062	1	Cooperative Handling of Electrical Coordination Problems With Power Organizations

Number	Issue	Subject
873-800-076	1	Obtaining and Preparing Data Regarding the Relative Locations of Power and Telephone Circuits
873-800-077	2	Low Frequency Induction From Power Circuits in Toll Telephone Plant
873-800-080	4	Methods of Investigating Noise Frequency Induction Problems
873-800-081	3	The Presentation and Review of the Results of Exchange Noise Surveys
873-800-085	1	Noise Induction Aspects of Rural Open Wire Joint Use

**Methods of Estimating Inductive Effects**

873-800-110	1	Inductive Coordination Aspects of Rectifier Installations
873-800-111	1	Inductive Coordination Aspects of D-C Systems Supplied by Rectifiers
873-800-125	2	A Method of Estimating Noise in Open- Wire Toll Circuits
873-800-127	1	Noise Due to Secondary Induction in Voice- Frequency Toll Cable Circuits
873-800-128	2	Methods for Estimating Noise on Exchange Circuits in Joint-Use Exposures With Power Distribution Circuits
873-800-129	1	Methods for Estimating Noise on Exchange Circuits Exposed to Power Lines at Roadway Separations
873-800-130	2	Exploring Wire Methods for Toll and Local Circuit — Noise Studies

**Inductive Coupling**

873-800-176	1	Noise Induction — Coefficients of Induction
873-800-177	1	Low-Frequency Coupling Factors for Ground-Return Circuits — General Considerations and Methods of Calculation
873-800-178	3	Fundamental Frequency Electromagnetic Shielding of Communication Circuits



Number	Issue	Subject	Number	Issue	Subject
<b>Communications Circuit Data Affecting — Inductive Coordination</b>					
873-800-225	1	Low Frequency Induction — Distribution of Voltages to Ground and Voltage Differences	873-800-249	1	Direct Measurement of the Specific Noise- Longitudinal, and Noise-to-Ground, Impressed Directly Upon Particular Individual Types of Central Office Circuits
873-800-227	2	Acoustic Shock Reducers for Use in Operators' Telephone Circuits	873-800-250	1	Longitudinal Circuit Choke Coils and Drainage Circuits for Reducing Noise Due to Central Office and Line Unbalances
873-800-230	1	Effects of Induction on Ground Return Signaling Circuits for Local and Intertoll Trunks	873-800-251	1	Effects of Bonding Exchange Aerial Telephone — Cable Sheaths to Multi-Grounded — Power Neutrals
873-800-232	1	Fundamental Frequency Electric Induction — Drainage Considerations	<b>General Engineering Procedure — Electric Railways</b>		
873-800-238	2	Inductive Coordination Aspects of Station Sets Employing Cold Cathode Tubes	873-800-379	2	Methods of Making Supplemental Noise Measurements on Exchange Circuits
873-800-239	1	Susceptiveness of Subscriber Station Sets	873-800-380	2	Methods of Making Exchange Noise Surveys
873-800-240	2	Balance of Western Electric Company — Step-by-Step Central Office Circuits	<b>Telephone Interference Factor Measurements</b>		
873-800-241	1	Summary of Central Office Unbalances During Talking Conditions	873-800-476	1	Telephone Influence Factor and Deviation Factor Requirements for Synchronous Machines
873-800-242	1	Reduction of Noise Due to Central Office Equipment Unbalance — General Procedure	873-800-477	1	Coupling Units for Use With the 3-Type Noise Measuring Set to Measure Telephone Influence Factors of Power System Currents and Voltages
873-800-243	1	Reduction of Noise Due to Central Office Equipment Unbalances — Impedance Characteristics of Central Office Equipment	873-800-478	1	Telephone Noise and Power Influence Analysis — Use of the 4A Frequency Analyzer and the 3-Type Noise Measuring Set
873-800-244	1	Reduction of Noise Due to Equipment — Unbalance Panel Central Office Circuits	<b>Data and Computations</b>		
873-800-245	1	Reduction of Noise Due to Equipment Unbalance — Miscellaneous Circuits	873-800-480	1	Recording and Computing Results of Noise and Wave Shape Measurements and Harmonic Analysis
873-800-246	1	Reduction of Noise Due to Equipment Unbalance — Long Line Circuits	873-800-576	2	Low Frequency Induction — Methods of Testing
873-800-247	1	Reduction of Noise Due to Equipment Unbalance — Local Test Desk Circuits	873-800-580	1	Determination of Earth Resistivity by the D-C Method
873-800-248	1	Reduction of Noise Due to Equipment Unbalance — 1A Key Telephone System Circuits			

**Division 874****Power Supply Systems Data****874-0 Index****874-1 Supply Systems Basic Data****874-2 Inductive Coordination****874-3 Rectifiers and Inverters****874-4 Reduction of Harmonic Currents**

Number	Issue	Subject
<b>874-0 Index</b>		
874-000-000	4	Numerical Index — Division 874 — Supply Systems Data

**874-1 Supply Systems Basic Data****874-100 Wave Shape Data**

874-100-100	1	Summary of Results of Wave Shape Survey
-------------	---	---

**874-101 Impedance Data**

874-101-100	1	The Impedances of AC Supply Systems at Harmonic Frequencies to Balanced Components
874-101-101	1	The Impedances of AC Supply Systems at Harmonic Frequencies to Residual Components

**874-102 Propagation Data**

874-102-100	1	Propagation of Harmonic Voltages and Currents over Power Circuits — General Considerations
874-102-101	1	Propagation of Harmonic Voltages and Currents over Power Circuits — General Principles Involved in Layout of Test Programs and Selection of Trial Remedial Measures
874-102-102	1	Propagation of Harmonic Voltages and Currents over Rural Distribution Systems

Number	Issue	Subject
874-102-103	1	Propagation of Harmonic Voltages and Currents over Power Transmission Circuits
874-102-104	1	Propagation of Harmonic Voltages and Currents over Urban Distribution Systems on Which Capacitors Are Used
874-102-105	1	Propagation of Harmonic Voltages and Currents over Power Circuits — Impedances and Voltage and Current Ratios
874-102-106	1	Propagation of Harmonic Voltages and Currents over Power Circuits — Fundamentals and Mathematical Relations

**874-2 Inductive Coordination****874-200 Coordination of Rural Power and Telephone Systems**

874-200-100	1	Inductive Coordination of Rural Power and Telephone Systems
-------------	---	---

**874-201 Grounded Neutral Generators**

874-201-100	1	Effects on Inductive Coordination of Grounded-Neutral Generators Connected Directly to Supply Lines
-------------	---	---

**874-202 Power Factor Correction Capacitors**

874-202-100	1	Inductive Coordination Aspects of Power Factor Correction Capacitor Installations
-------------	---	---

**874-3 Rectifiers and Inverters****874-300 Mercury Arc Rectifiers**

874-300-100	1	Use of Mercury Arc Rectifiers for Supplying D-C Railways and Street-Railways Systems
-------------	---	--

**874-301/302 Wave Shape Characteristics**

874-301-100	1	Wave-Shape Characteristics of Power Circuits Supplying Rectifiers
874-302-100	1	Wave-Shape of Multi-Phase Rectifiers

Number	Issue	Subject
<b>874-4 Reduction of Harmonic Currents</b>		
<b>874-400 Non-Resonant Frequency Selective Devices</b>		
874-400-100	1	General Principles of Design
874-400-101	1	Practical Design Considerations
874-400-102	1	Type AJR Westinghouse Transformers for Use as Reactors with Power Factor Correction Capacitors
<b>874-401 Resonant Frequency Selective Devices</b>		
874-401-100	1	Selective Devices for Reducing Harmonics in Power Systems — Part I — D-C Systems
874-401-101	1	Selective Devices for Reducing Harmonics in Power Systems — Part II — AC Systems
<b>874-402 Special Services</b>		
874-402-100	1	Data on Capacitors and Air-Core Inductance Coils
874-402-101	2	Simplified Method for Estimating Data for Construction of Air-Core Inductance

**Division 876**

**Electrical Protection Practices**

**876-0 Indexes**

**876-1 Protection Considerations — General**

**876-2 Central Office and Radio Station Protection**

**876-3 Station Protection**

**876-4 Cable and Wire Protection Considerations**

**876-5 Carrier Telephone Systems**

**876-6 Leased Facilities**

**876-7 Grounds and Ground Measurements**

Number	Issue	Subject
<b>876-0 Indexes</b>		
876-000-000	35	Numerical Index — Division 876 — Protection Practices
<b>876-1 Protection Considerations — General</b>		
876-100-100	9	Principles of Electrical Protection — Engineering Considerations
876-100-102	1	Electrostatic Effects Near EHV — Power Lines — Description and Mitigation
Addendum	1	
876-101-100	5	Electrical Protection Devices
876-101-120	1	Electrical Protection — Investigation of Complaints
Addendum	1	
876-101-130	1	Electrical Protection Grounding
876-102-100	3	Contacts Between Power and Telephone Facilities — General Engineering Aspects — Protection Considerations
876-103-100	1	Fault Current Calculation and Coordination

Number	Issue	Subject
<b>876-2 Central Office and Radio Station Protection</b>		
876-200-100	5	Electrical Protection — Central Offices
876-205-100	1	Economic Application of Gas Tube — Protector Units in the Central Office
Addendum	1	
876-210-100	4	Electrical Protection of Radio Stations
<b>876-3 Station Protection</b>		
876-300-100	9	Stations and Customer Premises Equipment — Electrical Protection
876-302-100	1	Economical Application of Gas Tube Protection
876-310-100	2	Electrical Protection of Wire Plant Communication Facilities Serving Power Stations
<b>876-4 Cable and Wire Protection Considerations</b>		
876-400-100	5	Cable — Electrical Protection — Engineering Considerations
876-402-100	2	Protection Considerations Multiple Line Wire, Single-Pair Rural Wire and Buried Wire
876-404-100	3	Shield Wire Protection of Buried Coaxial Cable
876-405-100	1	Economic Application of Cable Protectors — Guidelines — PIC Cable Plant
<b>876-5 Carrier Telephone Systems</b>		
Addendum	1	
876-500-100	2	Electrical Protection — Paired-Facility
<b>876-6 Leased Facilities</b>		
876-600-100	5	Protection for Leased Facilities and at the Junction With Connecting Facilities
876-601-100	2	Protection of Leased Facilities

Number	Issue	Subject
<b>876-7 Grounds and Ground Measurements</b>		
876-700-100	3	Characteristics and Measurement of Grounds
876-701-100	1	Earth Resistivity Measurements — Use of Ground Megger

**Division 877**

**Corrosion Practices**

**877-0 Indexes**

**877-1 General Considerations**

**877-2 Surveys, Test Methods and Equipment**

**877-3 Remedial Measures**

Number	Issue	Subject
<b>877-0 Indexes</b>		
877-000-000	10	Numerical Index — Division 877 — Corrosion Practices

**877-1 General Considerations**

**877-100/104 General**

877-100-100	2	Cooperative Arrangements for Controlling Corrosion of Underground Structures
877-101-100	3	General Principles Involved in the Control of Cable Sheath Corrosion
877-102-100	2	Corrosion of Lead Cable Sheath
877-103-100	1	Non-Stray Current Cable Corrosion — General
877-104-100	1	Protection Against Corrosion in Stray Current Areas — General Considerations
877-104-101	1	Voltage and Current Distributions in Stray Current Areas

**877-105/115 Engineering Application**

877-105-100	1	Principles and Practical Considerations For Corrosion Control of Buried Fuel Tanks
877-110-100	1	Engineering and Implementation Methods System (EIMS) for Corrosion Testing and Mitigation of the Underground and Buried Plant
877-115-100	1	Application of Insulating Joints in Telephone Plant

**Number Issue Subject**

**877-2 Surveys, Test Methods and Equipment**

**877-200/206 Surveys and Test Methods**

877-200-100	2	Routine Surveys
877-201-100	1	Duct Surveys
877-205-100	2	Test Methods and General Procedures — Non-Stray Current Areas
877-206-100	2	Centralized Corrosion Testing

**877-207/211 Equipment**

877-207-100	1	Copper Sulphate Half-Cell
877-208-100	3	Instruments and Associated Equipment for Corrosion Measurements
877-210-100	1	KS-14385 Electrolysis Switch
877-211-100	3	Electrolytic Capacitors For Bridging Insulating Joints in Cable Sheath

**877-3 Remedial Measures**

**877-300 Drainage Wires**

877-300-100	1	Design of Drainage Wires
877-300-101	1	Methods of Measurements

**877-301 Cathodic Protection**

877-301-100	1	Theory and General Engineering Considerations — For Underground or Buried Telephone Cables
877-301-101	1	Design from Experimental Reduction Test Data
877-301-102	1	Design by Estimation

**877-305 Protective Coatings**

877-305-100	3	Use of Corrosion Resistant Cables and Protective Wrappings at Splices
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**877-306 Galvanic Anodes**

877-306-100	2	Galvanic Anodes
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**Division 880**

**Data Communications Engineering**

**880-0 Index**

**880-1 General Design Information**

**880-3 Narrowband Data Systems**

**880-4 Voiceband Data Systems**

**880-5 Wideband Data Systems**

**880-6 Digital Data Systems**

Number	Issue	Subject
<b>880-0 Index</b>		
880-000-000	42	Numerical Index — Division 880 — Data Communications Engineering

**880-1 General Design Information**

**Delay, General**

880-100-100	4	Envelope Delay Characteristics of Telephone Facilities — General Information
880-100-110	1	Multiple-Route Data Circuits — Propagation Time Equalization
880-100-111	1	Data Circuits — Delay Equalization
880-100-120	1	Mobile Telephone Systems — Delay Equalization of Channels Provided for Multistation Radio Systems
880-100-121	1	Mobile Telephone Systems — Delay Equalization Equipment

**Delay, Equipment — Apparatus**

880-100-201	1	Envelope Delay of 120-Type Repeating Coils
880-100-220	1	Envelope Delay — A5 Channel Banks
880-100-230	1	Envelope Delay — LMX-1 Group Connector
880-100-231	1	Envelope Delay — LMX-2 Group Connector

Number	Issue	Subject
<b>Delay, Cable Systems</b>		
880-100-240	1	Envelope Delay of H-88 — Loaded Cable Facilities
880-100-241	2	Envelope Delay of H-44 — Loaded Cable Facilities
880-100-243	1	Envelope Delay of B-88 — Loaded Cable Facilities

**Delay, Carrier Systems**

880-100-253	3	Envelope Delay of N1 Carrier Facilities
880-100-254	2	Envelope Delay of N2 Carrier Facilities
880-100-255	2	Envelope Delay of N3 Carrier Facilities
880-100-256	2	Envelope Delay of ON Carrier Facilities
880-100-260	2	Envelope Delay of T1 Carrier Facilities

**Data Multiplex System and Local Area Data Channels**

880-102-100	1	Local Area Data Channels — Engineering Guidelines
-------------	---	---

**Measurements and Measuring Techniques**

880-110-100	1	Theory and Operating Principles of the J94027 PAR Meter Equipment
-------------	---	---

**880-3 Narrowband Data Systems**

**Circuit Design — Treatment**

880-300-110	3	Telegraph Loops — Theory and Application of Wave Shaping Arrangements
880-300-120	2	Teletypewriter Loops — Wave Shaping — Loop Length Limits — Noise Influence
880-300-130	4	Telegraph Transmission Coefficients

**Equipment Apparatus**

880-310-010	1	13- C-1 One-Way Split Loop Telegraph Repeater
-------------	---	---

**Voice-Frequency Carrier Data Systems**

880-320-100	2	43A1 Carrier Telegraph and 43B1 Voice-Frequency Carrier Data Systems — Transmission Losses
-------------	---	--

Number	Issue	Subject	Number	Issue	Subject
880-320-101	3	43A1 Voice Frequency Carrier Telegraph System — General Engineering Considerations	880-410-100	1	Voice Bandwidth Circuits — Telephotograph and Facsimile Services — General Engineering Considerations
880-320-102	5	43A1 Voice Frequency Carrier Telegraph System — Branching Arrangements and Line Connecting Circuits — Engineering Considerations	Appendix 1	1	Voice Bandwidth Circuits — Telephotograph and Facsimile Services — Glossary of Terms
880-320-200	1	43B1 Voice-Frequency Carrier Data Systems and 1A Data Station — Transmission Losses of Metallic Facilities	Appendix 2	2	Voice Bandwidth Circuits — Telephotograph and Facsimile Services — Facility Selection
880-320-201	1	43B1 Voice Frequency Carrier Data System and 1A Data Station — Engineering Considerations	880-410-101	1	Voice Bandwidth Circuits — Telephotograph and Facsimile Services — Transmission Requirements for Type 4002 Channels
880-320-202	1	43B1 Voice-Frequency Carrier Data System and 1A Data Station — Line Connection Circuits — Engineering Considerations	880-410-102	1	Voice Bandwidth Circuits — Telephotograph and Facsimile Services — Transmission Objectives for Type 4002 Channels With Special Conditioning
880-320-203	2	43B1 Voice-Frequency Carrier Data System and 1A Data Station — Line Facilities — Engineering Considerations	880-410-103	2	71A1 Telephoto Level Compensator — Engineering Considerations
880-320-300	1	MUX/VERTER Terminal — General Engineering Considerations — 43-Type Voice-Frequency Carrier Telegraph/Data System	<b>Private Line Services</b>		
<b>Miscellaneous Systems</b>			880-420-100	6	Private Line Data Circuits — Voice Bandwidth — General Design Information
880-350-100	2	10-Type Data Line Concentrator Systems — Transmission Engineering Considerations	Addendum	1	
880-350-110	1	Low Speed Signaling System Using Data Sets 115A — General Engineering Considerations	880-420-101	5	Private Line Data Circuits — Conditioning for Voice Bandwidth Channels
880-350-120	1	Transmission Engineering — General — No. 1 Electronic Switching System Arranged With Data Features	Addendum	1	
880-350-121	1	Transmission Engineering — Direct Access Lines — No. 1 Electronic Switching System Arranged With Data Features	880-420-102	1	Private Line Data Circuits Standard Design of a 2-Point and Multipoint Circuits — Data Communications Engineering
<b>880-4 Voiceband Data Systems</b>			<b>Switched Network Services Other Than DDS</b>		
<b>Telephotography Facsimile</b>			880-440-100	6	Data Communications Service — General Engineering Considerations — Data Service on the Switched Network
880-401-100	1	Channels for Facsimile Transmission — Engineering Considerations	880-440-102	2	DATAPHONE® and Other Data Service on the Direct Distance Dialing Network — Signaling and Supervision Arrangements and Analog Interface Characteristics



Number	Issue	Subject	Number	Issue	Subject
880-440-103	6	Station Loops, Remote Exchange Lines, Foreign Exchange Lines, and Wide Area Telecommunications Lines — Engineering Design Guidelines	<b>Special Services</b>		
Appendix 1	6	Protection of Singing Margin in Loops Consisting of 2-Wire Cable and a Carrier Link	880-510-100	1	Channels for Transmission of 50-KBS Secure Speech
880-440-105	3	Data Transmission Requirements — Data Communications Service on the Public Switched Network	<b>Half-Group Bandwidth Data Systems</b>		
<b>Monitoring, Metering, and Control</b>			880-520-100	1	(Restored Polar) — Engineering Considerations — General
880-460-100	4	Circuits for Remote Operation and Control of Airline and Federal Aviation Agency Radio Equipment	<b>Group Bandwidth Data Systems</b>		
<b>Special Services</b>			880-530-100	1	40.8 Kilobit Per Second Data System — Engineering Considerations — Overall System
880-470-100	1	Channels for Government-Owned K0-6 Equipment — Engineering Considerations	880-530-101	1	40.8-KBS Data Transmission System — Wideband Local Loops — Design Considerations
880-480-000	1	Transaction Network — Engineering Considerations — Description	880-530-102	1	40.8-KBS Data Transmission System — N Carrier Links — Transmission Considerations
880-480-010	2	DATAPHONE Select-A-Station Service — Description and Engineering Considerations	880-530-103	1	40.8-KBS Data Transmission System — L Multiplex Links — Design Considerations
880-480-020	1	Telemetry/Alarm Bridging Service — Description and Engineering Considerations	880-530-104	1	40.8-KBS Data Transmission System — Alternate Use Arrangements
<b>880-5 Wideband Data Systems</b>			880-530-110	3	(Restored Polar) — Engineering Considerations — General
<b>Special Conditioning</b>			880-530-111	1	WLR-3 Wideband Loop Repeater — Nonregulated — Engineering Considerations
880-500-100	1	T-3 Conditioning	880-530-113	1	LWM-5 Modem for Groupband Data Systems (Restored Polar) — Engineering Considerations
880-500-101	1	Terminal Conditioning for Switched T-3 Circuits	880-530-115	2	Nonrepeated and WLR-5 Repeated Loop Design
880-500-102	1	Terminal Conditioning for Tandem Operation of T-3 Conditioned Circuits	880-530-116	1	Wideband Banks and Modems for T1 Carrier (Restored Polar)
880-500-110	1	G-1 Conditioning	<b>Supergroup Bandwidth Data Systems</b>		
880-500-111	1	G-2 Conditioning	Addendum	1	
880-500-112	1	G-3 Conditioning	880-540-100	1	(Restored Polar) — Engineering Considerations — General
880-500-120	1	H-1 Conditioning	880-540-101	1	Baseband Loop Design
880-500-121	1	H-2 Conditioning	<b>Circuit Switched Digital Capability (CSDC)</b>		
880-500-122	1	H-3 Conditioning	880-550-100	1	Access Line Design Considerations

Number	Issue	Subject
<b>880-6 Digital Data Systems</b>		
880-600-010	3	Engineering and Implementation Methods System for the Digital Data System and the Switched Digital Data System
880-600-100	3	Transmission Plan and System Objectives
880-600-111	1	System Performance Objectives
880-601-100	2	DS-1 Facilities — Facility Engineering
880-601-110	3	Synchronization Network — Engineering Considerations
880-601-115	4	Engineering Guidelines — 4-Wire Local Loop
880-601-120	2	Facility Engineering — Off-Net Extension Arrangements
880-602-101	2	Digital Serving Area Network Engineering Planning
880-602-102	1	Network Engineering — Intradigital Serving Area Planning
880-603-101	2	End Office Layout — Central Office Engineering
880-603-102	1	Central Office Engineering — Hub Office Layout
880-603-111	1	Central Office Engineering — Switching Office Layout
880-603-115	2	Cross-Connect and Testboard Layout — Central Office Engineering — Digital Data System
880-604-102	2	Two-Point and Multipoint Private Line Design — Circuit Engineering
Addendum	1	
● 880-605-101	1	Digital Transmission Surveillance System — Engineering Considerations and Design of Surveillance System

Number	Issue	Subject
<b>T1 Digital Data Line, 1.544-Megabit Data Service</b>		
880-610-100	2	DATAPHONE Digital Service — Description and Engineering Considerations
880-620-100	1	Local Access Channels and Trunk Circuits — Engineering Guidelines — High-Speed Switched Digital Service
880-620-110	1	Digital Access and Cross-Connect System Hub Office — Engineering Guidelines — High-Speed Switched Digital Service
<b>ACCUNET® Terrestrial 1.5 Service</b>		
■ 880-630-100AC	1	Engineering Design Guidelines
■ Appendix 1AC	1	Circuit Arrangements, Direct Connect Applications, and Ordering and Circuit Level Design Data
■ Addendum AC	1	
■ 880-630-105AC	1	Engineering Design Guidelines — BCM32000

**Division 900**

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**Outside Plant Engineering — General Information**

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**900-0 Indexes and General Information****900-2 Overall Construction**

Number	Issue	Subject
<b>900-0 Indexes and General Information</b>		
900-000-000	16	Numerical Index — Division 900 — Outside Plant Engineering — General Information
900-000-100	23	Permuted Index
900-020-001	1	AG Series to 9-Digit Series — Cross- Reference List

**900-2 Construction Considerations****900-200 Overall Construction**

■ 900-200-210	2	Operations, Construction, and Engineering — Standards — Lightguide Cable Systems
900-200-318	8/94	Outside Plant - Engineering Handbook

**Division 901**

**Outside Plant Engineering - Facility Planning - Study Methods and Tools**

**901-0 Index**

**901-1 Cost Studies**

**901-2 Feeder Cable Relief**

**901-3 Route Planning and Study**

**901-4 Cable Pressurization**

**901-5 Trunk Studies**

**901-6 System Engineering Program**

Number	Issue	Subject
<b>901-0 Index</b>		
901-000-000	41	Numerical Index — Division 901 — Outside Plant Engineering — Facility Planning — Study Methods and Tools

**010-019 Customer Information Release (CIR)**

□ 901-099-001 IR	1	ARF (Administrative Route Fill) Service, Service Line Products
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**901-1 Cost Studies**

Addendum	2	
901-111-300	3	Comparative Cost Studies — General
Addendum	1	
901-111-301	1	Comparative Cost Studies — Manual
901-111-302	1	Comparative Cost Studies — Mechanized

**901-2 Feeder Cable Relief**

901-200-100	1	Cable Fill Counting — General
901-200-110	1	Cable Fill Counting — Manual

Number	Issue	Subject
901-200-240	1	Conversion Guidelines — Connectivity Data — Loop Cable Record Inventory System (LCRIS)
Addendum	1	
901-211-200	2	Feeder Cable Relief Studies
901-211-201	1	Feeder Cable Relief Studies — Graphic Presentation
901-211-210	1	Main Distribution Frame and Cable Route — Graphic Historical Records

**901-3 Route Planning and Study**

● 901-350-200	4	Long Range Outside Plant Planning — Overview
901-350-201	3	Long Range Outside Plant Planning — Development of Long Range Outside Plant Plans (LROPP)
Addendum	1	
901-350-250	1	Outside Plant Engineering — Detailed Distribution Area Planning (DDAP)
901-350-300	5	Feeder Cable — Size
901-350-350	1	Gauge
901-350-400	2	Administrative Route Layouts and Pair Group Displays
901-350-516	1	Exchange Feeder Route Analysis Program — Phase 2 — Output and Its Use
901-350-517	1	Exchange Feeder Route Analysis Program — Phase 2 — Glossary of Terms
901-350-520	2	Introduction to the Exchange Feeder Route Analysis Program (EFRAP)
901-350-521	2	Data Preparation — Exchange Feeder Route Analysis Program (EFRAP)
901-350-522	1	EFRAP Data Check Program
901-350-523	1	EFRAP Cumulative Fill Table (CFT) Program
901-350-524	1	The Exchange Feeder Route Analysis Program — Study Program
901-350-525	1	Time-Share Cable Sizing (TICS) Program (EFRAP) A

Number	Issue	Subject
■ Addendum AC	A	
901-357-200	1	Planning
Addendum	1	
901-360-100	1	Loop Carrier Analysis Program and Long Feeder Route Analysis Program — LCAP2/LFRAP — General Input
901-360-130	1	Long Route Analysis Program (LRAP)
901-370-100	2	Economic Feeder Administration and Relief (EFAR) — Overview
901-370-110	1	Economic Feeder Administration and Relief (EFAR) — Principles of Operation
901-370-120	1	Economic Feeder Administration and Relief (EFAR) — Use and Application
<b>901-4 Cable Pressurization</b>		
901-473-050	4	Air Pressurization Analysis Program
901-473-051	2	Air Pressure Analysis Program — Preparation of Study Data
901-473-052	2	Air Pressurization Analysis Program — Preparation of Forms
901-473-053	2	Air Pressurization Analysis Program — Time-Share Data Check Routine
901-473-054	2	Air Pressurization Analysis Program — Diagnostic and Informative Comments
901-473-055	2	Air Pressurization Analysis Program — Computer Solution

Number	Issue	Subject
<b>901-5 Trunk Studies</b>		
901-555-300	1	Cable Studies
901-555-400	1	Mechanized Trunk Study
<b>901-6 System Engineering Program</b>		
901-601-100	1	Operational Procedures — Remote Data Entry System Administration
901-601-110	1	Operational Procedures — Remote Data Entry System (RDES) Operation
■ 901-620-010	2	Loop Cable Record Inventory System (LCRIS)
901-625-100	2	Outside Plant Engineering — Computerized Administrative Route Layouts (CARL) — Responsibilities of the CARL Engineer
901-625-110	2	Outside Plant Engineering — Computerized Administrative Route Layouts (CARL) — Responsibilities of CARL Engineering Clerks and Drafters
<b>LATIS (Loop Activity Tracking Information System)</b>		
901-660-100	1	Overview
901-660-101	1	Headquarters Administration User Guide
901-660-102	1	District Administration User Guide
901-660-103	1	Input User Guide
901-660-104	1	Output User Guide

**Division 902**

**Outside Plant Engineering — Facility Planning — Applied Transmission**

**902-0 Index**

**902-1 Resistance Design**

**902-2 Long Route Design**

**902-3 Switch Range Extension Design**

**902-4 Analysis Plans**

**902-8 Transmission Improvement and Range Extension**

Number	Issue	Subject
<b>902-0 Index</b>		
902-000-000	37	Numerical Index — Division 902 — Outside Plant Engineering — Facility Planning — Applied Transmission
<b>902-1 Resistance Design</b>		
902-115-100	4	Customer Loop Cable Plant — Resistance Design — Engineering
902-115-101	4	Application of Resistance Design — Subscriber Loop Plant
902-115-220	6	Transmission Zoning of Customer Station Apparatus
<b>902-2 Long Route Design</b>		
902-200-001	1	Engineering and Implementation Methods System (EIMS) for Subscriber Long Route Applications
902-200-010	2	Loop Electronics Guidelines Methods — Permanent Applications
902-200-012	1	Pair Gain Systems — Guidelines and Study Methods — Temporary Applications
902-200-015	1	Loop Electronics Guidelines — Economic Curves and Systems Check Lists

Number	Issue	Subject
902-200-030	1	Subscriber — Implementation Guidelines
Addendum	1	
902-200-110	1	Digital Line Design and Pair Selection Rules — Subscriber Carrier Systems
902-200-115	2	Digital Line Engineering Program (DILEP)
Addendum	1	
902-215-120	2	Design Rules, Engineering, and Transmission Considerations — Subscriber Long Route Design
902-215-121	2	Economic Studies, Design, and Implementation — Subscriber Long Route Design
Addendum	1	
902-215-122	1	Subscriber — Determination of Economic Gauge Plan — Mechanized Computation Method — Lores
Addendum	2	
902-215-123	1	Subscriber — Economic Studies — “Lores” — Computer Program Documentation
902-216-100	1	Multichannel Subscriber Carrier Systems — Planning
902-216-110	1	Multichannel Subscriber Carrier Systems — Design and Implementation
902-216-120	2	Loop Carrier Analysis Program (LCAP2) — Program Application
902-217-110	1	Subscriber Loop Multiplexer — Planning
902-217-120	1	Subscriber Loop Multiplexer — Repeater Spacing
902-217-125	1	Subscriber Loop Multiplexer — Repeater Powering Design
902-217-130	1	Subscriber Loop Multiplexer — Design and Implementation
902-219-100	2	Subscriber Carrier Systems — Subscriber Loop Carrier 1 (SLC®-1) System — Engineering Design and Implementation
<b>902-3 Switch Range Extension Design Devices</b>		
902-300-001	1	Interdepartmental Coordination — Engineering and Implementation Methods System (EIMS) — Concentrated Range Extension With Gain (CREG)

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
902-300-100	1	Concentrated Range Extension With Gain (CREG) — Outside Plant Planning — Design Rules and Intergration
<b>902-4 Analysis Plans</b>		
902-415-401	1	Subscriber Loop Analysis Program System — General
902-415-402	1	Subscriber Loop Analysis Program — Accumulation of Basic Loop Data
<b>902-8 Transmission Improvement and Range Extension Devices</b>		
902-815-150	1	Bridge Lifters — Characteristics and Application
902-815-151	1	Bridge Lifters — 1574A and 1574B
902-815-153	2	4A11C Protector Unit Type — Mini-Bridge Lifter
902-820-100	1	Standard Range Extension Devices and Associated Hardware — Identification and Description

**Division 915**

**Outside Plant Engineering — Facility Design Systems**

**915-0 Index**

**915-2 Serving Area Concept**

**915-3 Connect Through Plan**

**915-7 Pair Gain Systems**

**915-8 Special Outside Plant Systems**

Number	Issue	Subject
<b>915-0 Index</b>		
915-000-000	35	Numerical Index — Division 915 — Outside Plant Engineering — Facility Design Systems (2-95)
<b>915-2 Serving Area Concept</b>		
915-251-100	2	Outside Plant Design — Serving Area Concept (SAC) Design
915-251-200	1	Outside Plant Design — Feeder Cable Design
915-251-300	2	Outside Plant Design — Distribution Cable Design
<b>915-3 Connect Through Plan</b>		
<b>915-7 Pair Gain Systems</b>		
915-700-100	1	Loop Products Remote Terminal Site — Functional and Aesthetic Considerations
Addendum	1	
915-710-110	3	SLC® 96 Carrier System — Application Engineering
915-710-111	2	Fiber SLC 96 Carrier System — Application Engineering
915-710-113	1	SLC 24 Carrier System — Engineering and Implementation — Digital Transmission Systems
■ 915-710-115	3	SLC Series 5 Carrier System — Application Engineering (11-94)

Number	Issue	Subject
Appendix 1	1	SLC Series 5 Carrier System — Application Engineering ALIC5 Cutover (6-93)
915-710-116	4	SLC Series 5 Carrier System — Channel Unit Application and Prescription Setting Note: Available in electronic form in 300-100-XXX.
915-710-120	1	Digital Carrier Line Unit 5 (DCLU 5) Application and Engineering
Addendum	1	
915-720-110	1	SLC 40 Subscriber Loop Carrier System — Engineering and Implementation
Addendum	1	
915-774-110	1	Loop Switching System (LSS) — Engineering and Implementation
915-774-200	2	The Gfeller* Automatic Subscriber Line Concentrator — General Description and Application
915-774-210	1	Line Concentrator No. 1A 50- and 100- Line Remote Units — General Description and Application
915-775-110	1	No. 10A Remote Switching System (RSS) — Pair Gain Application — Engineering and Implementation
915-776-110	1	SLC 8 Subscriber Loop Carrier System — Engineering and Implementation
Addendum	1	
915-776-300	1	U-1 Carrier Systems — Application and Engineering Considerations
915-800-100	1	Telephone Service to Marinas — Engineering and Design Guidelines
<b>915-8 Special Outside Plant Systems</b>		
915-890-100	3	Rural Area Network Design (RAND) — General Principles
915-890-101	2	Rural Area Network Design (RAND) — Design and Implementation

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<b>Number</b>	<b>Issue</b>	<b>Subject</b>
915-890-110	1	Emergency Telephone Reporting Systems
915-890-200	1	Closed Circuit Television Systems
915-890-210	1	Coaxial Cable Video Transmission Systems — RF-Type — General Design Considerations
915-890-215	1	Coaxial Cable Television Systems — RF-Type — 54- to 216-Megacycle Band Design
915-890-310	1	Engineering and Implementation Methods System (EIMs) for Picturephone Pair Suitability Testing

**Division 916**

**Outside Plant Engineering — Facility Design — Feeder Facilities**

**916-0 Index**

**916-1 Design**

**916-2 Relief**

**916-5 Terminating Facilities**

Number	Issue	Subject
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**916-2 Relief**

916-250-250	2	Relief
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**916-5 Terminating Facilities**

916-559-700	1	COSMIC® II Main Distributing Frame — Implementation Guidelines — Distribution Service Planning, Engineering, and Construction
916-559-770	10	Cable Terminating Apparatus — Selection — Distributing and Protector Frames

Number	Issue	Subject
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**916-0 Index**

916-000-000	17	Numerical Index — Division 916 — Outside Plant Engineering — Facility Design — Feeder Facilities
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**916-1 Design**

916-100-001	1	Engineering and Implementation Methods System — Feeder Cable Facilities
916-100-002	1	Designing Digital — Loop Carrier Systems
916-100-010	1	Overview
916-100-011	1	Getting Started
916-100-012	1	Monitoring the Route
916-100-013	1	Planning New Facility Projects With Cable
916-100-014	1	Planning New Facility Projects With Pair Gain Systems
916-100-015	1	Committing Existing and New Facilities
916-150-380	1	Stubbing
Addendum	1	
916-150-400	1	Multipling

**Division 917****Outside Plant Engineering — Facility Design — Distribution Facilities****917-0 Index****917-1 General Information****917-2 Aerial Cable****917-3 Buried Cable****917-4 Building Cable****917-5 Wire****917-6 Rehabilitation**

Number	Issue	Subject
<b>917-0 Index</b>		
917-000-000	24	Numerical Index — Division 917 — Outside Plant Engineering — Facility Design — Distribution Facilities
<b>917-1 General Information</b>		
917-100-001	1	Engineering and Implementation Methods System for Distribution Facilities
917-152-100	2	General
917-152-200	2	Distribution Cable Design — Cable Sizing and Transmission
917-152-250	1	Administration of Distribution Cable Facilities
<b>917-2 Aerial Cable</b>		
917-252-300	1	Distribution Cable Design — Self-Supporting Aerial Cable Facilities
Addendum	1	
917-272-800	1	Use of Increased Span Lengths in Cable Line Construction

Number	Issue	Subject
<b>917-3 Buried Cable</b>		
917-300-100	1	Preterminated Buried Cable (Service Wires) — Engineering and Design Guidelines
917-352-310	1	Distribution Cable Design — Serving Mobile Homes
917-356-001	2	Engineering and Implementation Methods System for New Buried Distribution Facilities
Addendum	1	
917-356-100	2	Buried Urban Distribution Systems
917-356-101	2	Buried Cable Systems — Joint Random Separation
917-356-103	2	Selecting Locations for Plant Near Power Stations— Engineering Guidelines
917-356-105	1	Soil Erosion Control
917-356-201	1	Buried Nonurban Cable Systems

**917-4 Building Cable**

917-454-001	1	Administrative Procedures and Methods Responsibilities of Building Industry Consulting Service
917-454-002	1	Administrative Procedures and Methods Building Industry Consultant (BIC) Force Structure
917-454-003	1	Administrative Procedures and Methods BICS Staff Functions
917-454-004	1	Administrative Procedures and Methods Clerical Support
917-454-005	1	Administrative Procedures and Methods Force Planning and Management
917-454-006	1	Operational Review Procedures for Building Industry Consultants
Addendum	1	
917-454-100	4	General Considerations of Building Cable Systems
917-454-200	4	Housing Facilities
917-454-300	4	Design Illustrations
Addendum	1	
917-454-400	4	Design Data
917-454-410	1	Housing Design Data — Garden Apartments

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
<b>917-5 Wire</b>		
917-534-100	1	Multiple Line Wire
917-534-200	1	C Rural Wire
<b>917-6 Rehabilitation</b>		
917-601-001	1	Engineering and Implementation Methods System for Rehabilita- tion of Distribution Facilities
Addendum	1	
917-601-110	3	Guidelines for the Distribution Plant — Facility Analysis Plan — Development of Solution Alterna- tives

## Division 918

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### Outside Plant Engineering — Facility Design — Applied Protection

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#### 918-0 Index

#### 918-1 Joint Considerations

#### 918-2 Electronic Protection

Number	Issue	Subject
<b>918-0 Index</b>		
918-000-000	11	Numerical Index — Division 918 — Outside Plant Engineering — Facility Design — Applied Protection
<b>918-1 Joint Considerations</b>		
Addendum	1	
918-117-090	4	Clearances for Aerial Plant
918-117-095	1	Locating or Removing Nonjoint-Use Poles Near Power Lines
918-117-099	1	Power Line Crossings and Conflicts (Based on Sixth Edition — NESC)
918-117-101	1	Wire Characteristics — Supply Conductors
918-117-103	2	Clearance and Separation Considerations for Long Span Joint Use Construction
<b>918-2 Electrical Protection</b>		
□ 918-216-100	2	Electrical Protection of the Subscriber Outside Plant (Bellcore item — not stocked at Customer Information Center.)

**Division 919**

**Outside Plant Engineering — Facility Design — Structure**

**919-0 Indexes and General Information**

**919-1 Pole Lines**

**919-2 Underground Conduit**

**919-3 Wire and Cable Spans**

**919-4 Aerial Wire Considerations**

**919-5 Aerial Cable Considerations**

Number	Issue	Subject
<b>919-0 Indexes and General Information</b>		
919-000-000	27	Numerical Index — Division 919 — Outside Plant Engineering — Facility Design — Structure
919-000-100	2	Design of Communication Lines Crossing Railroads
<b>919-1 Pole Lines</b>		
919-117-096	1	Outside Plant Protection Considerations Near Extra-High-Voltage Power Lines
■ Addendum AC	1	
919-120-100	2	Planning
919-120-150	1	Numbering of Poles
Addendum	1	
919-120-200	3	Pole Lines — Classifications and Loading
919-120-400	5	Pole Timber Species and Preservative Treatments
919-120-560	4	Grounding or Insulating Guys
■ Addendum AC	1	
919-120-600	2	Design Considerations
919-120-700	2	Design Data

Number	Issue	Subject
<b>919-2 Underground Conduit</b>		
919-240-001	1	Engineering and Implementation Methods System
919-240-100	3	Conduit System Design
919-240-200	2	Conduit Structure Sizing
919-240-300	2	Manholes
919-240-301	1	Manholes — Deep Neck and Offset Access — Special Design Considerations
919-240-302	1	16-Foot Controlled Environment Vault (CEV) — Engineering Considerations
919-240-305	1	Below Ground Electronics Remote Terminal (BERT) — Engineering Considerations
Addendum	1	
919-240-310	1	Manholes and Service Boxes for T-1 Carrier Apparatus Cases
919-240-400	3	Underground Conduit Materials — Types and Fields of Use
919-240-500	1	Special Construction
919-240-510	1	Steel Casing Pipe — Placing — Special Construction
Addendum	1	
919-240-520	1	Conduit Bridge Crossings
919-240-550	1	Tunnels — General Engineering Considerations
919-240-610	3	Cable Entrance Facility (CEF) — Distribution Service Engineering Guidelines

<b>919-3 Wire and Cable Spans</b>		
Addendum	1	
919-370-100	2	Wire and Strand Characteristics
919-370-200	2	Effects of Ice, Wind, and Temperature

<b>919-4 Aerial Wire Considerations</b>		
919-430-100	1	Characteristics of Open Wire Lines
919-430-650	1	The R Transposition Designs

Number	Issue	Subject
<b>919-5 Aerial Cable Considerations</b>		
919-565-400	1	Selection of Type and Size of Suspension Strand
919-565-401	1	Resultant Storm Loads
919-565-402	1	Span Length Design Curves
919-565-450	1	Special Span Aerial Cable Design

**Division 920**

**Outside Plant Engineering — Facility Design — Trunk Facilities**

**920-0 Index**

**920-1 General**

**920-2 Cable Design**

**920-3 Routing**

**920-4 Lightguide Cable**

Number	Issue	Subject
<b>920-0 Index</b>		
920-000-000	12	Numerical Index — Division 920 — Outside Plant Engineering — Facility Design — Trunk Facilities (5-95)
<b>920-1 General</b>		
920-155-100	1	General
<b>920-2 Cable Design</b>		
920-255-200	1	Facilities, Requirements, and Transmission Design
920-255-210	1	Building-Out Practices for Paired Trunk Cables
920-255-500	1	Trunk Engineering

Number	Issue	Subject
<b>920-3 Routing</b>		
920-375-600	1	Buried Plant Toll Cable Routes
<b>920-4 Lightguide Cable</b>		
□■ 920-400-050AC	1	Outside Plant Route Selection
□■ 920-400-075AC	1	Outside Plant Route Engineering (11-92)
920-400-100	3	Installation Planning — Underground
■ 920-400-150AC	1	Outside Plan — Installation — Underground (11-92)
■ 920-400-175AC	1	Physical Diversity Criteria (10-92)
920-400-200	2	Installation Planning — Buried
920-400-300	1	Installation Planning — Aerial



**Division 928**

**Outside Plant Engineering — Facility Support —  
Engineering Support Functions**

	Number	Issue	Subject
	Addendum	3	
	928-113-300	1	Underground Cable
	Addendum	1	
	928-113-301	1	Dedicated Outside Plant — Un- derground Cable
	Addendum	1	
928-0 Index	928-113-400	3	Aerial, Block, Building and Buried Cables
928-1 Outside Plant Location Records	928-113-401	1	Dedicated Outside Plant — Aeri- al, Block, Building and Buried Cables
928-2 Engineering Work Order	928-113-600	1	Toll Records — General
928-3 Miscellaneous Records	928-113-601	1	Toll Cables — Long Haul
928-4 Work Prints	928-113-602	1	Toll Cables — Short Haul
928-5 Maps and Other Documents	928-113-603	1	Toll Aerial Wire

Number	Issue	Subject
928-0 Index		
928-000-000	16	Numerical Index — Division 928 — Outside Plant Engineering — Facility Support — Engineering Support Functions

**928-1 Outside Plant Location Records**

928-100-030	1	Cable Designations
928-100-050	1	Mapping — General
928-100-060	1	Mapping Program Development
928-100-070	1	Geographic Record Develop- ment
928-100-080	1	Outside Plant Map
928-100-110	1	Feeder Cable Record System
928-100-130	1	Cable Pressure System
928-100-200	1	Distribution Cable Records
928-100-400	1	Conduit Record
928-100-450	1	Geographic Pole Map
928-113-010	2	General Information
928-113-020	1	Alphabetical Street Index
928-113-030	1	Materials and Methods
Addendum	1	
928-113-040	1	Cable Record Preposting
928-113-100	1	Underground Conduit and Buried Cable Location Record
928-113-200	1	Pole Records

**928-2 Engineering Work Order**

928-200-100	1	Work Order Flow
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**928-3 Miscellaneous Records**

928-313-700	1	Miscellaneous
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**928-4 Work Prints**

928-411-505	1	Preparation of Work Prints — Job Management Operations System (JMOS)
928-411-510	1	Preparation of Work Prints — General
928-411-511	1	Preparation of Work Prints — Underground Conduit
928-411-512	1	Preparation of Work Prints — Underground Cable
Addendum	1	
928-411-513	1	Preparation of Work Prints — Buried Cable
928-411-514	1	Preparation of Work Prints — Aerial Cable
928-411-515	1	Preparation of Work Prints — Buried Wire
928-411-516	1	Preparation of Work Prints — Aerial Wire
928-411-517	1	Preparation of Work Prints — Poles

<b>Number</b>	<b>Issue</b>	<b>Subject</b>
928-411-518	1	Preparation of Work Prints — Building Cable
928-411-519	2	Preparation of Work Prints — Cable Pressurization
928-411-520	1	Preparation of Work Prints — Trunk and Carrier
928-411-523	1	Revision to Work Prints

**928-5 Maps and Other Documents**

928-515-212	1	Preparation of Loop Checker Distance Zone Map
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**Division 929**

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**Outside Plant Facility Support — Plant Operating Support Functions**

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**929-0 Index****929-1 Transmission Testing**

Number	Issue	Subject
<b>929-0 Index</b>		
929-000-000	4	Numerical Index — Division 929 — Outside Plant Facility Support — Plant Operating Support Functions
<b>929-1 Transmission Testing</b>		
929-115-210	1	Subscriber Loop Checking — General Considerations
929-115-211	1	Subscriber Lines — Application of J94024 Loop Checking Sys- tem

**Division 930**

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**Outside Plant Facility Support — Maintenance and Upkeep**

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**930-0 Index****930-1 Pole Line****930-2 Cable**

Number	Issue	Subject
<b>930-0 Index</b>		
930-000-000	12	Numerical Index — Division 930 — Outside Plant Facility Support — Maintenance and Upkeep
<b>930-1 Pole Line</b>		
930-120-300	4	Pole Line Maintenance
<b>930-2 Cable</b>		
930-200-001	2	Engineering and Implementation Methods System — Cable Up- keep Systems
930-200-010	2	Air Core Cable Upkeep System Selection
930-210-010	1	Cable Pressure Monitoring Sys- tem (CPMS) — Viability Study, Planning, and Implementation
930-210-020	1	Cable Pressure Standards
930-210-100	1	Design of Air Sources — Trunk and Toll Cable
930-210-200	1	Guidelines for Locating Pressure Monitoring Devices on Trunk or Toll Cables
930-210-500	2	Guidelines for Selective Air Dryers and Emergency Backup Systems



**Division 936**

**Outside Plant Engineering — Management Controlling**

**936-0 Index**

**936-1 Quality Control**

**936-2 Plant Utilization**

**936-3 Business Information Systems Program (BISP)**

**936-4 Plant Engineering Administration**

Number	Issue	Subject
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**936-0 Index**

936-000-000	14	Numerical Index — Division 936 — Outside Plant Engineering — Management Controlling
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**936-1 Quality Control**

936-111-100	2	Operational Review Plan
936-111-101	1	Operational Review Plan for Outside Plant Planning
936-111-102	1	Distribution Service Design Center (DSDC) — Operations Review Procedure

Number	Issue	Subject
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**936-2 Plant Utilization**

936-211-310	2	Engineering Administration and Application — Outside Plant Facilities Control Plan
936-260-100	1	Conductor Footage
936-260-150	1	Plant Utilization Management for Outside Plant
936-260-200	1	Maximum Fill
936-260-300	1	Main Frame Fill
936-260-400	1	Pair Mile Fill

**936-3 Business Information Systems Program (BISP)**

Addendum	1	
936-312-100	1	Section of Plant (SOP) Code
936-312-110	2	Taper Codes

**936-4 Plant Engineering Administration**

936-400-004	1	Defective Pair — Control Plan
936-410-100	1	Preferred Counts

## Division 937

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### Outside Plant Engineering — Management Coordinating

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#### 937-0 Index

#### 937-1 Liaison

#### 937-2 Structural Coordination

Number	Issue	Subject
<b>937-0 Index</b>		
937-000-000	9	Numerical Index — Division 937 — Outside Plant Engineering — Management Coordinating
<b>937-1 Liaison</b>		
937-114-001	1	The Liaison Program — General
<b>937-2 Structural Coordination</b>		
937-217-001	3	Coordination Activities With the Edison Electric Institute
937-217-125	1	Joint Use of Wood Poles — General Agreements With Power Companies
937-217-126	1	Division of Cost Methods in Formulating Joint Use Agreements
937-217-130	1	Joint Use of Wood Poles — Agreement Forms for Use With Organizations Financed by the Rural Electrification Administration
937-217-136	2	Contractual and Coordination Considerations in Connection With Use of Power Line Carrier on Rural Electrification Administration Lines
937-217-150	2	Joint Agreements With Power Companies — Random Buried Installations

**Division 940**

**Radio Engineering**

Number	Issue	Subject
940-250-101	1	Equipment Considerations
940-250-102	1	Receiver Noise Measurements
940-250-103	1	One- and Three-Channel Packaged Systems

**940-0 Index**

**940-2 Mobile Radio**

**940-3 Microwave Radio**

**940-3 Microwave Radio**

**940-300 General**

Number	Issue	Subject
<b>940-0 Index</b>		
940-000-000	64	Numerical Index — Division 940 — Radio Engineering
<b>940-2 Mobile Radio</b>		
940-200-104	1	Closely Coupled Antennas
940-200-106	1	Interference Considerations
940-200-107	1	RF Coaxial Transmission Lines
940-220-100	1	Engineering and Implementation Method System for Domestic Public Land Mobile Systems
Addendum	1	
940-220-105	1	Engineering and Implementation Method System for 150-Megahertz BELLBOY®
940-230-100	1	Estimates of Expected Coverage
940-230-105	1	Air-Ground Radio — Public Service — Transmission Consideration
Addendum	1	
940-230-110	1	Cochannel Interference Studies — Computational Methods — Mobile Radio
940-230-115	1	Transmission — Intermodulation Interference
940-230-120	2	Transmission — Propagation Notes
940-230-125	1	Transmission — Auxiliary Base Transmitter Operation
940-240-120	1	Transmission-Transmitter Combining Networks
940-240-140	1	Antenna Supporting Structures
940-250-100	1	General Considerations and Transmission Design

940-300-100	1	General Planning
□ 940-300-120	1	DR6/11-135 Digital Radio System — System Description and Application Engineering
940-300-130	2	6-GHz Digital Guidelines
940-300-140	1	DR6/11-135 Digital Radio System — System Description and Application Engineering NOTE: Contains binder and documents 940-300-141 through 940-300-151
940-300-141	2	Introduction
940-300-142	2	Digital Radio Fundamentals
940-300-143	2	System Description
940-300-144	2	System Features and Specifications
940-300-145	2	System Operation
940-300-146	2	Maintenance Philosophy and Provisions
940-300-147	2	Route Engineering
940-300-148	2	Frequency and Channel Growth Plans
940-300-149	2	System Application and Ordering
940-300-150	2	Recommended Test Equipment and Sparing
940-300-151	2	Related Documentation and Reference Material

**940-310 Propagation**

940-310-101	2	Path Loss
940-310-102	2	Selective Fading
940-310-103	2	Obstruction Fading and Clearance Considerations
940-310-104	1	Path Testing
940-310-105	2	Fresnel Zones and Their Application to Radio
940-310-106	1	Rain Fading
940-310-115	2	Space Diversity



Number	Issue	Subject	Number	Issue	Subject
<b>940-320 Noise</b>			<b>Addendum</b>		
940-320-100	1	General	940-340-154	1	KS-15676 Horn Reflector
940-320-102	1	Noise Tests for Heavily Loaded Short Haul Message Systems	940-340-155	1	KS-15837, 8-Foot, 4-GHz
<b>940-330 Interference</b>			940-340-157	1	KS-15852, 10-Foot, 11-GHz
940-330-100	1	General	940-340-158	1	KS-15924, 10-Foot, 4-GHz
940-330-102	1	Growth Plans and Frequency Coordination for TM-1/11 Gc and TH Radio Systems	940-340-159	1	KS-15970, 5-Foot, 11-GHz
940-330-104	1	Determination and Use of C/I Objective	940-340-161	2	KS-19529, 10-Foot, 6- and 11-GHz
940-330-105	1	Carrier-Beat Interference	940-340-162	1	KS-19530, 6-Foot, 6/11-GHz
940-330-110	4	Microwave Station Record Start Sheets	940-340-163	1	KS-20012 Six-Foot Four-Port 6- and 11- GHz Parabolic Antenna
940-330-111	2	Microwave Path Record Start Sheets	940-340-164	1	KS-20013 Ten-Foot Four-Port 6- and 11- GHz Parabolic Antenna
940-330-120	1	C/I Objectives — 4-GHz Systems	940-340-165	1	KS-20409, 6-Foot, 4-Port, 6/11-GHz
940-330-130	2	6-GHz Systems	940-340-166	1	KS-20410, 10-Foot, 4-Port, 6/11-GHz
940-330-140	1	C/I Objectives — 11-GHz Systems	<b>940-350 Video Transmission</b>		
940-330-150	1	Interference — 2-GHz Systems	940-350-101	2	Local Links
940-330-160	1	Radar Type Testing — Reflective Interference — Radio Engineering	<b>940-382 4-GHz Systems</b>		
Addendum	1		940-382-100	1	General
940-330-201	1	Satellite Systems (ORBCAL Program)	940-382-102	1	TD-3
<b>940-340 Antennas and Reflectors</b>			<b>940-383 6-GHz Systems</b>		
<b>Antenna Systems</b>			Addendum	1	
940-340-102	3	Arrangements	940-383-102	1	Microwave Radio — TH-3
940-340-103	1	Alignment	940-383-103	3	Microwave Radio — AR 6A
940-340-105	2	TD-Radio Duplex Antenna Systems	940-383-111	1	TM-1
<b>Waveguide Systems</b>			940-383-112	1	TM-2/TM-2A
940-340-130	1	Microwave Radio — General Theory	<b>940-384 11 GHz Systems</b>		
940-340-131	1	Microwave Radio — Design Considerations	940-384-100	1	Engineering Guidelines
940-340-132	3	Systems Combining Network	940-384-103	1	TL-2
<b>Antenna Specifications</b>			940-384-105	1	3A Radio Digital System
940-340-153	1	KS-15640, 8-Foot, 4-GHz	<b>940-390 FM Terminals</b>		
			940-390-100	1	General
			940-390-101	1	TD-2 (J68336)
			940-390-102	1	TH-1 (J68406)
			940-390-103	1	3-Type (J68383)
			940-390-104	1	4A (J68418)

Number	Issue	Subject
<b>940-391 Protection Switching</b>		
940-391-103	2	Transmission Engineering — 100A
940-391-122	3	200A
940-391-131	1	300A
940-391-135	1	Transmission Engineering — 400A System
940-391-151	1	AR 6A 500A and 501A Protec- tion Switching Systems Applica- tion
<b>940-392 Wire-Line Entrance Links</b>		
Addendum	2	
940-392-101	1	3A Wire-Line Entrance Link

**Division 951****Equipment Common to More Than One Type of System — General Descriptive Information****951-0 Indexes****951-1 Announcement Systems****951-3 Direct Distance Dialing Equipment and Switched Services Network****951-4 Alarm Control and Order-Wire System****951-5 Recorders, Recorder-Reproducers, and Reporting Systems****951-6 Stored Program Control No. 1A****951-7 Operations Support Systems****951-8 Concentrators****951-9 Miscellaneous**

Number	Issue	Subject
<b>951-0 Indexes</b>		
951-000-000	41	Numerical Index — Division 951 — Equipment Common to More Than One Type of System — General Descriptive Information
<b>951-1 Announcement Systems</b>		
951-110-100	1	4A Time
951-112-100	3	5A — General Description
951-114-100	1	6A — Machine Intercept
951-116-100	3	7A — Machine Intercept
951-118-100	3	No. 8A — Recorded Announcement Facilities for Connection to Line Terminals
951-120-100	1	9A — Recorded Announcement Facilities — Network Type
951-122-100	1	11A — Recorded Announcement Facilities — Intercept Traffic-Type

Number	Issue	Subject
<b>951-3 Direct Distance Dialing Equipment and Switched Services Network</b>		
951-320-100	1	Auxiliary Sender Equipment For Direct Distance Dialing — Decoder Panel and No. 1 Crossbar Systems
951-330-100	1	Automatic Number Identification System — Local Step-by-Step, Panel and No. 1 Crossbar Offices
951-331-100	1	Automatic Identified Outward Dialing — Central Office Arrangements for Private Branch Exchange
951-332-100	2	Automatic Identified Outward Dialing — Type A2 — General Description
951-350-100	1	Common Control Switching Arrangement for Switched Service Networks
<b>951-4 Alarm Control and Order-Wire System</b>		
951-410-100	1	D1 Alarm and Control Circuit and Order Wire Circuit
951-420-100	1	D2 Alarm Control and Order Wire System
<b>951-5 Recorders, Recorder-Reproducers, and Reporting Systems</b>		
951-500-100	2	Concentrator Trunk Usage Recorder — Small Traffic Usage Recorder
951-510-101	1	Traffic Usage Recorder — No. 1 Portable
951-520-100	1	Answering Time Recorder and Answering Time Recorder With Traffic Weighting Applique
951-530-100	1	KS-16534 Recorder-Reproducer and Associated Amplifier and Control Facilities
951-540-100	1	Sender Attachment Delay Recorder — 4A, 4M and Crossbar Tandem Offices

Number	Issue	Subject	Number	Issue	Subject
<b>951-6 Stored Program Control No. 1A</b>			<b>951-9 Miscellaneous</b>		
951-600-100	3	General Description	951-903-100	1	3A Code Call Unit
			Addendum	1	
			951-905-100	1	Recorded Telephone Dictation Trunk — For Use With Dial-Type PBXs or Centrex Stations
<b>951-7 Operations Support Systems</b>			951-910-100	1	Inband Method of Coin Control — Step-By-Step and No. 5 Crossbar Systems and No. 1 and No. 3 Type Switchboards
951-700-100	3	RTTU/CTTU (Remote Trunk Test Unit/Central Trunk Test Unit) System — General Descriptive Information	951-920-100	1	Touch-Tone Calling
951-701-101	3	Circuit Maintenance System 3A (CMS 3A) — System General Description — Special Service Center (SSC)			
951-702-100	3	SARTS-1A — General Descriptive Information			
951-710-100	3	CAROT 2 — Generic 3 — General Description — Centralized Automatic Reporting On Trunks (CAROT)			
951-710-101	1	2CAROT4 — General Description — CAROT (Centralized Automatic Reporting on Trunks)			
<b>951-8 Concentrators</b>					
951-820-100	1	Permanent Signal Holding and Concentrating Arrangements — Panel System, No. 1 and No. 5 Crossbar Systems			
951-830-100	4	Telephone Answering System — Line Concentrator-Identifier (J93021, J93022) With or Without Tone Signaling Circuit (J59202) for Use With Electro-Mechanical Central Offices and Electronic Switching Systems (No. 1 ESS™)			
951-835-100	1	Line Concentrator No. 1A 100- and 50-Line Capacity Remote Units			
Addendum	1				
951-836-100	1	Line Concentrator No. 2A			
● 951-837-100	1	Line Concentrator No. 2B			

**Division 953**

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**Switchboards, Desks and Associated Equipment —  
General Descriptive Information**

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**953-0 Indexes****953-1 No. 12 Service Observing Desks**

Number	Issue	Subject
<b>953-0 Indexes</b>		
953-000-000	13	Numerical Index — Division 953 — Switchboards, Desks and As- sociated Equipment — General Descriptive Information
<b>953-1 No. 12 Service Observing Desks</b>		
953-111-100	1	Incoming Intertoll Service Ob- serving Circuits
953-113-100	2	Speed-of-Answer and Auxiliary Service Observing Circuits
953-114-100	3	Local Dial Line Service Observ- ing Circuits — No. 12 or No. 7 Modified Service Observing Desk
953-116-100	1	Data Systems Service Observing Circuits

**Division 955**

**Step-By-Step and Community Dial Offices — General Descriptive Information**

955-0 Indexes

955-1 Apparatus and Equipment

955-2 Automatic Message Accounting

955-3 Centralized Automatic Message Accounting

955-4 Step-by-Step Common Control Offices

955-9 Testing Equipment

Number	Issue	Subject
955-000-000	18	Numerical Index — Division 955 — Step-by-Step and Community Dial Offices — General Descriptive Information

955-1 Apparatus and Equipment

955-110-100	1	Digit-Absorbing Selectors — Step-by-Step Offices
955-115-100	1	200-Point Line Finder and Trunk Finder Equipment — Step-by-Step Offices
955-130-100	1	Line Number Method — Prepay Coin — 350A, 355A, 360A, and 35E97 — Community Dial Offices
955-135-100	2	Automatic Number Identification System — Type C for Use in Small Step-by-Step Offices of Less Than 10,000 Main Stations
955-136-100	3	Automatic Number Identification System — Type D for Use in Small Step-by-Step Offices of 0 to 5000 Lines

Number	Issue	Subject
<b>955-2 Automatic Message Accounting</b>		
955-210-100	3	No. 1 Step-by-Step Offices
<b>955-3 Centralized Automatic Message Accounting</b>		
955-310-100	5	Step-by-Step Intertoll Offices
<b>955-4 Step-by-Step Common Control Offices</b>		
955-410-100	3	Step-by-Step Offices With Common Control
<b>955-9 Testing Equipment</b>		
955-900-100	1	Automatic Line Insulation Test Equipment — No. 1 and 350A Step-by-Step Offices
955-905-100	2	Automatic Outgoing Trunk Test Frame — General Description

**Division 957**

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**No. 1 Crossbar Offices — General Descriptive Information**

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**957-0 Index****957-1 Automatic Message Accounting**

Number	Issue	Subject
<b>957-0 Indexes</b>		
957-000-000	3	Numerical Index — Division 957 — No. 1 Crossbar Offices — General Descriptive Information
<b>957-1 Automatic Message Accounting</b>		
957-110-100	2	Automatic Message Accounting — General Descriptive Information

**Division 958**

**No. 5 Crossbar Offices — General Descriptive Information**

**958-0 Indexes**

**958-1 General Information**

**958-3 Automatic Message Accounting**

**958-9 Testing Equipment**

Number	Issue	Subject
<b>958-0 Indexes</b>		
958-000-000	19	Numerical Index — Division 958 — No. 5 Crossbar Offices — General Descriptive Information

**958-1 General Information**

958-110-100	3	No. 5 Crossbar System
958-115-100	1	Frequency Shift Interoffice Signaling — General Description
958-120-100	1	No. 5 Crossbar Centrex Service
958-150-100	2	4-wire No. 5 Crossbar System
958-170-100	2	Line Load Control

**Number Issue Subject**

**958-3 Automatic Message Accounting**

958-308-100	1	Local Automatic Message Accounting Features — Arranged for Paper or Magnetic Tape
958-310-100	2	Centralized Automatic Message Accounting
958-310-101	1	CAMA — Electronic Translation System — General Descriptive Information
958-312-100	1	Local Automatic Message Accounting Via Marker Scanning (LAMA-C)
958-313-100	1	Electronic Translation System — General Description Information — No. 5 Crossbar System
958-313-106	1	Electronic Translation System Status Panel — Theory and Functional Description
958-314-100	2	General Description — Call Data Transmitter

**958-9 Testing Equipment**

958-910-100	4	Automatic Progression Trunk Test Frame
958-920-100	1	Test Set Type Facilities for Registers and Senders
958-930-100	1	Line Verification Circuit



**Division 966**

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**ESS™ Switchs General Descriptive Information**

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**966-0 Index****966-1 1ESS™****966-3 101 ESS**

Number	Issue	Subject
<b>966-0 Index</b>		
966-000-000	36	Numerical Index — Division 966 — ESS™ Switch — General Descriptive Information
<b>966-1 1ESS</b>		
966-100-100	7	General Description
966-102-100	5	Centrex/ESSX-1 Service — Gen- eral Description — 2-Wire No. 1 and No. 1A Electronic Switching Systems
966-110-100	3	4-Wire — General Description
966-120-100	3	1A ESS Switch — General Description
<b>966-3 101 ESS</b>		
Addendum	1	
966-300-100	5	General Descriptive Information

**Division 970**

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**Transmission Systems — General Descriptive Information**

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**970-0 Indexes and General Information**

**970-1 P-Type Carrier System**

**970-2 Product Management  
-201 Guidelines**

Number	Issue	Subject
<b>970-0 Indexes and general information</b>		
970-000-000	4	Numerical Index — Division 970 — Transmission Systems — General Descriptive Information
970-010-100	1	Transmission Rating System
<b>970-1 P-Type Carrier System</b>		
970-110-100	1	The P1T Trunk Carrier System
970-160-100	1	The P1 Carrier Telephone System
970-170-100	1	U-1 Carrier Subscriber Loop Carrier System — General Description

**Division 975**

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**Signaling Systems — General Descriptive Information**

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**975-0 Indexes****975-1 Message Telephone Service****975-2 Pulsing and Signaling****975-3 Personal Signaling System**

Number	Issue	Subject
<b>975-0 Index</b>		
975-000-000	14	Numerical Index — Division 975 — Signaling Systems — General Descriptive Information
<b>975-1 Message Telephone Service</b>		
975-110-100	2	Customer Loop Signals and Sig- naling Systems
975-115-100	1	Signals and Signaling Systems — Between Offices
975-120-100	1	Interoffice Signals and Signaling Systems
<b>975-2 Pulsing and Signaling</b>		
975-210-100	1	Multifrequency Pulsing System
975-212-110	2	Touch-Tone Calling Receivers — Type A2 SD-95287-01 and Type A3 SD-98148-01
975-212-130	2	Touch-Tone Calling Receiver, Type C1 — SD-67027-01
975-215-100	2	2400- or 2600-Cycle Single- Frequency Signaling System — Toll Systems
975-230-100	2	DX Signaling System
975-240-100	3	Type E Single-Frequency Sig- naling System — General Descriptive Information

**Division 981**

**Equipment on Customers' Premises (Special Services and Private Branch Exchanges) — General Descriptive Information**

**981-0 Index and General Information**

**981-2 Special Services**

**981-3 Customer Premises System**

**981-5 500 and 600 Series Private Branch Exchange**

**981-6 700 Series Private Branch Exchange**

**981-7 800 Series Private Branch Exchange**

Number	Issue	Subject
981-201-100	1	SAGE/BUIC Phase III General Description
981-202-100	2	SAC Main Operating Base Turret — General Description
981-203-100	1	1A2 Key Telephone System — General Description
981-204-100	1	No. 301 Switching System — General Description
981-204-105	4	Switching System No. 301A — General Description
981-204-106	1	Switching System — No. 302 — General
981-205-100	6	Switching System No. 300 — Station Systems
981-206-100	2	Switching System No. 304 — General Description
Addendum	1	
981-207-100	1	No. 305 Switching System
981-207-101	1	305 Switching System for BUIC Phase III Operation — General Description
981-207-102	1	Switching System No. 305 — Training and Simulation
981-208-100	4	Switching System No. 306 — General Description
981-209-100	2	Switching System No. 307 — General Description
981-210-100	2	Switching System No. 309 — (AUTOVON) — General Description
Addendum	1	
981-211-100	2	Switching System No. 310
981-212-100	2	Modular Terminal Communication System (MTCS) — General Description
981-224-100	2	No. 400 Switching System
981-225-100	3	Emergency Reporting System — 520-Type Private Branch Exchange — Direct Line Systems
981-225-101	1	Industrial Reporting System — 520-Type Private Branch Exchange
981-226-100	3	Emergency Reporting System — 520-Type PBX — Concentrator System
981-226-110	1	8A Key Telephone System for Use at 911 Emergency Answering Bureaus — Basic Service — General Description

**Number Issue Subject**

**981-0 Index and General Information**

981-000-000	96	Numerical Index — Division 981 — Equipment on Customers' Premises — (Special Services and Private Branch Exchanges) — General Descriptive Information
981-010-100	2	Tie Trunk Circuits
981-011-100	2	Touch-tone Calling for PBX Systems
981-011-104	1	Touch-tone Calling Receivers — A2-Type SD-95287-01 and A3-Type SD-98148-01
981-011-105	1	C-Type Touch-tone Calling Receiver SD-67027-01
981-011-106	1	G1 Touch-tone Calling Receiver (SD- 1C586-01)
981-012-100	4	Centralized Attendant Service — 770A, 812A, DIMENSION® 400, 600, 2000, and Custom PBXs and No. 1/No. 1A ESS™ General Descriptive Information
981-013-100	1	Automatic Number Identification (ANI) (SD-1E505-01)

**981-2 Special Services**

981-200-100	2	1A Telephone Warning System
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Number	Issue	Subject	Number	Issue	Subject
981-227-100	1	10A Alerting System — General Description	981-282-100	1	Primary Crash Alarm System (Crash Phones) — General Description
981-228-100	2	11A Alerting System — General Description			
981-234-100	3	Force Administration Data System (FADS) When Used With 2A and 3A Automatic Call Distributing System			
Addendum	1				
981-235-100	2	2A Automatic Call Distributing System			
981-235-101	2	2B Automatic Call Distributing System — General Description			
Addendum	2				
981-236-100	2	3A Automatic Call Distributing System			
981-237-100	2	4A Call Distributing System (4A CD)			
Addendum	1				
981-240-100	2	1A Telephone Answering System			
981-248-100	1	2A Communication System — (Business Interphone) — General Description			
981-249-100	5	4-Wire Private Line Terminating Circuit SD-69566-01 — General Description			
981-250-100	3	3A Communication System — (Hospital Interphone)			
981-251-100	1	Loudspeaker Paging System — General Description			
981-261-100	2	Interface Trunk Circuit SD-66926-01 — For PBX Systems, No. 5 Crossbar, and No. 1 and No. 101 Electronic Switching Systems			
981-270-100	2	PBX Access Lines — (Autovon) — General Description			
981-271-100	1	Dial Restoration Panel — (Autovon) — General Description			
981-272-100	1	Addressable Data SAGE/BUIC — Phase 111 SD-1G244-01, SD-1G245-01, SD-1G246-01, SD-1G250-01			
981-273-100	2	Dial Restoration and Auxiliary Control for SAGE/BUIC III — General Description			
Addendum	1				
981-281-100	1	Civil Defense Warning System (CDWS) — Bell and Lights System — General Description			
			<b>981-3 Customer Premises System</b>		
			981-300-100	2	50A
			<b>981-5 500 and 600 Series Private Branch Exchange</b>		
			981-510-100	1	508A
			981-530-100	2	557A
			981-531-100	2	557B PBX For Secretarial Answering Service
			981-558-100	1	558A
			981-560-100	1	607A and 607B Multiple
			981-561-100	2	608A
			<b>981-6 700 Series Private Branch Exchange</b>		
			981-601-100	3	Arrangement for Automatic Number Identification (ANI) Circuit (SD-1E007-01)
			981-610-100	1	701B and 711B
			981-610-101	1	701B — Arranged for Operation With Telephone Consoles
			Addendum	1	
			981-611-100	2	701PK
			981-660-100	6	756A
			981-662-100	3	757A
			981-664-100	2	758C — Description
			981-664-101	1	758C Switching System for Switched Digital Data System (SDDS)
			① 981-665-100	1	758A
			① 981-666-100	1	758B
			981-668-100	2	761A
			981-669-100	2	761B
			981-680-100	6	770A
			<b>981-7 800 Series Private Branch Exchange</b>		
			981-705-100	3	800A
			981-706-100	3	801A
			981-709-100	4	805A
			981-712-100	4	812A

**Division 982**

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**Private Service Systems — General Descriptive Information**

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**982-0 Indexes****982-2 Private Line Termination****982-3 Signaling Systems**

Number	Issue	Subject
<b>982-0 Indexes</b>		
982-000-000	12	Numerical Index — Division 982 — Private Service Systems — General Descriptive Information

**982-2 Private Line Terminations**

982-200-100	2	4-Wire Private Line Terminations Circuit SD-1G297-01—General Description
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**982-3 Signaling Systems**

982-305-100	1	SC2 Selective Control System
982-325-100	3	SS1 Selective Signaling System — General Descriptive Informa- tion — Private Line Telephone Service
982-326-100	1	SS-1A Selective Signaling Sys- tem — Private Line Telephone Service
982-328-100	1	SS-3 Touch-Tone Selective Sig- naling System — General Description
982-329-100	3	SS-4 Selective Signaling System — General Descriptive Informa- tion — Private Line Telephone Service
982-329-110	1	SS-3 Order Wire — General Description

**Division 984****Traffic Service And Traffic Management Systems —  
General Descriptive Information****984-0 Indexes****984-1 Traffic Service Position Systems No. 1****984-2 Traffic Service Position Systems No. 1B****984-5 Traffic Management Systems**

Number	Issue	Subject
<b>984-0 Indexes</b>		
984-000-000	42	Numerical Index — Division 984 — Traffic Service and Traffic Management Systems — General Descriptive Information
<b>984-1 Traffic Service Position Systems No. 1</b>		
984-100-100	4	No. 1—General Description
■ 984-100-101	5	Automated Charge Quotation Service — Hotel/Motel Feature — General Description — No. 1
984-100-102	2	Remote Trunk Arrangement and Position Subsystem No. 2 Features
984-120-100	3	Automatic Intercept System — General Description
984-140-101	2	Programmable Controller — General Description
<b>984-2 Traffic Service Position Systems No. 1B</b>		
984-200-100	4	Traffic Service Position System No. 1B — General Description

Number	Issue	Subject
<b>984-5 Traffic Management Systems</b>		
984-501-100	1	KS-15947 Totalizer Circuit SD-95965-01
984-502-100	3	3B Traffic Usage Recorder SD-99359-01 — General Description
984-503-100	4	4A Traffic Usage Recorder (TUR) SD-95738-01 and Optional Auxiliary Scanner Unit — General Description
984-515-100	2	Traffic Measurement System No. 1A — General Description
984-524-100	1	Dial Tone Speed Register Circuit
984-525-109	1	Service Observing — Automatic Intercept System
984-525-120	4	Service Evaluation System No. 1A—General Description
984-525-129	3	Traffic Service Position System No. 1 — Service Observing Circuits — Service Evaluation System No. 1A
984-525-130	1	Automatic Intercept System — Service Observing Circuits General Descriptive Information Service Evaluation System No. 1A
984-525-131	1	No. 1 Electronic Switching System — Incoming Trunk Service Observing — Service Evaluation System No. 1A
984-525-132	1	No. 4 Electronic Switching System — Service Observing Circuits — General Descriptive Information — Service Evaluation System No. 1A
984-525-133	1	Service Observing Circuits Interfaced With Signal Converter/Allotters — General Description Information — Service Evaluation System No. 1A
984-525-134	1	Mechanized Evaluation of Call Completion Anomalies (MECCA) — Description — Service Evaluation System No. 1A

**Division 999**

**Product Documentation — User**

**999-0 Indexes**

**999-1 Data Sets**

**999-2 PBX Equipment**

**999-3 Terminals**

**999-5 ACD (Automatic Call Distributor) and Key Systems**

**999-6 Telephone Technique**

**999-7 System 75, 85, AP, 3B2, and 3B5**

**999-8 Software**

Number	Issue	Subject
<b>999-0 Indexes</b>		
999-000-000	2	Numerical Index — Product Documentation — User — Data Set, PBX, ACD, Key Set, Telephone Technique, Computers, and Software (5-95)
<b>999-1 Data Sets</b>		
999-100-145IS	3	How to Operate Data Auxiliary Set 829 Type
999-100-189IS	4	551 T1 Channel Service DCE Release 3012 Volume 6
999-100-188IS	3	2500 Series Data Service Unit
999-100-189IS	4	551T1 Channel Service Unit — User Manual
999-100-190IS	2	DATAPHONE® II Multiplexer Service — User Manual
Addendum	2	
999-100-191IS	2	DATAPHONE II Tertiary Channel Modem 2001A — User Guide
999-100-192IS	1	DATAPHONE II 2048T Modem — User Guide
999-100-193IS	1	DATAPHONE II 2048T Modem — User Manual
999-100-194IS	1	DATAPHONE II 2096T Modem — User Manual

Number	Issue	Subject
999-100-196IS	2	DATAPHONE II 2600 Series Data Service Unit — User Manual
Addendum	1	
999-100-197IS	1	DATAPHONE II 2700 Series Secondary Channel Diagnostic — User Manual
999-100-198IS	1	DATAPHONE II 2212C Modem — User Manual
999-100-199IS	1	DATAPHONE II 2212D Modem — User Manual
999-100-200IS	2	DATAPHONE II Diagnostic Console — User Manual
999-100-202	1	DATAPHONE II Service Network Diagnostic System — User Manual
999-100-203IS	3	DATAPHONE II Modem DC NC PAS — Quick Guide
999-100-204	1	DATAPHONE II Performance Analysis System — User Manual
999-100-206IS	2	DATAPHONE II Private Line Modems — Operate Information
999-100-207IS	1	DATAPHONE II Network Constructor Software Version 2.88 — User Manual
999-100-213IS	1	DATAPHONE II Private Line Modem 2024/2048/2096 — User Manual
999-100-224	1	DATAPHONE II 839B Dial Backup Unit — User's Manual
999-100-225	1	DATAPHONE II 839B Dial Backup 8/87
Addendum	8/87	
999-100-230IS	1	DATAPHONE II 2224A Full Duplex Modem — User Manual
999-100-231IS	2	DATAPHONE II Series 700 STAT MUX — User Manual
999-100-232IS	2	DATAPHONE II Series 700 STAT MUX — Reference Manual
999-100-234IS	2	DATAPHONE II Series 700 Networker — User Manual
999-100-235IS	2	DATAPHONE II Series 700 Networker — Reference Manual
Addendum	1	
999-100-237IS	1	DATAPHONE II Series 700 T-MUX — User Manual
Addendum	1	
999-100-238IS	1	DATAPHONE II Series 700 T-MUX — Reference Manual



Number	Issue	Subject	Number	Issue	Subject
Addendum	1		999-100-265IS	1	700 T-MUX-Voice Equipment Mounting Shelf (PEC25195)
999-100-240IS	1	DATAPHONE II 2400 BPS Modem — User Manual	999-100-266IS	1	DPII 700 T-MUX-Voice/Pad Transformer 4403AL1(PEC25194)
999-100-241IS	1	DATAPHONE I 4800 BPS Modem — User Manual	999-100-267IS	1	700 T-MUX-Power and Ringing Supply 8050L1(PEC25136)
999-100-242IS	5/85	DATAPHONE I 9600 BPS Modem — User Manual	999-100-268IS	1	700 T-MUX-Power Supply 24/28VDC 8001L1(PEC25137)
999-100-245IS	1	DATAPHONE I MOD 96 Remote Data Access Unit — User Manual	999-100-277	6/89	Personal Computer Modem — Marketing Guide
999-100-246IS	1	DATAPHONE I MOD R-4 Programmable Responder — User Guide	999-100-281	1	DATAPHONE II Controller 400
999-100-248	2	DATAPHONE II 4024 Modem — User Guide	999-100-284	1	DATAPHONE II System Control Model 400 Marketing Guide
999-100-250IS	1	DATAPHONE II 2144A Modem — User Guide	999-100-285	1	DATAPHONE II 300/400 Addendum
999-100-252	2	DATAPHONE II SDU24A — User Manual DATAPHONE II 2248 Modem 105A Multiple Mount — User Guide	Addendum	6/89	
999-100-253	8/87	DATAPHONE II System Controller Model 300 — User's Manual	999-100-287	2	DATAPHONE II 2296A — User Manual
Addendum	8/87		999-100-288	1	DATAPHONE II 48/96 Shared Diag. Use
999-100-255IS	1	SOFTCALL® Communications Software Version 2.0 — Reference Manual	999-100-289	1	DATAPHONE II 740/741 ACCULINK®
Addendum	8/87		Addendum	2	
999-100-256IS	10/85	DPII Model 4000 Modem — Owners Manual	999-100-292	1	DATAPHONE II 2224 CEO Modem — User Manual
Addendum	8/87		Addendum	8/89	
999-100-257IS	1	Model 4112 Modem — Reference Manual	999-100-295	1	DATAPHONE II 2224G — User's Manual
Addendum	1		Addendum	2	
999-100-258IS	1	DATAPHONE II 2600 — User Manual	999-100-296	1	DATAPHONE II 2192A — User's Manual
999-100-259IS	1	DATAPHONE II Service 700 T-MUX Voice Application — Introduction Manual	Addendum	1	
999-100-260IS	1	700 T-MUX-FXS to E+M Signal Converter 6008AL1(PEC25121)	999-100-297	1	DATAPHONE II ACCULINK® Multiplex
999-100-261IS	1	700 T-MUX-FXO to E+M Signal Converter 6008BL1(PEC25122)	999-100-298	1	ACCULINK N.M. — User Manual
999-100-262IS	1	700 T-MUX-Signal Converter E+M to DX6008CL1(PEC25135)	999-100-300IS	7	DATAPHONE II — Configuration Guide
999-100-263IS	1	700 T-MUX-Pulse Link Repeater 6008DL1(PEC25123)	999-100-301IS	4	DATAPHONE Modem — Configuration Guide
999-100-264IS	1	700 T-MUX-Common Transmission Module 6131L1(PEC25120)	999-100-302IS	1	551T1 Channel Service Unit
			999-100-303IS	1	DATAPHONE I Plus Service — Configuration Guide
			999-100-304IS	5	DATAPHONE II Service — Implementation Guide
			999-100-307	3	DATAPHONE Multiplexer Service — Configuration Guide
			999-100-308IS	2P	DATAPHONE II Series 700 Multiplexer — Configuration Guide

Number	Issue	Subject	Number	Issue	Subject
999-100-309IS	3	DATAPHONE Multiplexer Service — Configuration Guide	999-100-448	1	STARLAN 386 Network Manager Administration Guide V3.2
999-100-312	1	DATAPHONE II System Control/Model 300 — Configuration/Implementation Guide	999-100-450	5	AS/Gateway Single Brd 3270 User Guide
999-100-313IS	1	DATAPHONE II 2500 Series Data Service Units — Configuration Guide	999-100-453	3	STARLAN Network Client DOS User's Guide Supplement U3.2
999-100-314IS	1	DATAPHONE II 2600 Series Data Service Units — Configuration Guide	999-100-454	3	STARLAN Network 386 Server Software — Installation and Administration Guide V3.2
999-100-315IS	1	DATAPHONE II 2700 Series Data Service Units — Configuration Guide	999-100-455	3	STARLAN Network 386OSI — Network Program Guide V3.2
999-100-316IS	1	DATAPHONE II 2600 Switch Digital Data Service Units — Configuration Guide	999-100-456	2	STARLAN Network 386 Remote PC Gateway Client — User's Guide V3.2
999-100-322	1	DATAPHONE II Data Cabinets	999-100-457	2	STARGROUP® Software 386 Remote PC Gateway: Server Administration Guide V3.2
999-100-421	1	STARLAN Server — Administrator's Guide	999-100-458	1	STARLAN 10 Network Fiber Hub — Installation Guide
999-100-423	1	STARLAN Network — User's Guide	999-100-459	2	STARLAN 10 Network EN100 — Installation Guide
999-100-425	1	STARLAN Installation — Configuration Guide	999-100-461	2	STARGROUP 386 Asynchronous Gateway Server — Administration Guide V3.2
999-100-430	2	STARLAN Network Hub Unit Installation	999-100-463	1	STARLAN Network 3B2 Server Software — Installation and Administration Guide V3.1
999-100-431	2	STARLAN 10 Network Hub-Installation Guide	999-100-464	2	STARLAN Network 3B2 OIS Network Program — Administration Guide V3.1
999-100-432	1	PC NAU — Installation Guide	999-100-466	1	3.86 X:25 Router Program — Administration Guide V3.2
999-100-434	1	10: Fiber Adapter — Installation Guide	999-100-467	1	3B2 X.25 Router Program — Administration Guide
999-100-437	1	NAU Plus Installation Guide	Addendum	7/87	
999-100-438	3	STARLAN Network DOS S/W — Installation Guide	999-101-189IS	1	551T1 Bit Error Rate Test Set — User Manual
999-100-439	1	DOS Server — Getting Started Guide V3.2	999-101-196IS	1	DATAPHONE II 2600 Series Operation Procedures — Reference Card
999-100-440	2	Client Menus — User Guide	999-101-198IS	1	DATAPHONE II 2212C Modem — Reference Card
999-100-441	2	Client Menus — Administration Guide	999-101-205IS	1	DATAPHONE II Level IV Introduction
999-100-442	3	Client — User Guide	999-101-207IS	1	DATAPHONE II Network Control Software Version 2.8B — Installation/ Maintenance Manual
999-100-443	3	Client Software — Installation/ Configuration Guide	Addendum	3/78	
999-100-444	3	Client Server — Administration Guide V3.1	999-101-213IS	1	DATAPHONE II Private Line Modem 2024/2048/2096 — Installation/ Maintenance Manual
999-100-445	2	Client Quick Menus — User Guide			
999-100-446	3	Client Windows Server — Administration			

Number	Issue	Subject	Number	Issue	Subject
999-101-227	2	DATAPHONE II 745 ACCU-LINK® Multiplexer — Reference Guide	999-102-252IS	1	DATAPHONE II 2248 Stand-Alone Modem — User Manual
999-101-230IS	1	DATAPHONE II 2224B Full Duplex Modem — User Guide	999-102-253	1	DATAPHONE II 300 Controller Communications Maintenance
999-101-231IS	1	DATAPHONE II Series 700 STAT MUX — User, Reference, Service Manual, and Binder	999-102-270	1	System Controller 300/400
999-101-234IS	1	DATAPHONE II Series 700 Networker — User, Reference, Service Manuals and Binder	999-102-281	1	DATAPHONE II System Controller — Instruction Manual
999-101-237IS	1	DATAPHONE II Series 700 T-MUX — User, Reference, Service Manuals and Binder	999-102-287	1	Dialer Modules/2A4/2A2/2B1 Installation Instructions
999-101-252IS	1	DATAPHONE II 2248 Modem 105A Multiple Mount — Installation Manual	999-102-292	1	DATAPHONE II 2224 CEO Modem
999-101-253	1/87	System Controller 300 — Installation Manual	999-102-295	1	DATAPHONE 2224G Modem — Configuration Guide
999-101-258IS	2	ACCUNET® Switched 56 Data Service Unit — Reference Card	999-103-253	1	DATAPHONE II System Controller Model 300 Command Directory
999-101-281	1	DATAPHONE II System Control	999-103-281	1	DATAPHONE II System Controller 400 Maintenance Manual
999-101-289	1	DATAPHONE II 740/741 ACCU-LINK Multiplexer — Reference Manual	999-103-289	1	DATAPHONE II ACCULINK Multiplexer (Binder and Tabs only)
999-101-292	1	DATAPHONE® II 2224 CEO Modem — Getting Started	999-103-295	1	DATAPHONE II 2224 G Data Set
■ 999-101-305	1	ESF CSU Multiline User Manual	999-104-230IS	1	DATAPHONE II 2224A+B Full Duplex Modems — Reference Card
999-102-121IS	1	801 Automatic Calling Unit — User Manual	999-104-253	1	DATAPHONE II System Controller Model 300 Instruction
999-102-142IS	1	202T Modem — User Manual	999-104-281	1	DATAPHONE II PC Software — Installation & User Guide
999-102-150IS	1	500B Data Service Unit — DATAPHONE Digital Service — User Manual	999-104-287	1	DATAPHONE II 2296A Modem 320A Kit
Addendum	8/87		999-105-205IS	2	DATAPHONE II Video Display Terminal — Installation and Maintenance Manual
999-102-153IS	1	208BR Modem — User Manual	999-105-230IS	1	DATAPHONE II 2224E Full Duplex Modem — User Manual 8/87
999-102-154IS	1	108F & 108G Modem — User Manual	999-105-155	8/87	DATAPHONE II SC 300 Installation /Maintenance Binder
999-102-156IS	1	202SR Modem — User Manual	999-105-281	1	DATAPHONE II SC 400 Configuration Implementation Guide
999-102-160IS	1	212AR Modem — User Manual	999-105-287	1	DATAPHONE II 2296A Modem 320B Kit
999-102-162IS	1	103JR Modem — User Manual	999-106-205IS	2	DATAPHONE II Local Copy Printer — Installation and Maintenance Manual
999-102-173IS	1	201CR Modem — User Manual	999-106-253	8/86	DATAPHONE II System Controller — Reference Card
999-102-174IS	1	201C Modem — User Manual	999-106-281	1	DATAPHONE II SC/400 Introduction
999-102-225	1	DATAPHONE II 839 Type Dial Backup Units — Configuration Guide			
999-102-227	1	DATAPHONE II 745 ACCU-LINK® Multiplexer			
999-102-231	8/87	DATAPHONE II Series 700 Binder and Inserts Only — No Text			

Number	Issue	Subject	Number	Issue	Subject
999-106-305	1	ESF CSU Expansion Shelf and Power Supply Installation Manual	999-200-156	3/78	How to Operate 507 Cordless Switchboard
999-107-205IS	2	DATAPHONE II System Printer — Installation and Maintenance Manual	999-200-157	3/78	How to Operate 555 Cordless Switchboard
999-107-281	1	DATAPHONE II 400 — Installation/ Maintenance	999-200-158	3/78	How to Operate 556 Switchboard
999-107-287	1	DATAPHONE II 2296 — Configuration Guide	999-200-159	3/78	How to Operate 608D Dial Switchboard
Addendum	1		999-200-176	3	How to Operate DIMENSION® PBX Attendant Console with Feature Package 3
999-107-296	1	DATAPHONE II 2292 — Configuration Guide	999-200-177	12/80	How to Operate DIMENSION PBX Attendant Console with Feature Package 4
999-110-227	1	DATAPHONE II 745 ACCULINK Multiplexer — Configuration Guide	999-200-178	2	How to Operate DIMENSION PBX Attendant Console with Feature Package 7
999-120-401	1	10: PC Fiber NAU Installation Guide	999-200-179	3	How to Operate DIMENSION with Feature Package 10
●999-120-406	3	10: AUI Adapter Installation Guide Release 1.0	999-200-183	4	How to Operate Hospitality Communications System with Feature Package 9 4/89
999-120-504	2	3B2 TCP Access Administration Guide	999-200-184	3/78	How to Operate DIMENSION Attendant Console on AUTOVON 4/89
999-120-508	2	Adminstrating LAN Manager	999-200-186	3/78	How to Operate 27 and 47 Type Consoles No. 2 ESS™
999-120-510	2	Upgrading to LAN Manager	999-200-187	3	Hospitality Communications or Management System No. 9
999-120-728	1	Concentrator Installation— Guide for STARLAN 100 Network	999-200-188IS	6	How to Operate and Application Information DIMENSION PBX Customer Administration Panel with Feature Package 8
999-120-735	1	Brouter Installation Guide— Customer Traffic Data — Real Time User Guide R2.0	999-200-189	5	How to Operate and Application Information for CACS DIMENSION 2000 and Custom PBX 4/89
999-120-736	1	Brouter Administration Guide	999-200-190	4/89	How to Operate DIMENSION Attendant Console — Visually Impaired Attendant
999-120-743	1	Installing LAN Manager Version 3.4	999-200-199	3	How to Operate and Application Information for CAP with Feature Package 12
999-120-744	1	Using LAN Manager Version 3.4	999-200-200	4/89	How to Operate and Application Information for DIMENSION PBX Centralized Attendant Service FADS
999-120-770	1	Network Smarthub Management Station Installation Guide	999-200-201	3	How to Operate 50B Customer Premises System with Electronic Console
999-120-771	1	Network Smarthub Installation Guide			
999-120-787	1	LAN/WAN Design Guide NOTE: Replaces 999-120-002			
999-120-802	1	STARWAN® Brouter Guide Interoperability			
999-190-155	8/87	DATAPHONE II Network Controller — User Manual Addendum to 999-100- 201IS			
<b>999-2 PBX Equipment</b>					
999-200-155	3/78	How to Operate 557B Secretarial Board			

Number	Issue	Subject	Number	Issue	Subject
999-200-202	3	How to Operate 50B Customer Premises System with Multiple Button Electronic Telephone Set (4/89)	999-200-244	3/78	DIMENSION System — User Guide Feature Package 8
			Addendum	3	7/89
999-200-209	5/89	Customer Administration Center System (CACs) Management — Reference Information	999-200-155	3/78	DIMENSION System Feature Package 8 — Administration Manual
999-200-211IS	3	User Guide DIMENSION System Feature Package 15	999-200-247IS	1	Energy Communications Service Adjunct — System Management Operation
999-200-212IS	3	DIMENSION System Administration Manual for Feature Package	999-200-248IS	1	Energy Communications Service Adjunct — Application Strategy
999-200-213	2	How to Operate DIMENSION PBX Hospital Communications Management System Deluxe with Feature Package 11	999-200-249IS	1	Energy Communications Service Adjunct System Planning — Reference Manual
999-200-214	2	How to Operate and Application Information for Customer Administration Panel Feature Package 11	999-200-250IS	1	DIMENSION® PRELUDE® System — Reference Manual
999-200-215	2	How to Operate Hospitality Communications Management System — Deluxe with Feature Package 4/89	999-200-270IS	2	HORIZON® — Reference Manual
			Addendum	1	
999-200-155	3/78	How to Operate and Application Information for DIMENSION PBX Uniform Call Distribution FADS 6/80	999-200-271IS	1	HORIZON — Administration Manual
999-200-155	3/78	How to Operate DIMENSION PBX Console with Feature Package 9	999-200-272IS	1	HORIZON — Implementation Manual
999-200-218	2	Energy Communications Service DIMENSION PBX — Users Application and Instruction Guide	999-200-280IS	1	HORIZON CMS/ACD — Reference Manual
999-200-219	10/82	How to Operate Centralized Message Detail Recorder Direct Tape Version	999-200-281IS	1	HORIZON CMIS — Administration Manual
999-200-220	2	How to Operate and Application Operation for Energy Communications Service with DIMENSION PBX	999-201-232IS	1	Subscriber Guide Voice Store and Forward Subs Guide
999-200-222	11/82	How to Operate Centralized Message Detail Recorder Direct Output Version	999-202-230IS	1	AP-16 Call Management System — Forecast Guide
999-200-238IS	1	Manual Local Storage Unit Direct Output	999-202-232IS	1	Voice Store and Forward — Wallet Card
999-200-241IS	2	DIMENSION System Feature Package 8 Implement Manual	999-290-183IS	1	Addendum to 999-200-183
999-200-243IS	2	DIMENSION System Reference Manual Feature Package 15 Implement Manual (6/89)	999-290-188IS	8/87	DIMENSION System with Feature Package 8 Administration Manual. Addendum to 999-200-188IS
			999-290-189IS	1	Addendum 2 to 999-200-189
			999-290-209IS	8/87	Reference Manual DIMENSION System with Feature Package 8 Customer Administration Center System. Addendum to 999-200-209IS 8/87
			999-290-214IS	8/87	Administration Manual DIMENSION System Feature Package 11 Customer Administration Manual. Addendum to 999-200-214IS 8/87

Number	Issue	Subject	Number	Issue	Subject
999-290-215IS	8/87	User Guide DIMENSION System with Feature Package 11. Addendum to 225IS 8/87	999-300-139IS	6	DATASPEED 4548-20/-22/-25 Keyboard Display — CC500067475
999-290-225IS	8/87	Addendum to 999-200-225IS	999-300-140IS	1	DATASPEED 4540 — User Guide
<b>999-3 Terminals</b>			999-300-141	2	How to Operate DATASPEED 4540 Keyboard Display with Internal Numeric Cluster Keyboard
999-300-101IS	1	4418 Display Terminal — User's Guide — CC500067293	Addendum IS	1	
Appendix 1	3	CC501002612	999-300-143IS	1	DATASPEED 4540 — Station Manager Manual
Appendix 2	3	CC501003727	999-300-144IS	1	3330 Model 106 — User Guide
999-300-106IS	4	6500 Station — Manager's Guide (Binder) CC501004667	999-300-145	1	How to Operate 4540 Single Display Station with Trouble Analysis and Option
999-300-106IS	4	6500 Station — Manager's Guide (Text Only) CC501004634	999-300-147IS	3	DATASPEED 4540 LCC — Administration Manual
999-300-106IS	5	6500 Station — Manager's Guide (Text Only) — CC501005342	999-300-150	1	How to Operate COMM-STOR* II
999-300-106IS	6	6500 Station — Manager's Guide (Binder) CC5010007538	999-300-150IS	3	478/479 Printer — User Guide CC500049523
Addendum	6		999-300-151IS	2	478/479 Printer — Pocket Reference Guide — CC500067376
999-300-106IS	6	6500 Station — Manager's Guide (Text Only) — CC501006225 NOTE: Binder or text can be ordered separately.	999-300-152	3	Field Attribute Chart
999-300-109	8/87	CC501001580	999-300-152IS	1	478/479 Printer — Reference Manual — CC500049028
999-300-109IS	1	4425 Telesystem Dialer — User Guide — CC500047980	999-300-153IS	1	How to Use COMM-STOR II SMDR Revise F-02
999-300-121	6	How to Operate Asynchronous DATASPEED 40/1-2-3 Keyboard Display	999-300-156IS	2	Call Rating System Feature Group A Revise B.03
999-300-124IS	1	Asynchronous DATASPEED® 4420 Keyboard Display	999-300-157IS	2	Call Rating System Feature Group B Revise B.03
999-300-127IS	1	5620 Dot Mapped Display Terminal — User Guide — CC500066741	999-300-158IS	1	PDE 100 Terminal — Administration Manual
999-300-128IS	4	6561 Printer Controller — User Guide — CC500049440	999-300-159IS	1	PDE 200 Terminal — Administration Manual
999-300-133	3	Teleprinter 1000 RO — User Manual	999-300-160IS	1	PDE COMM-STOR II — User Manual
999-300-134	1	How to Operate 43 Teleprinter KSR Stations	999-300-163	1	DATASPEED Printer Noise-Reducing — User's Operation Instruction
999-300-135IS	1	How to Operate 43 Teleprinter 8 Level BBR — User Guide	999-300-164IS	1	PDE Terminals APPL SPEL Manual
999-300-136	1	How to Operate 43 Teleprinter 5 Level Buffered Selective Calling Station and Paper Tape Punch	999-300-165IS	1	PDE Terminals UDM II — Program Manual
999-300-137	1	How to Operate 43 Teleprinter 8 Level Buffered Selective Calling Station			

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Number	Issue	Subject	Number	Issue	Subject
999-300-166IS	1	PDE 100 Terminal PDAM — Program Manual	999-300-235IS	1	5305 Printer — Reference Manual — CC501001028
999-300-167IS	1	PDE Terminal — Administration Manual	999-300-236IS	3	6571 & 6572 Printer — User Guide — CC501000657
999-300-170AB	1	QUORUM® Tele-Conference Bridge — User Guide (8-84)	999-300-237IS	2	6571 Printer — Reference Manual — CC501001531
999-300-171AB	1	QUORUM Teleclass Bridge — User Guide	999-300-239IS	1	5310T Printer — Pocket Reference Guide — CC501000665
999-300-173IS	1	GEMINI® Electronic Conference System — User Guide	999-300-247IS	4	6518 Display — User Guide — CC501005870
999-300-175IS	3	TELESEER® SMDR — User Guide	999-300-248IS	2	6578 Display Terminal — User Guide — CC501000673
Addendum	1		999-300-250IS	1	PT 510A — User Guide — CC403781354
999-300-176IS	1	477 Deluxe Color Printer — User Guide	999-300-252IS	1	PT 510 — User Guide
999-300-178IS	8/87	AT&T Model 7500S Electronic Typewriter — User Guide	Addendum	1	CC501006001
999-300-179IS	4	6528/6529 Displays — User Guide — CC501005862	999-300-253IS	1	PT 510-R2 — User Guide — CC501001374
999-300-182	2	447 Printers — User Guide	999-300-255IS	1	PT 510D-R2 — Technical Reference Manual — CC501001390
999-300-183IS	2	5310/5320 Teleprinter — User Guide — CC501000608	999-300-270IS	1	610 BCT — User Guide — CC500067418
999-300-195IS	1	Introduction to Protocol Converters	999-300-274IS	2	5310/5320 Printer — User's Guide — CC501006233
999-300-198IS	1	AT&T 7500S Electronic Typewriter LCV Communications Interface	999-300-275IS	1	5310/5320 Printer — Pocket Reference Guide — CC501001762
999-300-205	1	PC6300 — Reference Manual — CC405235359	999-300-280IS	1	AT&T FAX 3510D — User Guide
999-300-209IS	1	510/510A Universal Security Cartridge — User Card	999-300-284IS	2	473/474 Printer — User Guide
999-300-210IS	1	510/510A Universal Directory Cartridge — User Card	999-300-285IS	2	470/471 475/476 Printer — User Guide
999-300-211IS	3	620 Multi-Tasking Graphics Terminal — User's Guide — CC501001507	999-300-286IS	1	435 Plotter — User Guide
999-300-212IS	1	620 Multi-Tasking Graphics Terminal — Pocket Reference Guide — CC501001515	999-300-287IS	1	435 Plotter — Quick Reference Card
999-300-224IS	2	5310 Printer — User's Guide — CC501000616	999-300-288IS	1	435 Plotter — Programming Guide
999-300-225IS	2	478T Printer — User's Guide — CC501000624	999-300-294IS	1	SSI IRMA PC Adapter — User Guide — CC501002125
999-300-227IS	2	561600AAA Dialer/Modem — User Guide — CC500067780	999-300-297IS	1	6579 Display — User Guide — CC501002463
999-300-233IS	3	5305 Printer — User Guide — CC501007561	999-300-297IS	2	6579 Display — User Guide — CC501006977 — Template No. CC524604436
999-300-234IS	2	478T Printer — Pocket Reference Guide — CC501000640	999-300-298IS	2	6580 Display — User Guide — CC501006969 — Template No. CC524604444
			999-300-299IS	1	605 Business Communications Terminal — User Guide — CC501002489 (With Template — CC523457035)

Number	Issue	Subject	Number	Issue	Subject
999-300-302IS	1	615 Multi-Tasking Terminal — User Guide — CC501002505	999-300-374IS	1	510D-R1 Modification Kit Office Telesystem Compatibility — User Guide — CC501004170
999-300-303IS	2	Pocket Reference Guide — 615 Multi-Tasking Terminal — Pocket Reference Guide — CC501002513	999-300-375IS	2	630 Multi-Tasking Graphics (MTG) Terminal User Guide — CC501006050
999-300-322IS	1	620 Multi-Tasking Graphics Terminal — Technical Reference — CC501002836	999-300-376	1	PC6310 — Users Guide — CC105293526
999-300-323IS	1	Dataspeed 4425 Emulation Cartridge — User Guide — CC501003024	999-300-377	1	PC6310 Hardware — Reference Manual — CC105293534
999-300-324IS	1	VT220 Emulation Cartridge — User Guide — CC501003032	999-300-380IS	1	SSI/E1A RS-232-C Expansion I/O Card — Installation Guide — CC501004618
999-300-325IS	2	561 602 AA AA Auto Dialer — User Guide — CC501003040	999-300-381	1	PC6310 — Service Manual — CC105305049
999-300-326IS	1	561 603 AA AA Limited Distance Modem — User Guide — CC501003057	999-300-383	1	PC6310 ROM/BIOS Manual — CC105335939
999-300-327IS	2	513 BCT/System 75 Emulation Cartridge — User Guide — CC501003065	Addendum	1	CC501006423
999-300-329IS	2	Upgrade A 610 BCT to A 615 MT — Installation Guide — CC501003081	999-300-392IS	2	6500 Station Manager Guide — AT&T Communications — Special Supplement 2.1 — CC501005599
999-300-331IS	1	561 620 RAM Module — User Guide — CC501003107	999-300-393IS	1	6538/6539 Display — User Guide — AT&T Communications — Special Supplement 2.1 — CC501005607
999-300-340IS	1	630 MTG Software — Reference Manual — CC501003545	999-300-394IS	1	6591 Display — User Guide — CC501005631
999-300-341	1	630 MTG Software — Development Guide — CC501003552	999-300-395	1	PC6386 — User's Guide — CC105377451
999-300-342	2	630 MTG Software — Release Notes — CC501003560	999-300-396	1	PC6386 Service Manual — CC105379309
999-300-346	3	User Guide Installation/Test — CC501003834	999-300-397	1	PC6386 Hardware Reference Manual — CC105380562
999-300-351IS	1	4540 Keyboard Display When Used With a 6500 Station — User Guide — CC501003909	999-300-400	1	PC6386 ROM/BIOS Manual — CC105379317
999-300-358IS	1	6518 Display — Installation Guide — CC501003990	999-300-409	1	UNIX* 6386 ISV/VAR Tool Kit — CC105389001
999-300-359IS	1	6528/6529 Displays — Installation Guide — CC501004006	999-300-420	1	610 BCT Replacement of Software EPROMS with Version 1.3 — Installation Guide — CC501006340
999-300-360IS	1	6538/6539 Displays — Installation Guide — CC501004014	999-300-427	1	6386 UNIX System V Document Roadmap — CC105435754
999-300-361IS	1	6543 Multi-Function Communication Controller — Installation Guide — CC501004022	999-300-428	1	6386 UNIX System V Product — CC105429658
999-300-362IS	1	6544 Multi-Function Communication Controller — Installation Guide — CC501004030	999-300-431	1	PC6312 — Users Guide — CC105422158

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Number	Issue	Subject	Number	Issue	Subject
999-300-432	1	PC6312 Hardware — Reference Manual — CC105422166	999-300-552	1	6544 Multi-Function Communication Controller With Expanded Features — Installation Guide — CC501008460
999-300-433	1	PC6312 — Service Manual — CC105422174	999-300-554	1	605 Asynchronous Terminal Interfaces Mil-Std 188-114A and RS-449-Users Guide Supplement — CC501008684
999-300-434	1	PC6312 ROM/BIOS Manual — CC105422182	999-300-555	1	630 MTG for 6500 System — Users Guide Supplement — CC501008718
999-300-438IS	1	Non-AT&T Plug Compatible Manufacture (PCM) Displays Used in the 6500 Station — User's Guide — CC501006688	999-300-557	1	6562 Printer Controller — User's Guide — CC501008924
999-300-439	1	442/444 Printers — User Guide	999-300-558	1	6518/6529, 6538/6539 Display (56KS60AGH Keyboard) — Users Guide Supplement — CC501008767
999-300-440	1	6598 SSI to Fiber Optic Multiplexer — Users Guide — CC501006704	999-300-561	2	570/571 Printer Users Guide — CC501008957
999-300-447	1	Foundation Manual — CC105429708	999-300-562	1	572/573 Printer Users Guide — CC501008932
999-300-449	1	SSI Net Pocket Controller Installation Guide — AT&T Time and Attendant System — CC501006852	999-300-563	1	580/581/583 Printer Guide — CC501008940
999-300-450	1	1A Data Collection Terminal Installation Guide — AT&T Time and Attendance System — CC501006845	999-300-567	1	6542 Mini Controllers Installation Guide — CC501009039
999-300-452	2	SSI RS232 Protocol Conversion Installation Guide — AT&T Time and Attendance System — CC501006829	999-300-568	1	6542 Controllers Generic 3.2 Station — Managers Guide — CC501009054
999-300-481	1	6538/6539 Users Guide — Four Sync Host Access and Extended Play Key Enhancement Supplement — CC501008072	999-300-570	1	615 Color Multitasking Terminal — User's Guide — CC501009476
999-300-498	1	Personal Computers (3270 Terminal Emulation) Connectivity and Operation With 6500 User's Guide — CC501008239	999-300-571	1	5305 Printer Reference Manual Supplement (Version A, B, C) CC501009518
999-300-515	1	6538/6539 Displays Generic 3.1 — Users Guide Supplement — CC501008379	999-300-572	1	605 Asynchronous Terminal Technical Reference — CC501009815
999-300-516	1	Non AT&T Compatible Manufacture (PCM) Displays Used in the 6500 Station Generic 3.1 Users Guide Supplement — CC501008387	999-300-579	1	6583/6539 Display User's Guide Supplement (Tandem/Hewlett Packard Feature Package)
999-300-551	1	6528/6529 Displays Generic 3.1 Users Guide Supplement — CC501008452	999-300-584	1	6591D Display Users Guide — CC501010540
			999-300-585	1	6592 D/F Display Users Guide — CC501010557
			999-300-592	1	6544 Controller Generic 3.2 Station — Managers Guide — CC501010623
			999-300-593	1	6542 Expanded Memory Logic Module — Installation Guide — CC501010631

Number	Issue	Subject	Number	Issue	Subject
999-300-594	1	6542 Two Port Asynchronous Logic Module — Installation Guide — CC501010649	999-300-650	1	6544 Controller Terminal Dialing Feature Package for 6538/6539 Display — User's Guide Supplement — CC501013106
999-300-595	1	6542 Four Port PCM Device Logic Module — Installation Guide — CC501010656	999-300-651	1	6538/6539 Display AP Feature for Generic 3.2 — User's Guide E Supplement — CC501013122
999-300-601	1	Generic 3.0.1 Station Managers Guide Supplement — CC501010524	999-300-652	1	730 Multi-Tasking Graphics Terminal — User's Guide
999-300-608	1	6544 Token — Ring Logic Module — Installation Guide — CC501011019	999-300-653	1	730 Mounting Terminal Pocket Reference Card (3.5 x8.5")
999-300-614	2	6562 Printer Controller Quick Reference Guide — CC501011142	999-300-693	1	6544 Controller Token-Ring Client Feature — Station Manager's Guide Supplement
999-300-615	1	6518 Display (56K560/AGA Keyboard) Generic 3.2 — User's Guide Supplement — CC501011373	999-300-694	1	730 Mounting Upgrade Kit — Installation Instructions — CC406096396
999-300-616	1	6528/6529 Display Generic 3.2 — User's Guide Supplement — CC501011365	999-300-698	1	6471 EA/EG Displays — User's Guide
999-300-617	1	6538/6539 Display Generic 3.2 — Users Guide Supplement — CC501011357	999-300-702	1	6471 FA/FG Displays — User's Guide
999-300-619	1	PCM Display Operation With 6500 Generic 3.2 — User's Guide — CC501011381	999-300-708	1	595 Laser Printer — Application Manual
999-300-623	1	6538/6539 Display User's Guide Supplement (Hewlett Packard Feature Group)	999-300-721	1	730+ Users Guide
999-300-629	3	AT&T 593 Laser Printer — User's Guide	999-300-735	1	705 MT Multitasking Terminal Reference Manual
999-300-630	3	AT&T 593 Laser Printer — Application Manual	999-300-738	1	750 CX Terminal System Administrators Guide
999-300-640	1	6544 Controller Generic 3.3 — Station Manager's Guide Supplement	999-301-1211S	1	Dataspeed 40 Printer — User's Guide
999-300-643	1	6544 Controller Token Ring Gateway Feature — Station Manager's Guide Supplement	999-301-123	1	How to Operate Data Set 201C with Synchronous DATASPEED 40/4 Station
999-300-644	1	6544 Controller AP Feature for Generic 3.2 Station Manager's Guide Supplement — CC501012892	999-301-124	2	Options Guide Asynchronous DATASPEED 4420 Keyboard Display
999-300-645	1	6544 Controller AP Feature for Generic 3.2 Technical Reference Supplement — CC501012884	999-301-132	1	Teleprinter 1000 KSR — Reference Card
999-300-646	1	730X User's Guide	999-301-138	1	DATASPEED 4430 — Optioning Manual
			Addendum	3	CC501006746
			999-301-139IS	3	Enhanced DATASPEED 4540/4544 CONT — Administration Manual — CC500067426
			999-301-150	2	COMM-STOR II CSV — User Reference Guide
			999-301-151	2	COMM-STOR II 8A1/8B1 — User Reference Card
			999-301-152	2	How to Use COMM-STOR II Extended Forms Option

Number	Issue	Subject	Number	Issue	Subject
999-301-158IS	1	PDE 100 Operate Card	999-304-136IS	1	Optioning Manual 43 Teleprinter 5 Level BSC Enhanced
999-301-159IS	1	PDE 200 Terminal Card	999-304-139IS	1	DATASPEED® 4540 Keyboard Display — User Guide — CC501000707
999-301-160IS	1	PDE COMM-STOR Technical Reference	999-305-121	2	How to Operate DATASPEED® 40 Forms Access Printer
999-301-175IS	3	TELESEER® SMDR — Service Manual	Addendum	2	
999-301-183IS	2	Model 5310/5320 Printer — Reference Manual — CC501001036	999-306-139IS	1	Enhanced DATASPEED® 4540 Wiring — Installation Guide — CC500000723
999-301-190IS	4	Network Distribution Systems Networking Multiplexers — Planning and — Configuration Guide	AddendumIS	1	CC501002216
999-301-270IS	1	610 BCT — Pocket Reference Guide — CC500067459	999-306-250IS	1	PT 510A Technical Reference Manual
999-301-280IS	8/87	AT&T FAX 3510D Reference Manual	Addendum	1	
999-302-123	1	How to Operate Data Set 208A with Synchronous DATASPEED 40/4 Station	999-306-252IS	1	PT 510 Technical Reference Manual
999-302-124IS	1	DATASPEED 420 Technical Reference	999-307-139IS	5	DATASPEED 4558-12 Keyboard Display — CC500067475
999-302-132	1	Teleprinter 1000 KSR Configuration Worksheet	999-308-139IS	2	CC501001572
999-302-133	1	Teleprinter 1000 RO Configuration Worksheet	999-308-139IS	2	DATASPEED 4540-4546 Cont Administration Manual — CC500067483
999-302-137	1	Optioning Manual 43 Teleprinter 8 Level Buffered Selective Calling	999-310-180IS	1	DATASPEED 4410 Display Terminal With Option Integrated MOD — User Guide
999-302-139IS	1	DATASPEED 4540 Keyboard Display — User Guide — CC501000681	999-310-181IS	2	DATASPEED 4425 Display Terminal — User Guide — CC500067509
999-302-151IS	1	How to Operate COMM-STOR II Local Storage Unit	999-311-121	2	How to Operate Data Set 103G in DATASPEED 40/2 Station
999-302-170IS	1	QUORUM® Teleconference Bridge Installation Manual	999-311-180IS	1	DATASPEED 4410 Display Terminal — Pocket Reference Guide — CC500067525
999-302-171IS	1	QUORUM Teleclass Bridge Installation Manual	999-311-181IS	2	DATASPEED 4425 Display Terminal — Pocket Reference Guide — CC500067533
999-303-136IS	1	43 Teleprinter 5 Level Buffered Selective Calling Implementation Manual	999-312-121	2	How to Operate Data Set 103J DATASPEED 40/2 Station
999-303-139IS	1	DATASPEED® 454P Information Display System Implementation Manual SNA/SDLC	999-312-180	8/87	DATASPEED 4410 — Technical Reference Manual
999-303-140	1	How to Operate DATASPEED® 4540/CP45 027 Keyboard Display	999-313-121	1	How to Operate Data Set 103 A3 DATASPEED 40 Station
999-303-143	1	Station Managers Manual DATASPEED® 4540/CP45 270	999-314-121	1	How to Operate Data Set 103A DATASPEED 40 Station
999-303-252IS	1	510 Introduction Training — User Card	999-314-139	1	IRMA Keyboard — Configuration Guide Card — CC500067541
			999-316-121	1	How to Operate Data Set 202C DATASPEED 40 Station

Number	Issue	Subject	Number	Issue	Subject
999-318-121	1	How to Operate Data Set 202R DATASPEED 40 Station	999-350-604	1	VMS Installation Implementation Maintenance Guide
999-318-139IS	1	4540/E4544 Local Channel Control — Implementation Guide — CC501000731	999-350-605	1	VMS Quick Reference Guide
999-319-121	1	How to Operate Data Set 202S DATASPEED 40 Station	999-350-606	1	VMS Installation Implementation Maintenance Update
999-320-121	1	How to Operate Data Set 202T DATASPEED 40 Station	999-350-607	1	VMS ERTA Administration Guide
999-350-502	1	FAX 3500D — User's Guide	999-350-613	1	CL Accounting TM Custom Installation
999-350-503	1	FAX 3500D — Quick Reference Guide	999-350-622	1	Customer Satisfaction Guarantee
999-350-504	1	FAX 3520D — User's Guide	999-350-623	1	1A Key Pocket Reference Card
999-350-505	1	FAX 3520D — Quick Reference Guide	999-350-625	1	Merlin ML VMS LGD SL Guide
999-350-580	1	FAX — Sales Training Video 1/2	999-350-626	1	GBS Marketing and Sales Guide
999-350-581	1	Facsimile Family — Sales Training Video/Companion Workbook	999-350-627	1	GBS USA Brochure (25 per pkg)
999-350-582	1	FAX 3500D — Customer Education Video	999-350-629	1	PAGE PAC* Help Guide (Text and Tabs Only)
999-350-585	1	FAX 3530D — Customer Education Video	Addendum	1	
999-350-586	2	FAX Dealer — Product Guide	999-350-637	1	Automated Document Deliver System
999-350-587	1	Family of FAX — Product Guide	999-350-638	1	INNMANAGER Marketing and Sales Guide
999-350-588	1	Family of FAX — Site Seller Guide	999-350-639	1	INNMANAGER Sample Reports Guide
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999-350-591	1	SPIRIT Communications System — Sales Training	999-350-643	1	TIE Communications Sales and Service Reference Guide
999-350-592	1	SPIRIT Communications 2448 — User Training	999-350-644	1	MITEL Sales and Service Reference Guide
999-350-594	10/91	FAX — Competitive Facsimile Guide Button System — Interconnection/Cross-Connection Apparatus — Description and Installation	999-350-645	1	Classic Line Marketing
999-350-595	1	SPIRIT Communications System Model 308/616 System Planner	999-350-646	1	Trade-In Policy
999-350-596	1	AT&T FAX FEATURES and Competitive Product Matrix	999-350-655	3	Signaling Products Quick Reference Guide
999-350-599	1	FAX 3410D Field Service Manual	999-350-660	1	Partner II Installation Attendant
999-350-601	1	FAX 4515D User's Guide	999-350-661	1	GBS Product Family Posting
999-350-602	1	FAX 4525D User's Guide	999-350-665	1	Elevator Phone Sales Aid
999-350-603	1	VMS System Administration Guide	999-350-666	1	Explosive ATMO Phone (CIB3162) Sales Aid
			999-350-667	1	Outdoor Telephone (CIB3161)
			999-350-668	1	LX-246/RDC II Marketing Sales Guide
			999-350-670	1	AT&T FAX PPF 200 User Guide

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Number	Issue	Subject	Number	Issue	Subject
<b>999-5 ACD and KEY Systems</b>			999-500-202IS	1	PAPERPAC 20 Musicmate — Service and Installation Manual
999-500-110	4	How to Operate COM KEY® 718 Communications System	999-500-203IS	8/87	PAPERPAC 20 Zonemate 3 — Service Manual — MERLIN CS Connect and Operation
999-500-115	4/89	How to Operate Attendant Tele-Emer Ans Bur-Basic 911 Service	999-500-204IS	2	PAPERPAC 20 Zonemate 9 — Service Manual
999-500-116	4/89	How to Operate 600A-Type Attendant Console Phase II ACD-ESS	999-500-205IS	1	PAPERPAC 20 Zonemate 39 — Service Manual
999-500-117	4/89	ACD-ESS™ Phase 2 Supervisor Console	999-500-206IS	2	PAPERPAC 20 Powermate MERLIN Communications System — Installation Instruction
999-500-119	4/89	AEMIS Function Group and ACD (em Supervisor Manual	999-500-225IS	2/87	Electronic Key Telephone System Model 2600 Self — Installation Guide
999-500-120	4/89	How to Operate 600B/C/D-Type Attendant Console Phase II ACD-ESS	999-500-226	4	SPIRIT Communications Model 308/616 — Customer Installation Instruction
999-500-121	4/89	How to Operate 10A1-50 Selective Console	999-500-227	2	SPIRIT Communications Model 308/616 Expand Unit — Installation Instruction
999-500-128	4/89	Customer Administration Panel (CAP) for ESS™ — How to Operate and Application Information	999-500-228	5	SPIRIT Communications Model 308/616 — Administrators Manual
999-500-133	5/89	AEMIS — Administration Guide	999-500-231	8/87	SPIRIT 308/MERLIN + 25/PAD (Stick-on Decals)
999-500-135IS	5	MERLIN® — User Guide 206/410 Feature Package 1	999-500-232	3	SPIRIT Communications System 2248/1224
999-500-136IS	2	MERLIN — User Guide 206/410/820 Feature Package 2	999-500-233	4	SPIRIT Communications System Model 2448 Expansion Unit — Installation Instructions
999-500-137IS	1	MERLIN — User Guide 1030/3070 F/M 1	999-500-234	4	SPIRIT Communications System Model 2448 Line and Station Cards — Installation Instructions
999-500-138IS	1	MERLIN — Using the MERLIN® System with CENTREX OR PDX	999-500-235	5	SPIRIT Communications System Model 2248 — Administration Manual
999-500-140IS	1	MERLIN — User Guide 1030/3070 F/M 4	999-500-236	3	SPIRIT Communications System Model 2448 48-button Attendant Adjunct — Instruction Card
999-500-141	1	MERLIN Plus R2 System Planner	999-500-237	4	SPIRIT Communications System — User Manual
999-500-143IS	1	MERLIN — Users Guide 1030/3070 F/M 5	999-500-238	3	SPIRIT Communications System Model 308/616
999-500-148	2	MERLIN PLUS User Guide	999-500-239	1	SPIRIT Button Designation Label Sheet
999-500-149	1	MERLIN II FM User Card	999-500-240	11/89	SPIRIT Customer Convenience Kit
999-500-153IS	1	2500 Telephone Set with Waiting and Recall	999-500-241	1	SPIRIT 308/616 Overlay
999-500-154IS	1	Message Waiting Indicator Adjunct — User Guide	999-500-242	1	SPIRIT 2448 Overlay
999-500-155IS	1	346 Modular Bulk Power Supply — User Guide			
999-500-200IS	11/87	PAPERPAC-Powermate Voice Paging System — Service and Installation Manual			
999-500-201IS	1	PAPERPAC-Talkmate Voice Paging System — Service and Installation Manual			

Number	Issue	Subject	Number	Issue	Subject
999-500-245	1	PAGEPAC VS	999-500-305	1	PAGE PAC 6 Installation Manual
999-500-247	1	Call Accounting System GBS — Planning, Configuration, and Implementation Guide	999-500-306	1	PAGE PAC 6+ Installation Manual
999-500-249IS	4/89	1A2 Key Telephone System — Replacement Parts Manual	999-500-307	1	PAGE PAC 20+ Installation Manual
999-500-250	1	FAX 3410D Service Training Manual	999-500-315	3	AT&T Door and Phone Controller Installation and Operation Manual
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999-500-253	1	PAGEPAC 6/6 Y/N Guide	999-500-317	1	PARTNER DR Phone Installation
999-500-257	1	PAGEPAC PL Quick Reference Card	999-500-332	1	PARTNER Made USA Brochure
999-500-259	1	PAGEPAC 6/6 Sales WB	Addendum	1	
999-500-260	1	FAX 9025 FAX User Guide	999-500-353	1	Audix Voice Power (AVP) Manager Guide R2.0
999-500-261	1	FAX 9035 FAX User Guide	999-500-354	1	Audix Voice Power (AVP) Quick Reference R2.0
999-500-262	1	FAX Field Service Manual	Addendum	1	
999-500-268	1	P TEC Lite Speaker	999-500-355	1	Intuity Voice Power (AVP) User Quick Reference R2.0
999-500-270IS	3	Installation Service manual — Single Line Set	999-500-356	1	Intuity Voice Power (AVP) System Manager's Guide R2
999-500-271	1	FAX 9015PF User Guide	999-500-357	1	Intuity Voice Power (AVP) Installation Maintenance Guide R2
999-500-272	1	FAX 9015PF Field Service Manual	999-500-413	1	ADDS Administration Guide
999-500-288	1	FAX 9020FX User Guide	999-500-416	1	FAX Attendant System Manager's Guide
999-500-289	1	FAX 9020FX Field Service Manual	999-500-417	1	FAX Attendant Installation and Maintenance
999-500-290	1	FAX 9012 User Guide	999-500-418	1	FAX Attendant User Quick Reference
999-500-291	1	FAX 9500 PPF FAX Operator's Guide	999-500-422	1	FAX 5300 Field Service Manual
999-500-291A	1	FAX 9500 PPF Plus Supplemental Operator's Instructions	999-500-423	1	FAX 5350 User's Guide
999-500-292	1	FAX 9022 FAX User Guide	999-500-424	1	FAX 5350 Quick Reference Book
999-500-292A	1	FAX User's Guide 9022 Update	■ Addendum	1	
999-500-293	1	FAX 9022 FAX Quick Reference Card	■ 999-500-429	1	Marketing Sales — Integrated Solution III
999-500-294	1	FAX 9025 Plus User Guide	■ Addendum	1	
999-500-295	1	FAX 9035 Plus User Guide	■ 999-500-431	1	PARTNER PLUS Marketing Sales Guide
999-500-297	1	FAX 5300 User Guide	■ 999-500-432	1	MERLIN LEGEND® Marketing Sales Guide
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999-500-299	1	FAX 9025 PL Quick Reference Guide			
999-500-300	1	FAX PL Field Service Technical Manual			
999-500-303	1	MERLIN PFC® (Phone Fax Copier) — User Guide			
999-500-304	1	MERLIN PFC — Installation and Maintenance			

Number	Issue	Subject	Number	Issue	Subject
■ 999-500-434	1	NEC* PANASONIC†/TOSHIBA‡	999-502-138IS	2	MERLIN — User Guide 1030/3070 CTX/PBX F/M 3
■ 999-500-438	1	AT&T ACCULINK Access Controller Marketing and Sales Guide	999-502-140IS	1	MERLIN Planning Guide — 1030/3070 with F/M 4
■ Addendum	1		999-502-143IS	1	MERLIN Planning Guide — 1030/3070 with F/M 5
■ 999-500-439	1	AT&T Service Protection Plan III Account Team Brochure	999-502-144	1	MERLIN Plus Communications System — Users Card
■ 999-500-441	1	PARTNER Marketing and Sales Guide R3	999-502-145	1	MERLIN II Communications System — User's Card — 7406 Voice Terminal
■ 999-500-442	1	MERLIN LEGEND Training Video Basic — End User	999-502-146	1	MERLIN II Communications System — User's Card — Basic Touch-tone and Rotary Telephones
999-500-445	1	1993 Premier Performance Addendum	999-502-148	1	MERLIN Plus Communications System RLA Card
999-500-450	1	DEFINITY® Price List	999-502-149	1	MERLIN II Communications System Inst Gtng Std
999-500-450	1	DEFINITY® Marketing and Sales Guide	999-503-137IS	3	MERLIN — User Guide Basic TT/RO Telephones
999-500-640	1	FAX Finder 9500 Printer, Phone, Fax (PPF) Update	999-503-138	1	MERLIN II 5102234 User Guide
999-500-841IS	3	HORIZON® Attendant — User Guide	999-503-139	1	MERLIN II 7406B/D User Guide
999-501-133	12/82	AEMIS Administration Guide. Addendum 1 (999-500-133)	999-503-140	1	MERLIN FM2 TT/ROT
999-501-138IS	8/87	MERLIN Maintenance Exchange Procedures	999-503-141	1	MERLIN II R3 TT/ROT
999-501-140	1	MERLIN Plus Communications System — System Planner	999-503-142	1	MERLIN II R3 User Guide Button
999-501-141	1	MERLIN Plus R2 Communications System — System Planner	999-503-143	1	MERLIN II 7406D&W/D User Guide
999-501-142	8/87	MERLIN 1030/3070 PC6300 Call Management System Version 1.5	999-503-144	1	MERLIN II Communications System — Planning Guide Forms
999-501-145	1	MERLIN II Communications System — User's Card — 5-button, 10-button, and 34-button Voice Terminal	999-503-145	1	MERLIN II Communications System — Planning Guide
999-501-149	1	MERLIN II Call Management System — System Manual	999-503-148	1	MERLIN Plus R2 Customer Chart
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999-502-137IS	1	MERLIN — Attendant Guide 1030/3070 F/M 1	999-504-135IS	5	MERLIN — Administration Manual 206/410 F/M 1
			999-504-136IS	2	MERLIN — Administration Manual 206/410/820 F/P 2
			999-504-137IS	1	MERLIN 1030/3070 F/M 1 — Administration Manual
			999-504-138IS	2	MERLIN — Attendant Guide 1030/3070 CTX/PBX F/M 3
			999-504-139	1	MERLIN II Attendant Planning FM
			999-504-140	1	MERLIN II R3 Attendant User Guide

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 ‡ Toshiba is a registered trademark of Kabushiki Kaisha Toshiba

Number	Issue	Subject	Number	Issue	Subject
999-504-149	1	MERLIN II Planning Guide CMS	999-508-143IS	1	MERLIN — Attendant Guide 1030/3070 F/M 5
999-505-137IS	3	MERLIN — User Guide Off- Premises Telephones	999-508-145	1	MERLIN II — Attendant's Card
999-505-144	1	MERLIN Plus Training	999-508-148	1	MERLIN II — Attendant's Guide
999-506-137IS	1	MERLIN — User Guide 1030/3070 F/M 2	999-509-135	8/87	MERLIN Plus Communications System — Sales Training
999-506-138IS	2	MERLIN Administration Manual 1030/3070 CTX/PBX F/M 3	999-509-138SP	1	MERLIN Guide (Spanish)
999-506-139	1	PARTNER R1 Installation User Guide	999-509-139SP	1	MERLIN Quick Reference Card (Spanish)
999-506-141	1	PARTNER Installation Program- ming Guide	999-509-140SP	1	MERLIN Faceplate BIS 10 (Spanish)
999-506-142	1	PARTNER System Manager's Guide	999-509-141SP	1	MERLIN Faceplate BIS 22 (Spanish)
999-506-143	2	MLC-6 Cordless Telephone — Installation and Troubleshooting	999-509-142SP	1	MERLIN Faceplate BIS 34 (Spanish)
999-506-144	1	PARTNER Quick Reference Card	999-509-143SP	1	MERLIN Faceplate BIS 22D (Spanish)
999-506-144SP	1	PARTNER Quick Reference Card (Spanish)	999-510-135	1	MERLIN II Custom Button Chart
999-506-145	1	PARTNER Plus Quick Reference Card	Addendum	1	
999-506-146	1	MLC6 Cordless Quick Reference Guide	999-510-136	1	MERLIN ML VMS Planning Guide Forms
999-506-147	1	PARTNER and PARTNER Plus Marketing	Addendum	1	
999-506-155SP	1	PARTNER Plus Quick Reference Card	999-510-137	1	MERLIN ML Installation Imple- mentation Manual
999-506-156SP	1	PARTNER Plus Quick Reference Card (Spanish)	999-510-138	1	MERLIN ML Voice Message Quick Guide
999-507-137IS	1	MERLIN Administration Manual 1030/3070 F/M 2	999-510-139	1	MERLIN ML Administration Guide
999-507-140IS	1	MERLIN Administration Manual 1030/3070 F/M 4	999-510-141	1	MERLIN ML Planning Forms
999-507-143IS	1	MERLIN Administration Manual 1030/3070 F/M 5	999-510-145	1	PARTNER II VD Customer Train- ing
999-507-144	1	MERLIN Plus Communications System — System Manual	<b>999-6 Telephone Technique</b>		
999-507-145	1	MERLIN II System Manual			Sleeves for 5 1/4 Disks
999-507-146	1	MERLIN II R3 System Manual	999-600-103	4/77	How to Win Friends on the Tele- phone
999-507-147	1	MERLIN II DRV Administration Chart	999-600-107	6/77	The Secretary and the Tele- phone
999-507-148	1	MERLIN Plus R2 1 Set	999-600-111	16	Area Code Handbook
999-507-149	1	MERLIN II System Manual FEA MOD	999-600-620IS	1	X25 BUS Monitor Operator Manual
999-508-137IS	1	MERLIN — Attendant Guide 1030/3070 F/M 2	999-601-195	8/87	Protocol Converter — User Manual
999-508-140IS	1	MERLIN — Attendant Guide 1030/3070 F/M 4	999-601-196	8/87	Protocol Converter Sales
			999-601-610IS	8/87	X25 NP Operators Handbook
			999-602-195	2	Protocol Converter — User Guide



Number	Issue	Subject	Number	Issue	Subject
999-602-196	1	Protocol Converter — Sales	<b>999-7 System 75, 85, AP, 3B2, and 3B5</b>		
999-603-195	1	Protocol Converter — User Manual	999-700-021IS	1	500BCT — User Guide
999-603-196	1	Protocol Converter — Sales	999-700-022IS	1	460 Printer — User Guide
999-603-610IS	2	X25 NP — Site Preplanning Guide	Addendum	1	
999-605-610IS	2	X25 NP — Installation Guide	999-700-023IS	1	445 Printer — User Guide
999-605-620IS	2	X25 NC — Installation Guide	999-700-024IS	1	443 Printer — User Guide
999-605-622IS	1	X25 Mount Cabinet — Installation Guide	999-700-025IS	1	450 Printer — User Guide
999-605-630IS	1	X25 1845 NM — Installation Guide	999-700-027IS	2	System 85 Data Module — User Guide
999-607-640IS	2	X25 Field Repair Guide	999-700-028IS	2	System 85 Processor Data Module — User Guide
999-609-610IS	1	X25 NP Overview	999-700-029IS	2	System 85 Data Module Trunk Data Module Operation — User Guide
999-609-640IS	1	X25 NC Overview	999-700-047IS	2	System 85 7101A Voice Terminal — User Instruction
■ 999-610-122FR	1	MERLIN LEGEND French MLX-10D/MLX-28D/MLX-20L	999-700-049IS	3	System 85 72/74 Series Terminals — User Instruction
■ 999-610-122SP	1	MERLIN LEGEND Spanish MLX-10D/28D/20L	999-700-056IS	2	System 85 Auto Building Management — System Description Reference Manual
■ 999-610-123FR	1	MERLIN LEGEND 10D/MLX-28D/MLX-20L	999-700-057	2	ABM — User Guide for Terminal Operations
■ 999-610-135	1	MERLIN LEGEND Release Notes 1.1 \m Analog Direct Line Operators Guide	999-700-058	2	ABM — User Guide for Energy Management
■ 999-610-137	1	MERLIN LEGEND Release Notes 1.1 \m MLX Queued Call Operators Guide	999-700-061IS	2	System 85 Speakerphone — User Instruction
■ 999-610-152SP	1	MERLIN LEGEND French Single	999-700-062IS	2	System 85 Digital Display Module — User Instruction
999-610-640IS	1	X25 Asynchronous Terminal — User Guide	999-700-068IS	1	Data Call Set-Up — User Instruction
999-610-650IS	1	X25 Bisynchronous 3270 Terminal — User Guide	999-700-078IS	2	System 85 Multibutton Electronic Telephone Set — User Instruction
999-610-670IS	1	X25 SNA 3270 Terminal — User Guide	999-700-079IS	2	System 85 Multibutton Electronic Telephone Set with Speakerphone — User Instruction
999-610-680IS	1	X25 2780/3270 Terminal — User Guide 8/87 X25 SNA 3270 Terminal — User Handbook	999-700-080IS	1	457/458 ASF 1 Bin 2 Bin
999-612-640IS	1	X25 Asynchronous Terminal — User QRC	999-700-081IS	1	555 — User Guide Tractor Feed
999-612-650IS	1	X25 Bisynchronous 3270 Terminal — User QRC	999-700-300IS	1	Modular Processor Data Module — User Guide
999-612-680IS	1	X25 2780/3780 RJE — Quick Reference Guide	999-700-301IS	1	Modular Trunk Data Module — User Guide
999-621-620IS	1	X25 125 Amp Power Supply	999-700-304IS	2	Printer 455 — User Guide
999-622-620IS	2	X25 Cable Selection for I/O Ports	999-700-328IS	1	457/458 Printer — User Guide
			Addendum	1	
			999-700-329IS	1	457/458 Printer Guide — Printer Accessories

Number	Issue	Subject
999-700-400IS	1	System 85 — Introduction
999-700-442IS	3	System 85 — SMT Administration Management — User Guide
999-700-459IS	1	AP Office Management Applications Reference Manual
999-700-463IS	1	Automated Building Management — Installation Planning — Reference Manual
999-700-464IS	2	System 85 7103A Program Voice Terminal — User Instruction
999-700-473IS	3	System 85 Release 2 Version 1 and 2 — Documentation Guide
999-700-474IS	1	System 85 7404D Voice Terminal — User Instruction
999-700-482IS	1	System 85 515BCT — Technical Description
999-700-483IS	2	515BCT — User Guide
999-700-485IS	1	513 Business Communications Terminal
Addendum	1	
999-700-486IS	1	513 Business Communications Terminal — User Guide
999-700-493IS	1	513 Business Communications Terminal — Technical Reference Manual
999-700-496IS	1	Voice Management Console Terminal Operation with AUTOVON
999-700-503IS	2	Audio Information Exchange (AUDIX®)
999-700-530IS	2	Getting Started with the 500 Business Communications Terminal
999-700-532IS	3	Office Manager — Users Guide
999-700-533IS	2	Electronic Document Communications Text Editors — User Guide
999-700-535IS	2	Electronic Document Communications — Administration Guide
999-700-540IS	1	Call Detail Record/Report — Administration Guide
999-700-541IS	1	Terminal Change Management — Administrators Guide
999-700-543IS	3	Applications Processor — Administrators Guide
999-700-555IS	1	3270 Terminal Emulation 500 BCT Keyboard Template
999-700-560IS	1	OVERVIEW™ Electronic Document Communications
999-700-620IS	1	Command Line Electronic Document Communications — Quick Reference Card

Number	Issue	Subject
999-700-631IS	1	System 85 Port Tester — User Card
999-750-520IS	1	3BNET Overview
<b>999-8 Software</b>		
999-801-020IS	8/87	3B2300 Administration Guide Issue 2 TPC6300 ETHERLINK* — Installation Guide
999-801-021IS	2	NC Interface PC6300 — User Guide
999-801-089	1	MS DOS 3.30 — Program Guide
999-801-202IS	1	513 Terminal Emulator User's Guide
999-801-208IS	8/87	PC6300 Compatibility Guide
999-802-003IS	8/87	Level II COBOL Language — Reference Manual
999-802-004IS	8/87	Level II COBOL — Operating Guide
999-802-010IS	8/87	AT&T Command Basic Language — Reference Manual
999-802-011IS	8/87	AT&T Command Basic — User Guide
999-802-012IS	8/87	AT&T Command COBOL Language — Reference Manual
999-802-013IS	8/87	AT&T Command COBOL — Users Guide
999-802-014IS	8/87	AT&T Command FORTRAN Language — Reference Manual
999-802-015IS	8/87	AT&T Command FORTRAN — User Guide
999-802-016IS	8/87	AT&T Command Pascal Language — Reference Manual
999-802-017IS	8/87	AT&T Command Pascal — User Guide
999-802-018IS	8/87	AT&T Command Debugger — User Guide
999-802-021IS	8/87	RM/COBOL Compiler — User Guide
999-801-034IS	8/87	MF Level II COBOL/ET Animator — Operating Guide
999-801-037IS	8/87	MF Level II COBOL/ET Forms-2 Utility Manual
999-801-038IS	1	MF Level II COBOL/ET — High Performance Operating Guide

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Number	Issue	Subject	Number	Issue	Subject
999-802-100IS	1	UNIBOL Language — Reference Manual	999-806-102IS	8/87	CMCS — Traffic Manual
999-801-102IS	8/87	UNIBOL Run-Time Manual	999-806-103IS	8/87	CMCS — Inventory Manual
999-801-103IS	8/87	UX Basic and — User Reference Manual	999-806-104IS	8/87	CMCS — Accounts Receivable Manual
999-803-000IS	8/87	Dbase II — User Guide	999-806-105IS	8/87	CMCS — System Administrators Manual
999-803-001IS	8/87	Dbase II — Reference Manual	999-806-107IS	8/87	CMCS — System/Installation Guide
999-803-002IS	8/87	INGRES — System Overview	999-806-108IS	8/87	CMCS — Quick Reference Guide
999-803-006IS	8/87	AT&T INGRES Visual Forms Editor — Users Guide	999-806-109IS	8/87	CMCS — Worksheets
999-803-058IS	8/87	Dbase III — User Guide	999-807-000IS	8/87	Gift Registry — User Guide
999-803-059IS	8/87	Dbase III — Reference Manual	Addendum	8/87	
999-803-211IS	1	Personal Terminal 505 — User Guide	999-807-001IS	8/87	AT&T Gift Registry — Administrators Guide
999-804-006IS	1	UltraCalc* — User Guide	999-807-115IS	8/87	Legal Solution Accounting — Getting Started
999-804-060IS	8/87	Prevail — User Interface	999-807-116IS	8/87	Legal Solution Accounting — User Guide
999-804-063IS	8/87	Prevail Module 2	999-807-117IS	8/87	Legal Solution Accounting System — Administration
999-804-064IS	8/87	Prevail Module 3	999-807-120IS	8/87	DR. Solution BAS System — User Guide
999-804-300IS	8/87	SuperCalc† 3 — User Guide and Reference Manual	999-807-124IS	8/87	Dental Solution System — User Guide
999-804-302IS	8/87	SuperCalc 3 — Supplemental Issue	999-807-134IS	8/87	DR. Solution — Utility Guide
999-805-000IS	8/87	Microsoft Word Manual WRITER'S WORKBENCH‡ — User Guide	999-807-151IS	8/87	Glows-Practice Management Manual
999-806-006IS	1	BACS EXEC Overview	999-807-152IS	8/87	Glows-Client Accounting Manual
999-806-007IS	1	BAS O/I Primer Release 2	999-807-153IS	8/87	Glow Audit Manual
999-806-008IS	1	BAS Payroll Primer Release 2	999-807-154IS	8/87	Glows Write-Up Manual
999-806-009IS	1	BAS A/P Primer Release 2	999-807-155IS	8/87	Glows Fixed Assets Manual
999-806-010IS	1	BAS A/R Primer Release 2	999-807-156IS	8/87	Glows After-The-Fact Payroll Manual
999-806-011IS	1	BAS G/L Primer Release 2	999-807-157IS	8/87	Glows 1099 Manual
999-806-024IS	2	BAS — Installation Guide Release 2	999-809-024IS	8/87	3278 Terminal — User Guide
999-806-025IS	2	BAS O/I Manual Release 2	999-809-026IS	1	SSI for 3B5 — Administrator Guide
999-806-026IS	2	BAS Payroll Manual Release 2	999-809-028IS	1	SSI Applications Prog INTFC Prog — Reference Manual
999-806-028IS	2	BAS Accounts Receivable Release 2	999-809-030IS	8/87	Tango — Administrators Guide
999-806-029IS	2	BAS G/L Manual Release 2	999-809-035IS	1	SSI for 3B2 — Administrators Guide
999-806-100IS	8/87	CMCS — Toll Manual	999-809-053IS	8/87	AT&T Document Exchange Release Notes for Release 1
999-806-101IS	8/87	CMCS — Billing Manual	999-809-104IS	1	STARLAN 3B2 NAU — Installation Guide
			999-809-105IS	8/87	STARLAN RS-232C NAU — Installation Guide Disks)

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