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TDIS - TIRKS® Detailed Regulatory Process Interface System

User Manual

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TDIS - TIRKS® Detailed Regulatory Process Interface System

Contents

List of Figures

List of Tables

1. Introduction

1.1 Definition of TDIS

The TIRKS Detailed Regulatory Interface System (TDIS) is a separations-related mechanized system that provides usage information for use in the jurisdictional separations of both Cable and Wire (C&W) and circuit equipment investment.

Information related to facilities, circuits, and equipment is extracted from the TIRKS system and processed in TDIS to generate mileage counts for use in separating the C&W investment, and termination counts for use in separating the circuit equipment investment.

TDIS also provides several procedures that allow you to verify the accuracy of the separations-related data in the TIRKS system. You can use this information to make corrections to TDIS and/or TIRKS data, or provide this information to TIRKS personnel for their use in investigating and correcting the discrepancies.

In addition to its primary role of generating mileage and termination counts, we have developed auxiliary processes within the TDIS framework to perform both the C&W and Circuit Equipment basic studies. These basic studies are maintained in separate modules. Each has its own user manual.

Because of the continuing changes to the TIRKS system and changes in the separations process mandated by the Federal Communications Commission (FCC), TDIS is an evolutionary process. As such, the individual processes in TDIS will continue to change. However, the primary purpose of the system - to provide mileage and termination counts for jurisdictional separations - will remain the same.

1.2 Purpose of This Document

The purpose of this user manual is to provide you with detailed information regarding

1. System processing procedures
2. Standard reports required in the monthly separations process
3. Customized reports for data analysis and special requests
4. Reports/files for the C&W and Circuit Equipment Study (CES) interfaces
5. Integrity reports for verification/purification of TIRKS system data
6. Various audit reports necessary to ensure completeness of extracted data.
7. Specialized reports to comply with FCC data requests
8. The STRAPS Network Interface File.

1.3 Layout of This Document

Each section uses the TDIS procedure number in its numbering scheme. For example, for the YDTS750 process, the section number is 750. Within each section are the following subsections:

1. General Description
2. Program Flow Diagram
3. Inputs (Files, Control Cards)
4. Outputs (Reports, Files)
5. Abnormal Termination Conditions.

To help users understand and evaluate the output reports, Appendix I contains a detailed glossary of TDIS/TIRKS fields. Each section of the manual also contains a brief description of the fields associated with that section.

1.4 Numbering Schemes for TDIS Runs and Programs

The numbering scheme of the TDIS runs and programs begins with YDTS followed by four numbers for runs and three numbers for programs, as listed below.

YDTSXXX	For runs and programs
‘‘Y’’	Applicable to systems that were developed centrally at AT&T prior to divestiture and are retained in the current environment
‘‘D’’	Detailed Regulatory Process
‘‘TS’’	TDIS

1.5 Generalized Functions with System Diagrams

1.5.1 Generalized Functions

The major generalized TDIS functions are listed below, followed by a System Flow diagram (Figure 1-1), the TDIS Flow Glossary (Tables 1-1 and 1-2), TDIS Procedure Descriptions (Tables 1-3 and 1-4), and TDIS Discretionary Report/File Processing (Table 1-5).*

1. **Initialize Monthly TDIS Processes - YDTS100** (see Table 1-3)

* These figures and tables are also on the separate foldout TDIS System Flow card that was included with this document.

2. **TDIS Table Maintenance Procedures - YDTS170** (see Table 1-3)

   NOTE — The tables not addressed in the above-listed programs are updated through the TDIS-Online Table Update System (TDIS-TBL). For information about using TDIS-TBL, see the *TDIS-TBL User Guide* (BR 759-200-003).

3. **TDIS Data Extraction Procedures** (see Figure 1-1, and Table 1-4)

   The following TDIS procedures extract detailed regulatory data requirements from TIRKS:

   - YDTS200
   - YDTS205
   - YDTS215
   - YDTS220
   - YDTS240.

   The data source is the TIRKS Reports System (TRS).

4. **TDIS Core Processing Procedures** (see Figure 1-1, and Table 1-4)

   The YDTS290, YDTS300 and YDTSU04 procedures organize and verify TIRKS and GENERIC INTERFACE data that will be used in downstream TDIS processing.

5. **Merged Data File Procedures** (see Figure 1-1, and Table 1-4)

   YDTS500 and YDTS510 create merged data files for use in the detailed regulatory basic study modules and discretionary TDIS report procedures.

6. **TDIS Outside Plant Procedures** (see Figure 1-1)

   YDTS400, 410, 420, and 440 reproduce TIRKS/TDIS/DOPAC data for use by the Cable & Wire Basic Study personnel.

7. **Generate Reports and Optional Data Files** (see Table 1-5)

   Any of these procedures may be processed after executing the monthly extract, core, and merged TDIS procedures.

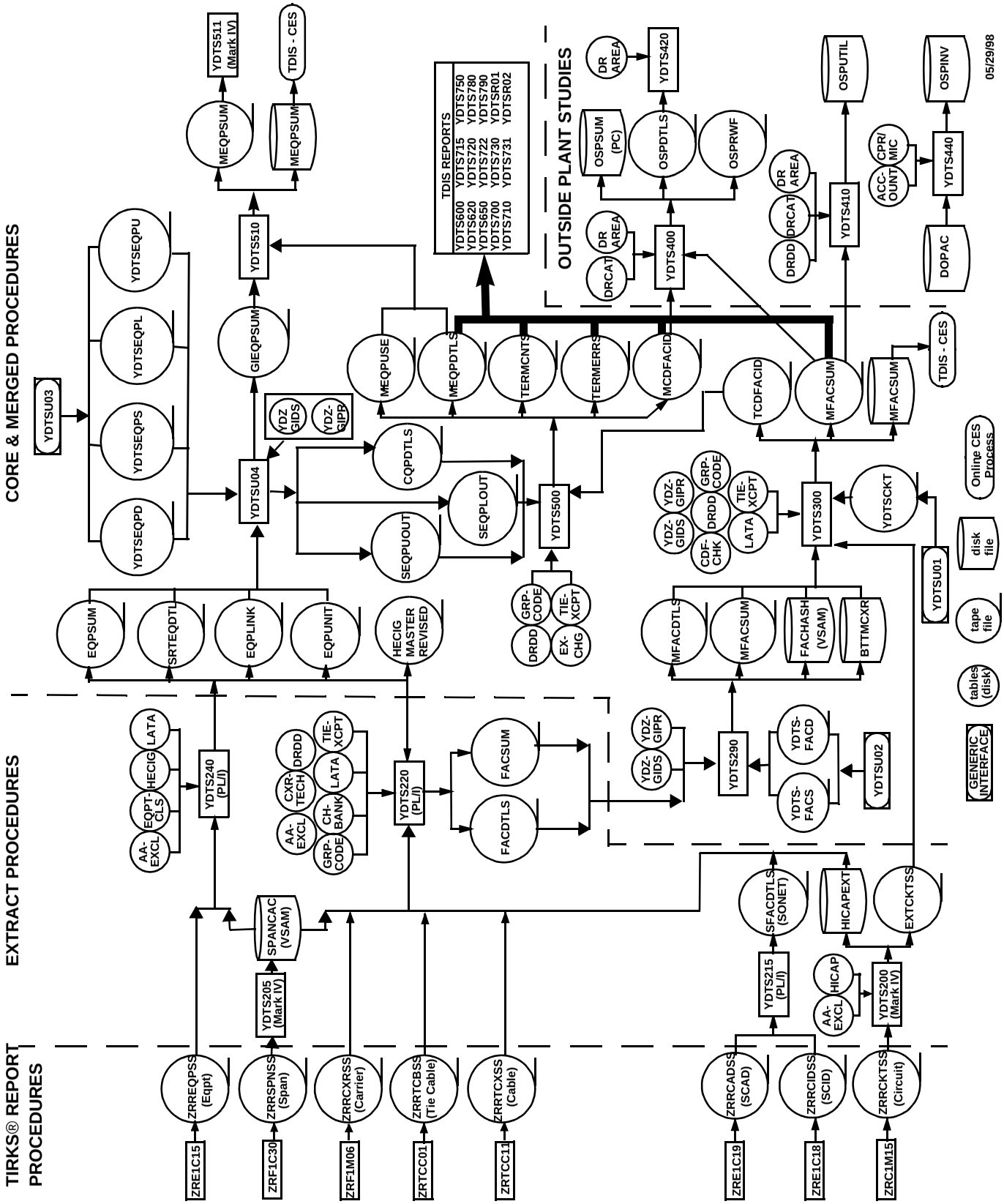


Figure 1-1. TDIS System Flow

Table 1-1. TDIS Flow Glossary - Data Files (Sheet 1 of 3)

File Name	From Process	To Process	Description
BTTMCXR	YDTS290	YDTS300	List of Bottom Carriers
CQPDTLS	YDTSU04	YDTS500	Combined EQP Details File
DOPAC	BCC	YDTS440	Dedicated Outside Plant Assignment Card
EQPSUM	YDTS240	YDTSU04	Equipment Summary
EQPLINK	YDTS240	YDTSU04	Equipment Link Data
EQPUNIT	YDTS240	YDTSU04	Equipment Unit Data
EXTCKTSS	YDTS200	YDTS300	Extracted Circuit Details Data
FACDTLS	YDTS220	YDTS290	Facility Details Data
FACHASH	YDTS290	YDTS300	Facility/Hash Data
FACSUM	YDTS220	YDTS290	Facility Summary Data
GICKTS	COMPANY	YDTSU01	(GI) Generic Interface Circuit File
GIEQPD	COMPANY	YDTSU01 YDTSU03	(GI) Generic Interface EQP Details File
GIEQPL	COMPANY	YDTSU01 YDTSU03	(GI) Generic Interface EQP Link File
GIEQPS	COMPANY	YDTSU01 YDTSU03	(GI) Generic Interface EQP Summary File
GIEQPSUM	YDTSU04	YDTS510	Combined EQP Summary File
GIEQPU	COMPANY	YDTSU01 YDTSU03	(GI) Generic Interface EQP Unit File
GIFACD	COMPANY	YDTSU01 YDTSU02	(GI) Generic Interface Facility Details File
GIFACS	COMPANY	YDTSU01 YDTSU02	(GI) Generic Interface Facility Summary File
HECIGUP	YDTS240	YDTS220	HECIG MASTER REVISED FILE
HICAPEXT	YDTS200	YDTS220	HICAP Circuit IDs Extracted
MCDFACID	YDTS500	YDTS400 Reports	Merged Circuit Details Facility Data
MEQPDTLS	YDTS500	YDTS510	Merged Equipment Details Data
MEQPUSE	YDTS500	YDTS510	Merged Equipment Usage Data
MEQPSUM	YDTS510	YDTS511 TDIS-CES	Merged Equipment Summary Data
MFACDTLS	YDTS290	YDTS300	Merged Facility Details Data

Table 1-1. TDIS Flow Glossary - Data Files (Sheet 2 of 3)

File Name	From Process	To Process	Description
MFACSUM	YDTS290 YDTS300	YDTS300 YDTS400 YDTS410 Reports TDIS-CES	Merged Facility Summary Data
OSPDTLS	YDTS400	YDTS420	Outside Plant Details Data
OSPINV	YDTS440	BCC TDIS-OSP	Outside Plant Investment Data
OSPSUM	YDTS440	BCC TDIS-OSP	Outside Plant Summary Data
OSPRWF	YDTS400	BCC	Outside Plant Reports Work Data
OSPUTIL	YDTS410	BCC TDIS-OSP	Outside Plant Utilization Summary Data
SEQPLOUT	YDTSU04	YDTS500	Combined EQP Link File
SEQPUOUT	YDTSU04	YDTS500	Combined EQP Unit File
SFACDTLS	YDTS215	YDTS220	SONET DRP Facility Details
SRTEQDTL	YDTS240	YDTSU04	Equipment Details Data
TCDFACID	YTDS300	YDTS500	Temporary Merged Circuit Details Facility Data
TERMCNT	YDTS500	YDTSR01 YDTSR02	Circuit Equipment Termination Information Data
TERMERRS	YDTS500	YDTSR01	Circuit Equipment Termination Error Report Data
U02FACD	YDTSU01	YDTSU02	(GI) CKT Validated Facility Details File
U03EQPD	YDTSU01	YDTSU03	(GI) CKT Validated EQP Details File
YDTSCKTS	YDTSU01	YDTS300	(GI) Validated Circuit File
YDTSDLCS	YDTSU01	YDTSU02	(GI) Carrier and DLC Circuit File
YDTSFACS	YDTSU02	YDTS290	(GI) Final Validated Facility Summary File
YDTSFACD	YDTSU02	YDTS290	(GI) Final Validated Facility Details File
YDTSEQPL	YDTSU03	YDTSU04	(GI) Final Validated EQP Link File
YDTSEQPU	YDTSU03	YDTSU04	(GI) Final Validated EQP Unit File
YDTSEQPD	YDTSU03	YDTSU04	(GI) Final Validated EQP Details File
YDTSEQPS	YDTSU03	YDTSU04	(GI) Final Validated EQP Summary FIle
ZRRCKTSS	TIRKS	YDTS200	TIRKS Circuit Inventory Data
ZRRCXRSS	TIRKS	YDTS220	TIRKS Carrier Details Data

Table 1-1. TDIS Flow Glossary - Data Files (Sheet 3 of 3)

File Name	From Process	To Process	Description
ZRREQPSS	TIRKS	YDTS240	TIRKS Equipment Details Data
ZRRSPNSS	TIRKS	YDTS205	TIRKS Span Line Details Data
ZRRTCBSS	TIRKS	YDTS220	TIRKS Tie Cable Details Data
ZRRTCXSS	TIRKS	YDTS220	TIRKS Cable Details Data
ZRRCADSS	TIRKS	YDTS215	TIRKS SONET Circuit Activity Data
ZRRCIDSS	TIRKS	YDTS215	TIRKS SONET Carrier Identification Data

Table 1-2. TDIS Flow Glossary - Data Tables (Sheet 1 of 2)

Table Name	From Process	To Process	Description
ACCOUNT	TDIS-TBL	YDTS440	Account Translations
AAEXCL	TDIS-TBL	YDTS200 YDTS220 YDTS240	Administration Area Exclusion
CDFCHK	Bellcore	YDTS300	CPU ID To Admin Area Translation
CHBANK	TDIS-TBL	YDTS220	Channel Bank to ECN Translation
CPR/MIC	TDIS-TBL	YDTS440	Continuing Property Rec/Material Item Code to Technology/Use Translation
CXRTECH	TDIS-TBL	YDTS220	Carrier Technology to ECN Translation
DRAREA	TDIS-TBL	YDTS400 YDTS410 YDTS420	State to DR Study Area
DRCAT	TDIS-TBL	YDTS400 YDTS410 YDTS730	DR Class Code to Category Translation
DRDD	TDIS-TBL	YDTS220 YDTS300 YDTS410 YDTS500 YDTS600 YDTS720 YDTS730 YDTS731	DR Circuit Type/DR Group Code/DR Class Code Translation
EQPTCLS	TDIS-TBL	YDTS240	ECN to Equipment Classification Translation
EXCHG	TDIS-TBL	YDTS500	Exchange Code Alias
GRPCODE	TDIS-TBL	YDTS220 YDTS300 YDTS500	DR Group Code to Facility Category Translation
HECIG	TDIS-TBL	YDTS240	HECIG Code to ECN Translation
HECIG MASTER REVISED	YDTS240	YDTS220	HECIG Code to ECN Translation REVISED in YDTS240 for YDTS220
HICAP	TDIS-TBL	YDTS200	HICAP DR Circuit Type Codes
HISVC	TDIS-TBL	YDTS731	HICAP Special Service Codes
JURCAT	TDIS-TBL	YDTS710 YDTS715	DR Circuit Type to Jurisdictional Category Translation

Table 1-2. TDIS Flow Glossary - Data Tables (Sheet 2 of 2)

Table Name	From Process	To Process	Description
LATA	TDIS-TBL	YDTS220 YDTS240 YDTS300	Building Code to LATA Information Translation
RPTCNTL	TDIS-TBL	YDTS600 YDTS722 YDTSR01 YDTSR02	Standard Report Specifications
SPANCAC (VSAM)	YDTS2050	YDTS220 YDTS240	Span Line Assignment Table
TIEXCPT	TDIS-TBL	YDTS220 YDTS300 YDTS500	Tie Exception
YDZGIDS	TDIS-TBL	YDTSU01 YDTSU02 YDTSU03 YDTS290 YDTS300 YDTSU04	Data Source Table
YDZGIFP	TDIS-TBL	YDTSU01 YDTSU02 YDTSU03	Files To Be Processed Table
YDZGIPR	TDIS-TBL	YDTS290 YDTS300 YDTSU04	Priority Table

Table 1-3. TDIS Maintenance Procedures

Procedure Number	Description
	Administrative
YDTS050	Archive TDIS Operating Environment
YDTS060	Restore TDIS Operating Environment
	Table Maintenance
YDTS100	Initialization of new DRDD Table for Monthly Processing
YDTS170	Print Table Generations Selected for Batch Process
TDIS-TBL	Update/Inquiry of: Account Translations (ACCOUNT) Administration Area Exclusion (AAEXCL) Channel Bank to ECN Translation (CHBANK) Material Item Code to Technology Translation (CPRMIC) Carrier Technology to ECN Translation (CXRTECH) State to DR Study Area Code (DRAREA) DR Class Code to Category Table (DRCAT) DR Group Code to Facility Category Translation (DRDD) ECN to Equipment Classification Translation (EQPTCLS) Exchange Code Alias Translation (EXCHG) DR Group Code to Facility Category Translation (GRPCODE) HECIG Code to ECN Table (HECIG) HICAP DR Circuit Type Codes (HICAP) HICAP Special Services Codes (HISVC) DR Circuit Type to Jurisdictional Category Translation (JURCAT) Building Code to LATA Information Translation (LATA) Tie Exception Table (TIEXCPT) Report Control Table (RPTCNTL) --- DATA SOURCE TABLE (YDZGIDS) FILES TO BE PROCESSED TABLE (YDZGIFP) PRIORITY TABLE (YDZGIPR)

Table 1-4. TDIS Data Development Procedures

Procedure Number	Description
	Extract Processes
YDTS200	Extract TIRKS Circuit Inventory Data
YDTS205	Extract TIRKS Span Line Data
YDTS215	Extract TIRKS SONET Circuit Activity Data
YDTS220	Create DRP Facility Details and Summary Files
YDTS240	Extract TIRKS Equipment Details Data
	Core and Merged Processes
YDTS290	Merge - DRP Facility Details and Summary Data along with Generic Interface Facility Details and Facility Summary data (if provided)
YDTS300	Creates temporary DRP Circuit Details Facility Length files and TDIS Usage Counts to the DRP Facility Summary file (will include Generic Interface Circuit data if provided)
YDTSU04	Merge - DRP Equipment Summary, Details, Link, and Unit data along with Generic Interface Equipment Summary, Details, Link, and Unit data (if provided)
YDTS500	Equipment Details Placement, and DR class code Generation, create DRP Circuit Details Facility Length file
YDTS510	Accumulate DR Class Code Counts on Merged Equipment Summary Data
YDTS511	Generate Equipment Utilization Reports
	Outside Plant Studies
YDTS400	Create Outside Plant Utilization Data Files
YDTS410	Create Outside Plant Normalized Utilization Data
YDTS420	Create Outside Plant Utilization Reports
YDTS440	Create Outside Plant Investment File and Reports

Table 1-5. Discretionary Report/File Processing

Procedure Number	File Input	Parameter & Table Input	Outputs
YDTS600	MFACSUM	TDIS-TBL	Mileage Summary and Detail Reports
YDTS620	MFACSUM	TDIS-TBL	Facility Summary Inquiry Report
YDTS650	MFACSUM	TDIS-TBL	Facility Summary Data Integrity
YDTS700	MCDFACID	TDIS-TBL	Multi-point Circuit Exception Report
YDTS710	MCDFACID	TDIS-TBL	Tally Working Message and Special Counts by State JURCAT and DR Circuit Type. Optionally exclude HICAP.
YDTS715	MCDFACID	TDIS-TBL	Tally Circuit Counts and Miles by Class Code for Common, Dedicated, and Pop-to-Pop Types of Transport
YDTS720	MCDFACID	TDIS-TBL	Network Trunk File (to STRAPS)
YDTS722	MCDFACID MEQPDTLS	TDIS-TBL	Circuit Components Inquiry Report
YDTS730	MCDFACID	TDIS-TBL	Circuit (Exchange Categories) Trunk Count Report
YDTS731	MCDFACID MFACSUM	TDIS-TBL	File: Channelized HICAP HICAP Mileage Reports
YDTS750	MCDFACID MEQPDTLS	TDIS-TBL	Circuit Components Data Integrity
YDTS780	MCDFACID	TDIS-TBL	Special Service Message and Summary Reports Unidentified LATA Report
YDTSR01	TERMCNTS TERMERRS	TDIS-TBL	Circuit Equipment Termination Count Reports
YDTSR02	TERMCNTS	TDIS-TBL	Circuit Equipment Termination Count Activity Reports
YDTS790	MCDFACID	TDIS-TBL	Circuit Activity Reports Class Code Activity Reports

1.6 Archive (YDTS050) and Restore (YDTS060) Procedures

The TDIS archive procedure, YDTS050, is used to retain essential information so that it may be restored in the future with YDTS060. This section describes how to archive and restore TDIS data for the batch processes. Separate procedures exist for archive/restore of the online TDIS Circuit Equipment Study (TDIS-CES); these are discussed separately in Section 5 of the *TDIS-CES Installation & Operations Manual* (BR 759-200-002).

The archive and restore features are Job Control Language (JCL) batch procedures used to archive and restore TDIS information:

- YDTS050 - Archive all software, files, and table members
- YDTS060 - Restore all software, files, and table members.

The retention period for all archived information defaults to 7 years, but may be altered at local discretion by overriding the symbolic parameter RETPD.

1.6.1 Archiving Data

The data archive facility, procedure YDTS050, archives all TDIS software libraries, data files, and tables in a single procedure. The procedure should be run periodically (e.g., quarterly) at local discretion as a safeguard against extensive dataset loss. Local data center backup procedures may already be sufficient, making this procedure unnecessary.

Table 1-6 describes the execution parameters for the YDTS050 procedure.

Table 1-6. YDTS050 Execution Parameters

Parameter	Format*
CPU (company ID)	AA
CNTLDTE (control date)	MMDDYY (no slashes)

* A = alphabetic character

Datasets archived with this procedure can subsequently be restored using the YDTS060 procedure. For additional details, refer to the associated runbook in the TDIS RUNBOOK library.

When you archive, eight separate tapes are created:

- One each for the four system files
  (MCDFACID, MEQPDTLS, MFACSUM, and MEQPSUM)
- One for each of the two Termination Count Files (TERMCNTS and TERMERRS)

- One for the eleven software libraries
  (PGMLIB, MISCSRC, M4RLIB, M4LIB, JCLLIB, FIXDATA, DBDLIB (TIRKS and TDIS), PSBLIB (TIRKS and TDIS), and PADSRCE)
- One for the eightteen translation tables
  (ACCOUNT, AAEXCL, CHBANK, CPRMIC, CXRTECH, DRAREA, DRCAT, DRDD, EQPTCLS, EXCHG, GRPCODE, HECIG, HICAP, HISVC, JURCAT, LATA, RPTCNTL, TIEXCPT)

As a precaution, note and retain the tape volume serial (VOLSER) number of each tape generated. In the event of a disaster recovery, catalog entries may be lost for archived datasets and the tape VOLSER numbers will have to be input to the restore procedure to be able to recall archived data.

1.6.2 Restoring Archived Data

This section describes how to use YDTS060 to restore TDIS information which has previously been archived using the YDTS050 procedure.

The restore procedure by default writes to test dataset names (with ‘RESTORE’ as a node in the DSN) to minimize the probability of accidentally overlaying needed file(s). Manual copy/concatenation is then required to move these files to the active TDIS libraries. Writing table directly to the active libraries would circumvent any manual copy/ concatenation effort, but requires caution to avoid losing (overlaying) needed files.

If you wish to restore to test dataset names, no overrides are required. If you want to restore directly to the active TDIS libraries, set the symbolic parameters as follows:

TEST = DISP = ‘(OLD, KEEP, KEEP)’

This can be done either

- In the procedure, if this will be the usual mode of operation
- As overrides in the control JCL (for occasional changes).

Table 1-7 describes the execution parameters for the YDTS060 procedure.

Table 1-7. YDTS060 Execution Parameters

Parameter	Format*
CPU (company ID)	AA
CNTLDTE (control date)	MMDDYY (no slashes)

* A = alphabetic character

In the event of a disaster recovery, catalog entries may be lost for archived datasets, and the tape VOLSER numbers will have to be input to the restore procedure to be able to recall

archived data. If datasets are not cataloged, provide the tape volume serial numbers in the following symbolic parameters:

- For the MCDFACID file (VOLMCDF)
- For the MEQPDTLS file (VOLEQPT)
- For the MFACSUM file (VOLFACS)
- For the MEQPSUM file (VOLEQSM)
- For the TERMCNTS file (VOLTCNT)
- For the TERMERRS file (VOLTERR)
- For the SOFTWARE file libraries (VOLSYS1)
- For the translation tables (VOLSYS2)

Before Release 5.0, tables were archived from the latest generation of the associated generation data group (GDG). With Release 5.0 and later, they are archived instead from the MASTER flat file for each table. The MASTER contains that version of the table (not necessarily the latest generation) currently being used by the batch procedures. Local extensions of the archive and restore procedures will have to be implemented if you locally wish to archive additional table generations.

The new archive and restore procedures are significantly different from their predecessors. Tapes archived by the old archive procedure can not be restored using the new restore procedure. The previous version of the restore procedure should be renamed and maintained on file to be used to restore files which had been archived using the previous version of the archive procedure.

For more details on restoring all TDIS software libraries, data files, and tables, refer to the runbook in the TDIS RUNBOOK library.

2. Carrier Normalization

2.1 Overview

Carrier normalization is a process that takes usage from the lowest-level carrier, one that does not support subordinate systems, and reflects it upward to all carrier systems and cables used to support the subordinate systems. In a typical company, the hierarchy of carrier from the fiber to the lowest level is six to nine layers deep. Although the separations studies are fully distributed cost studies, it is still necessary to accurately reflect the cost at each of these levels. Carrier normalization does this.

2.2 Why Carrier Normalization is Necessary

Carrier normalization is necessary to keep the separations studies in sync with the evolving fiber network. In a copper environment, trunk carriers were limited to T2, which is 96 channels. This meant that from the copper to the voice channels there was a maximum of three levels. The investment that was used to support carrier was only for copper and only in one kind of circuit equipment. Because this was the case, it was considered acceptable to spread the investment that could not be directly identified by jurisdiction. This was copper and T1C (or T2) level multiplexer.

Now, having multiple investment (copper and fiber) to transport information, and different types of circuit equipment emerging, it becomes necessary to address the investment for these different technologies in a better way. Because a spread is a composite representation and does not identify the exact use by technology difference, the normalization process was created. Normalization will correctly identify subordinate carrier usage for each carrier pair or strand in a cable cross-section. It will also correctly identify subordinate carrier usage for circuit equipment, no matter where in the hierarchy the equipment is located.

2.3 Impact of Normalization on the Circuit Equipment Study

Before normalization, all circuit equipment that was used to multiplex to a level higher than DS-1 had to be spread based on the DS-0 usage. However, this process does not produce an acceptable answer because the fiber-related circuit equipment was spread according to the way the lower-level T1 was used. Therefore, the usage at the high level included the lower-level usage for T1 on fiber and T1 on copper, producing a distorted answer.

With normalization, the usage at each carrier system level, including fiber levels, now reflects all subordinate usage on that system.

2.4 Impact of Normalization on the Cable and Wire Study

The normalization process will have a definite impact on the C&W Study. Before normalization it was not possible to identify carrier usage on copper or fiber pairs. With normalization, carrier usage on copper or fiber pairs is correctly identified. This identification removes the need to spread copper or fiber pair investment based on carrier usage, as was previously done. Removing the spread process improves the accuracy of the result.

This process will now accurately reflect racheting into the cables, whereas racheting was not previously correct. With racheting, billing is reduced in equal twenty-fourths for every channel used for message services.

2.5 How Carrier Normalization Works

Carrier normalization accurately assigns usage from the lowest-level circuits to all levels of a circuit or cable that support these lowest-level circuits. The lowest level will be either voice frequency; subrate channels; or, DS-1 or DS-3 HICAP.

Let us use an example of a T1 operating on a T3 channel. The T1 has no subrate channels and is therefore the lowest level. The operating channels are converted to a ratio, which represents, by class code, the proportional part of the T1 that the class code uses.

This set of ratios is next carried to the T3 channel, where it is then combined with ratios associated with other channels on this T3 system. Next, a new set of ratios is computed for the T3 systems, which represents, by class code, the proportion of the T3 system that each class code uses.

The ratios developed at the T3 are next posted to the transmit and receive strands in a fiber cable. This now describes the voice frequency channel use at the T1 level for a fiber pair (by class code and ratio).

To determine where to post usage ratios for each of the lowest-level carriers, TIRKS data is used and all link relationships are processed. Reports are produced that display fully resolved linkage from the cable (fiber or copper) to the lowest-level carrier. Additional reports are produced that display unreferenced carriers; those with broken chains; and those carrier systems that are defined in TIRKS system C1 inventory only, but have no corresponding carrier header in the T1 carrier.

Figure 2-1 illustrates the above description using a T1 that rides a T1C carrier.

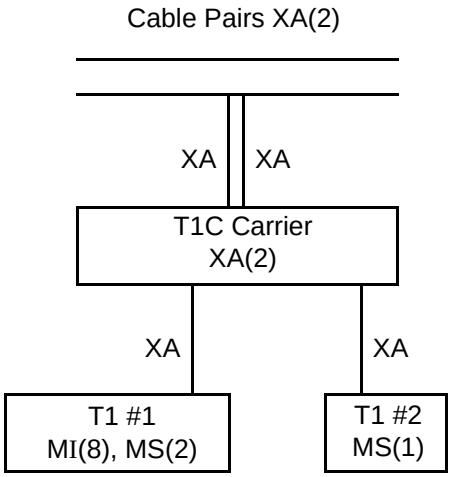


Figure 2-1. Cable Pair Values before Normalization

First, the usage for each T1 carrier must be normalized to a value of 1.0. This requires creating class code ratios for each system by dividing unique class code usage by the sum of the usage for the system

For T1 #1 the normalized usage would be:
MI = 8 / 10 = 0.8
MS = 2 / 10 = 0.2

For T1 #2 the normalized usage would be:
MS = 1 / 1 = 1.0

These normalized usage counts are now used to replace each of the XA class codes on the T1C carrier system channels, respectively. The new usage for the T1C system would be:
MI = 0.8
MS = 1.2

The usage for the T1C carrier system must now be normalized to:
MI = 0.8 / 2.0 = 0.4
MS = 1.2 / 2.0 = 0.6

The usage in the example would now appear as in Figure 2-2.

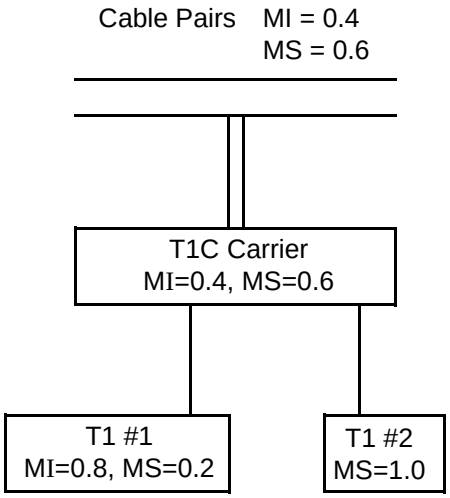


Figure 2-2. Cable Pair Values after Normalization

The same logic is applied to the cable pairs provisioning the T1C carrier. This would result in the normalized usage of MI = 0.4 and MS = 0.6 being posted to these cable pairs.

The development of normalized class codes is an unconditional process. However, based on BCC discretion, the basic studies may be run using existing data or normalized data.

2.6 HICAP

As with regular data treatment, HICAP DR group codes and/or DR Circuit Types may be entered by the user if HICAP 4-character class codes are desired for Special Access HICAP and/or Message HICAP. These DR Group Codes and DR Circuit Types are used to identify Special Access and Message HICAP facilities, allowing channel bank investment to be treated correctly for racheting.

2.7 Processing Normalized Data

2.7.1 Circuit Equipment Study

The user must specify to the usage load program that normalized or non-normalized data is required. If normalized data is selected, new (normalized) records will be processed. If standard data is selected, original (non-normalized) records will be processed.

When processing new records, the normalized (fractional) count value will be multiplied by the total count value to allow the normalized data to be merged with supplemental usage. For example, if class code AB represents 0.5 of the total usage of 20, class code AB will have a usage count of 10 associated with it.

NOTE: When processing original records, it will be necessary to continue spare filling HICAP.

2.7.2 Outside Plant

To use normalized data for the C&W study, a new job - YDTS410 - must be requested. Otherwise, the YDTS400 job should be used (for non-normalized data).

3. Equipment Normalizaton

3.1 Overview

Equipment normalization comprises two processes:

- Extends the existing 500 procedure: specifically, the generation of DR Class Codes (which has been extended to include normalized Class Codes) based on the surrounding facilities
- Allows the usage from assignable equipment in the equipment hierarchy to be reflected onto the unassignable equipment. (Assignable describes equipment that can be directly associated with a circuit; unassignable equipment cannot.) Nonassignable equipment subdivisions are identified by an ‘‘X’’ in the TIRKS E1 database assignment status field (ASGN STATUS). The TIRKS screens that reference this field are EQPA and EQPH.

3.2 Why Equipment Normalization is Necessary

Prior to equipment normalization, investment for unassignable equipment was apportioned based on the categories of the associated assignable equipment. Equipment normalization allows for more accurate categorization of investment: the investment will be properly apportioned for the unassignable equipment to the correct jurisdiction. In addition, equipment normalization will mean that we no longer need any input from the facility data stream for TDIS-CES.

An example of an unassignable piece of equipment is the controller portion of an Add-Drop Multiplexer (ADM).

3.3 Impact of Normalization on the Circuit Equipment Study

The dollars that result from the cost of unassignable equipment will be more equitably distributed into the jurisdictionalized categories.

3.4 How Equipment Normalization Works

The normalized usage posted on the facilities in the MCDFACID file will be placed on the equipment subdivisions in the YDTS500 procedure. All assignable equipment subdivisions will therefore bear the fractionalized usage of the associated circuits. In order to float this usage up the equipment hierarchy, we will establish what nonassignable equipment subdivisions are associated with assignable equipment subdivisions. Two files

are used in equipment normalization: the Equipment Unit file (EQPUNIT) and the Equipment Linkage file (EQPLINK).

Equipment Unit File (EQPUNIT)

This file contains the unassignable equipment units and the assignable equipment units that have been identified as directly linked to the unassignable ones.

Equipment Linkage File (EQPLINK)

This file contains the associativity in the equipment hierarchy. This information is derived from the TIRKS E1 database during the TDIS Extract process.

The usage ratios present on the equipment subdivisions are accumulated to a unit level. The EQPLINK file then determines which assignable equipment units are associated with unassignable equipment units. This relationship allows usage to be assigned to the formerly unassignable units.

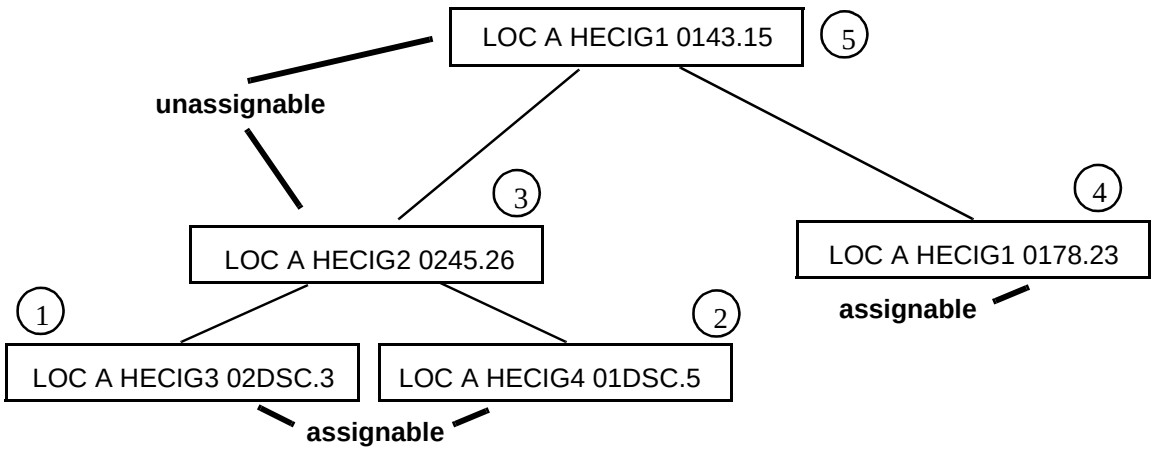


Figure 3-1. Equipment

Table 3-1. Assignable Equipment Units

1	LOC A HECIG3 02DSC.3	MI 0.5 MS 0.5
2	LOC A HECIG4 01DSC.5	JA 0.4 MS 0.3 MI 0.3
4	LOC A HECIG1 0178.23	JA 0.5 MS 0.5

Equipment Links

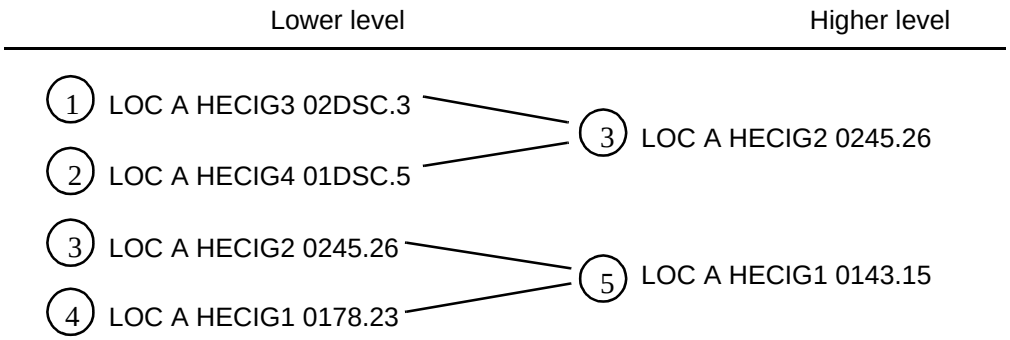


Figure 3-2. Equipment Links

The normalized usage counts for 1 and 2 are summed and ratioed and posted to 3 as indicated by the link file.

$$\frac{(1)\ \text{MI } 0.5\ \text{MS } 0.5 + (2)\ \text{JA } 0.4\ \text{MS } 0.3\ \text{MI } 0.3}{2} = (3)\ \text{MS } 0.4\ \text{MI } 0.4\ \text{JA } 0.2$$

The normalized usage counts for 3 and 4 are summed and ratioed and posted to 5 as indicated by the link file.

$$\frac{(3)\ \text{MS } 0.4\ \text{MI } 0.4\ \text{JA } 0.2 + (4)\ \text{JA } 0.5\ \text{MS } 0.5}{2} = (5)\ \text{MS } 0.45\ \text{MI } 0.2\ \text{JA } 0.35$$

3.5 Processing Normalized Data

The development of normalized class codes for unassignable equipment is an unconditional process. However, at a BCC's discretion, the TDIS-CES Basic Study may be run using normalized or non-normalized data.

4. SONET

This section gives a brief explanation of Synchronous Optical Network (SONET), and how it will affect TDIS.

4.1 General Description of SONET

The SONET standard defines a new family of optical transmission signals, a progressive hierarchy of synchronous interleaved tributary signals. The goals of this standard are to provide interworking terminals, vendor independence, and cost effectiveness in deploying broadband networks. The deployment of SONET devices will allow the evolution of a new 'Ring Architecture' comprised of both inter-office facilities and Distribution SONET carrier systems.

SONET standards have evolved for many devices. Of all these devices, it is the add/drop multiplex carrier equipment that most concerns us. This is because ADM equipment is administered in a network-like fashion, rather than in a point-to-point fashion the way carrier equipment is administered today. This document includes an overview of add/drop multiplex (ADM) equipment and lists the features that concern the TDIS user community.

4.2 Technical Overview of SONET

4.2.1 SONET Carrier System

A SONET Carrier System, or S-CXR, is formed when several pieces of SONET ADM equipment are connected by fiber. The fiber links between the ADMs function as transport routes for the lower-rate carrier. The ADMs function like terminals, where the lower-rate carriers (passengers) can embark and disembark.

4.2.2 Add/Drop multiplexer

An add/drop multiplexer can be thought of as a three-sided piece of equipment. (See Figure 4-1) There are two high-speed sides and a low-speed, or drop, side. OCn level carriers come into and out of the ADM on the high-speed ports; slower speed carriers that are dropped or inserted are put in on the low-speed side. (The high-speed sides are also referred

to as the East and West sides of the ADM.) An ADM can provision Optical Carriers (OCs) with a variety of levels of bandwidth capability.

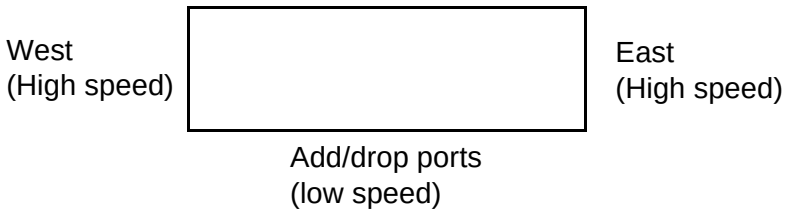


Figure 4-1. Add/Drop Multiplexer (ADM)

When two or more SONET ADMs are linked together via their high-speed optical interface, they form a network-like facility. In Figure 4-2, OC1 (Optical Carrier Level 1) terminal mode ADMs are installed at Location M and Location W. Subsequently, two intermediate ADMs are installed in Locations P and A. The carrier loses its point-to-point identity and becomes a single SONET Carrier system between locations M and W with add/drop capabilities at locations P and A.

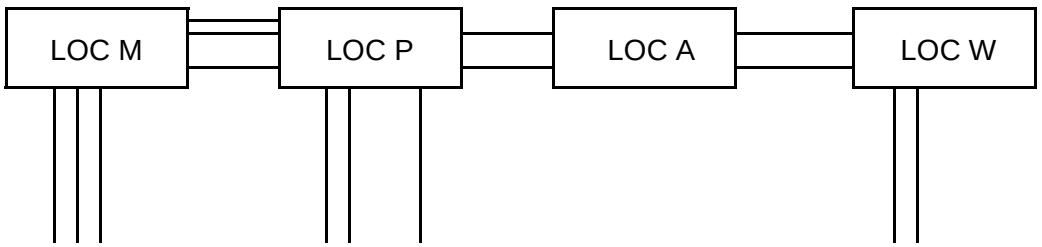


Figure 4-2. Linked ADMs

ADMs may be run in either a terminal mode or intermediate mode. When run in the terminal mode, high-speed signals are broken down to smaller bandwidths and made available as STS or VT groups, providing the ability to provision standard T-Carrier at that location. When operated in the intermediate mode, an optical signal can also come in one high-speed side and out the other high-speed side after regeneration, without multiplexing.

One of the significant features of the I-ADM is that all high-speed facilities are assumed to be connected unless they are pulled from the transmission path or dropped. This assumption means that there is no time-slot interchange capability between the two high-speed facilities. This is unlike a Digital Cross-Connect System (DCS), where the user can cross-connect any time-slot on any facility to any time slot on any other facility.

4.2.3 Optical Carriers

An OCn carrier is an optical carrier where the ‘n’ represents the bandwidth. ADMs are designed to support a range of bandwidths from an OC1 with 51.84 Mb/s to an OC192 with 9953.28 Mb/s. Table 4-1 lists the Optical Carrier Levels with the bandwidth capability.

Table 4-1. OCn Levels and Bandwidth

CLFI	OC Level	Line Rate (Mb/S)
OC1	OC-1	51.840
OC3	OC-3	155.520
OC9	OC-9	466.560
OC12	OC-12	622.080
OC18	OC-18	933.120
OC24	OC-24	1244.160
OC36	OC-36	1866.320
OC48	OC-48	2488.320
OC192	OC-192	9953.280

OCn carriers are assigned to bandwidth time slots on the ADM equipment. The time slot is the same at the east and west terminal and at the intermediate points. These time slots correspond to the unit number in the equipment. The ADM’s unit assignments are related to the OCn carriers via a field called the SCID, or SONET Carrier ID, in addition to the traditional carrier CAC code. This SCID provides the link that joins each of the OCn carriers that define the SONET carrier.

The signal being provisioned on the OC need not occupy the full bandwidth. The signals can be broken down into Synchronous Transport Signals (STSs). An STS is capable of supporting a DS3 signal, 44.736 Mb/s. The STS can be dropped intact or can be broken down further into virtual tributary (VT) groups. There are 7 VT groups to an STS. A virtual tributary group, which supports a DS2 signal - 6.312 Mb/s, can be dropped intact or the virtual tributary group can be broken down to transport DS1 or DS1-C signal. The virtual tributaries (units) within a virtual tributary group must be identical, i.e., a VT group cannot be formed from 2 VT1.5’s and a VT6. An OCn carrier can support various combinations of VT groups and STS groups. These STS or VT groups, in turn, provide a transmission media to which a standard T-Carrier may be assigned.

Table 4-2. T-Carrier to Digital Signal Rates

CLFI	Signal	Signal Rates (Mb/s)
T1	DS1	1.544
	CEPT-1	2.046
T1C	DSIC	3.152
T2	DS2	6.312
T3	DS3	44.736
T4	DS4	139.26

Table 4-3. SONET Rates for Virtual Tributaries

VT	Bit Rates (Mb/s)
VT1.5	1.728
VT2	2.305
VT3	3.456
VT6	6.912

Table 4-4. SONET Virtual Tributary Group Capacity

VT Group Name	VT Group Capacity (Mb/s)
VT1.5	4 VT 1.5s or 4 DS1s
VT2	3 VT2s or 3CEPT-1s
VT3	2 VT3s or 2DS1Cs
VT6	1 VT6 or 1DS2

Table 4-5. STS1 - Virtual Tributary Group Capacity

VT Groups	Capacity
7 VT1.5	28 DS1s
7 VT3	14 DS1Cs
7 VT6	7 DS2s
2 VT1.5 & 5 VT3	8 DS1s & 10 DS1Cs
4 VT3 & 3 VT1.5	8 DS1Cs & 12 DS1s
2 VT6 & 5 VT1.5	2 DS2s & 20 DS1s
6 VT1.5 & 1 VT6	24 DS1s & 1 DS2

Since STS & VT groups represent a transmission media for T-Carrier or DSn line rates, the TDIS system has been changed to deal with these time slot assignments as though they were a form of physical conductor path (like copper pairs or T-Carrier channels) even though these paths are found in the equipment database.

4.3 SONET Separations

4.3.1 Posting of Lower-Level Usage on the Provisioning Facility

The need exists for TDIS to identify the facilities provisioned on every OC link. Because SONET carriers are provisioned to represent a network-like facility, a method has been developed to give TDIS a point-to-point representation of the SONET carrier. Much of the necessary SONET data is logged in the E1 SCID and SCAD databases rather than in F1 databases. In addition, due to the VT packaging scheme used to provision lower-level carriers on OC carriers, changes have been made to the current carrier normalization logic.

In order to ascertain what carriers are provisioned on the SONET carrier, it is necessary to create a point-to-point picture of the SONET carrier system. To achieve this goal, Release 5.0 uses SCID and SCAD to inspect the add/drop points of each ADM in the system and record the carriers that are provisioned on each OC link. Provisioned carriers that span more than one OC link will be counted for each OC link that they traverse, thus creating a record of each carrier provisioned on a particular OC link. Using the explicit hierarchy demanded by SONET standards, namely the STS to VT group and VT group to individual VT ratios, TDIS will do bandwidth normalization on the carriers provisioned at every OC link of the SONET carrier. This will enable TDIS to use the current normalization logic to propagate the usage to the highest level of the hierarchy, properly resolving the usage provisioning problem.

4.3.2 Posting of Normalized Usage to Equipment

A method was needed to post normalized usage on all equipment; this enables TDIS to properly apportion the investment associated with SONET carriers to the correct jurisdiction and allows the equipment stream to reflect accurate usage. In addition, TDIS-CES no longer needs any input from the facility data stream. Previously, this could not be accomplished since TDIS did not handle non-assignable equipment correctly. However, changes have been made to the current carrier normalization to enable normalized usage to be posted to the facility details. Before Release 5.0, the normalized usage was only posted to the FACSUM (Facility Complements). This change enables us to post usage to the assignable equipment subdivisions, thereby facilitating equipment normalization.

4.3.3 Resolution of the Non-Assignable Equipment

The resolution of non-assignable equipment is carried out with an algorithm similar to the one currently employed in the normalization of carrier systems. The non-assignable equipment is identified by an X in the currently existing Assignment Status. A TIRKS-produced pointer, which identifies the equipment subdivision provisioned on this equipment, is extracted. This extracted pointer enables TDIS to create a linkage file, relating the lower-level equipment and its associated equipment. The normalized usage from the assignable equipment is then propagated upward using the Equipment linking file.

4.3.4 Drop and Continue and Dual Homing Features

As the design of SONET networks continue to change, TDIS has addressed those changes in Release 5.2. Two major changes are the addition of DROP & CONTINUE and DUAL HOMING.

DROP & CONTINUE is a new level of intelligence used to connect SONET networks. With the purpose of increasing the survivability of the circuits riding that network, DROP & CONTINUE provides for a primary and secondary entry and/or exit points to a SCID. TDIS is handling DROP & CONTINUE by determining these entry and exit points on a SCID and assigning usage to each OC link along the longest path.

DUAL HOMING is where a customer has asked for and is paying for an alternate route into or out of the network. A SCID with DUAL HOMING will have a primary path and a secondary path. TDIS will assign usage to each OC link in both paths.

4.3.5 Special Handling of 4B Protection and Low Priority Service

Two new features of SONET networks handled by TDIS in release 5.2 are: 4B protection on SONET rings and LPS assigned to 4B rings. TDIS handling of these features is explained below.

When a SCID with 4B protection is designed, TIRKS creates an internal SCID code called the PROTECTION SCID. This PROTECTION SCID covers the same links as the SERVICE SCID but rides on different carrier systems. When TDIS finds an assignment to a SCID with 4B protection that is not Low Priority Service, then TIDS assigns usage to the OC links covered by the longest path on both the PROTECTION and the SERVICE SCIDS.

Low Priority Service is a circuit that is assigned to the PROTECTION SCID. The customer buys this service/facility with the understanding that in the event of a failure and a protection switch is necessary, that the LPS will be disconnected until normal service is resumed. When LPS is assigned to a 4B SCID, TDIS will only assign usage to the protection SCID. The Usage assigned will cover all OC links for the longest path the circuit covers on the PROTECTION SCID.

5. YDTS Procedures

5.1 Page Numbering

The following sections present the YDTS procedures in numerical order. Each section's page numbering corresponds to its YDTS procedure number (e.g., YDTS110 begins on page 110-1, YDTS120 begins on page 120-1, etc.)

100. YDTS100 - TDIS Initialization of a New DRDD Table for Monthly Processing

100.1 General Descriptions

This procedure is a monthly run that reads a tape copy of the TIRKS DRDD Table. The TDIS DRDD Table is defined to the system and loaded with TIRKS data. When YDTS100 is invoked, the TIRKS DRDD table is written to a new generation of the TDIS DRDD Table file.

Appendix A contains additional background information regarding the DRDD table.

100.2 Program Flow Diagram

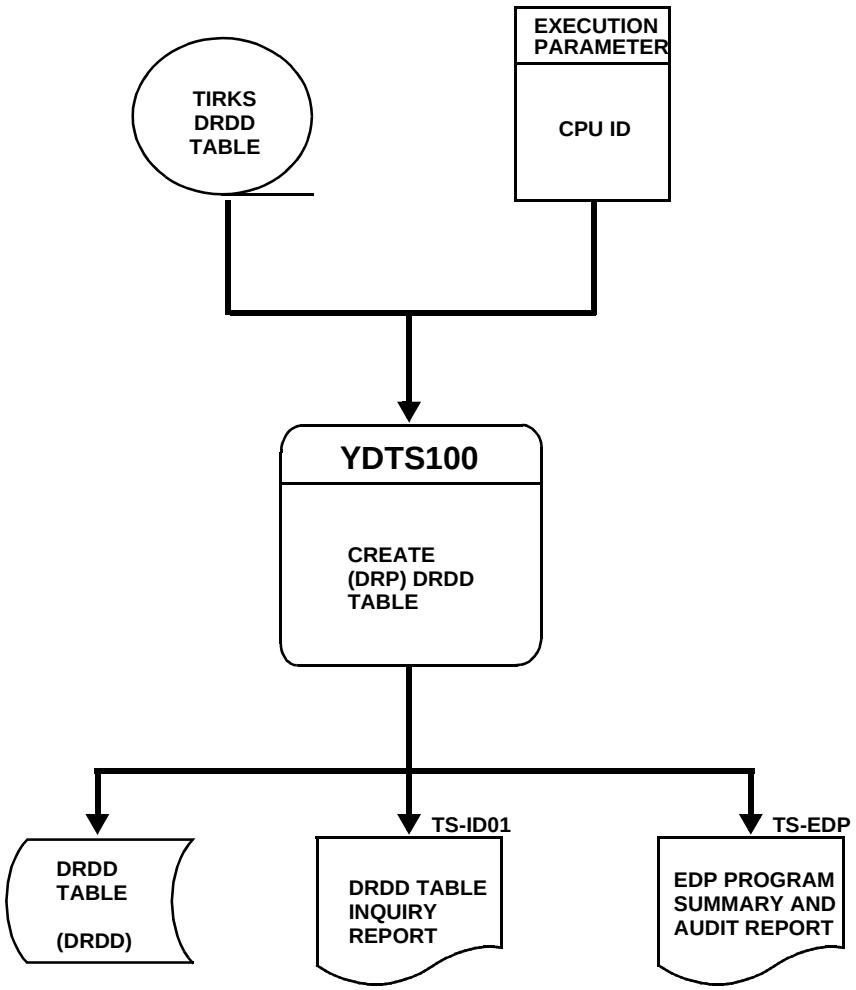


Figure 100-1. YDTS100 Program Flow Diagram

100.3 Inputs

100.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date this process is to be executed.
2. RUN SEQUENCING REQUIREMENTS - If more than one run has been submitted, it is necessary to specify the order in which they should be performed. Appendix B contains job sequencing information.
3. EXECUTION PARAMETER
   CPU ID - The value is defined by each company. Appendix A contains valid entries.
4. RECIPIENT OF OUTPUT - Name and address of person(s) to whom the processed reports are to be delivered.

There are no user options associated with this procedure.

100.4 Outputs

100.4.1 DRDD Table Inquiry Report

A DRDD Table Inquiry Report can be produced using TDIS-Online Table Update (TDIS-TBL). See *TDIS-TBL User Guide* (BR 759-200-003), Section 2.4.2, for further information about this report.

100.4.2 Audit Report: TS-EDP

The audit report summarizes the input and output activity of the YDTS110 process. Major items and checks to be made are as follows:

- **TIRKS DRDD Records Read**
- **DRP DRDD Table Records Written.**

```
                                                 * * * * D R P - T D I S * * * *
COMPANY: BELLCORE TDIS RELEASE 5.0 TEST   ( BC )                                                                  RUN FOLDER: YDTS1000
REPORT: TS-EDP                                                                                                    PROGRAM: YDTS100      R-5.0
CONTROL DATE: 08/04/92                                                                                            RUN DATE:  01/13/93  16:26:51
                                                EDP PROGRAM SUMMARY AND AUDIT REPORT                              PAGE:         1
                                                        CREATE DRP DRDD TABLE

                                       TIRKS DRDD RECORDS READ                     =   1,502

                                       DRP DRDD TABLE RECORDS WRITTEN              =  14,651


                                                * * * * * *  END OF REPORT  * * * * * *
                                                             PROPRIETARY

                                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 100-2. Audit Report for YDTS100: TS-EDP

100.5 Abnormal Termination

The following conditions can result in termination of the process:

- **Condition 2011 - Internal Table Limit Exceeded**
- **Condition 2024- Unloaded TIRKS DRDD Table Invalid.**

110. YDTS110

As of TDIS Release 5.0, the YDTS110 procedure no longer exists — the DRDD Table is now updated through the TDIS-TBL system. See the *TDIS-TBL User Guide* (BR 759-200-003) for more information on TDIS-TBL.

120. YDTS120 - Update and/or Inquiry of the Report Control Tables

As of TDIS Release 5.1, the YDTS120 procedure no longer exists — the RPTCNTL Table is now updated through the TDIS-TBL system. See the *TDIS-TBL User Guide* (BR 759-200-003) for more information on TDIS-TBL.

130. YDTS130 - Update and/or Inquiry of the DR Class Code to Category Translation Table

As of TDIS Release 5.1, the YDTS130 procedure no longer exists — the DRCAT Table is now updated through the TDIS-TBL system. See the *TDIS-TBL User Guide* (BR 759-200-003) for more information on TDIS-TBL.

140. YDTS140

As of TDIS Release 5.0, the YDTS140 procedure no longer exists — the HECIG to ECN Translation Table is now updated through the TDIS-TBL system. See the *TDIS-TBL User Guide* (BR 759-200-003) for more information on TDIS-TBL.

141. YDTS141 - Update and/or Inquiry of the Carrier Technology to ECN Translation Table

As of TDIS Release 5.1, the YDTS141 procedure no longer exists — the CXRTECH Table is now updated through the TDIS-TBL system. See the *TDIS-TBL User Guide* (BR 759-200-003) for more information on TDIS-TBL.

142. YDTS142 - Update and/or Inquiry of the Channel Bank to ECN Translation Table

As of TDIS Release 5.1, the YDTS142 procedure no longer exists — the CHBANK Table is now updated through the TDIS-TBL system. See the *TDIS-TBL User Guide* (BR 759-200-003) for more information on TDIS-TBL.

143. YDTS143 - Update and/or Inquiry of the Equipment Classification Table

As of TDIS Release 5.1, the YDTS143 procedure no longer exists — the EQPTCLS Table is now updated through the TDIS-TBL system. See the *TDIS-TBL User Guide* (BR 759-200-003) for more information on TDIS-TBL.

150. YDTS150

As of TDIS Release 5.0, the YDTS150 procedure no longer exists — the LATA Table is now updated through the TDIS-TBL system. See the *TDIS-TBL User Guide* (BR 759-200-003) for more information on TDIS-TBL.

160. YDTS160 - Update and/or Inquiry of the CPR/MIC Table

As of TDIS Release 5.1, the YDTS160 procedure no longer exists — the CPRMIC Table is now updated through the TDIS-TBL system. See the *TDIS-TBL User Guide* (BR 759-200-003) for more information on TDIS-TBL.

170. YDTS170 - PRINT TABLE GENERATIONS SELECTED FOR BATCH PROCESS

170.1 General Description

This procedure provides the ability to print the generation of each table that has been selected for use by the batch processes (i.e., print the table master files developed by the TDIS Online Table Update (TDIS-TBL) system). It provides a snapshot of the table information used by the batch processes for any given run, capturing information that may prove useful in subsequent diagnostics.

> **NOTE —** For maximum effectiveness as a diagnostic tool, this procedure should be executed as the first step in each batch processing cycle.

TDIS tables being printed by this procedure include

- Outside Plant Account Code Translation (ACCOUNT)
- Administration Area Exclusion (AAEXCL)
- Channel Bank to ECN (CHBANK)
- Material Item Code to Technology (CPRMIC)
- Carrier Technology to ECN (CXRTECH)
- State to DR Study Area Code (DRAREA)
- DR Class Code to Technology (DRCAT)
- DR Circuit Type/Group Code/Class Code (DRDD)
- Exchange Code Alias Translation (EXCHG)
- ECN to Equipment Class (EQPTCLS)
- DR Group Code to Facility Category (GRPCODE)
- HECIG Code to ECN (HECIG)
- HICAP DR Circuit Type Codes (HICAP)
- HICAP Special Services Code (HISVC)
- DR Circuit Type to Jurisdiction Category (JURCAT)
- Building Code to LATA (LATA)
- Standard Report Specifications (RPTCNTL)
- Tie Exception (TIEXCPT).

170.2 Program Flow Diagram

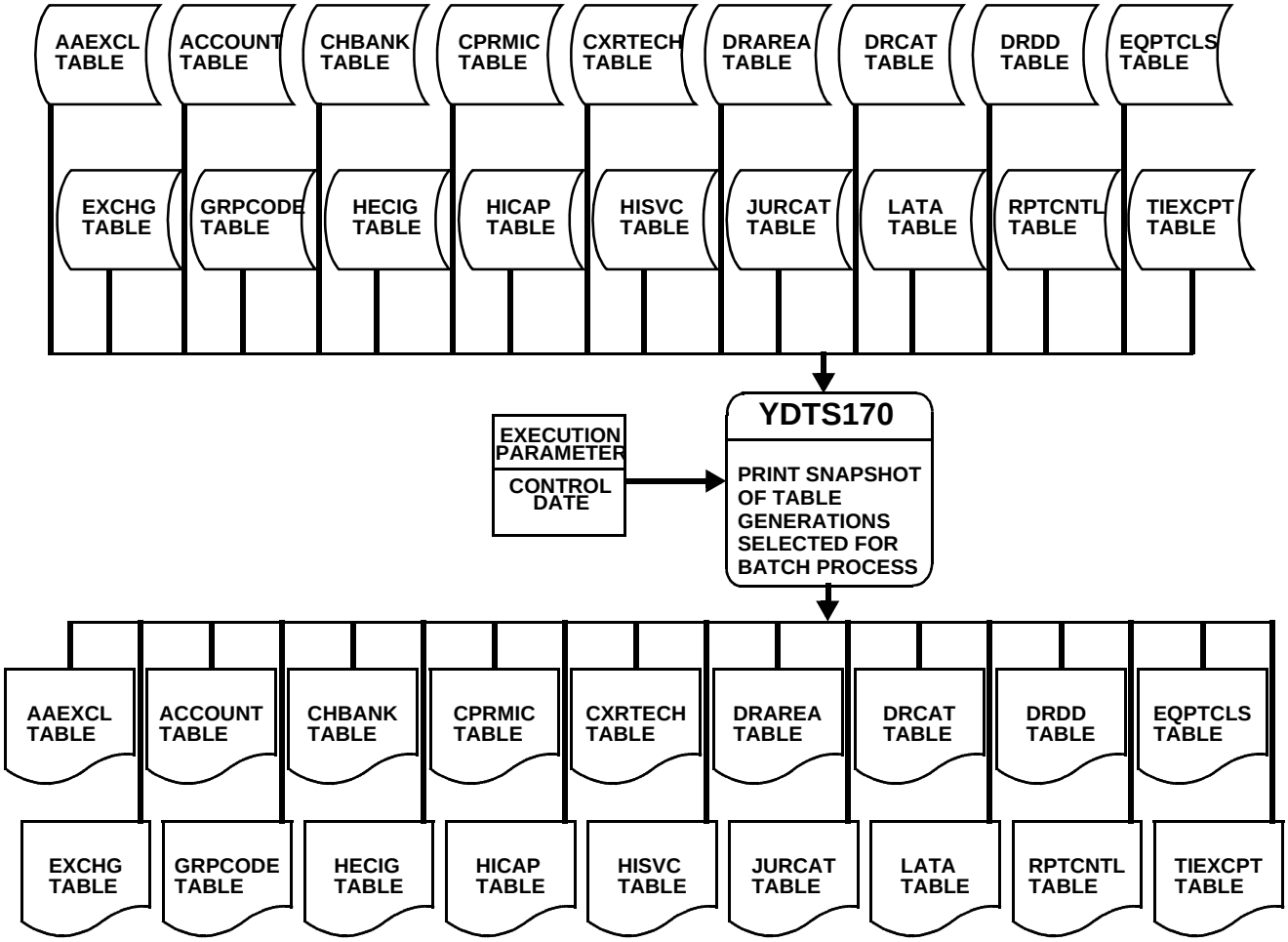


Figure 170-1. YDTS170 Program Flow Diagram

170.3 Inputs

170.3.1 Transmittal to Request the Run

The following information must be provided on the transmittal form:

1. RUN DATE - Specify the date this procedure is to be executed.
2. RUN SEQUENCE REQUIREMENT - If more than one run has been submitted, it is necessary to specify the order in which they are to be performed. Appendix B contains sequencing information.
3. EXECUTION PARAMETER - Specify the CONTROL DATE.
4. RECIPIENT OF OUTPUT - Name and address of the person(s) to whom the processed reports are to be delivered.

There are no user inputs associated with this process.

170.4 Outputs

This procedure produces printouts of each table generation selected for use in the batch process.

```
                                        * * * * D R P - T D I S * * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                    RUN FOLDER: YDTS170
REPORT: TS-IA01                                                                     PROGRAM: YDTSPAA     R-7.0
CONTROL DATE: 03/24/97                                                              RUN DATE:  05/09/97  12:09:46
                                     ADMIN AREA EXCLUSION TABLE INQUIRY REPORT       PAGE:         1
                                   LAST UPDATE: 05/07/97    GENERATION: G0004V00

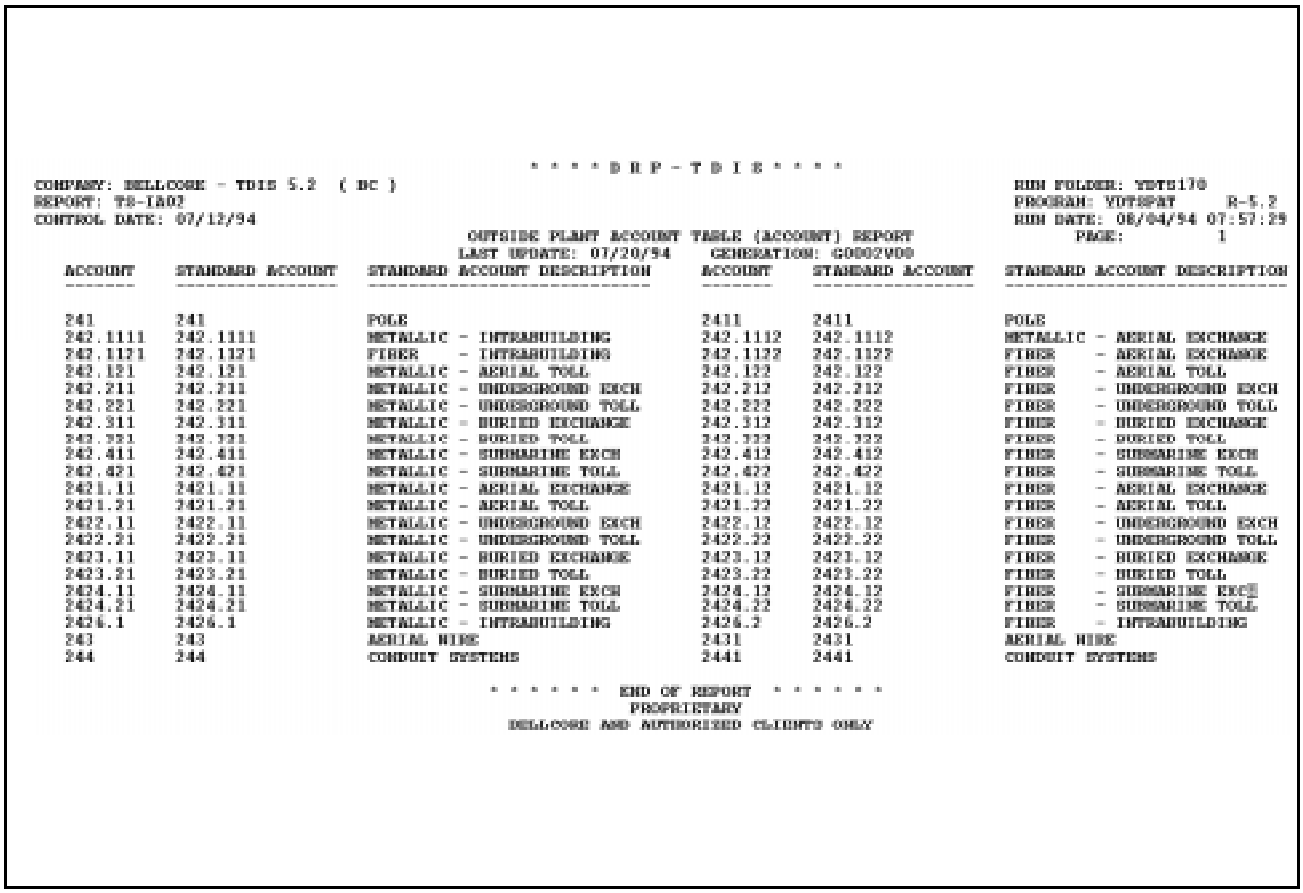
                          CIRCUIT (ADMIN AREA)
                          ------------------------------------------------------------------------
                          AA AB AL AR BG BS BT CC CG CK DC DL DN DV EW FE FT GG HU IA IT IX JE KC KS
                          LB LD LH LL LO LT MB MC MD MF MM ND NE OK PC PP PR PT QA RS SB SC SF SL TC

                          FACILITY (ASGT RESP)
                          ------------------------------------------------------------------------
                          AA AB AL AR BG BS BT CC CG CK DC DL DN DV EW FE FT GG HU IA IT IX JE KC KS
                          LB LD LH LL LO LT MB MC MD MF MM ND NE OK PC PP PR PT QA RS SB SC SF SL TC

                          EQUIPMENT (ASGT AUTH)
                          ------------------------------------------------------------------------
                          AA AB AL AR BG BS BT CC CG CK DC DL DN DV EW FE FT GG HU IA IT IX JE KC KS
                          LB LD LH LL LO LT MB MC MD MF MM ND NE OK PC PP PR PT QA RS SB SC SF SL TC

                                      * * * * * *  END OF REPORT  * * * * * *
                                                    PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure170-2. YDTS170-AAEXCL Table Report: TS-IA01



```
                                    * * * * D R P - T D I S * * * *

COMPANY: BELLCORE - TDIS 5.2  ( BC )                                  RUN FOLDER: YDTS170
REPORT: TS-IA02                                                       PROGRAM: YDTSPAT      R-5.2
CONTROL DATE: 07/12/94                                                RUN DATE: 08/04/94 07:57:29
                                                                            PAGE:          1
                                OUTSIDE PLANT ACCOUNT TABLE (ACCOUNT) REPORT
                                LAST UPDATE: 07/20/94    GENERATION: GOOO2VDO

ACCOUNT    STANDARD ACCOUNT   STANDARD ACCOUNT DESCRIPTION      ACCOUNT    STANDARD ACCOUNT   STANDARD ACCOUNT DESCRIPTION
-------    ----------------   ----------------------------      -------    ----------------   ----------------------------

241        241                POLE                              2411       2411               POLE
242.1111   242.1111           METALLIC - INTRABUILDING          242.1112   242.1112           METALLIC - AERIAL EXCHANGE
242.1121   242.1121           FIBER    - INTRABUILDING          242.1122   242.1122           FIBER    - AERIAL EXCHANGE
242.121    242.121            METALLIC - AERIAL TOLL             242.122    242.122            FIBER    - AERIAL TOLL
242.211    242.211            METALLIC - UNDERGROUND EXCH        242.212    242.212            FIBER    - UNDERGROUND EXCH
242.221    242.221            METALLIC - UNDERGROUND TOLL        242.222    242.222            FIBER    - UNDERGROUND TOLL
242.311    242.311            METALLIC - BURIED EXCHANGE         242.312    242.312            FIBER    - BURIED EXCHANGE
242.321    242.321            METALLIC - BURIED TOLL             242.322    242.322            FIBER    - BURIED TOLL
242.411    242.411            METALLIC - SUBMARINE EXCH          242.412    242.412            FIBER    - SUBMARINE EXCH
242.421    242.421            METALLIC - SUBMARINE TOLL          242.422    242.422            FIBER    - SUBMARINE TOLL
2421.11    2421.11            METALLIC - AERIAL EXCHANGE         2421.12    2421.12            FIBER    - AERIAL EXCHANGE
2421.21    2421.21            METALLIC - AERIAL TOLL             2421.22    2421.22            FIBER    - AERIAL TOLL
2422.11    2422.11            METALLIC - UNDERGROUND EXCH        2422.12    2422.12            FIBER    - UNDERGROUND EXCH
2422.21    2422.21            METALLIC - UNDERGROUND TOLL        2422.22    2422.22            FIBER    - UNDERGROUND TOLL
2423.11    2423.11            METALLIC - BURIED EXCHANGE         2423.12    2423.12            FIBER    - BURIED EXCHANGE
2423.21    2423.21            METALLIC - BURIED TOLL             2423.22    2423.22            FIBER    - BURIED TOLL
2424.11    2424.11            METALLIC - SUBMARINE EXCH          2424.12    2424.12            FIBER    - SUBMARINE EXC
2424.21    2424.21            METALLIC - SUBMARINE TOLL          2424.22    2424.22            FIBER    - SUBMARINE TOLL
2426.1     2426.1             METALLIC - INTRABUILDING           2426.2     2426.2             FIBER    - INTRABUILDING
243        243                AERIAL WIRE                       2431       2431               AERIAL WIRE
244        244                CONDUIT SYSTEMS                   2441       2441               CONDUIT SYSTEMS

                                * * * * * * END OF REPORT * * * * * *
                                        PROPRIETARY
                                BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 170-3. YDTS170 - ACCOUNT Table Report: TS-IA02

* * * * D R P - T D I S * * * *

COMPANY: CINCINNATTI (CB)
REPORT: TS-IE02
CONTROL DATE: 10/04/93

RUN FOLDER: YDTS170
PROGRAM: YDTSPCH R-5.1
RUN DATE: 10/29/93 16:09:29
PAGE: 1

CHANNEL BANK TO ECN TABLE (CHBANK) REPORT
LAST UPDATE: 10/22/93 GENERATION: G0002V00

CHANNEL BANK	ECN	CHANNEL BANK	ECN	CHANNEL BANK	ECN	CHANNEL BANK	ECN	CHANNEL BANK	ECN	CHANNEL BANK	ECN
A	829	AD	853HB	AD4W	853H2	AM	853HB	AM1	859	AM1A5	859B1
AM2	859	AM3	859	AM3A5	859B2	AM4	859	AM4A5	859B2	AM4W	853H2
AM5	859	AM5A5	859B1	AM6	859	AM6A5	859B1	AS	853HB	AS4W	853H2
AT1AE	817	AT1AW	817	A1	826A1	A2	826B1	A3	826C1	A4	826D1
A4W	853H2	A5	826E1	A6	826F1	A6A	826F1	A6B	826	A6BDSG	826
A7	826	B	853HH	BD	853HB	BD4W	853H2	BM	853HB	BM4W	853H2
BS	853HB	BS4W	853H2	B1	853	B4W	853H2	B770	853	CCED	809
CCEDC	814	CT	853H	D	809	DAA	809	DAC	809F	DACS	809F
DAC1	809F	DAC1C	809F	DAC2	809	DAC3	809	DAY	809	DAZ	809
DA1	853	DBA	809	DBB	809	DBC	809	DBD	809	DBE	809
DBF	809	DBG	809	DBH	809	DBLX3	837M	DBL13	837M	DBL23	837M
DBQ	809	DCRC3	838	DCR13	838	DCT	809E	DCT1	809E	DCT2	809E
DCT3	809E	DCT4	809E	DCT4A	809E	DCT5	809E	DDS	861	DFI	809
DFIZ	813	DIU	809	DI2	813	DMIB	853	DM1	809A3	DM4	809A3
DT	809	DX4	814	DX5	814	D1	809A	D1A	809A	D1AH	809
D1B	809A	D1BH	809	D1C	809A	D1D	809A	D2	809B	D3	809C
D3A	809C	D3AD	809	D3B	809CH	D4	809D	D4A	809D	D4A1	809D
D4A1D	809D	D4A2	809D	D4A2D	809D	D4A3	809D	D4A3D	809D	D4A4	809D
D4A5	809D	D4B	809D	D4B1	809D1	D4B2	809D1	D4B3	809D1	D4B3Z	809
D4B4	809D1	D4B4A	809D1	D4B5	809D1	E	853	EAA	826	EAB	826
EAC	826	EAD	826	EAE	826	EAF	826	EAG	837H	EAH	826
EAI	826	EAJ	826	EAK	826	EAM	804	EAO	809	EAP	809
EAQ	809	EAR	826	EAS	826	EAT	830	EAU	826	EAV	826
EBA	826	EBB	826	EBC	810	EBD	812D1	EBE	826	EBF	837H
EBG	826	EBI	837H	ECA	826	ECB	826	ECC	826	ECD	826
ECE	826	ECF	826	ECG	826	ECH	809	ECJ	809	ECK	809
ECL	826	ECM	826	ECO	826	ECP	826	ECQ	826	ECR	826
ECS	826	ECT	826	ECU	809	ECV	809	ECW1	837B	ECW2	837B
EED1	808	EFA	809	EFB	837N	EFE	826	EFF	809	EFG	809
EGA	837A	EGB	837A	EGC	837A	EGD	837A	EGE1	837A	EGE2	837A
EGFX3	837A	EGF13	837A	EGF23	837A	EHA	837C	EHB	837C	EHC	837C
EHD	837C	EHE	837C	EHF	837C	EIA	809	EIB	809	EIC	812B1
EID	812B1	EJA	826	EKA	809B1	EKI	810A1	EKJ	809C1	EKL	809
ELA	809	ELE	809	ELF	809	EMC	812A1	END	812E1	EUA	812B1
EVA	812F1	EWB3	809D	FD1	813	FJ1AE	817	FJ1AT	817	FJ1AW	817
FJ30	817	FJ33	817	FTG	813	FTG2	838	G	853	GDC	853
H	853	ISM	861	ISMX	861	ISM24	861	ISM24A	861	ISM48	861
ISM48A	861	ISM96	861	ISM96A	861	ITT	809	K	825A	L	829
LT1	833A	LT1A	833A	LT1B	833A	L1	829	L23A	853	L3	829
L4	829	L5	829	M	834	MUX	853	MWX4	838	MX3	814C1
MYCS3	838	MYCS3H	838	MYC3	838	MY13	838	MY33	813	MY34	838
M1C	834A	M1CA	834	M12	834C	M13	834	M23	834	M34	834D
N	804	NB2	809	NDTI	809	NW1	859E1	NW1N2	859E1	NW2	859E2
N1	804A	N2	804B	N2WM-1	859E1	N2WM-2	859E2	N3	804C	N3/L	804C
N3L	804C	N3LA	804C	N3LB	804C	N3LBG1	804	N3LBG2	804	N3LC	804C

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Figure 170-4. YDTS170 - CHBANK Table Report: TS-IE02

```
                                * * * * D R P - T D I S * * * *
COMPANY: CINCINATTI   ( CB )                                                    RUN FOLDER: YDTS170
REPORT: TS-IM01                                                                 PROGRAM: YDTSPCP     R-5.1
CONTROL DATE: 10/04/93                                                          RUN DATE:  10/29/93  16:09:30
                                        CPR/MIC TABLE INQUIRY REPORT            PAGE:         1
                                    LAST UPDATE: 10/19/93    GENERATION: G0002V00
                                         TECH/USE
                                         POLE     ASSI
                                         FIBER   STRAND
                                  CPR/MIC   METALLIC PAIR GA PAIR GA PAIR GA PAIR GA PAIR GA
                                 ---------- -------- ---- -- ---- -- ---- -- ---- -- ---- --

                                 13020      POLE
                                 13025      POLE
                                 13030      POLE
                                 13035      POLE
                                 13040      POLE
                                 13045      POLE
                                 13050      POLE
                                 13055      POLE
                                 13060      POLE
                                 13065      POLE
                                 13070      POLE
                                 20014      CONTACTR
                                 20016      CONTACTR
                                 20026      CONTACTR
                                 20047      CONTACTR
                                 20048      CONTACTR
                                 20059      CONTACTR
                                 20069      CONTACTR
                                 20081      CONTACTR
                                 20083      CONTACTR
                                 20101      CONTACTR
                                 20109      CONTACTR
                                 20111      CONTACTR
                                 20118      CONTACTR
                                 20119      CONTACTR
                                 20149      CONTACTR
                                 20161      CONTACTR
                                 20164      CONTACTR
                                 20166      CONTACTR
                                 20168      CONTACTR
                                 20169      CONTACTR
                                 20184      CONTACTR
                                 20185      CONTACTR
                                 20188      CONTACTR
                                 20189      CONTACTR
                                 20190      OTHER
                                 20192      CONTACTR
                                 20193      CONTACTR
                                 20194      CONTACTR
                                 20195      CONTACTR
                                 20196      CONTACTR
                                 20204      CONTACTR
                                 20206      CONTACTR
                                                  PROPRIETARY
                                         BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 170-5. YDTS170 - CPR/MIC Table Report: TS-IM01

```
                                    * * * * D R P - T D I S * * * *
COMPANY: CINCINATTI   ( CB )                                                    RUN FOLDER: YDTS170
REPORT: TS-IE01                                                                 PROGRAM: YDTSPCX     R-5.1
CONTROL DATE: 10/04/93                                                          RUN DATE:  10/29/93  16:09:31
                                  CARRIER TECHNOLOGY TABLE INQUIRY REPORT       PAGE:         1
                                LAST UPDATE: 10/19/93    GENERATION: G0001V00
```

CARRIER TECHNOLOGY	ECN	CARRIER TECHNOLOGY	ECN	CARRIER TECHNOLOGY	ECN	CARRIER TECHNOLOGY	ECN	CARRIER TECHNOLOGY	ECN	CARRIER TECHNOLOGY	ECN	CARRIER TECHNOLOGY	ECN
A	829	AT	808	AT1	831	A1	802	A2	802	A3	802	A4	802
A5	802	A6	802	B1	853	CMT	812E	CT	853G	CTA	853	CTB	853
DDS	861	FT3	813	K	805A	K32	812C	L	831	LOOP	810	LTWV	834
LWM	831	LWM1	831	LWM2	831	LWM3	831	LWM4	831	LWM5	831	LWM6	831
L1	831A	L3	831B	L4	831C	L5	831D	MIA	812G	N	824	N1	824
N2	824	N3	824	N3/L	824	N3L	824	N4	824	O	802Q	OA	802Q
OB	802Q	OC	802Q	OC03	817	OC12	817	OD	802Q	ON	824A	ON/K	824
ON1	824A	ON2	824A	PGCU15	808	PGCU3	808	PGCU5	808	PGCU8	808	PT1	808
SLC	810	STC	812F	T	809	TAU	808	TCS29	812B	TC1	812A	TO-A	808
T0	808	T0A	808	T0B	808	T0C	808	T0D	808	T1	808A	T1C	808A2
T1D	808A8	T1E	809	T1U	810	T1UP	813	T1X	808	T1Z	813	T1ZF	813
T2	808B	T2X	808	T2X1	813	T3	808	T3U	813	T3UP	813	T3U2	813
T3X	808	T3X1	808	T3X2	813	T3X2UP	813	T3X3	813	T3X3UP	813	T3X4	808
T4	808	T4X	808	T4X4	813	T4X4UP	813	T7X4	808	T7X4UP	813	X	804
23A	853	40A	853	40B	853	40C	853	43A	853H	43A1	853	43B1	853
81A	812D												

```
                                * * * * * *  END OF REPORT  * * * * * *
                                          PROPRIETARY
                                BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 170-6. YDTS170 - CXRTECH Table Report: TS-IE01

```
                                      * * * * D R P - T D I S * * * *
COMPANY: CINCINATTI   ( CB )                                                                 RUN FOLDER: YDTS170
REPORT: TS-ID02                                                                              PROGRAM: YDTSPDA     R-5.1
CONTROL DATE: 10/04/93                                                                       RUN DATE:  10/29/93  16:09:32
                                    STATE TO DR AREA TABLE (DRAREA) REPORT                   PAGE:         1
                                LAST UPDATE: 10/29/93    GENERATION: G0002V00
                           DR    DR    DR    DR    DR    DR    DR    DR    DR    DR    DR    DR
                  STATE    AREA  AREA  AREA  AREA  AREA  AREA  AREA  AREA  AREA  AREA  AREA  AREA
                  -----    ----  ----  ----  ----  ----  ----  ----  ----  ----  ----  ----  ----

                   AR      AR11  AR22  AR33
                   CH      CH
                   CK      CK
                   KY      CK
                   OH      CH
                   PA      PAPA
                   TX      TXDL




                                  * * * * * *  END OF REPORT  * * * * * *
                                               PROPRIETARY
                                    BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 170-7. YDTS170 - DRAREA Table Report: TS-ID02

```
                                        * * * * D R P - T D I S * * * *
COMPANY: CINCINNATTI   ( CB )                                                    RUN FOLDER: YDTS170
REPORT: TS-IT01                                                                  PROGRAM: YDTSPDC     R-5.1
CONTROL DATE: 10/04/93                                                           RUN DATE:  10/29/93  16:09:32
                                    CLASS CODE TO CATEGORY TABLE INQUIRY REPORT   PAGE:         1
                                   LAST UPDATE: 10/18/93    GENERATION: G0003V00
```

DR CATEGORY	DR CLASS CODE	DR CLASS CODE	DR CLASS CODE	DR CLASS CODE	DR CLASS CODE	DR CLASS CODE	DR CLASS CODE	DR CLASS CODE	DR CLASS CODE	DR CLASS CODE
NRP	NA	NAXA	NAZL	QQ	QQQQ	SN	SNQQ	SNXA	SNZL	04
XA	URQQ	URXA	XA	XAXA						
1	KC	KCQQ	KCWL	KCWM	KCXA	KCZL	LC			
2ACC	MC	RD	YS	YSXA	YSZL	YSZM	06			
2ACNAC	K2	YV	YVXA							
2PLE	SE	SEXA								
2PLI	GA	JN	PLQQ	PQ	W1					
2PLS	GB	JO	RT	SO	W2					
2WBIE	PLZL	PLZM	PR	QQZL	QQZM	URZL	URZM	ZL	ZLXA	ZM
	ZMXA	07								
2WBSE	PLWL	PLWM	URWL	URWM	WL	WM	WMXA			
2WBSR	PW	PWQQ	PWWL	PWWN	PWXA	WO	08			
3	GI	GS	IG	IP	IT	IW	I2	I4	I5	I9
	MA	ME	MH	MJ	P5	P6	P7	P8	SG	SW
	S2	S4	S5	S9	T1	T2	T3	T4	T5	T6
	W3	W4	W5	W6	YP	YPXA	YPZL	Y2	Y3	2T
	3T	4T	5T	6T						
4	RH									

```
                                    * * * * * *  END OF REPORT  * * * * * *
                                                  PROPRIETARY
                                    BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 170-8. YDTS170 - DRCAT Table Report: TS-IT01

```
                                        * * * * D R P - T D I S * * * *
COMPANY: CINCINNATTI   ( CB )                                                                    RUN FOLDER: YDTS170
REPORT: TS-ID01                                                                                  PROGRAM: YDTSPDD     R-5.1
CONTROL DATE: 10/04/93                                                                           RUN DATE:  10/29/93  16:09:34
                                                DRDD TABLE INQUIRY REPORT                        PAGE:         1  (1 OF 1)
                              LAST UPDATE: 09/08/93   GENERATION: G0001V00    TABLE CREATED: 09/08/93
                                                       DR FACILITY GROUP CODES
        I    E    T    M    F    R    N    S
DR CKT  ------------------------------------------------------------------------------------------------------------------------
 TYPE                                                  DR FACILITY CLASS CODES
------------------------------------------------------------------------------------------------------------------------

AHC81   ZL   ZL   ZL   ZL   ZM   ZM   ZM   ZL
AHC82   WL   WL   WL   WL   WM   WM   WM   WL
ASGJT   MJ   MC   MC   MJ   YS   YS   KC   KC
ASWIS   IW   W1   W1   IW   UR   UR   KC   KC
CXRXA   XA   XA   XA   XA   XA   XA   XA   XA
DATDS   GS   GB   04   GS   UR   UR   KC   KC
DATPL   KC   KC   KC   KC        KC   KC   KC
FGDJT   MJ   MC   06   MJ   YP   YP   KC   KC
FGDKC   MA   MC   05   MA   YS   YS   KC   KC
LGFS    SG   JO   04   SG   UR   UR   KC   KC
LGGS    IG   JN   04   IG   UR   UR   KC   KC
LSKCS   KC   KC   KC   KC   UR   UR   KC   KC
MSGDA   NA   NA   NA   NA   NA   NA   NA   NA
MSGJT   MJ   MJ   MJ   MJ   YP   YP   KC   KC
MSGK1   K1   K1   K1   K1                 KC   KC
MSGK2   K2   K2   K2   K2   YV   YV   KC   KC
MSGRH   RH   RH        RH                 KC   KC
MSNRP   NA   NA   NA   NA   NA   NA   NA   NA
MSWST   SW   W2   W2   SW   UR   UR   KC   KC
PLCOT   SN   SN   SN   SN   SN   SN   SN   SN
PLIVO   GI   GA   04   GI   UR   UR   KC   KC
PLSBB   EB   PW   04   EB                      PW
PLXCH   SE   SE   SE   SE        UR   KC   KC
PVLLL   SE   SE   SE   SE   SE   WM   KC   KC
SBGS    MA   MC   MJ   MA   YS   YS   KC   KC
SDFS    MA   MC   MC   MA   YS   YS   KC   KC
SDGS    MA   MC   MC   MA   YS   YS   KC   KC
XAFS    W3   RT   08   W3   UR   UR   UR   KC
XAGS    P5   PQ   07   P5   UR   UR   UR   KC
XBFS    W4   RT   08   W4   UR   UR   UR   KC
XBGS    P6   PQ   07   P6   UR   UR   UR   KC
XGFS    W5   RT   08   W5   UR   UR   UR   KC
XGGS    P7   PQ   07   P7   UR   UR   UR   KC
XHFS    W6   RT   08   W6   UR   UR   UR   KC
XHGS    P8   PQ   07   P8   UR   UR   UR   KC


                                      * * * * * *  END OF REPORT  * * * * * *
                                                    PROPRIETARY
                                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 170-9. YDTS170 - DRDD Table Report: TS-ID01

```
                                    * * * * D R P - T D I S * * * *
COMPANY: CINCINATTI   ( CB )                                                                RUN FOLDER: YDTS170
REPORT: TS-IE03                                                                             PROGRAM: YDTSPEQ     R-5.1
CONTROL DATE: 10/04/93                                                                      RUN DATE:  10/29/93  16:09:34
                                           ECN TO EQUIPMENT CLASS TABLE INQUIRY REPORT              PAGE:         1
                                          LAST UPDATE: 10/25/93    GENERATION: G0002V00
                                EQPT                     EQPT                     EQPT                     EQPT
                      ECN       CLASS          ECN       CLASS          ECN       CLASS          ECN       CLASS
                      -----     -----          -----     -----          -----     -----          -----     -----
                      801         1            801A        1            801A1       1            801B        1
                      801B1       1            801B2       1            801B6       1            801CA       1
                      801C1       1            801C2       1            801D1       1            801G1       1
                      801H1       1            801JA       1            801J1       1            801J2       1
                      801KA       1            801K1       1            802         1            802AB       1
                      802A1       1            802C1       1            802C2       1            802C3       1
                      802C4       1            802D1       1            802H1       1            802H2       1
                      802J1       1            802J2       1            802J3       1            802J4       1
                      802J5       1            802J6       1            802QA       1            802Q1       1
                      802Q2       1            802Z1       1            803         2            803A1       2
                      803A2       2            803A3       2            803A4       2            803A5       2
                      803A6       2            803B1       2            803B2       2            803B3       2
                      803B4       2            803B5       2            803B6       2            803C1       2
                      803C2       2            803D1       2            803D2       2            803D3       2
                      803D4       2            803EA       2            803EB       2            803EC       2
                      803ED       2            803E1       2            803E2       2            803E3       2
                      803FA       2            803F1       2            804         1            804AA       1
                      804AB       1            804AC       1            804AD       1            804AE       1
                      804AF       1            804AG       1            804AH       1            804AJ       1
                      804AK       1            804A1       1            804A2       1            804A3       1
TRANSLATION OF EQUIPMENT CLASSIFICATION CODE
  1-GOES TO HIGHER ORDER SIDE (I.E. I RATHER THAN E)
  2-GOES TO THE NON-CARRIER (I.E. CABLE SIDE) IF BETWEEN CABLE AND CARRIER
    OTHERWISE, GOES TO THE LOWER ORDER SIDE (I.E. E RATHER THAN I)

                                                     PROPRIETARY
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```

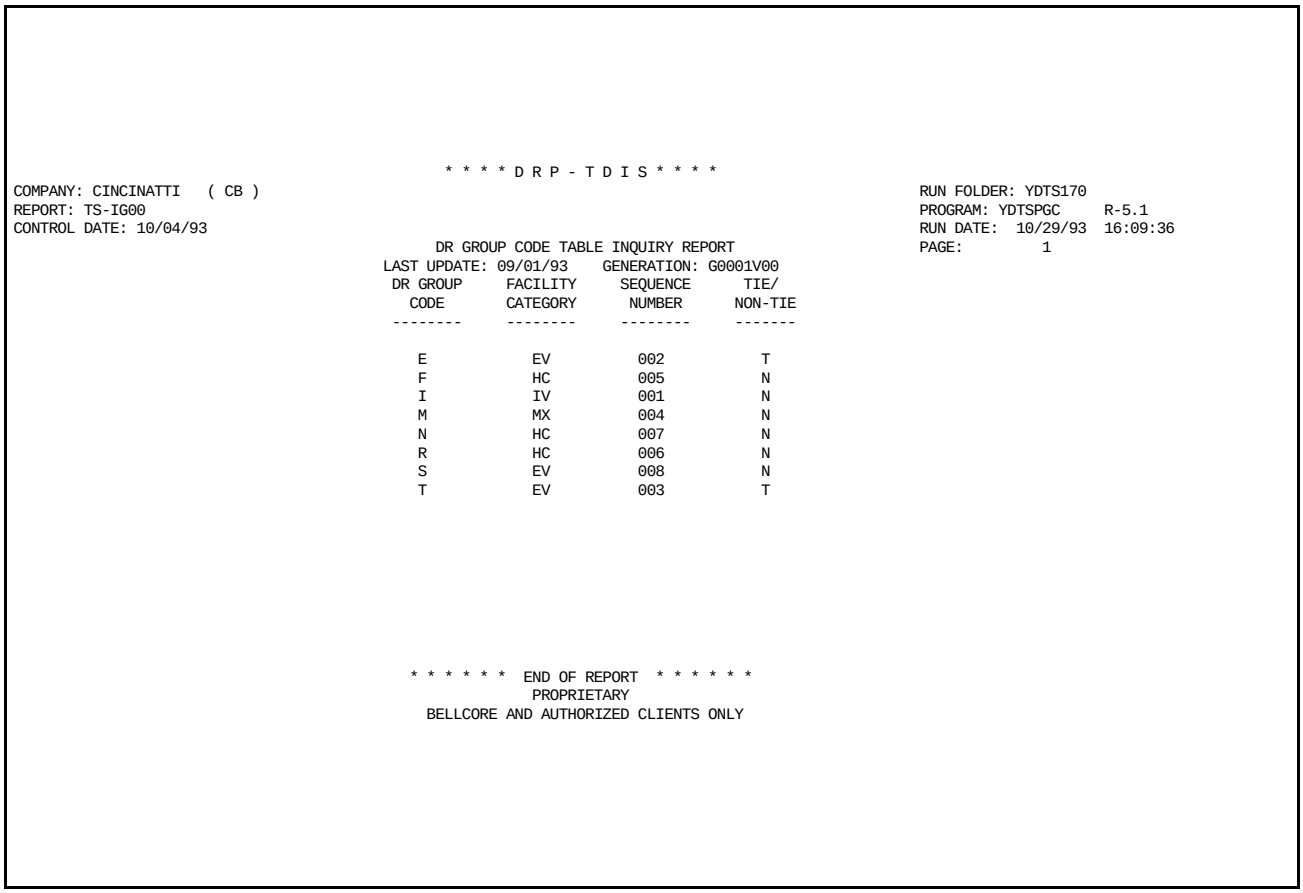
Figure 170-10. YDTS170 - EQPTCLS Table Report: TS-IE03

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                                    RUN FOLDER: YDTS170
REPORT: TS-IX01                                                                                     PROGRAM: YDTSPEX     R-7.0
CONTROL DATE: 03/24/97                                                                              RUN DATE:  05/09/97  12:10:02
                                     EXCHANGE CODE ALIAS TABLE (EXCHG) REPORT                       PAGE:         1
                                   LAST UPDATE: 03/13/97    GENERATION: G0001V00
               LOCATION 1  LOCATION 2  MSG E/I  PVT E/I                LOCATION 1  LOCATION 2  MSG E/I  PVT E/I
               ----------  ----------  -------  -------                ----------  ----------  -------  -------

                AAAAAAAA    ZZZZZZZZ      X        X


                                      * * * * * *  END OF REPORT  * * * * * *
                                                  PROPRIETARY
                                    BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 170-11. YDTS170 - EXCHG Table Report: TS-IX01



```
                                * * * * D R P - T D I S * * * *

COMPANY: CINCINATTI   ( CB )                                          RUN FOLDER: YDTS170
REPORT: TS-IG00                                                       PROGRAM: YDTSPGC     R-5.1
CONTROL DATE: 10/04/93                                                RUN DATE:  10/29/93  16:09:36
                                                                      PAGE:         1

                              DR GROUP CODE TABLE INQUIRY REPORT
                          LAST UPDATE: 09/01/93    GENERATION: G0001V00
                           DR GROUP     FACILITY     SEQUENCE      TIE/
                             CODE       CATEGORY      NUMBER      NON-TIE
                           --------     --------     --------     -------

                              E           EV          002          T
                              F           HC          005          N
                              I           IV          001          N
                              M           MX          004          N
                              N           HC          007          N
                              R           HC          006          N
                              S           EV          008          N
                              T           EV          003          T




                            * * * * * *  END OF REPORT  * * * * * *
                                        PROPRIETARY
                              BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 170-12. YDTS170 - GRPCODE Table Report: TS-IG00

```
                                  * * * * D R P - T D I S * * * *

COMPANY: CINCINNATTI   ( CB )                                                    RUN FOLDER: YDTS170
REPORT: TS-IE00                                                                  PROGRAM: YDTSPHE     R-5.1
CONTROL DATE: 10/04/93                                                           RUN DATE:  10/29/93  16:09:37
                                  HECIG TO ECN TABLE (HECIG) INQUIRY REPORT       PAGE:         1
                                LAST UPDATE: 08/25/93    GENERATION: G0001V00

 HECIG       ECN        HECIG       ECN        HECIG       ECN        HECIG       ECN
 --------    -----      --------    -----      --------    -----      --------    -----
 AR          829        BBBC        827        BBBR        826        BBB5A       826
 BBB5B       869        BBB6*       869        BBB6#       826        BBCB   *    826
 BBCB   #    837        BBCM   *    826        BBCM   #    837        BBGC        827
 BBMR        826        BELS        851        BLAC        851        BNC*        845
 BNE         845        BNQA        845        BRGU        851        BRM0        851
 BRQA        849        BRQC        851        BRQL        851        BRQM        851
 BRQV4       843        BR2         851        BR4         851        CP          845
 CXG*        845        CXSL        843        CXSP        845        CXSS        845
 CXXC        853        DC          809        DD          861        DL          843
 DM     *    834        DM     #    837        DNQV*       809        DX     *    845
 DX     #    846        D1          809        D2          809        D3          809
 D4          809        EM          861        ER          842        ES          840
 EZ          851        E5M         842        E6          841        FL*         810
 FL#         841        F4MT*       809        F4QV        809        JX          829
 LCAN        843        LCD         853        LCLB        870        LCLM        843
 LCPA   *    851        LCPA   #    843        LT          833        LX     *    829
 LX     #    837        L3          829        L4          831        L5          831
 MM          829        MSLC#       809        MSOX#       808        MTM         868
 MTM*        868        MTM#        868        MTP         850        MTQ         841
 MTQV        841        MTQV*       841        MTS         843        MTT         843
 MTVF        841        MT2         843        MT4         843        MX          829
 M3          814        NI          804        NP          804        N1AS        846
 N1BT        804        N1BX        824        N1C         804        N1D         824
 N1F         824        N1L         824        N1M         824        N1R         824
                                    PROPRIETARY
                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 170-13. YDTS170 - HECIG Table Report: TS-IE00

```
                                    * * * * D R P - T D I S * * * *

COMPANY: BELLCORE - TDIS 5.2   ( BC )                                   RUN FOLDER: YDTS170
REPORT: TS-IH02                                                         PROGRAM: YDTSPHI     R-5.4
CONTROL DATE: 10/06/94                                                  RUN DATE:  08/16/95  08:38:53
                                      DR CIRCUIT TYPE TABLE (HICAP) INQUIRY REPORT       PAGE:        1
                                    LAST UPDATE: 02/21/95    GENERATION: G0005V00

  DRCKT  TYPE
  _____  ____

  AAG17  S

  ABA17  S

  ACA17  M

  ACL17  M

  ACN17  S

  NIP    M

  NIP1   S

  ZZZ22  M




                                  * * * * * *  END OF REPORT  * * * * * *

                                             PROPRIETARY
                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 170-14. YDTS170 - HICAP DR Circuit Type Table Report: TS-IH02

```
                                                     * * * * D R P - T D I S * * * *
COMPANY: BELLCORE - TDIS 5.2    ( BC )                                                                           RUN FOLDER: YDTS170
REPORT: TS-IH01                                                                                                  PROGRAM: YDTSPH0      R-5.1
CONTROL DATE: 07/12/94                                                                                           RUN DATE: 08/04/94 07:57:51
                                                  HICAP SPECIAL SVC TABLE INQUIRY REPORT                             PAGE:            1
                                              LAST UPDATE: 07/07/94     GENERATION: G0003V00
      SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC SVC
      --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- --- ---
      DH  HC  HD  HE  HF  HG  HH  HI  HJ  HL  HM  HS




                                                    * * * * * *  END OF REPORT  * * * * * *
                                                              PROPRIETARY
                                                   BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 170-15. YDTS170 - HICAP Special SVC Table Report: TS-IH01

```
                                        * * * * D R P - T D I S * * * *
COMPANY: CINCINATTI   ( CB )                                                    RUN FOLDER: YDTS170
REPORT: TS-IJ01                                                                 PROGRAM: YDTSPJU     R-5.1
CONTROL DATE: 10/04/93                                                          RUN DATE:  10/29/93  16:09:38
                                    JURISDICTIONAL CATEGORY TABLE INQUIRY REPORT PAGE:         1
                                   LAST UPDATE: 10/21/93    GENERATION: G0002V00
     JURISDICTIONAL   CKT    CKT    CKT    CKT    CKT    CKT    CKT    CKT    CKT    CKT    CKT    CKT    CKT    CKT    CKT    CKT
        CATEGORY      TYPE   TYPE   TYPE   TYPE   TYPE   TYPE   TYPE   TYPE   TYPE   TYPE   TYPE   TYPE   TYPE   TYPE   TYPE   TYPE
     ---------------  -----  -----  -----  -----  -----  -----  -----  -----  -----  -----  -----  -----  -----  -----  -----  -----

                             PLXCH

     IS ER PL         ASWIS  LGGS   NTGS   PKGS   SEGS   XAGS   XGGS   XHGS

     IS ER PL EX      ALIVO  LBGS   LCGS




     JT MS IX         SBGS   SDFS   SDGS

     MS EX            FGDB2  MSGC1  MSGK1  MSGK2

     NRP              MSGCO  MSGDA  MSNRP  PLCOT

     PL EX            PVLFL  PVLLL  RMT1L


     ST ER PL         LGFS   MSWST  XAFS   XBFS   XBGS   XGFS   XHFS

     ST JT MS IX      ASGJT  ASGK2  FGDJT



     SUBSCRIBER MSG   DATPL  LSKCS

     4.12MSGREL       MRUEX  MRVEX  RTNA



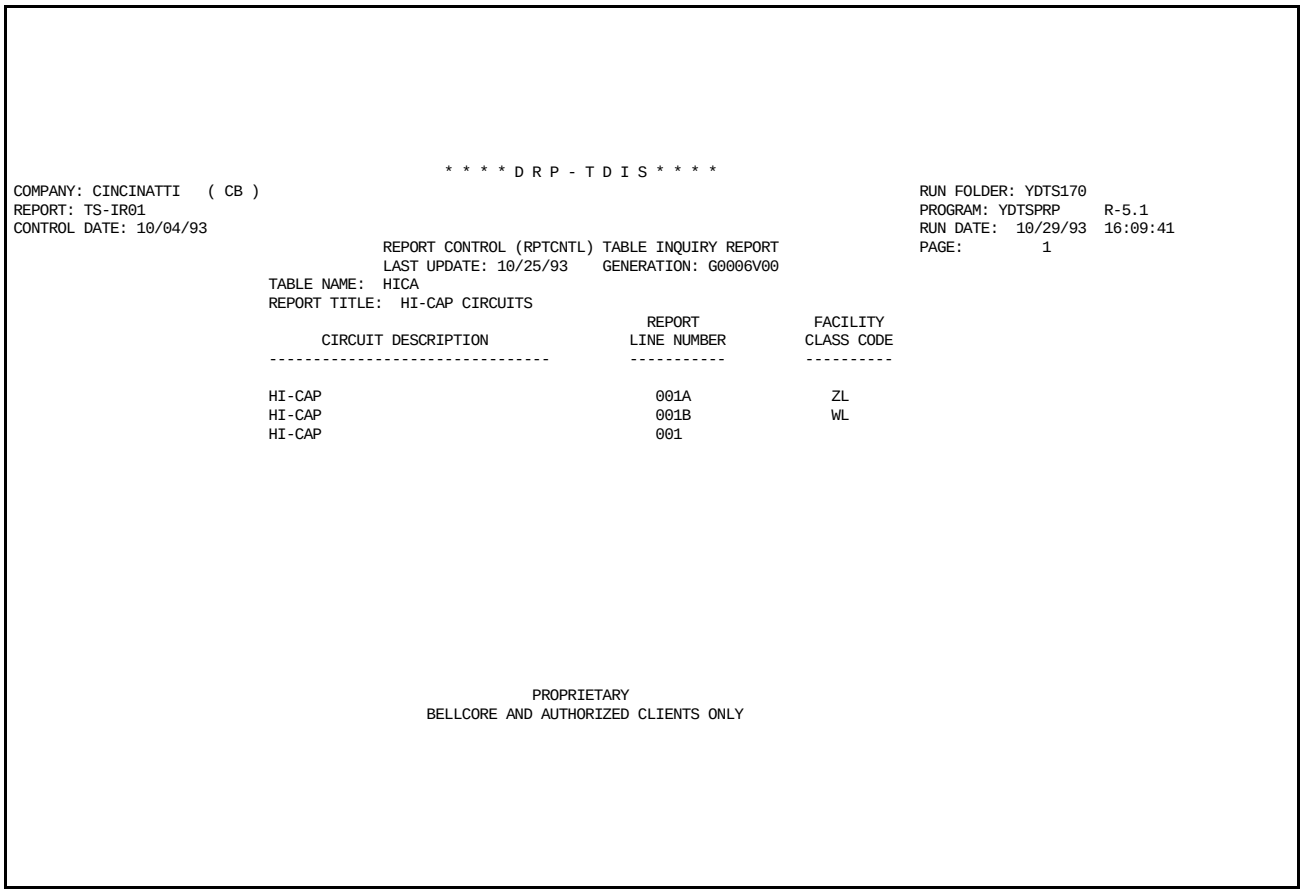
                                      * * * * * *  END OF REPORT  * * * * * *
                                                   PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 170-16. YDTS170 - JURCAT Table Report: TS-IJ01

```
                                * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                  RUN FOLDER: YDTS170
REPORT: TS-IL01                                                                   PROGRAM: YDTSPLA     R-6.1
CONTROL DATE: 03/24/97                                                            RUN DATE:  05/09/97  12:10:14
                                        LATA TABLE INQUIRY REPORT                 PAGE:         1
                                  LAST UPDATE: 05/05/97    GENERATION: G0001V00
                                                LATA INFORMATION
                                 ------------------------------------------------
                                                POINT OF
                                  BUILDING      LATA      PRESENCE      VERTICAL      HORIZONTAL
                                  CLLI CODE     CODE      INDICATOR     COORDINATE    COORDINATE
                                 -----------    -----     ---------     ----------    ----------
                                 ADTPOHU2003    OH922
                                 AKRNOH25       OH325         I            5637          2472
                                 ALXNKYAAW01    KY922
                                 ALXNKYAL       KY922         C            6278          2645
                                 AMELOHAA1MD    OH922
                                 ATHNOHXA       OH324         X            6011          2354
                                 AURRINXA       IN922         L            6304          2732
                                 BATVOHAAW01    OH922
                                 BATVOHACW01    OH922
                                 BATVOHADW01    OH922         Y            6280          2572
                                 BATVOHBA       OH922         N            6239          2627
                                 BATVOHCA       OH922
                                 BATVOHCC       OH922
                                 BATVOHU2003    OH922
                                 BATVOH1C       OH922

                                                PROPRIETARY
                                       BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 170-17. YDTS170 - LATA Table Report: TS-IL01



```
                                    * * * * D R P - T D I S * * * *

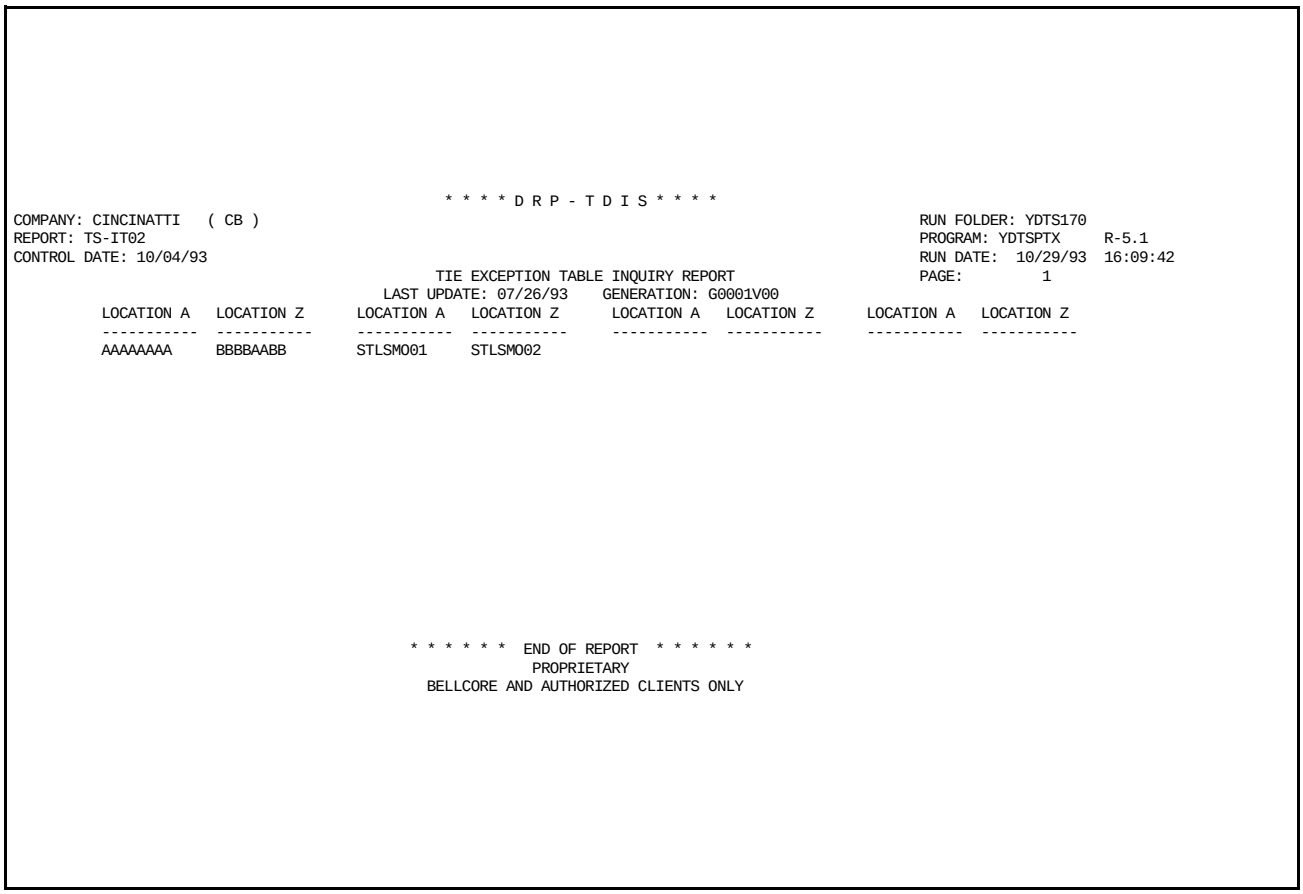
COMPANY: CINCINATTI   ( CB )                                                    RUN FOLDER: YDTS170
REPORT: TS-IR01                                                                 PROGRAM: YDTSPRP     R-5.1
CONTROL DATE: 10/04/93                                                          RUN DATE:  10/29/93  16:09:41
                                                                                PAGE:         1
                          REPORT CONTROL (RPTCNTL) TABLE INQUIRY REPORT
                          LAST UPDATE: 10/25/93    GENERATION: G0006V00
                    TABLE NAME:  HICA
                    REPORT TITLE:  HI-CAP CIRCUITS

                                                          REPORT            FACILITY
                          CIRCUIT DESCRIPTION           LINE NUMBER        CLASS CODE
                    --------------------------------    -----------        ----------

                    HI-CAP                                  001A              ZL
                    HI-CAP                                  001B              WL
                    HI-CAP                                  001


                                          PROPRIETARY
                                BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 170-18. YDTS170 - RPTCNTL Table Report: TS-IR01



```
                                    * * * * D R P - T D I S * * * *
COMPANY: CINCINNATTI   ( CB )                                                    RUN FOLDER: YDTS170
REPORT: TS-IT02                                                                  PROGRAM: YDTSPTX     R-5.1
CONTROL DATE: 10/04/93                                                           RUN DATE:  10/29/93  16:09:42
                                        TIE EXCEPTION TABLE INQUIRY REPORT       PAGE:         1
                                     LAST UPDATE: 07/26/93    GENERATION: G0001V00
         LOCATION A   LOCATION Z      LOCATION A   LOCATION Z      LOCATION A   LOCATION Z      LOCATION A   LOCATION Z
         -----------  -----------     -----------  -----------     -----------  -----------     -----------  -----------
         AAAAAAAA     BBBBAABB        STLSMO01     STLSMO02

                                  * * * * * *  END OF REPORT  * * * * * *
                                               PROPRIETARY
                                     BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 170-19. YDTS170 - TIEXCPT Table Report: TS-IT02

170.5 Abnormal Termination

The following condition codes will result in termination of the process:

Condition Code 2010 - Requested table file is not valid.

Condition Code 2012 - Internal sort failed while processing.

If one of the above errors occurs:

1. Examine the table master file for data corruption.
2. Examine the CLIST/REXX allocate statements within the table system to confirm that they are addressing the proper table master file.

180. YDTS180 - Update and/or Inquiry of the Jurisdictional Category Table

As of TDIS Release 5.1, the YDTS180 procedure no longer exists — the JURCAT Table is now updated through the TDIS-TBL system. See the *TDIS-TBL User Guide* (BR 759-200-003) for more information on TDIS-TBL.

200. YDTS200 - Extract TIRKS Circuit Inventory Data

200.1 General Description

This procedure creates a TDIS file containing circuit-level information for all working circuits in the TIRKS system. This information will be used to validate facility-level data from the TIRKS system and in downstream processing of TDIS (YDTS300) to create a composite file containing combined circuit and facility data (Circuit Details Facility Length File). The TIRKS C1 Inventory Report Database, (ZRRCKTSS), created by the TIRKS ZRC1M15 run using LINK control cards, is the source of the C1 data for this procedure. The process also creates a (HICAPEXT) file of those circuits ids from the carrier data base that matches the DR Circuit Type from the HICAP table. This file is used by YDTS220 it identify Special Access and Message HICAP facilities.

This program first compares the TRS Creation Date, provided by the user from the on-line tables control panel, with the TIRKS date record internal to the file. If the user-entered date and the TIRKS date are within the range of plus or minus one day, processing will continue. If the dates are outside this range, processing will be terminated until a corrected date has been submitted. The plus or minus one day requirement is an additional audit check to ensure that the proper tapes are being accessed.

The following data is extracted from the TIRKS C1 Inventory File (ZRRCKTSS):

- Data Fields Common to All Circuits
  - — Circuit Access Code (CAC)
  - — Administrative Area
  - — DR Circuit Type - Five-character separations code
  - — Group DR Type
  - — Percentage of Interstate Usage (PIU)
  - — Circuit Format - S, M, C, T, 1, 2, 3, 4
  - — Circuit ID - COMMON LANGUAGE Description
  - — Exchange Access Code (EAC)
  - — Central Office/Customer NC
  - — Central Office NCI
  - — Customer NCI
  - — CLO DR Type
  - — CLO Number - TIRKS generated order number

— CLO Action - A, D, R, etc.

— CLO Completion Date - MM/DD/YY.

— Location A2 - Secondary originating office CLLI. (for open ended circuits only)

— Location Z2 - Secondary terminating office CLLI. (for open ended circuits only).

- Data Fields Unique to Message Circuits
  - — Trunk Group Access Code (TGAC)
  - — Trunk Status - W, $, etc.
- Data Fields Unique to Special Service Circuits
  - — Family Access Code (FAC)
  - — Special Service Status Indicator - W. $, etc.
  - — Special Service DR Circuit Type
  - — Location A - Originating Office CLLI™
  - — Location Z - Terminating Office CLLI

The above data items are described in BR 756-551-790, *TIRKS Format/Field Directory*, as well as in Appendix I.

NOTE — Span line and span group records are bypassed in this process.

Program YDTS201

YDTS201 uses the HICAP table containing DR Circuit Types that have been marked as Special Access and Message HICAP and creates a HICAPTBL file eliminating the header records to be catalogued and used by the EXTRCKT MNRKIV program.

200.2 Program Flow Diagram

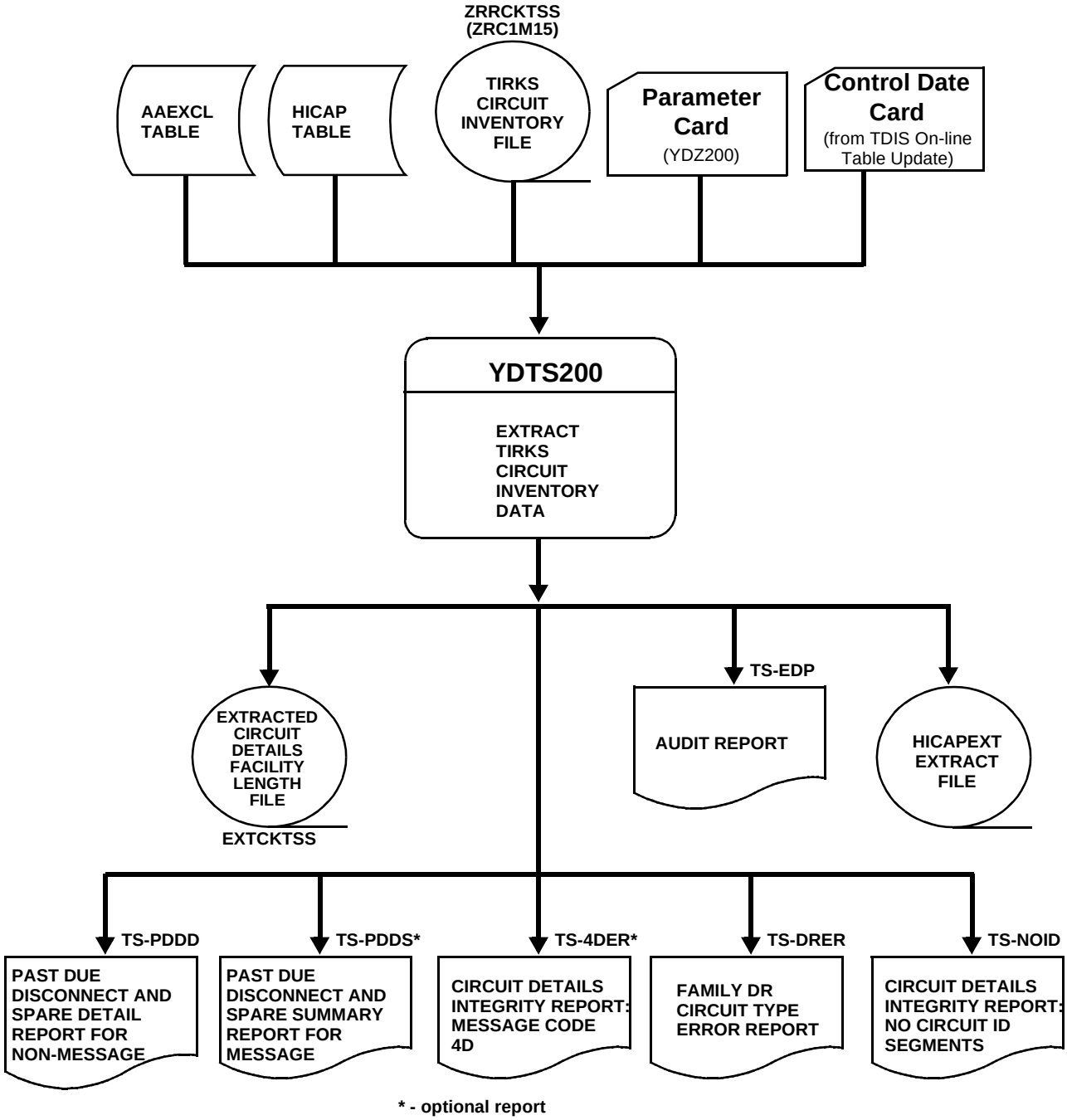


Figure 200-1. YDTS200 Program Flow Diagram

200.3 Inputs

200.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date this program is to be executed.
2. RUN SEQUENCING REQUIREMENTS - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B provides job sequencing requirements.
3. TAPE IDENTIFICATION (VOL=SER) - The identification number generated when the interface tape was created by the TIRKS process.
4. DATABASE OWNER - Enter the two-character code identifying the owner of the database. Appendix A contains valid codes.
5. RECIPIENT OF OUTPUT - Name and address of person(s) to whom the processed report is to be delivered.

> **NOTE —** Maintenance of the control card for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL).

200.3.2 Input Cards

Parameter Card - This is created using the TDIS On-Lines Tables.

Control Date Card - Use the TDIS On-Lines Tables to set this to the correct value.

200.3.3 TIRKS C1 Inventory Reports Database

The TIRKS C1 Inventory Reports Database (ZRRCKTSS) is input to this process.

200.4 Outputs

The Extracted Circuit Inventory File (EXTCKTSS) created by this process will be used by the YDTS300 process.

The HICAP extract file (HICAPEXT) of circuit ids created by this process will be used by the YDTS220 process.

200.4.1 Past Due Disconnect and Spare Detail Report for Non-message Type Circuits: TS-PDDD

This report displays non-message type circuits that became non-working due to a past due Disconnect or Spare CLO Activity Action existing after an ‘‘In Effect’’ CLO Activity Action. This report contains the following information:

- CAC - Circuit Access Code
- Family CAC
- Circuit Identification
- CLO Action - Circuit Layout Order Action
- CLO Due Date
- CLO Completion Date.

```
                                    * * *  B I S  -  D R P  -  T / D I S  * * *
COMPANY:  BELLCORE TDIS REL 5.0                                                  RUN FOLDER:  YDTS2000
REPORT:  TS-PDDD                                                                 PROGRAM:  EXTRCKT  R-5.0
CONTROL DATE:  10/15/92                                                          RUN DATE:  10/22/92 12.41.03
                    PAST DUE DISCONNECT AND SPARE DETAIL REPORT FOR NCN-MESSAGE TYPE CIRCUITS
          FAMILY                                                  CLO   DUE      CMP
CAC        CAC     CIRCUIT IDENTIFICATION                       ACT   DATE     DATE
-------------------------------------------------------------------------------------------------------------------
CMM2PT2             312  /ON2G1 /ESLSIL8227E/EURKMO53587          D   751001
CMM3ZR7             234  /N1    /STLSMO01   /STLSMO02            D   760419
CMM4HA9             12346/N2    /STLSMO01   /STLSMO02            D   760819  760729
CMM4VU6             00001/N2    /STLSMO0101T/STLSMO03            D   780415  780407
CMM4VW6             32133/C     /STLSMO01   /STLSMO02            D   790201  781219
CMM4VX6             35401/C     /STLSMO01   /STLSMO02            D   790330  781219
CMM4WE6             22438/C     /STLSMO01   /STLSMO02            D   800418  800322
CMM4WH5             15084/T1    /PISCNJMT   /SMVLNJMT            D   800602  800324
CMM4WJ2             13084/T1    /PISCNJMT   /SMVLNJMT            D   800602  800324
CMM4WM9             08085/T1    /PISCNJMT   /SMVLNJMT            D   800603  800325
CMM4WT4             42087/T1    /PISCNJMT   /SMVLNJMT            D   800605  800327
CMM4WT7             40087/T1    /PISCNJMT   /SMVLNJMT            D   800605  800327
CMM4WZ7             26269/T1    /PISCNJMT   /SMVLNJMT            D   801205  800925
CMM4WZ8             26918/T1    /PISCNJMT   /SMVLNJMT            D   801205  820326
CMM4XL4             02919/C     /STLSMO01   /STLSMO02            D   820119  811204
CMM4XN2             01529/C     /STLSMO01   /STLSMO02            D   820106  811207
CMM4XP4             22114/C     /STLSMO01   /STLSMO02            D   820106  811207
CMM4XT4             A203 /A2    /WHHSNJT1   /WHHSNJT3            D   811215  811208
CMM4YD5             401T1/T1    /PISCNJMT   /SMVLNJMT            D   860122  830105
CMM4YD6             301T1/T1    /PISCNJMT   /SMVLNJMT            D   860122  841026
CMM4YZ2             901N1/N1    /PISCNJMT   /SMVLNJMT            D   831111  821101
CMM4YZ3             902N1/N1    /PISCNJMT   /SMVLNJMT            D   831111  821101
CMM4YZ4             903N1/N1    /PISCNJMT   /SMVLNJMT            D   831111  821101
CMM4YZ5             904N1/N1    /PISCNJMT   /SMVLNJMT            D   831111  821101
CMM4YZ6             905N1/N1    /PISCNJMT   /SMVLNJMT            D   831111  821101
CMM4ZT3             TYPEA/T1    /BLTMMDDT   /BLTMMDLB            D   850810  850208
CMM4ZT4             TYPEB/T1    /BLTMMDDT   /BLTMMDLB            D   850810  850208
CMM4ZT5             TYPEC/T1    /BLTMMDDT   /BLTMMDLB            D   850810  850208
CMN4AF8             002  /T1    /WASHDCDP   /WASHDCWH            D   900115  860103
CMN4AJ4             CXR03/T1    /ALXNVAFR   /ALXNVAMV            D   860501  860107
CMN4AN5             1001 /T1C   /WASHDCSE   /WASHDCSW            D   880115  860718
CMN4AW4             21425/ON2G2 /STLSMO07   /STLSMO09            D   870407  870324
CMN4CG2             NT301/T3    /WASHDCFI   /WASHDCSW            D   920430  900111
CMN4CG9             NT101/T1    /WASHDCDT   /WASHDCFI            D   920831  900111
CMN4CH4             NT101/T1    /WASHDCDT   /WASHDCSW            D   921001  900111
CMN4CH7             NT101/T1    /WASHDCSW   /WASHDCUT            D   920430  901211
CMN4DQ3             101  /T1    /GTASNJGT   /PISCNJMT            D   910211  910128
                                                  BELLCORE NOTICE
                                DISTRIBUTION LIMITED TO BELLCORE AND REGIONAL BELL COMPANIES
```

Figure 200-2. Past Due Disconnect and Spare Detail Report for Non-Message Type Circuits: TS-PDDD

200.4.2 Past Due Disconnect and Spare Summary Report for Message Circuits: TS-PDDS

This report displays a summary of Trunk Group Access Codes (TGAC) for Message type circuits that became non-working due to a past due Disconnect or Spare CLO Activity Action existing after an ‘‘In Effect’’ CLO Activity Action. This report contains the following information:

- Trunk GAC - Trunk Group Access Code
- Circuit Identification
- CLO Action - Circuit Layout Order Action
- CLO Due Date
- CLO Completion Date
- Number of trunks.

```
                                    * * *  B I S  -  D R P  -  T / D I S  * * *
COMPANY:  BELLCORE TDIS REL 5.0                                                  RUN FOLDER:  YDTS2000
REPORT:  TS-PDDS                                                                 PROGRAM:  PDDSMSG  R-5.0
CONTROL DATE:  10/15/92                                                          RUN DATE:  10/22/92 12.41.59
                        PAST DUE DISCONNECT AND SPARE SUMMARY REPORT FOR MESSAGE CIRCUITS
              TRUNK                                                  CLO   DUE     CMP
               GAC     CIRCUIT IDENTIFICATION                        ACT   DATE    DATE          TRUNKS
 ------------------------------------------------------------------------------------------------------------
              AA000652  0001/DF55IE       /SXSTEST    /M-/5XBTEST2     D   770922  770817          2
              AA000678     2/DF55IE       /LL353090949/A-/STLSMO02     D   790201  781219          1
              AA000679     1/DF55IE       /LL353091100/A-/STLSMO02     DS  790201  781219          1
              AA000705  0001/DF55IE       /LL084105258/-M/STLSMO07     D   800505  800324          3
              AA000719     3/DF55IE       /LL085092413/A-/STLSMO02     DS  800408  800325          1
              AA000720     3/DF55IE       /LL085093054/A-/STLSMO02     DS  800506  800325          1
              AA000721     1/DF55IE       /LL085094015/A-/STLSMO02     DS  800506  800325          1
              AA000722     2/DF55IE       /LL085094813/A-/STLSMO02     D   800506  800325          1
              AA000723     4/DF55IE       /LL085095452/A-/STLSMO02     D   800618  800325          1
              AA000728     2/DF55IE       /LL085105533/A-/STLSMO02     DS  800408  800325          1
              AA000730     2/DF55IE       /LL085111218/A-/STLSMO02     D   800422  800325          1
              AA000733  0001/HU41IT       /TC085185908/DD/STLSMO08     D   800506  800325         26
              AA000738  0001/HU41IT       /TC086085216/DD/STLSMO08     D   800507  800326         32
              AA000758     3/DF55IE       /LL087134118/A-/STLSMO02     DS  80 410  800327          1
              AA000760     3/DF55IE       /LL087145512/A-/STLSMO02     DS  800410  800327          1
              AA000764     3/DF55IE       /LL087165917/A-/STLSMO02     DS  800410  800327          1
              AA000765     3/DF55IE       /LL087170409/A-/STLSMO02     DS  800508  800327          1
              AA000766     1/DF55IE       /LL087171107/A-/STLSMO02     DS  800508  800327          1
              AA000767     2/DF55IE       /LL087193947/A-/STLSMO02     D   800508  800327          1
              AA000779     2/DF55IE       /LL338200216/A-/STLSMO02     D   820119  811204          1
              AA000781     2/DF55IE       /LL338205311/A-/STLSMO02     DS  811218  811204          1
              AA000799     3/DF55IE       /LL341133645/A-/STLSMO02     DS  811221  811207          1
              AA000801     3/DF55IE       /LL341134130/A-/STLSMO02     DS  820120  811207          1
              AA000803     1/DF55IE       /LL341134849/A-/STLSMO02     DS  820120  811207          1
              AA000808  0001/DF55IE       /LL341151308/-M/STLSMO07     D   820120  811207          6
              AA001829   921/PH55IE       /GTASNJGTCG0/77/GTASNJCSDS0  D   920312  920129          5
              AA001830   921/DF5-ED       /GTASNJCSDS0/M-/PISCNJMT2MD  D   920312  920129          5
              AC000499   110/DF55TE       /STLSMO01    /DD/STLSMO02    DS  760106                  1
              AC402318  0001/MI21CB       /CKTMR402318/M-/TRNGDBAA     DS  870505  870324          1
              AC444444    01/DF55TO       /STATISNY61A/M-/STATISNT72T  DS  761011  760802          2
              AJ000002  5551/DF55IE       /STLSMO0101T/M-/STLSMO03     D   780228  780117          3
              AJ000624                                                 D   760803  760803          3
              AJ000625                                                 D   760731  760731          1
              AJ012345  0010/DF45OO       /STLSMO01    /M-/STLSMO02    D   760819  760729          5
              AJ070080  2112/DF15IE       /BLTMMDAA    /D-/BLTMMDZZ    D   801106  800925          1
              AJ071779  1128/DF15IE       /BLTMMDCH    /D-/BLTMMDHM    D   80 506  800325          3
              AJ072388   001/AF45TC       /LEMTILLNCG0/M-/CTASNJCTCG0  D   891130  890321          2
                                                    BELLCORE NOTICE
                              DISTRIBUTION LIMITED TO BELLCORE AND REGIONAL BELL COMPANIES
```

Figure 200-3. Past Due Disconnect and Spare Summary Report for Message Circuits: TS-PDDS

200.4.3 Circuit Details Integrity Report (Message Code 4D): TS-4DER

This report displays the circuits that became non-working due to an invalid CLO Activity Action; the first CLO Activity Action not being an ‘‘In Effect’’, ‘‘Spare’’, or ‘‘Add’’; or no CLO segment at all. This report contains the following information:

- Circuit Format
- Circuit Identification
- CAC - Circuit Access Code
- CPU ID
- Circuit Status
- DR Type
- CLO Number - Circuit Layout Order Number
- CLO Action - Circuit Layout Order Action
- CLO Due Date
- CLO Completion Date.

```
                                  * * *  B I S  -  D R P  -  T / D I S  * * *
COMPANY:  BELLCORE TDIS REL 5.0                                                  RUN FOLDER:  YDTS2000
REPORT:  TS-4DER                                                                 PROGRAM:  EXTRCKT  R-5.0
CONTROL DATE:  10/15/92                                                          RUN DATE:  10/22/92 12.41.03
                                        CIRCUIT DETAILS INTEGRITY REPORT
                                              MESSAGE CODE 4D
  CKT                                                  CPU    CKT      DR                      CLO    DUE      CMP
  FMT  CIRCUIT IDENTIFICATION                    CAC    ID    STATUS   TYPE    CLO NUMBER      ACT    DATE     DATE
  ------------------------------------------------------------------------------------------------------------------------
       NO DATA FOR THIS REPORT


                                              BELLCORE NOTICE
                                DISTRIBUTION LIMITED TO BELLCORE AND REGIONAL BELL COMPANIES
** MK4FT03  TYPE 0  END OF REPORT.                                                                              *****
** MK4ED02  TYPE 0  REQUEST-EXTRCKTL  REPORT-1  REQUESTOR ID- NON-MSG PDD&S DETAIL REPORT                       *****
```

Figure 200-4. Circuit Details Integrity Report: TS-4DER

200.4.4 Family DR Circuit Type Error Report: TS-DRER

This report displays the Special Service Family whose family DR Circuit Type was not blank or did not begin with an ‘‘A’’ or ‘‘N’’. This report contains the following information:

- Family CAC - Family Circuit Access Code
- CAC - Circuit Access Code
- DR Circuit Type
- Family DR Circuit Type
- Circuit Identification.

```
                                          * * *  B I S  -  D R P  -  T / D I S  * * *
COMPANY:  BELLCORE TDIS REL 5.0                                                                   RUN FOLDER:  YDTS2000
REPORT:  TS-DRER                                                                                  PROGRAM:  EXTRCKT  R-5.0
CONTROL DATE:  10/15/92                                                                           RUN DATE:  10/22/92 12.41.03
                                              FAMILY DR CIRCUIT TYPE ERROR REPORT
                                                   FAMILY
                         FAMILY            DR CKT  DR CKT
                          CAC       CAC     TYPE    TYPE   CIRCUIT IDENTIFICATION
  ----------------------------------------------------------------------------------------------------------------------------------
                                                          NO DATA FOR THIS REPORT




                                                      BELLCORE NOTICE
                                   DISTRIBUTION LIMITED TO BELLCORE AND REGIONAL BELL COMPANIES
```

Figure 200-5. Family DR Circuit Type Error Report: TS-DRER

200.4.5 Circuit Details Integrity Report (No Circuit ID Segments): TS-NOID

This report lists CACs that have no Circuit ID segments.

```
                                  * * *  B I S  -  D R P  -  T / D I S  * * *

COMPANY:  BELLCORE TDIS REL 5.0                                  RUN FOLDER:  YDTS2000
REPORT:  TS-NOID                                                 PROGRAM:  EXTRCKT  R-5.0
CONTROL DATE:  10/15/92                                          RUN DATE:  10/22/92 12.41.03

                                  CIRCUIT DETAILS INTEGRITY REPORT
                                       NO CIRCUIT ID SEGMENTS

   CAC
 ------------------------------------------------------------------------------------------
  CMM4ZQ9
  CMN4AF4
  CMN4AF5
  CMN4AH7
  CMN4AH8
  CMN4AH9
  CMN4BS6
  CMN4CC3
  CMN4CC4
  CMN4CC5
  CMN4CE3
  CMN4CE9
  CMN4CF2
  CMN4CP5
  CMN4DF3
  CMN4DJ4
  CMN4DY7
  CMN4EC2
  CMN4EC3
  CMN4EC4
  CMN4ED8
  CMN4EG8
  CMN4EH4
  CMN4EK8
  CMN4EM5
  CMN4EM6
  CMN4EN3
  CMN4ET7
  CMN4EU2
  CMN4EU4
  CMN4EU5
  CMN4EU6
  CMN4EU7
  CMN4EU8
  CMN4EU9
  CMN4EV2

                                        BELLCORE NOTICE
                          DISTRIBUTION LIMITED TO BELLCORE AND REGIONAL BELL COMPANIES
```

Figure 200-6. Circuit Details Integrity Report: TS-NOID

200.4.6 Audit Report: TS-EDP

The audit report summarizes the input and output activities of the YDTS200 process.

An image of the TDIS Table on-line card input and associated error messages will be reflected immediately below the ‘‘Card Column’’ line. The following error messages may be encountered:

5A - Indicated Field Is Invalid
The data in question will be underlined to assist the user in initiating necessary corrections.

5B - Required Field Missing
The input card is lacking data necessary to initiate the process. A corrected input card is required to restart the process.

The major items on this report and the audit checks that are to be made are as follows:

- **Control date CPU ID and DBO**
  Control date, CPU ID, and DBO are reprinted immediately below the image of the TDIS Table on-line card.
- **TIRKS C1 Inventory (ZRRCKTSS) segments read, by segment type and total**
  The counts of TRS database segments read should match the count of data segments written, per segment type, from the processing summary of the TIRKS Run ZRCIM15 that generated the interface tape.
- **Carrier, family, message, and special service segments accepted, per record type and total**
- **Carrier, family, message, and special service segments bypassed per record type and total**
- **Span line segments bypassed, per record type and total**
- **Span Group segments bypassed, per record type and total**
- **HIGH-CAP records written, per record type and total**
- **Total TDIS Extracted DR Circuit Inventory Records Written**
- **Total non-message CKTS which were past due disconnects and spare**
- **Total message CKTS which were past due disconnects and spare**
- **Total number of records with no CKT ID info**
- **Total number of 4D errors**
- **Total number of DR CKT type errors for family CACs**
- **Administration Areas Excluded, totals listed by Administration Area.**

```
                                        * * *  B I S  -  D R P  -  T D I S  * * *
COMPANY:  BASE - RELEASE 7.0 ENVIRONMENT  (CB)                                          RUN FOLDER:  YDTS200
REPORT:  TS-EDP                                                                         PROGRAM:  EXTRCKT   R-7.0
CONTROL DATE:  03/24/97                                                                 RUN DATE:  05/05/97 16.14.03
                                          EDP PROGRAM SUMMARY AND AUDIT REPORT          PAGE 1
                                           CIRCUIT INVENTORY DATA EXTRACTION

                                1         2         3         4         5         6         7         8      ERROR
          CARD COLUMNS     12345678901234567890123456789012345678901234567890123456789012345678901234567890     MESSAGES
                           2000 032497 Y Y

             CONTROL DATE: 032497 CB CB

                         TIRKS C1 INVENTORY (ZRRCKTSS) SEGMENTS READ:  C1CKTD01 (CKT COMMON) =      40,848
                                                                       C1CKTD1A (FAMILY CKT) =       1,613
                                                                       C1CKTD02 (CKTID)      =      42,057
                                                                       C1CKTD05 (CLO INFO)   =      45,840
                                                                       TOTAL                 =     130,358
                      CXR, MSG, SPCL SERV, & FAMILY SEGMENTS ACCEPTED:  C1CKTD01 (CKT COMMON) =       3,527
                                                                       C1CKTD1A (FAMILY CKT) =          57
                                                                       C1CKTD02 (CKTID)      =       3,527
                                                                       C1CKTD05 (CLO INFO)   =       3,527
                                                                       TOTAL                 =      10,638
                                            OTHER SEGMENTS BYPASSED:  C1CKTD01 (CKT COMMON) =      35,319
                                                                       C1CKTD1A (FAMILY CKT) =       1,553
                                                                       C1CKTD02 (CKTID)      =      36,883
                                                                       C1CKTD05 (CLO INFO)   =      40,482
                                                                       TOTAL                 =     114,237
                                         SPAN LINE SEGMENTS BYPASSED:  C1CKTD01 (CKT COMMON) =       2,002
                                                                       C1CKTD1A (FAMILY CKT) =           0
                                                                       C1CKTD02 (CKTID)      =       1,789
                                                                       C1CKTD05 (CLO INFO)   =       1,831
                                                                       TOTAL                 =       5,622
                                        SPAN GROUP SEGMENTS BYPASSED:  C1CKTD01 (CKT COMMON) =           0
                                                                       C1CKTD1A (FAMILY CKT) =           0
                                                                       C1CKTD02 (CKTID)      =           0
                                                                       C1CKTD05 (CLO INFO)   =           0
                                                                       TOTAL                 =           0
                                           HI-CAP RECORDS WRITTEN:  (SPECIAL ACCESS HI-CAP) =           5
                                                                    (MESSAGE        HI-CAP) =          42
                                                                    (TOTAL)                 =          47

                                TDIS EXTRACTED DR CIRCUIT INVENTORY RECORDS WRITTEN:  TOTAL        =       3,527
                                    NON-MESSAGE CIRCUITS WHICH ARE PAST DUE DISCONNECTS OR SPARES  =          25
                                        MESSAGE CIRCUITS WHICH ARE PAST DUE DISCONNECTS OR SPARES  =          60
                                      TOTAL NUMBER OF RECORDS WITH NO CIRCUIT ID INFO (NO 02 SEG) =         697
                                                                        TOTAL NUMBER OF 4D ERRORS =           7
                                           TOTAL NUMBER OF DR CIRCUIT TYPE ERRORS FOR FAMILY CAC'S =           1

MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID
   5B - REQUIRED FIELD IS MISSING
                                                    BELLCORE NOTICE
                                 DISTRIBUTION LIMITED TO BELLCORE AND REGIONAL BELL COMPANIES
```

Figure 200-7. Audit Report: TS-EDP

```
                                    * * *  B I S  -  D R P  -  T D I S  * * *
COMPANY:  BASE - RELEASE 7.0 ENVIRONMENT  (CB)                                  RUN FOLDER:  YDTS200
REPORT:  TS-EDP                                                                 PROGRAM:  EXTRCKT   R-7.0
CONTROL DATE:  03/24/97                                                         RUN DATE:  05/05/97 16.14.03
                                        EDP PROGRAM SUMMARY AND AUDIT REPORT    PAGE 2
                                         CIRCUIT INVENTORY DATA EXTRACTION

ADMINISTRATION AREAS EXCLUDED:

    SL         5,451    CC           510    SF         3,156    ND           751    OK           174
    LL           551    DN            15    TC         2,221    SC            28    PR            18
    MC             7    PT            82    DC         7,451    HU           311    BT             3
    EW             5    IT           149    AL             3    FT         2,214    DV           106
    LO            24    QA           544    FE         1,529    LH            92    PP            28
    RS            12    DL           111    MM            40    AA            61    MB            40
    KC            62    AR            22    KS           515    GG            30    NE           158
    SB            51    LT            29    CK            39    BS            85    AB            22
    IA             6    JE             5    LB         3,060    MD             1    CG             9
    PC            15    IX            24    MF             1    BG             1    LD             1

                                    * * * * * *  END OF REPORT  * * * * * *
                                              BELLCORE NOTICE
                                DISTRIBUTION LIMITED TO BELLCORE AND REGIONAL BELL COMPANIES
```

Figure 200-8. Audit Report: TS-EDP (AA- Excluded)

200.5 Abnormal Termination

Condition Code 16

Condition Code 16**,** consisting of the following situations, will result in termination of the process.

If the TIRKS system creation date specified on the TDIS Table on-line card does not match the creation date on the TIRKS system interface tape by plus or minus one day, the message ‘‘Creation Date Does Not Match Creation Date on Tape (MMDDYY)’’ is printed on the TS-EDP report. This may indicate that the wrong TIRKS system tape was accessed. A new input card or tape containing the correct information is required to restart the process.

If either the card ID, request name, or the creation date is missing or invalid, the invalid or blank field will be underlined and a message code of 5A or 5B will be reflected on the EDP report. A notation of ‘‘Input Control Card Missing or Invalid, Processing Terminated’’ is also printed on the EDP report. A new card containing correct information must be input to restart the process.

205. YDTS205 - Extract TIRKS Span Line Data

205.1 General Description

This procedure creates a table that will be used to convert Span Line Circuit Access Codes (LCACs), which exist only in the Span Line database, to the appropriate special service, message, or carrier CAC. The CAC resident in the circuit, equipment, and facilities files is used to combine these three files into a single record in TDIS. The input data for this procedure is derived from the TIRKS Span Line Details File (ZRRSPNSS) created by TIRKS run ZRF1C30. The Span Line Assignment Table File (SPANCAC) created by this procedure will be used in the YDTS220 and YDTS240 procedures to convert any LCAC codes to the appropriate Circuit or CAC Code.

The processing procedure for this program first compares the TRS Creation Date, provided by the user from the on-line tables control panel, to the TIRKS system date record internal to the file. If the user-entered date and the TIRKS system date are within the range of plus or minus one day, processing will continue. If the dates are outside this range, processing will be terminated until a corrected extract date is entered on the control card panel. The plus or minus one day requirement is an additional audit check to ensure that the proper tapes are being accessed.

This program extracts information for those span lines that have a line status of “IE”, in-effect, or “PA”, pending ADD. If the prime assignment activity is “W”, working, assign the CAC code for the working circuit to the replacement CAC field. For any other prime assignment value place ‘**SPARE’ in the replacement CAC field.

This program creates a Span Line Assignment Table that contains the LCAC and the CAC of the circuit/carrier assigned to that span line.

Programs Extract TIRKS Cable and Carrier Details in the YDTS220 procedure, and Extract TIRKS Equipment Details in the YDTS240 procedure. These programs will access the SPANCAC file prior to writing data to the output files, based on the following logic:

If the CAC begins with the letter ‘‘L’’ for span line, the LCAC is used to argument the Span Line Assignment Table File. The LCAC is then replaced with the CAC of the circuit or carrier system that will be used in the cable detail, carrier detail, and equipment detail records. This process of dissolving span and only reflecting the circuit or carrier assigned to the span will significantly reduce the number of 2F (Working Circuit Has No Working Facilities), 3A (Facility is Assigned To A Non-Existent Circuit), and 3L (Equipment Subdivision Assigned to a Non-Existent Circuit) error codes during processing of the YDTS300 program.

205.2 Program Flow Diagram

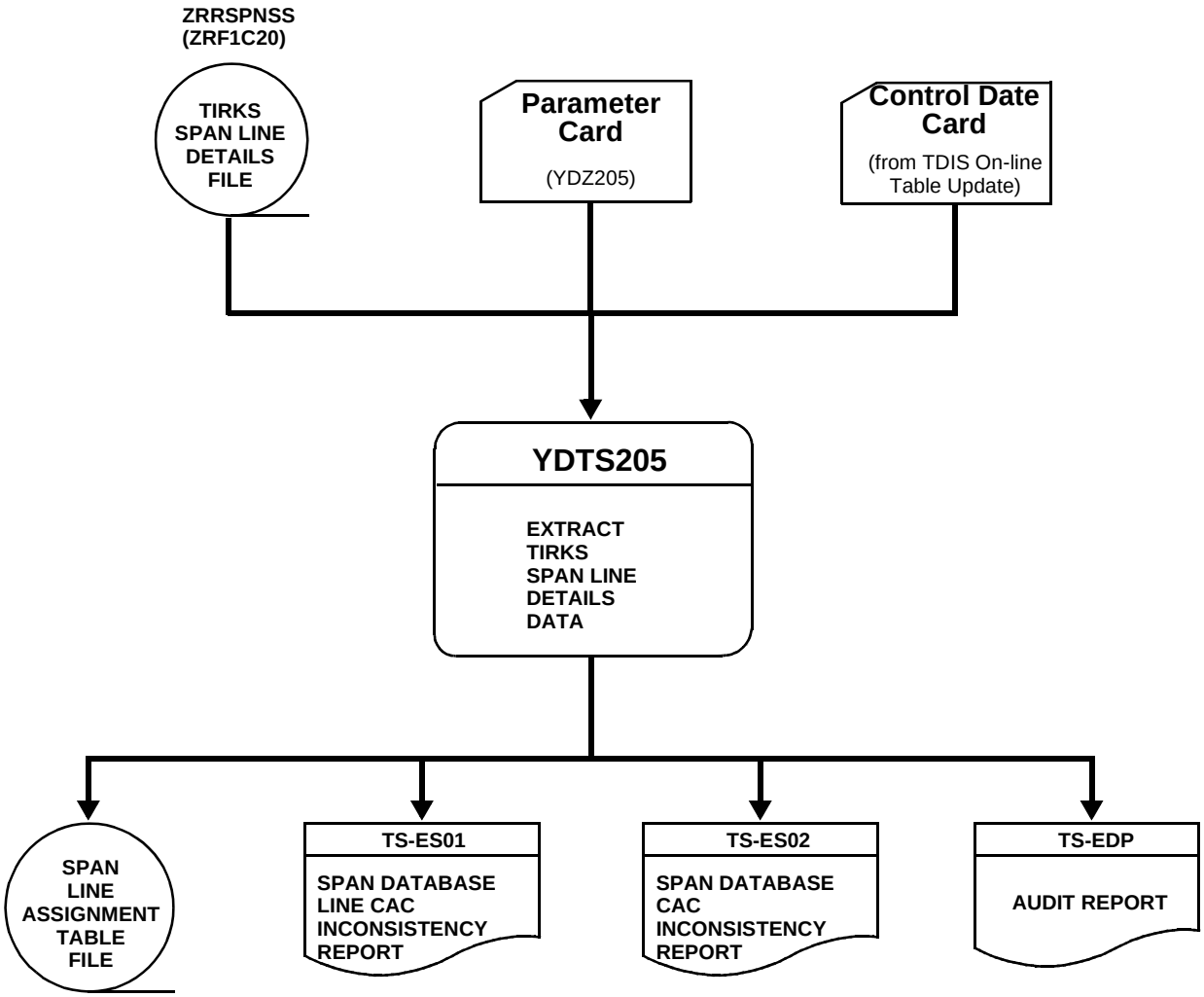


Figure 205-1. YDTS205 Program Flow Diagram

205.3 Inputs

205.3.1 Transmittal to Request the Run

The following information must be provided on the transmittal form:

1. RUN DATE - Specify the date this program is to be executed.
2. RUN SEQUENCE REQUIREMENTS - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B contains job sequencing requirements.
3. TAPE IDENTIFICATION (VOL=SER) - The identification number generated when the interface tape was created by the TIRKS process.
4. RECIPIENT OF OUTPUT - Name and address of the person(s) to whom the processed reports are to be delivered.

There are no user options associated with this procedure.

> **NOTE —** Maintenance of the control card for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL).

205.3.2 Input Cards

Parameter Card - This is created using the TDIS On-Lines Tables.

Control Date Card - Use the TDIS On-Lines Tables to set this to the correct value.

205.3.3 TIRKS Span Line Details Report Database

The TIRKS Span Line Details Report Database (ZRRSPNSS) is input to this process.

205.4 Outputs

The Extracted Span Line Details File (SPANCAC) created by this process will be used by the YDTS220 and YDTS240 processes.

205.4.1 Span Database Line CAC Inconsistency Report: TS-ES01

The span line unit should only have one primary working assignment. However, if more than one primary working assignment exists, this report will provide the necessary information for the TIRKS personnel to correct the database.

The heading of the report will contain the following information:

- In the upper left-hand corner: company name, report name, and control date.
- In the upper right-hand corner: the run folder number, program name/TDIS release number, and run date. The TDIS release number indicates the last time this procedure was changed.

Refer to the current SRD to validate this information.

The report will be titled ‘‘Span Database Line CAC Inconsistency Report’’. The report body will contain the following information, if inconsistencies are found:

- SGAC - This is the Span Group Access Code (SGAC).
- TERMINAL A - This is the originating office/location of the span line.
- TERMINAL Z - This is the terminating office/location of the span line.
- FACILITY DESIGNATION (FAC DES) - This is the number of the span line. Normally, span line numbers begin with 100, 1000, or locally established numbering plans.
- FACILITY TYPE (FAC TYPE) - This is an alphanumeric description of the span line, i.e., T1S.
- FROM LINE (FROM/TO LINE) - This is a two-part field in TIRKS on the Span Line Header. The ‘‘From Line’’ is the first segment of the files for the first line within the specified range.
- TO LINE (FROM/TO LINE) - This is a two-part field in TIRKS on the Span Line Header. The ‘‘To Line’’ is the second segment of the files for the last line within the specified range.
- LINE NUMBER (LINE) - This is the unique sequential identifying number for a specific span line within a span group. There are normally 25 lines in a span group.
- LINE STATUS - This field will indicate if the line is working, spare, pending add, or pending remove.

- ACT (ACTIVITY) - This field indicates the activity associated with the carrier/ circuit assigned to the span line, as specified when the CLO was created in the Generic Order Code (GOC) module of TIRKS.
- ALT (ALTERNATE) - Identifies a given assignment activity as an additional (or alternate) assignment that is effective only under certain conditions.
- If no discrepancies are found, the report will still be generated, but the only information will be the statement ‘‘NO ERRONEOUS LINE CACS FOUND’’.

```
                                  * * *  B I S  -  D R P  -  T / D I S  * * *

COMPANY:  BELLCORE TEST 4.1                                          RUN FOLDER:  YDTS2050
REPORT:  TS-ES01                                                     PROGRAM:  EXTRSPN  R-4.1
CONTROL DATE:  01/01/90                                              RUN DATE:  12/17/91 10.42.32
                                  SPAN DATA BASE LINE CAC INCONSISTENCY REPORT

 SGAC   TERMINAL A  TERMINAL Z   FACILITY   FACTYPE     FROM          TO          LINE      LINE   A  A
                                 DESIGNATION            LINE          LINE        NUMBER    STATUS C  L
                                                                                                  T  T

  NO ERRONEOUS LINE CACS FOUND

                                          * * *  END OF REPORT  * * *
                                              BELLCORE NOTICE
                                DISTRIBUTION LIMITED TO BELLCORE AND REGIONAL BELL COMPANIES
```

Figure 205-2. Span Database Line CAC Inconsistency Report: TS-ES01

205.4.2 Span Database CAC Inconsistency Report: TS-ES02

If there is a primary working assignment, there should be a CAC. However, if a primary working assignment exists and there is no CAC, this report will provide the necessary information for the TIRKS personnel to correct the database.

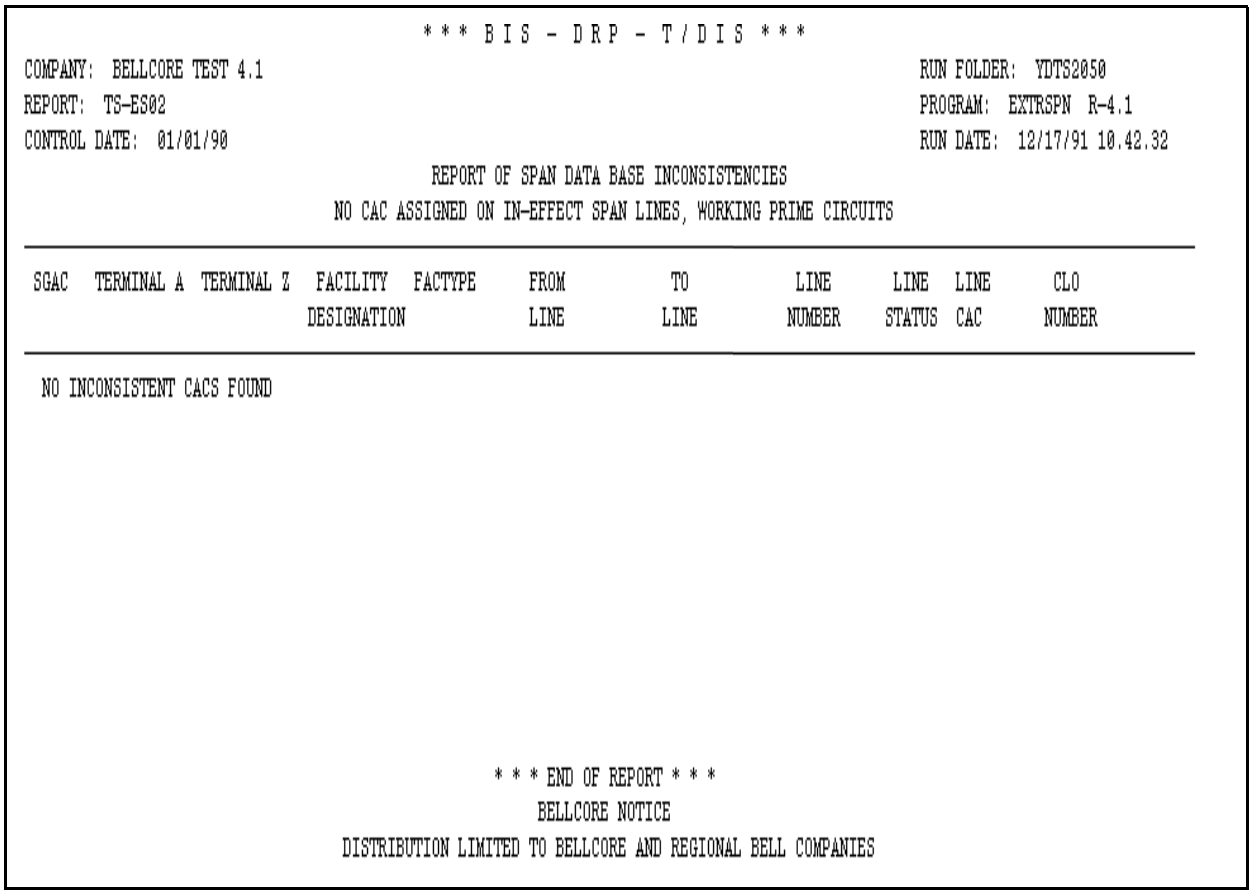
The heading of the report will contain the following information:

- In the upper left-hand corner: company name, report name, and control date.
- In the upper right-hand corner: the run folder number, program name/TDIS release number, and run date. The TDIS release number indicates the last time this procedure was changed.

Refer to the current SRD to validate this information.

The report will be titled ‘‘Span Database Inconsistencies’’. The report body will contain the following information, if inconsistencies are found:

- SGAC - This is the Span Group Access Code (SGAC).
- TERMINAL A - This is the originating office/location of the span line.
- TERMINAL Z - This is the terminating office/location of the span line.
- FACILITY DESIGNATION (FAC DES) - This is the number of the span line. Normally, span line numbers begin with 100, 1000, or locally established numbering plans.
- FACILITY TYPE (FAC TYPE) - This is an alphanumeric description of the span line, i.e., T1S.
- FROM LINE (FROM/TO LINE) - This is a two-part field in TIRKS on the Span Line Header. The ‘‘From Line’’ is the first segment of the files for the first line within the specified range.
- TO LINE (FROM/TO LINE) - This is a two-part field in TIRKS on the Span Line Header. The ‘‘To Line’’ is the second segment of the files for the last line within the specified range.
- LINE NUMBER (LINE) - This is the unique sequential identifying number for a specific span line within a span group. There are normally 25 lines in a span group.
- LINE STATUS - This field will indicate if the line is working, spare, pending add, or pending remove.
- LINE CAC - This field will contain the CAC for the span line.
- CLO Number - This is the TIRKS-generated Circuit Layout Order.
- If no discrepancies are found, the report will still be generated, but the only information will be the statement ‘‘NO INCONSISTENT CACS FOUND’’.



```
                                  * * *  B I S  -  D R P  -  T / D I S  * * *

COMPANY:  BELLCORE TEST 4.1                                          RUN FOLDER:  YDTS2050
REPORT:  TS-ES02                                                     PROGRAM:  EXTRSPN  R-4.1
CONTROL DATE:  01/01/90                                              RUN DATE:  12/17/91 10.42.32

                                  REPORT OF SPAN DATA BASE INCONSISTENCIES
                          NO CAC ASSIGNED ON IN-EFFECT SPAN LINES, WORKING PRIME CIRCUITS

 SGAC   TERMINAL A  TERMINAL Z   FACILITY   FACTYPE     FROM          TO          LINE      LINE   LINE      CLO
                                 DESIGNATION            LINE          LINE        NUMBER    STATUS CAC       NUMBER

 NO INCONSISTENT CACS FOUND

                                          * * *  END OF REPORT  * * *
                                                BELLCORE NOTICE
                                  DISTRIBUTION LIMITED TO BELLCORE AND REGIONAL BELL COMPANIES
```

Figure 205-3. Span Database CAC Inconsistency Report: TS-ES02

205.4.3 Audit Report: TS-EDP

The audit report summarizes the input and output activities for the YDTS205 process. The major items on this report and the audit checks that are to be made are as follows:

An ‘‘image’’ of the TDIS Table on-line card input and associated error messages will be reflected immediately below the ‘‘Card Column’’ line. The following error messages may be encountered:

5A - Indicated Field Is Invalid
The data in question will be underlined to assist the user in initiating necessary corrections.

5B - Required Field Is Missing
The input card is lacking data necessary to initiate the process. A corrected input card is required to restart the process.

The control date and CPU ID are reprinted immediately below the image of the ET card.

The major items on this report and audit checks that should be made are

Counts of TRS database segments read, per segment type and total
The counts of TRS database segments read should match the corresponding counts of segments written from the processing summary of the TIRKS run ZRF1C30, which generated the interface tape.

Counts of IN-EFFECT line segments used

Counts of pending ADD line segments used

Counts of working prime line segments read

Counts of multiple working prime span line segments read
The first assignment is not part of this count.

Count of segments with inconsistent CAC codes

Counts of SPARE SPAN conversion records written

Counts of TOTAL SPAN conversion records written.

```
                                        * * * B I S  -  D R P  -  T D I S  * * *
COMPANY:  EAM PERSONAL TDIS-TBL SYSTEM  (CB)                                          RUN FOLDER:  YDTS205
REPORT:  TS-EDP                                                                       PROGRAM:  EXTRSPN   R-5.4
CONTROL DATE:  02/17/95                                                               RUN DATE: 05/16/95  14:09:32
                                          EDP PROGRAM SUMMARY AND AUDIT REPORT        PAGE 1
                                                  SPAN DATA EXTRACT


                                1        2        3        4        5        6        7        8    ERROR
          CARD COLUMNS   12345678901234567890123456789012345678901234567890123456789012345678901234567890    MESSAGES
                          2050 101294

            CONTROL DATE: 021795 CB CB


                           TIRKS SPAN (ZRRSPNSS) SEGMENTS READ: RF1SPN1 (HEADER)     =              198
                                                                RF1SPN2 (LINE)       =            3,110
                                                                RF1SPN3 (ACTIVITY)   =            3,583

                                                                TOTAL                =            6,891


                                IN EFFECT   SEGMENTS USED RF1SPN2 (LINE)             =            2,194
                                PENDING ADD SEGMENTS USED RF1SPN2 (LINE)             =              916
                                WORKING & PRIME SEGMENTS RF1SPN3  (ACTIVITY)         =              235
                                    DUPLICATE WORKING PRIME SEGMENTS                 =            0
                                    SEGMENTS WITH INCONSISTENT CAC CODES             =            0

                                                                 TOTAL               =            3,345

                               SPARE SPAN CONVERSION RECORDS WRITTEN                 =            2,875

                               TOTAL SPAN CONVERSION RECORDS WRITTEN                 =            3,110




MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID
   5B - REQUIRED FIELD IS MISSING
                                                * * * * * *  END OF REPORT  * * * * * *

                                                        BELLCORE NOTICE
```

Figure 205-4. Audit Report: TS-EDP

205.5 Abnormal Termination

Condition Code 16
Condition Code 16, consisting of the following situations, will result in termination of the process:

If the TIRKS Creation Date specified on the control card panel TDIS Table on-line does not match the Creation Date on the TIRKS interface tape by plus or minus one day, the message ‘‘Creation Date Does Not Match Creation Date on Tape (MMDDYY)’’ is printed on the TS-EDP report or the wrong TIRKS tape has been accessed. A new input card or TIRKS tape containing the correct information is required to restart the process.

If either the card ID, request name, or the creation date (of the parameter card input from the Online Table Update) is missing or invalid, the invalid or blank field will be underlined and a message code of 5A or 5B will be reflected on the EDP report. A notation of ‘‘Input Control Card Missing or Invalid, Processing Terminated’’ is also printed on the EDP report. To restart the process, check with local EDP personnel to make sure that the procedure is pointing to the proper online table input.

215. YDTS215 - Extract TIRKS SONET Circuit Activity Data

215.1 General Description

This procedure reads a tape copy of the TIRKS SONET Carrier Identification Database (SCID) (TIRKS job ZRE1C18) and the TIRKS SONET Circuit Activity Database (SCAD) (TIRKS job ZRE1C19) to create the TDIS output file SONET DRP Facility Details File (SFACDTLS). The SFACDTLS file created by this process will be used in the YDTS220 procedure.

Descriptions of the YDTS215 and YDTS216 programs are provided below. Both these programs generate audit reports that will be discussed in Sections 215.4 and 215.4.3.

YDTS215

This program reads a tape copy of the TIRKS SONET Circuit Activity database (SCAD) and produces an Extracted SCAD Data File (EXTSCAD). It first compares the TRS Creation Date provided by the user in a parameter card (YDZ215A) from the on-line tables control panel to the TIRKS date record internal to the file. If these dates are within the range of plus or minus one day, processing will continue. If the dates exceed this range, processing will be terminated. This date check is to ensure that the proper tapes are being accessed.

The following information is extracted from the TIRKS SCAD database:

- **SCID Code** - SONET Carrier Identifier
- **CAC** - Circuit Access Code
- **Terminal Location A** - the originating location of a circuit for path 1 of 2.
- **Terminal Location A** - the originating location of a circuit for path 2 of 2.
- **Terminal Location Z** - the terminating location of a circuit for path 1 of 2.
- **Terminal Location Z** - the terminating location of a circuit for path 2 of 2.
- **East/West Indicator A** - direction of the circuit for path 1 of 2.
- **East/West Indicator A** - direction of the circuit for path 2 of 2.
- **East/West Indicator Z** - direction of the circuit for path 1 of 2.
- **East/West Indicator Z** - direction of the circuit for path 2 of 2.
- **Time Slot Activity** - code represents past, present, or future status or work activities performed on a circuit

- **Transmission Rate Code** - VT rate being supported
- **Transmission Rate Number** - time slot number.
- **CKTID** - Circuit identification
- **D_C_Usage-A** - identifies how an ADM is used for path 1 of 2: Primary drop port, secondary drop port, dual homing port.
- **D_C_Usage-A** - identifies how an ADM is used for path 2 of 2: Primary drop port, secondary drop port, dual homing port.
- **D_C_Usage_Z** - identifies how an ADM is used for path 1 of 2: Primary drop port, secondary drop port, and dual homing port.
- **D_C_Usage_Z** - identifies how an ADM is used for path 2 of 2: Primary drop port, secondary drop port, and dual homing port.
- **Node_ID_A** - Uniquely identifies each ADM within an SCID for path 1 of 2.
- **Node_ID_A** - Uniquely identifies each ADM within an SCID for path 2 of 2.
- **Node_ID_Z** - Uniquely identifies each ADM within an SCID for path 1 of 2.
- **Node_ID_Z** - Uniquely identifies each ADM within an SCID for path 2 of 2.
- **Link_Side_A** - Indicates which side of an optical link terminal location A can be found for path 1 of 2.
- **Link_Side_A** - Indicates which side of an optical link terminal location A can be found for path 2 of 2.
- **Link_Side_Z** - Indicates which side of an optical link terminal location A can be found for path 1 of 2.
- **Link_Side_Z** - Indicates which side of an optical link terminal location A can be found for path 2 of 2.
- **Assigned_Lps** - indicates whether or not Low Priority Service is assigned.
- **VT_Group_Code** - The translated value of transmission rate code using TTS table SONET TRC.

YDTS216

This procedure reads a tape copy of the TIRKS SONET Carrier Identification data (SCID) and the Extracted SCAD data file created by YDTS215 to produce the SONET DRP Facility Details File (SFACDTLS). It first compares the TRS Creation Date provided by the user in a parameter card (YDZ215B) created in the on-line tables to the TIRKS date record internal to the file. If these dates are within the range of plus or minus one day, processing will continue. If the dates exceed this range, processing will be terminated. If

these are within range, it continues to compare the SCAD database creation date to the SCID database creation date. If the difference is within plus or minus seven days, processing will continue. If the dates exceed this range, processing will be terminated.

The following information is extracted from the TIRKS SCID database:*

- **SCID Code** (SONET Carrier Identifier)
- **Topology (Top)** - indicates physical layout of SONET Carrier - R (ring), C (chain)
- **Protection Code (Prot)** - protection method of SONET Carrier - S (standard), 2B (2 wire bidirection), 4B (4 wire bidirection), etc.
- **Circuit Activity (Activity)** - W (working), A (add), etc.
- **Facility Location A** (Location)
- **Facility Location Z** (Location)
- **Equipment Location A** (Equipment)
- **Equipment Location Z** (Equipment)
- **DR Group Code** (DR Group)
- **Record Type in Facility Key** - TIRKS internal record key
- **Facility Type in Facility Key** - TIRKS internal record key
- **Facility Designation in Facility Key** - TIRKS internal record key
- **Header Sequence Number in Facility Key** - TIRKS internal record key.
- **Node_ID_A** - uniquely identifies each ADM within an SCID
- **Node_ID_Z** - uniquely identifies each ADM within an SCID
- **Direction#1** - Indicates if location A comes first or second in the transmission sequence for this optical link.
- **Direction#2** - Indicates if location Z comes first or second in the transmission sequence for this optical link.

Additional descriptive information on the above fields may be obtained from *TIRKS System Documentation Format/Field Directory* (BR 756-551-790).

* Items in parentheses indicate where the term can be looked up in the *TIRKS Format/Field Directory* (BR 756-551-790).

215.2 Program Flow Diagrams

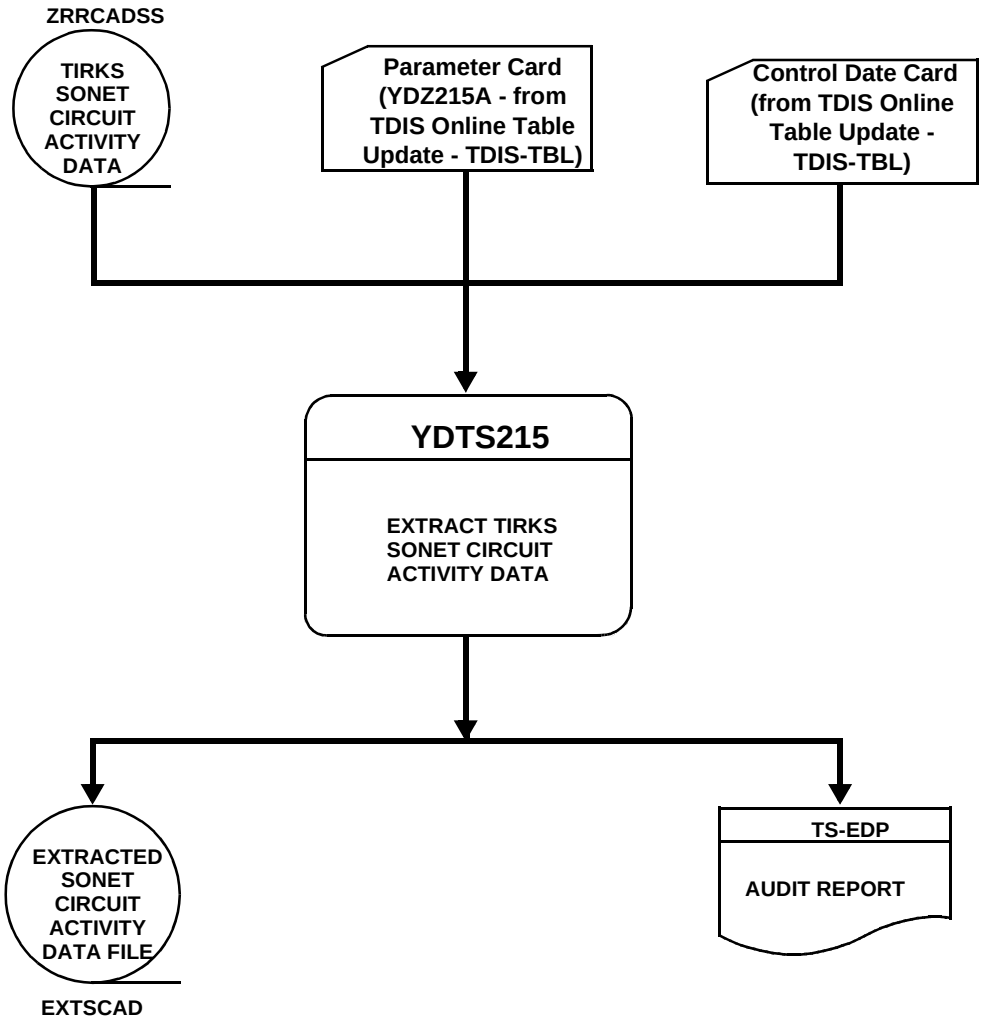


Figure 215-1. YDTS215 Program Flow Diagram

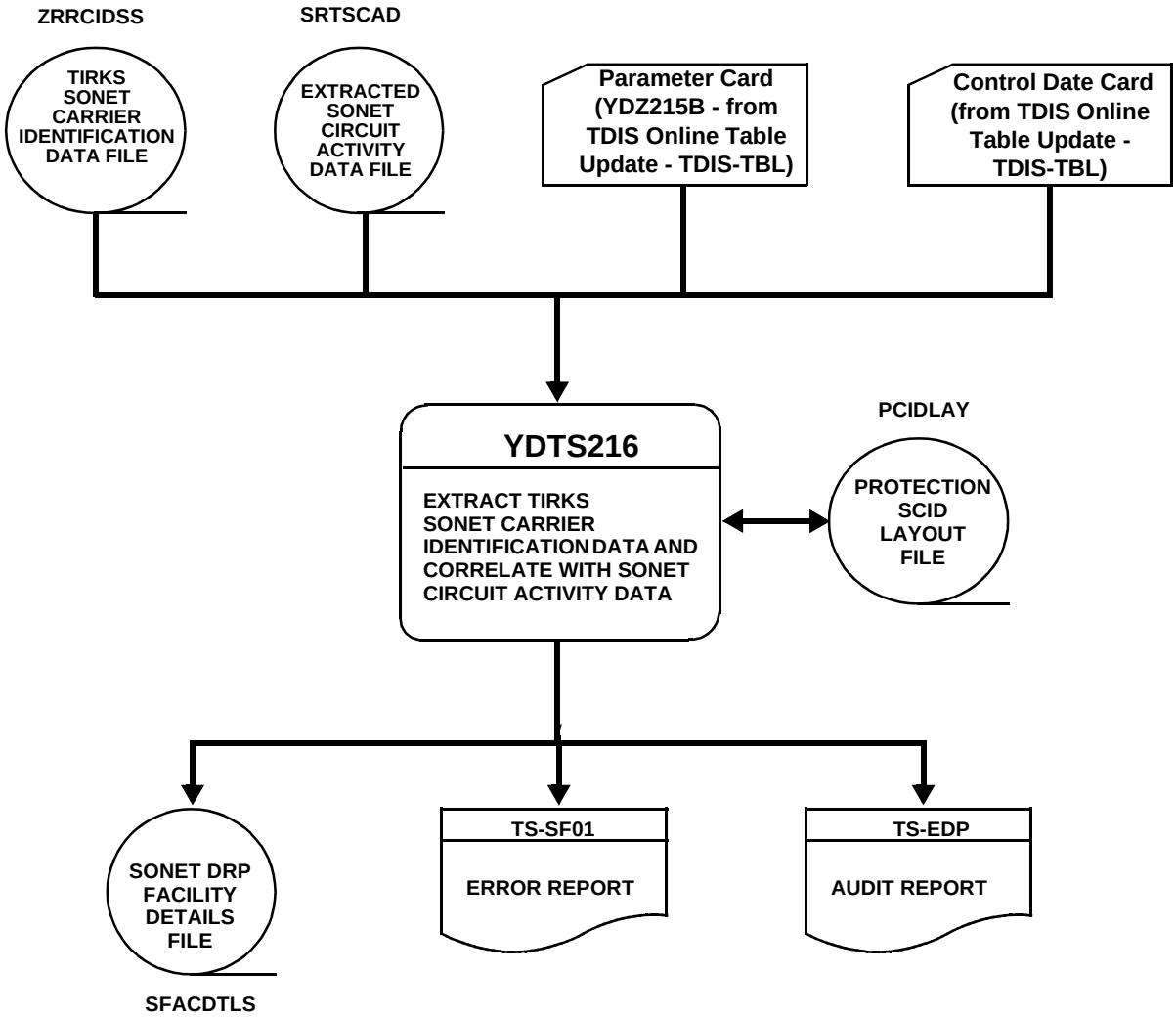


Figure 215-2. YDTS216 Program Flow Diagram

215.3 Inputs

215.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date this procedure is to be executed.
2. RUN SEQUENCING REQUIREMENTS - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B contains job sequencing requirements.
3. TAPE IDENTIFICATION (VOLSER) - The identification number generated when the interface was created by the TIRKS process.
4. PARAMETER CARDS - YDZ215A and YDZ215B

   Use the TDIS Online Table Update System (TDIS-TBL) to create the YDZ215A and YDZ215B parameter cards. (Refer to BR 759-200-003, *TDIS-TBL Online Update User Guide*, for more information about TDIS-TBL.) Each card contains the Run Code (YDZ215A or YDZ215B) and the Database Creation Date (SCAD or SCID).

   The SCAD database creation date provided to the YDZ215A parameter card is external to the SCAD database file and must be within the range of plus or minus one day. The SCID database creation date provided to the YDZ215B parameter card is external to the SCID database file and must be within the range of plus or minus one day. Use the TDIS On-Lines Tables to set this to the correct value.
5. RECIPIENT OF OUTPUT - Name and address of person(s) to whom the processed reports are to be delivered.

There are no user options associated with this procedure.

> **NOTE —** Maintenance of the control card for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL).

215.4 Outputs

YDTS215 Report

The extracted SONET Circuit Activity Data File, created by YDTS215, is an input to YDTS216. There is no paper report associated with this file.

215.4.1 Audit Report: TS-EDP

The audit report summarizes the input and output activities for the YDTS215 process.

The header of the report will contain the following information:

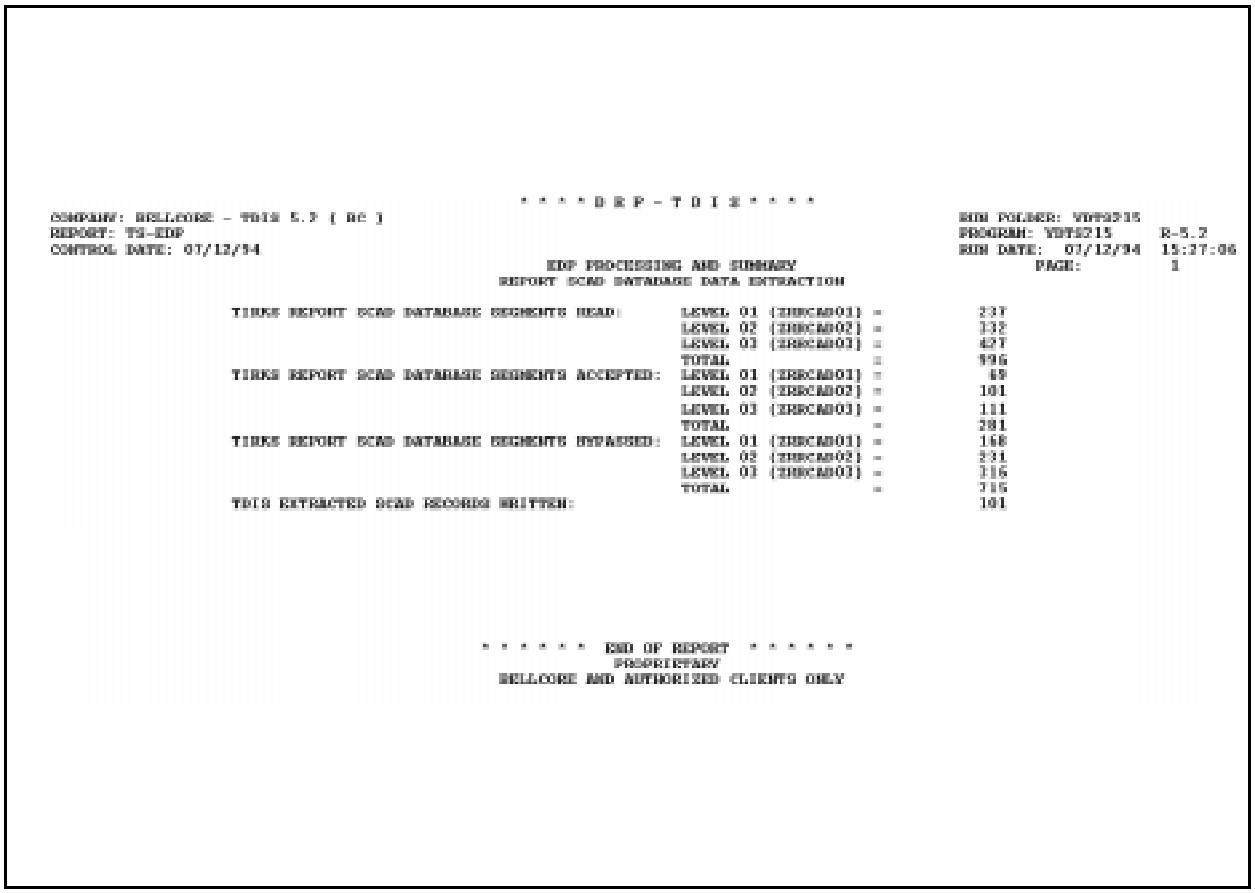
- In the upper left-hand corner: company name, report name, and control date.
- In the upper right-hand corner: the run folder, program name/TDIS release number, and run date. The TDIS release number indicates the last time this process was changed.

Refer to the current SRD to verify this data.

The major items on this report and audit checks that should be made are as follows:

- **Counts of TIRKS SCAD Database Segments Read, per segment type and total**
- **Counts of TIRKS SCAD Database Segments Accepted, per segment type and total**
- **Counts of TIRKS SCAD Database Segments Bypassed, per segment type and total**
  The total number of segments bypassed plus the total number of segments accepted should be equal to the total number of segments read.
- **Number of Extracted SCAD File Records Written**
  This count should be equal to the number of Level 2 segments accepted from the SCAD database.

Should any of the above checks fail, detailed analysis and corrective action must be initiated.



```
                                    * * * * D E P - T D I S * * * *
COMPANY: BELLCORE - TDIS 5.? [ BC ]                                  RUN FOLDER: YDTS215
REPORT: TS-EDP                                                       PROGRAM: YDTS215      R-5.2
CONTROL DATE: 07/12/94                                               RUN DATE:  07/12/94   15:27:06
                                                                           PAGE:           1
                                        EDP PROCESSING AND SUMMARY
                                    REPORT SCAD DATABASE DATA EXTRACTION

      TIRKS REPORT SCAD DATABASE SEGMENTS READ:      LEVEL 01 (ZHRCAD01) =      237
                                                     LEVEL 02 (ZHRCAD02) =      332
                                                     LEVEL 03 (ZHRCAD03) =      427
                                                     TOTAL               =      996
      TIRKS REPORT SCAD DATABASE SEGMENTS ACCEPTED:  LEVEL 01 (ZHRCAD01) =       69
                                                     LEVEL 02 (ZHRCAD02) =      101
                                                     LEVEL 03 (ZHRCAD03) =      111
                                                     TOTAL               =      281
      TIRKS REPORT SCAD DATABASE SEGMENTS BYPASSED:  LEVEL 01 (ZHRCAD01) =      168
                                                     LEVEL 02 (ZHRCAD02) =      231
                                                     LEVEL 03 (ZHRCAD03) =      316
                                                     TOTAL               =      715
      TDIS EXTRACTED SCAD RECORDS WRITTEN:                                      101


                                    * * * * * *  END OF REPORT  * * * * * *
                                              PROPRIETARY
                                    BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 215-3. Audit Report - YDTS215: TS-EDP

YDTS216 Reports

215.4.2 SONET Facility Details File Creation Error Report: TS-SF01

This report lists the errors encountered during the creation of the SONET DRP Facility Details File.

The following message codes may be encountered:

- **3P - Cannot Find the LOC A or LOC Z of a Circuit in the Corresponding SCID Record** - In a chain configuration, if the LOC Z of a circuit exists in the corresponding SCID record, but is not located in the direction (west/east) specified by the circuit record, this message code will also be generated.
- **3Q - No 02 Segment (ZRRCID02) Found Under a SCID 01 Segment (ZRRCID01) in the SONET Carrier Identification Database**
- **3R - The Circuit Type of a SCAD Record is not ‘‘C’’ or ‘‘S’’**
- **3S - The SCID Code of a Circuit in the SCAD Database Does Not Exist in the SCID Database.**
- **3T - A 4B service SCID exists without a protection SCID.**
- **3U -A protection service SCID exits without a service.**

When these errors are encountered, the related data is discarded and key information is reported on this Error Report (TS-SF01).

The header of the report will contain the following information:

- In the upper left-hand corner: company name, report name, and control date.
- In the upper right-hand corner: the run folder, program name/TDIS release number, and run date. The TDIS release number indicates the last time this process was changed.

Refer to the current SRD to verify this data.

The column headings and content are as follows:

DESCRIPTION OF ‘‘1’’ LINE HEADINGS

- SCID Code - SONET Carrier Identifier
- CAC - Circuit Access Code
- Circuit ID
- Terminal Location A - the originating location of a circuit
- Terminal Location Z - the terminating location of a circuit
- East/West Indicator of Location A

- East/West Indicator of Location Z
- Transmission Rate Code
- Transmission Rate Number
- Error Message Code - 3P, 3R, or 3S.

DESCRIPTION OF ‘‘2’’ LINE HEADINGS

- SCID Code - SONET Carrier Identifier
- Typology
- Protection
- Error Message Code - 3Q, 3T, 3U

```
COMPANY: BELLCORE - TDIS 5.2   ( BC )                                                                        RUN FOLDER: YDTS215
REPORT: TS-SF01                                                                                              PROGRAM: YDTS216     R-5.2
CONTROL DATE: 07/12/94                                                                                       RUN DATE:  07/12/94  16:27:15
                                              SONET FACILITY DETAIL CREATION ERROR REPORT                    PAGE:          5
                                                                                             E/W  E/W                   TRANS
1  SCID                                                                ADD DROP    ADD DROP      IND  IND  TRANS        RATE    ERROR
   CODE    CAC       CIRCUIT ID                                        LOCATION A  LOCATION Z     A    Z   RATE CODE    NUM     MESSAGES
   ------  --------  ------------------------------------------------  ----------  ----------   ---  ---  ---------    -----   --------
2  SCID
   CODE    TOPOLOGY  PROTECTION
   ------  --------  ----------

1  NFEPA1  CMN4CF5   NT301/T3    /BLTMMDFR   /BLTMMDLB                 BLTMMDDT    BLTMMDLB       E    W   STS1         2       3S
2  NLEAP2     C           S                                                                                                     3Q
1  NODED1  CMN4HK7   444   /T1   /MCHVVAMVWO1/SNTHVASSWO1              MCHVVAMVWO1 SNTHVASSWO1    W    E   VT1.5        111     3P
1  NODCD1  CMN4HQ0   174   /T1   /MCHVVAMVWO1/SNTHVACCWO1              MCHVVAMVWO1 SNTHVACCWO1    W    E   VT1.5        174     3"


                                             * * * * * *  END OF REPORT  * * * * * *
                                                          PROPRIETARY
                                              BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 215-4. SONET Facility Detail Creation Error Report: TS-SF01

215.4.3 Audit Report: TS-EDP

The audit report summarizes the input and output activities for the YDTS216 process.

The header of the report will contain the following information:

- In the upper left-hand corner: company name, report name, and control date.
- In the upper right-hand corner: the run folder, program name/TDIS release number, and run date. The TDIS release number indicates the last time this process was changed.

Refer to the current SRD to verify this data.

The first page of the EDP report contains the CPU processing information produced by the HDRCHK routine. The second page contains the following information:

- **Counts of TIRKS SCID Database Segments Read, per segment type and total**
- **Counts of TIRKS SCID Database Segments Accepted, per segment type and total**
- **Counts of TIRKS SCID Database Segments Bypassed, per segment type and total**
  The total number of segments bypassed plus the total number of segments accepted should be equal to the total number of segments read.
- **Number of SONET DRP Facility Detail Records Written.**

```
COMPANY: TDIS REL 5.2 UNIT TEST   ( BC )                                                               RUN FOLDER: YDTS215
REPORT: TS-EDP                                                                                         PROGRAM: YDTS216 R-5.2
CONTROL DATE: 06/21/94                                                                                 RUN DATE: 07/07/94 15:45:33
                                               EDP PROCESSING AND SUMMARY                              PAGE:          2
                                           CREATE SONET FACILITY DETAILS FILE

           TIRKS REPORT SCID DATABASE SEGMENTS READ:      LEVEL 01 (ZRRCID01) =          125
                                                          LEVEL 02 (ZRRCID02) =          400
                                                          TOTAL               =          525

           TIRKS REPORT SCID DATABASE SEGMENTS ACCEPTED:  LEVEL 01 (ZRRCID01) =          124
                                                          LEVEL 02 (ZRRCID02) =          395
                                                          TOTAL               =          519

           TIRKS REPORT SCID DATABASE SEGMENTS BYPASSED:  LEVEL 01 (ZRRCID01) =            1
                                                          LEVEL 02 (ZRRCID02) =            5
                                                          TOTAL               =            6

           TDIS SONET FACILITY DETAILS RECORDS WRITTEN:                                  219



                                       * * * * * *  END OF REPORT  * * * * * *
                                                   PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 215-5. Audit Report - YDTS216: TS-EDP

215.5 Abnormal Termination

The following situations will result in termination of the process:

Condition Code 2007 - No Header Record Found For File Name

This condition code may be the result of improper sort of data, the program not starting at the first tape, the prior program not completing correctly, or other processing malfunctions.

Condition Code 2009 - Invalid Header Record

This condition code may indicate that there is a mismatch on the CPU ID between the input card and the data being accessed, that the control data does not match the header record, or that the header record date is outside the range dictated by TDIS logic.

Condition Code 2050 - Bad Status Code Returned From an IMS DLI Call

After an IMS DLI call is issued to retrieve a database segment, the program determines whether the retrieval was successful by examining the Status Code field in the Program Communication Block (PCB). If the status code is bad, error message 2050 is generated and the process is terminated.

Condition Code 2051 - Invalid Segment Type returned from an IMS DLI Call

After an IMS DLI call is issued to retrieve a database segment, the the segment type of that retrieved segment is returned to PCB. If the segment type returned from a DLI is invalid, then error message 2051 is generated and the process is terminated.

220. YDTS220 - Create DRP Facility Details and DRP Facility Summary Files

220.1 General Description

The YDTS220 procedure creates the Facility Details File (FACDTLS) and the Facility Summary File (FACSUM). The inputs to this process are: TIRKS Tie Cable (ZRRTCBSS), Cable (ZRRTCXSS), and Carrier (ZRRCXRSS) HSAM Database files (from TIRKS Jobs ZRTCC01, ZRTCC11, and ZRF1M06, respectively); the AAEXCL, CHBANK, CXRTECH, DRDD, GRPCODE, HECIG, LATA, and TIEXCPT tables; the SPANCAC VSAM file; the SONET Facility Details file (SFACDTLS), and the HIDRCKT file from YDTS200.

This program's output is used in downstream processing in YDTS290.

This program first compares the TRS Creation Date, provided by the user on the on-line tables control panel, with the TIRKS date record found in each of the databases and the SONET Facility Details File. If the user-entered date and the TIRKS dates are within the range plus or minus 1days, processing will continue. If the dates are outside this range, processing will be terminated until a corrected extract date is submitted. The plus or minus 1-day requirement is an audit check to ensure that the proper tapes are being accessed. A second check is done to ensure that the data being processed is from the same time period. This check compares the dates from all the input databases and ensures that they are in a range of 7 days. This additional audit check ensures that the data is close enough to provide valid data for the studies.

If a line CAC translation is done and the replacement CAC field value is equal to '**SPARE', that unit is identified as spare. Thus reducing the # of 3L errors reported.

The following fields are extracted from the TIRKS Cable Details Report Database (ZRRTCXSS), the TIRKS Tie Cable Details Report Database (ZRRTCBSS), and the TIRKS Carrier Details Report Database (ZRRCXRSS):

FIELDS COMMON TO ALL FACILITIES

- Terminal Location A - Originating location of facility
- Terminal Location Z - Terminating location of facility
- Minimum Service Charge (MSC) Flag - L, M, or blank
- Leased To - Company facility is leased to, if applicable
- Leased From - Company facility is leased from, if applicable
- DR Group Code - I, E, S, T, etc.

- Assignment Restriction - JMP (jumpered), DEF (defective), etc.
- Assignment Activity - W, $ (spare), etc.
- Multiwire Indicator - 2, 4, blank
- CAC - Circuit Access Code
- DR Facility Class Code - IG, UR, etc.
- CLO Due Date - MM/DD/YY
- DR Flag - Y - Yes, N - No or blank
- Alternate Indicator - A or blank.

FIELDS UNIQUE TO CABLE

- Cable Number - Alpha/numeric identification of cable
- Last Pair Number - Number of last pair in complement
- Inventory Status Code - IE, PA, etc.
- Cable Pair Number - Actual pair number, i.e., 0001.

FIELDS UNIQUE TO CARRIER

- Facility Designation - Numeric designation of the carrier, i.e., 101
- Facility Type - T1, T1C, etc.
- Leased to Channel - Company channel is leased to, if applicable
- Leased From Channel - Company channel is leased from, if applicable
- DDS Flag - Y - Yes, N - No or Blank
- E1 Retrieval Flag - Y - Yes, N - No or Blank
- Channel Bank A HECI - Description of equipment at Location A
- Channel Bank Z HECI - Description of equipment at Location Z
- Channel Number - Actual channel number, i.e., 00001
- Channel Speed - Three alpha characters from A through U
- Terminal Location A2 - Secondary originating location of facility (only populated on carriers that are path of a carrier network)

- Terminal Location Z2 - Secondary terminating location of facility (only populated on carriers that are path of a carrier network)
- Path ID - 1- Path 1, 2 - Path 2 or Blank (not part of a carrier network).
- Service Indicator - (A - ATM support carrier)

Additional descriptive information regarding the content of the fields discussed above may be found in BR 756-551-790.

220.2 Flow Diagram

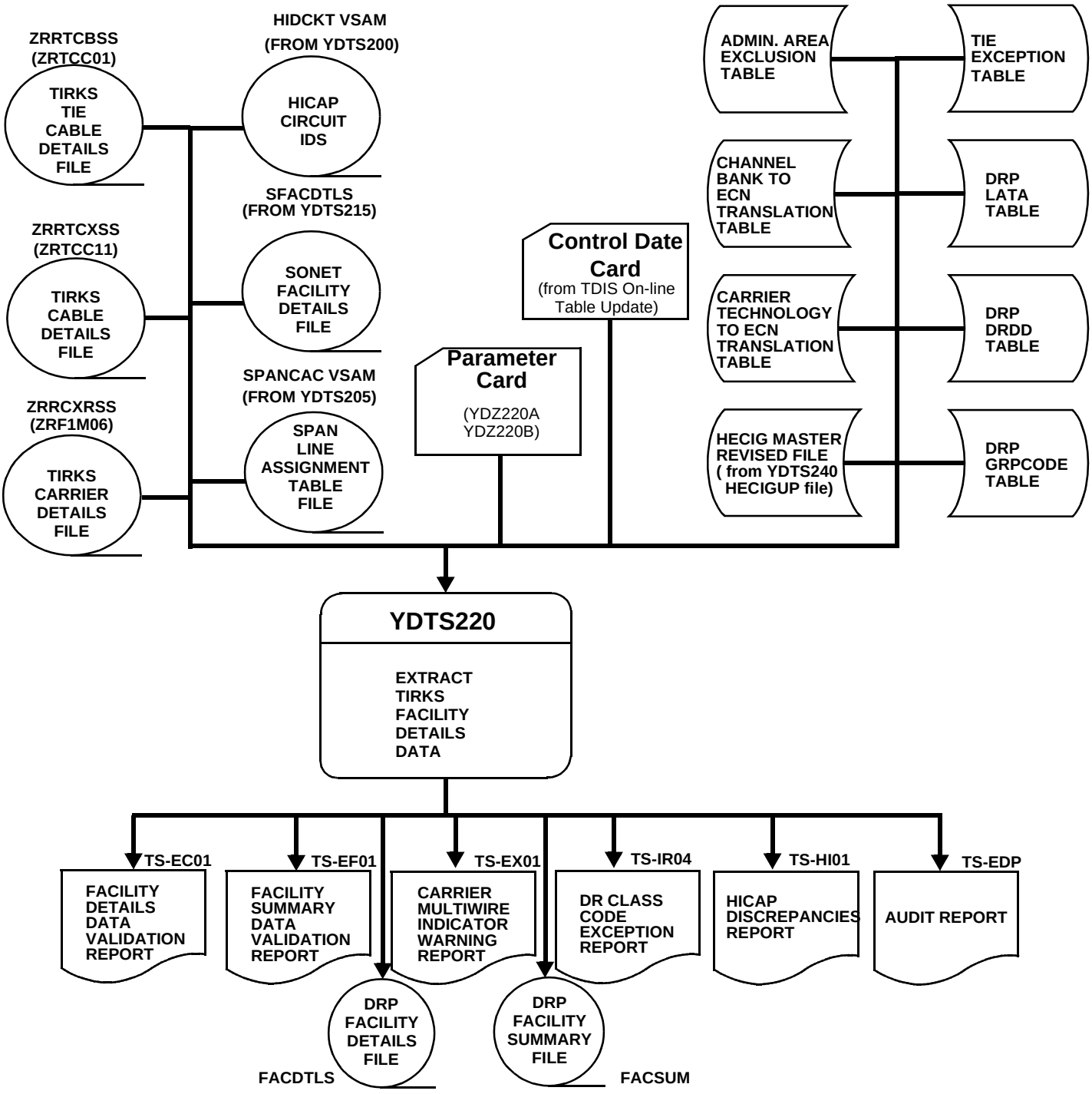


Figure 220-1. YDTS220 Program Flow Diagram

220.3 Inputs

220.3.1 Transmittal to Request the Run

The following information must be supplied on the YDTS220 transmittal form:

1. RUN DATE - Specify the date this procedure is to be initiated.
2. RUN SEQUENCE REQUIREMENTS - If more than one run has been requested, it is necessary to specify the order in which each run should be processed. Section B contains job sequencing requirements.
3. TAPE IDENTIFICATION - Enter the VOL=SER number generated during the processing cycle.
4. RECIPIENT OF OUTPUT - Name and address of person(s) to whom the processed reports are to be directed.

There are no user options associated with this procedure.

> **NOTE —** Maintenance of the control cards for this procedure is now done by the TDIS On-line Tables Update Facility (TDIS-TBL).

220.3.2 Input Cards

Parameter Card - This is created using the TDIS On-Lines Tables.

Control Date Card - Use the TDIS On-Lines Tables to set this to the correct value.

220.3.3 Input Databases, Files, and Tables

The input databases, files, and tables are as follows:

- ZRRTCBSS - Tie Cable Details Report Database
- ZRRTCXSS - Cable Details Report Database
- ZRRCXRSS - Carrier Details Report Database
- SFACDTLS - SONET Facility Details File
- Span Line Assignment Table File
- HICAP CIRCUIT IDS
- AAEXCL Table

- DRP DRDD Table
- DRP LATA Table
- DRP GRPCODE Table
- Channel Bank to ECN Translation Table
- Carrier Technology to ECN Translation Table
- HECIG to ECN Translation Table
- TIE Exception Table.

220.4 Outputs

The output files are as follows:

- FACDTLS - Facility Details File
- FACSUM - Facility Summary File.

220.4.1 Facility Details Data Verification Report - Data Analysis Information: TS-EC01

This report lists cable and carrier facility units for which the data received from TIRKS is invalid, inconsistent, or incomplete.

Facility units are listed on this report for the following reasons:

- Circuit ID Cannot Be Translated or Blank CAC (Message Code 3A)
- Past Due Disconnect (Message Code 3B)
- SPANCAC Could Not Be Translated (Message Code 3L)
- Invalid Assignment Subdivision on a Cable/Tie Unit (Message Code 3X).

The header of the report will contain the following information:

- In the upper left-hand corner: the company name, report name, and control date.
- In the upper right-hand corner: the run folder, program name/TDIS release number, and actual run date. The TDIS release number indicates the last time this procedure was changed.

Refer to the current SRD to verify this data.

The facilities in question will be described under the following column headings:

- CAC - The CAC of the cable or carrier actually assigned to the facility unit.

- CXE IND - This column will contain either ‘‘C’’ for cable or ‘‘X’’ for carrier.
- FACILITY IDENTIFICATION
  - — TERMINAL LOCATION A - The originating office/location of the facility. This will always be the low alpha location based on the first eight characters of the CLLI.
  - — TERMINAL LOCATION Z - The terminating office/location of the facility. This will always be the high alpha location based on the first eight characters of the CLLI.
- CABLE#/FAC DES - If the unit in question is a cable pair, the associated cable number will be reflected in this column. If the unit in question is a carrier system, the carrier facility designation number will be reflected in this column.
- LASTPAIR/FAC TYPE - If the unit in question is associated with a cable, the last pair in the cable complement will be reflected in this column. If the unit is associated with a carrier system, the TIRKS Facility Type will be reflected in this column.
- PAIR/UNIT # - This column will reflect the actual cable pair or carrier channel in question.
- MESSAGE CODES
  - — 3A - Circuit ID Cannot Be Translated or Blank CAC
  - — 3B - Past Due Disconnect
  - — 3L - SPANCAC Could Not Be Translated
  - — 3X - Invalid Assignment Subdivision on a Cable/Tie Unit.

The last page of the TS-EC01 report is the processing summary. The various items are listed under the subheadings of Tie-Cable, Cable, Carrier, SONET, and Total.

- **Total TIRKS Facilities Processed**
  These values will reflect the count of complements found in the tie-cable, cable, and carrier details report databases.
- **Total TIRKS Facility Units Processed: Working, Non Working, and Total.**
  This value will reflect the count of individual working and non-working units. The non-working units are subdivided into four categories (Spare [DR], Defective, Jumpered, Bulk Assigned), Total Non Working Units, and Total TIRKS Facility Units Processed.
- **Facility Details with Errors**
  This value reflects the number of facility units that encountered an error.

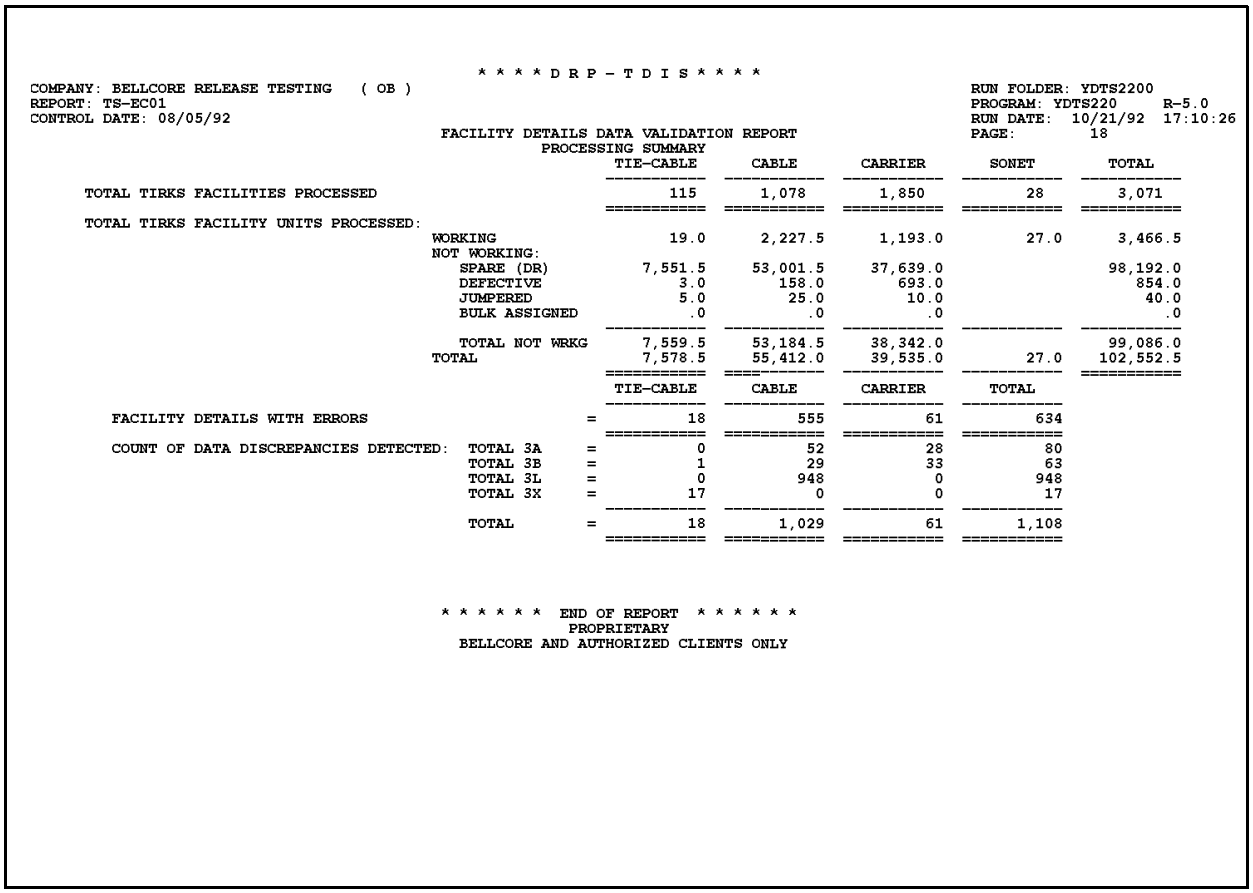
- **Count of Data Discrepancies Detected**
  This value reflects the number of errors (3A, 3B, 3L, and 3X) detected in each database.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                                     RUN FOLDER: YDTS220
REPORT: TS-EC01                                                                                      PROGRAM: YDTS220     R-7.0
CONTROL DATE: 03/24/97                                                                               RUN DATE:  05/02/97  07:40:35
                                             FACILITY DETAILS DATA VALIDATION REPORT                 PAGE:         1
                                                        TIE-CABLE DATABASE

                                       ----------- FACILITY IDENTIFICATION -----------
                             CXE   TERMINAL     TERMINAL     CABLE #/     LST PAIR/   PAIR /   MESSAGE
                    CAC      IND  LOCATION A   LOCATION Z   FAC DES      FAC TYPE    UNIT #    CODE
                    -------- ---  -----------  -----------  ----------   ---------   ------   -------
                              C   WHHSNJT3     WHHSNJT3     CDS23        00100       00052    3X
                              C   WHHSNJT3     WHHSNJT3     CDS23        00100       00052    3X
                              C   WHHSNJT3     WHHSNJT3     CDS23        00100       00052    3X
                              C   PISCNJMT     PISCNJMT     CDS12        00100       00054    3X
                              C   PISCNJMT     PISCNJMT     CDS12        00100       00054    3X
                              C   PISCNJMT     PISCNJMT     CDS12        00100       00054    3X
                              C   PISCNJMT     PISCNJMT     CDS23        00100       00051    3X
                              C   PISCNJMT     PISCNJMT     CDS23        00100       00051    3X
                              C   PISCNJMT     PISCNJMT     CDS23        00100       00051    3X
                              C   PISCNJMT     PISCNJMT     FX           00100       00052    3X
                              C   PISCNJMT     PISCNJMT     FX           00100       00052    3X
                              C   PISCNJMT     PISCNJMT     FX           00100       00052    3X
                              C   PISCNJMT     PISCNJMT     FX           00100       00052    3X
                    MMN4WU2   C   PISCNJMT     PISCNJMT     FX3          00100       00002    3B
                              C   SMVLNJMT     SMVLNJMT     TIE3         00020       00001    3X
                              C   SMVLNJMT     SMVLNJMT     TIE3         00020       00001    3X
                              C   SMVLNJMT     SMVLNJMT     TIE3         00020       00001    3X
                              C   SMVLNJMT     SMVLNJMT     TIE3         00020       00002    3X

                                                          PROPRIETARY
                                                 BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 220-2. Facility Details Data Validation Report: TS-EC01 (Data Page)



```
                                * * * * D R P - T D I S * * * *
COMPANY: BELLCORE RELEASE TESTING   ( OB )                                  RUN FOLDER: YDTS2200
REPORT: TS-EC01                                                             PROGRAM: YDTS220     R-5.0
CONTROL DATE: 08/05/92                                                      RUN DATE:  10/21/92  17:10:26
                                FACILITY DETAILS DATA VALIDATION REPORT     PAGE:        18
                                      PROCESSING SUMMARY
                                                TIE-CABLE     CABLE       CARRIER      SONET       TOTAL
                                                ----------  ----------  ----------  ----------  ----------
TOTAL TIRKS FACILITIES PROCESSED                       115       1,078       1,850          28       3,071
                                                ==========  ==========  ==========  ==========  ==========
TOTAL TIRKS FACILITY UNITS PROCESSED:
                                WORKING                19.0      2,227.5     1,193.0        27.0     3,466.5
                                NOT WORKING:
                                   SPARE (DR)       7,551.5     53,001.5    37,639.0                 98,192.0
                                   DEFECTIVE            3.0       158.0       693.0                   854.0
                                   JUMPERED             5.0        25.0        10.0                    40.0
                                   BULK ASSIGNED         .0          .0          .0                      .0
                                                ----------  ----------  ----------  ----------  ----------
                                   TOTAL NOT WRKG   7,559.5     53,184.5    38,342.0                 99,086.0
                                TOTAL               7,578.5     55,412.0    39,535.0        27.0   102,552.5
                                                ==========  ==========  ==========  ==========  ==========
                                                TIE-CABLE     CABLE       CARRIER      TOTAL
                                                ----------  ----------  ----------  ----------
  FACILITY DETAILS WITH ERRORS                =        18         555          61        634
                                                ==========  ==========  ==========  ==========
  COUNT OF DATA DISCREPANCIES DETECTED:  TOTAL 3A =     0          52          28         80
                                         TOTAL 3B =     1          29          33         63
                                         TOTAL 3L =     0         948           0        948
                                         TOTAL 3X =    17           0           0         17
                                                ----------  ----------  ----------  ----------
                                         TOTAL   =    18       1,029          61      1,108
                                                ==========  ==========  ==========  ==========


                                * * * * * *  END OF REPORT  * * * * * *
                                          PROPRIETARY
                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 220-3. Facility Details Data Validation Report: TS-EC01 (Processing Summary Page)

220.4.2 Facility Summary Data Validation Report - Data Analysis Information: TS-EF01

This report reflects facility complements, tie-cable, cable, and carrier, for which the data received from TIRKS is invalid, inconsistent, or incomplete.

Facility complements are listed on this report for any of the following reasons:

- No valid occurrences of DR Area/Length for in-effect facilities will be indicated by message code 1A. If the fields are blank or the length field contains non-numeric characters, TDIS sets the value to 0000.0. If the sum of the Pre-converted DR Lengths is zero, then this message will be generated. These facilities should be referred to the appropriate TIRKS personnel for corrections within that system.
- If the Total Length is invalid (i.e., non-numeric) or equal to zero, or the sum of the DR lengths does not equal the Total Length, the facility will be flagged with a message code of 2A. This situation can only be corrected in the TIRKS system.
- A carrier line ECN could not be found and the default value of 800CL was used by TDIS. This situation is flagged with the message code of 4I. Review, correction, and update of the Carrier Technology to ECN Translation Table (CXRTECH) are required to eliminate these errors.
- DR Group Code is not found on the DRDD table will be indicated by message code 2J. The user must review and correct the DRDD table to eliminate this condition.
- The channel bank ECN could not be found and the default value of 800CT was used by TDIS. This situation will be flagged with the message code of 4J. Review, correction, and update of the Channel Bank to ECN Translation Table (CHBANK) are required to eliminate these errors.
- An adjustment to the first DR Length would cause it to exceed its upper or lower bounds (i.e., $0 \leq$ DR Length ≥ 9999.9). The Total Length field and the sum of the DR Lengths were equal before conversion. However, after conversion they were not equal. An attempt is made to adjust the first DR Length by the difference. If the adjustment being added causes the first DR Length to exceed its upper or lower bound (i.e., $0 \leq$ DR Length ≥ 9999.9), a 2W message code is issued and the DR Length is assigned either its upper of lower bound.
- The First Pair or Last Pair field in the Tie-Cable or Cable Database *or* the From Channel or To Channel field in the Carrier Database is invalid and a 2X message code is issued.
- A precision error occurred in the DR Length field due to conversion. When the DR Length is less than 264 ft., the result of the conversion is less than 0.1 (i.e., 0) and a 2Y message code is issued.

- A precision error occurred in the Total Length field due to conversion. When the Total Length is less than 264 ft., the result of the conversion is less than 0.1 (i.e., 0) and a 2Z message code is issued.

Facility complements with the above error conditions are included in the DRP Facility Summary Data File, but are flagged to indicate that at least one of the above conditions is present. A count of complements in error and a count of the individual errors is contained in the processing summary on the last page of this report.

Data is reflected on the TS-EF01 report under the following column headings:

S1 LINE COLUMN HEADINGS AND CONTENT

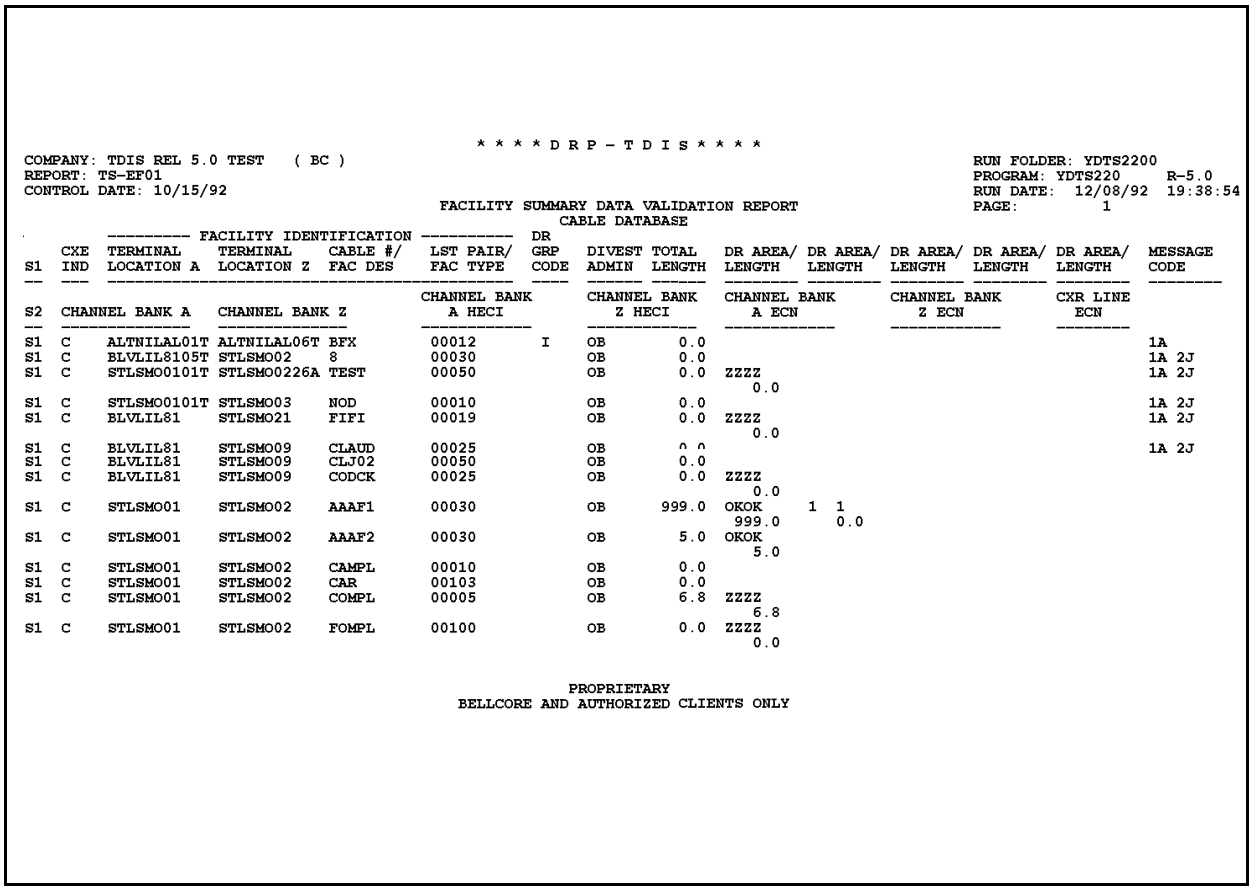
- CXE IND - The Carrier Indicator field consists of a single character to designate the type of facility assigned to the circuit. Valid entries are ‘‘C’’ for Cable or ‘‘X’’ for Carrier System.
- FACILITY IDENTIFICATION
  - — TERMINAL LOCATION A (TERM A) - The originating location of the carrier system or cable complement. This will always be the low alpha location based on the first eight characters of the CLLI.
  - — TERMINAL LOCATION Z (TERM Z) - The terminating location of the carrier system or cable complement. This will always be the high alpha location based on the first eight characters of the CLLI.
  - — CABLE #/FAC DES - This field will contain the cable number or facility number from the TIRKS header record.
  - — LAST PAIR/FAC TYPE - (LAST UNIT/FAC TYPE) The last pair in the cable complement or the facility type data as populated on the header record in the TIRKS database.
- DR GRP CODE (DR GROUP) - This is a two-character code that defines the jurisdictional and/or physical location of the facility. Although this is a two-character field in TIRKS, only the first position is currently being used.
- DIVEST ADMIN - This value is either obtained from the ‘‘0.0’’ line in the ownership section of the TIRKS facility record, or by internal TDIS logic, as described in Appendix C.
- TOTAL LENGTH - This value is obtained from the TIRKS CXRH or CBLH screen. The value should equal the sum of the DR lengths on the CXRO or CBLV screen. If there is a discrepancy, TIRKS must be corrected.
- DR AREA/LENGTH - The DR Area and Length are obtained from the CXRO or CBLV screen of the facility in the TIRKS database.

- MESSAGE CODE - This field will contain the applicable error code that was generated during TDIS processing.

S2 LINE COLUMN HEADINGS AND CONTENT

- CHANNEL BANK A (CHAN BANK A) - This field will contain a brief description of the type of channel bank that is being used at the low alpha location of the system. An example might be D1A.
- CHANNEL BANK Z (CHAN BANK Z) - This field will contain a brief description of the type of channel bank that is being used at the high alpha location of the system. An example might be D4.
- CHANNEL BANK A HECI - This field will contain the HECI code associated with the channel at location A.
- CHANNEL BANK Z HECI - This field will contain the HECI code associated with the channel at location Z.
- CHANNEL BANK A ECN - This field will contain the ECN associated with the channel bank at Location A as developed by TDIS logic.
- CHANNEL BANK Z ECN - This field will contain the ECN associated with the channel bank at Location Z as developed by TDIS logic.
- CXR LINE ECN - The ECN that was developed by this program based on information contained in the Carrier Technology to ECN Translation Table.

The last page of the TS-EF01 report is the processing summary; it contains a count of complements in error and a count of the individual errors generated during processing of the YDTS220.



```
                                        * * * * D R P - T D I S * * * *

COMPANY: TDIS REL 5.0 TEST    ( BC )                                                    RUN FOLDER: YDTS2200
REPORT: TS-EF01                                                                         PROGRAM: YDTS220      R-5.0
CONTROL DATE: 10/15/92                                                                  RUN DATE:  12/08/92  19:38:54
                                        FACILITY SUMMARY DATA VALIDATION REPORT          PAGE:          1
                                                  CABLE DATABASE
          ---------- FACILITY IDENTIFICATION ----------  DR
     CXE  TERMINAL     TERMINAL     CABLE #/   LST PAIR/  GRP   DIVEST TOTAL   DR AREA/ DR AREA/ DR AREA/ DR AREA/ DR AREA/  MESSAGE
S1   IND  LOCATION A   LOCATION Z   FAC DES     FAC TYPE   CODE  ADMIN  LENGTH  LENGTH   LENGTH   LENGTH   LENGTH   LENGTH    CODE
--   ---  ----------------------------------------------  ----  ------ ------  -------- -------- -------- -------- -------- --------
                                                CHANNEL BANK      CHANNEL BANK   CHANNEL BANK      CHANNEL BANK      CXR LINE
S2   CHANNEL BANK A    CHANNEL BANK Z            A HECI            Z HECI        A ECN             Z ECN             ECN
--   --------------    --------------          ------------      ------------  ------------      ------------      --------
S1   C    ALTNILAL01T ALTNILAL06T BFX         00012       I     OB       0.0                                                1A
S1   C    BLVLIL8105T STLSMO02    8           00030             OB       0.0                                                1A 2J
S1   C    STLSMO0101T STLSMO0226A TEST        00050             OB       0.0  ZZZZ                                          1A 2J
                                                                                 0.0
S1   C    STLSMO0101T STLSMO03    NOD         00010             OB       0.0                                                1A 2J
S1   C    BLVLIL81    STLSMO21    FIFI        00019             OB       0.0  ZZZZ                                          1A 2J
                                                                                 0.0
S1   C    BLVLIL81    STLSMO09    CLAUD       00025             OB       0.0                                                1A 2J
S1   C    BLVLIL81    STLSMO09    CLJ02       00050             OB       0.0
S1   C    BLVLIL81    STLSMO09    CODCK       00025             OB       0.0  ZZZZ
                                                                                 0.0
S1   C    STLSMO01    STLSMO02    AAAF1       00030             OB     999.0  OKOK      1  1
                                                                                999.0       0.0
S1   C    STLSMO01    STLSMO02    AAAF2       00030             OB       5.0  OKOK
                                                                                 5.0
S1   C    STLSMO01    STLSMO02    CAMPL       00010             OB       0.0
S1   C    STLSMO01    STLSMO02    CAR         00103             OB       0.0
S1   C    STLSMO01    STLSMO02    COMPL       00005             OB       6.8  ZZZZ
                                                                                 6.8
S1   C    STLSMO01    STLSMO02    FOMPL       00100             OB       0.0  ZZZZ
                                                                                 0.0

                                                PROPRIETARY
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```

Figure 220-4. Facility Summary Data Validation Page: TS-EF01 (Data Page)

```
                                    * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST    ( BC )                                                RUN FOLDER: YDTS2200
REPORT: TS-EF01                                                                     PROGRAM: YDTS220      R-5.0
CONTROL DATE: 10/15/92                                                              RUN DATE:  12/08/92  19:38:54
                                        FACILITY SUMMARY DATA VALIDATION REPORT     PAGE:        220
                                              PROCESSING SUMMARY
                                                    TIE-CABLE      CABLE       CARRIER       TOTAL
                                                   ------------  ----------  ----------  ----------
COMPLIMENTS WITH ERRORS                          =          0         892       1,715       2,607
                                                   ============  ==========  ==========  ==========
COUNT OF DATA DISCREPANCIES DETECTED:  TOTAL 1A  =          0         657       1,513       2,170
                                       TOTAL 2A  =          0           0          26          26
                                       TOTAL 2J  =          0         624         977       1,601
                                       TOTAL 2W  =          0           0           0           0
                                       TOTAL 2X  =          0           0           0           0
                                       TOTAL 2Y  =          0           0           0           0
                                       TOTAL 2Z  =          0           0           0           0
                                       TOTAL 4I  =          0           0         515         515
                                       TOTAL 4J  =          0           0         924         924
                                                   ------------  ----------  ----------  ----------
                                       TOTAL     =          0       1,281       3,955       5,236
                                                   ======= ===  ==========  ==========  ==========

                                    * * * * * *  END OF REPORT  * * * * * *
                                                   PROPRIETARY
                                     BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 220-5. Facility Summary Data Validation Page: TS-EF01 (Processing Summary Page)

220.4.3 Carrier Multiwire Indicator Warning Report: TS-EX01

All carrier systems use two cable pairs (four wires), of which two are transmit and two are receive. Logic has been added to the YDTS220 process to populate the MW field to indicate four-wire if the cable pair is associated with a carrier CAC.

Therefore, any system listed on this report indicates a critical error in the TIRKS database. If systems are found, the report heading will contain the same information as previously described, and the facilities in question will be described under the following column headings:

- CXE - The facility type indicator ‘‘X’’ will be displayed in this column, indicating a carrier system.
- TERM LOCATION A - Same as previous definition.
- TERM LOCATION Z - Same as previous definition.
- FAC DESGN - The facility designation or number is listed in this column.
- FAC TYPE - The TIRKS Facility Type is listed in this column.
- CHAN NMBR - The actual carrier channel assigned to the circuit for which the multiwire indicator is in question.
- Circuit Processing Code (CPC) - The CAC of the carrier for which the multiwire indicator is in question.

  NOTE — Circuit Processing Code (CPC) and Circuit Access Code (CAC) are interchangeable within the definition of this TIRKS field. CPC was the original definition; CAC is the more recent definition.

- ASGT ACT - This field will reflect the circuit’s activity.
- MW IND - This file will reflect the actual multiwire indicator field that resides in the TIRKS database.

Multiwire indicator errors are only correctable within the TIRKS system.

* * * * D R P - T D I S * * * *

COMPANY: BASE - RELEASE 7.0 ENVIRONMENT (CB) RUN FOLDER: YDTS220
REPORT: TS-EX01 PROGRAM: YDTS220 R-7.0
CONTROL DATE: 03/24/97 RUN DATE: 05/02/97 07:40:35

CARRIER MULTIWIRE INDICATOR WARNING REPORT PAGE: 1
CARRIER DATABASE

	FACILITY IDENTIFICATION							
CXE IND	TERMINAL LOCATION A	TERMINAL LOCATION Z	FACILITY DESIGNATION	FACILITY TYPE	CHAN NMBR	CPC	ASGT ACT	MW IND
X	STLSMO01	STLSMO02	AAAF1	B109	00004	CMM2TZ2	W	X
X	STLSMO01	STLSMO02	AAAF1	B109	00006	CMM2TZ2	W	X
X	STLSMO01	STLSMO02	AAAF2	B109	00004	CMM2TZ2	W	X
X	STLSMO01	STLSMO02	AAAF2	B109	00006	CMM2TZ2	W	X
X	STLSMO01	STLSMO02	F1002	D2	00004	CMM2TZ2	W	X
X	STLSMO01	STLSMO02	F1002	D2	00006	CMM2TZ2	W	X
X	STLSMO01	STLSMO02	F1002	D2	00024	CMM2TZ2	W	X
X	STLSMO01	STLSMO02	F1002	D2	00026	CMM2TZ2	W	X
X	STLSMO01	STLSMO02	TF101	D2	00004	CMM2TZ2	W	X
X	STLSMO01	STLSMO02	TF101	D2	00006	CMM2TZ2	W	X
X	STLSMO01	STLSMO02	COPY2	N2	00002	CMM2XD9	W	X
X	STLSMO20	STLSMO21	899	N1	00001	SMM2XJ5	W	X
X	STLSMO20	STLSMO21	899	N1	00002	SMM2XJ6	W	X
X	STLSMO20	STLSMO21	899	N1	00003	SMM2XJ7	W	X
X	STLSMO20	STLSMO21	899	N1	00004	SMM2XJ5	W	X
X	STLSMO20	STLSMO21	899	N1	00005	SMM2XJ6	W	X
X	STLSMO20	STLSMO21	899	N1	00006	SMM2XJ7	W	X
X	LEAPF101	LEAPF102	AAAF1	B109	00004	CMM2TZ2	W	X
X	LEAPF101	LEAPF102	AAAF1	B109	00006	CMM2TZ2	W	X
X	LEAPF101	LEAPF102	AAAF2	B109	00004	CMM2TZ2	W	X
X	LEAPF101	LEAPF102	AAAF2	B109	00006	CMM2TZ2	W	X
X	LEAPF101	LEAPF102	F1002	D2	00004	CMM2TZ2	W	X
X	LEAPF101	LEAPF102	F1002	D2	00006	CMM2TZ2	W	X
X	LEAPF101	LEAPF102	F1002	D2	00024	CMM2TZ2	W	X
X	LEAPF101	LEAPF102	F1002	D2	00026	CMM2TZ2	W	X
X	LEAPF103	LEAPF104	EQPVL	D2	00004	CMM2TZ2	W	X
X	LEAPF103	LEAPF104	EQPVL	D2	00006	CMM2TZ2	W	X

NUMBER OF CARRIER RECORDS ON MULTIWIRE REPORT= 27

* * * * * * END OF REPORT * * * * * *
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Figure 220-6. Carrier Multiwire Indicator Warning Report: TS-EX01

220.4.4 DR Class Code Exception Reports (from EXTRCXR) Data Analysis Information: TS-IR04

The header of the report will contain the following information:

- In the upper left-hand corner: company name, report name, and control date.
- In the upper right-hand corner: the run folder, program name, and TDIS release number as well as the actual run date. The TDIS Release Number indicates the last time this process was changed.

Refer to the current SRD to verify if this data is correct.

During processing of the Tie-Cable, Cable, and Carrier Databases, purification of DR Class is reflected on the TS-IR04 report. The logic associated with the purification process is as follows:

Example 1:

If the DR Class Code is ‘‘MJIW’’, this value will be reflected on the TS-IR04 exception report, but further processing will use the purified DR Class Code of ‘‘MJ’’.

Example 2:

If the DR Class Code is ‘‘MJ’’ followed by two nonprintable binary zero characters, the exception report will reflect ‘‘MJ’’, but further processing will use the purified DR Class Code of ‘‘MJ’’.

Example 3:

If the DR Class Code is two blanks followed by one or more binary zeros, the exception report will reflect four blanks, and four blanks will be used in further processing until the YDTS300 process is invoked. In the YDTS300 process TDIS will attempt to generate a valid two-character DR Class Code or, optionally, a four-character DR Class Code.

Column headings and associated data content are as follows:

- FACILITY ID
  - — TERMINAL LOCATION A (TERM A) - The originating location of the carrier system or cable complement. This will always be the low alpha location based on the first eight characters of the CLLI.

— TERMINAL LOCATION Z (TERM Z) - The terminating location of the carrier system or cable complement. This will always be the high alpha location based on the first eight characters of the CLLI.

— CABLE #/FAC DES - This field will contain the cable number or facility number from the TIRKS header record.

— LAST PAIR/FAC TYPE - (LAST UNIT/FAC TYPE) The last pair in the cable complement or the facility type data as populated on the header record in the TIRKS database.

- CLASS CODE - This field will reflect the DR Class Code before purification was performed by this process.
- ACTIVITY - The data in this filed will reflect the actual status of the circuit, This data will be either ‘‘W’’ for working or ‘‘A’’ for Pending Adds.

The last information contained on this report is a count of the number of DR Class Codes Changed/Purified.

* * * * D R P - T D I S * * * *

COMPANY: BASE - RELEASE 7.0 ENVIRONMENT (CB) RUN FOLDER: YDTS220
REPORT: TS-IR04 PROGRAM: YDTS220 R-7.0
CONTROL DATE: 03/24/97 RUN DATE: 05/02/97 07:40:35
PAGE: 1

FACILITIES WITH CHANGED DR CLASS CODES
CABLE DATABASE

FACILITY IDENTIFICATION						
TERMINAL LOCATION A	TERMINAL LOCATION Z	CABLE #/ FAC DES	LST PAIR/ FAC TYPE	PAIR / UNIT #	CLASS CODE	ACTIVITY
STLSMO01	STLSMO02	F1010	00010	00001	{.N.	A
STLSMO02	STLSMO03	117	00011	00002	..	A
STLSMO03	STLSMO05	FACP1	00010	00001	{.N.	A
STLSMO03	STLSMO05	FACP1	00010	00002	{.N.	A
SMVLNJMT	WHHSNJT3	CA111	00100	00002	MI..	A
SMVLNJMT	WHHSNJT3	CA111	00100	00026	MI..	A
SMVLNJMT	WHHSNJT3	CA111	00100	00027	MI..	A
SMVLNJMT	WHHSNJT3	CA111	00100	00028	MI..	A
SMVLNJMT	WHHSNJT3	CA111	00100	00029	MI..	A
SMVLNJMT	WHHSNJT3	CA111	00100	00032	MI..	A
SMVLNJMT	WHHSNJT3	CA111	00100	00033	MI..	A
SMVLNJMT	WHHSNJT3	CA111	00100	00034	MI..	A
PISCNJMT	SMVLNJMT	CA101	00100	00072	MI..	A
PISCNJMT	SMVLNJMT	CA101	00100	00073	MI..	A
PISCNJMT	SMVLNJMT	CA101	00100	00078	MI..	A
PISCNJMT	SMVLNJMT	CA101	00100	00079	MI..	A
PISCNJMT	SMVLNJMT	CA101	00100	00082	MI..	A
PISCNJMT	SMVLNJMT	CA101	00100	00083	MI..	A
PISCNJMT	SMVLNJMT	CA103	00200	00129	MI..	A
PISCNJMT	SMVLNJMT	CA103	00200	00130	MI..	A
PISCNJMT	SMVLNJMT	CA104	00100	00001	M ..	W
PISCNJMT	WHHSNJT2	CA101	00100	00019	MI..	A
PISCNJMT	WHHSNJT2	CA101	00100	00020	MI..	A
SMVLNJMT	WHHSNJT2	CA110	00300	00003	..	A
SMVLNJMT	WHHSNJT2	CA110	00300	00004	..	A
SMVLNJMT	WHHSNJT2	CA110	00300	00005	..	A
SMVLNJMT	WHHSNJT2	CA110	00300	00006	..	A
SMVLNJMT	WHHSNJT2	CA110	00300	00007	..	A
SMVLNJMT	WHHSNJT2	CA110	00300	00008	..	A
MET1MCLL	MET1MCMA	CBL01	00050	00026	XA..	A
MET1MCLL	MET1MCMA	CBL01	00050	00027	XA..	A
MET1MCLL	MET2TBMA	CBL01	00050	00026	XA..	A
MET1MCLL	MET2TBMA	CBL01	00050	00027	XA..	A
BELLOC01	BELLOC02	102	00100	00001	MI..	A
BELLOC01	BELLOC02	102	00100	00004	MI..	A
BELLOC01	BELLOC02	102	00100	00005	MI..	A
BELLOC01	BELLOC03	103	00100	00001	MI..	A
BELLOC01	BELLOC03	103	00100	00013	MI..	A
BELLOC01	BELLOC03	103	00100	00014	MI..	A
BELLOC01	BELLOC03	103	00100	00016	MI..	A

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Figure 220-7. DR Class Code Exception Reports - Data Analysis Information: TS-IR04

```
                                         * * * * D R P - T D I S * * * *
COMPANY: BELLCORE RELEASE TESTING   ( OB )                                                        RUN FOLDER: YDTS2200
REPORT: TS-IR04                                                                                   PROGRAM: YDTS220     R-5.0
CONTROL DATE: 08/05/92                                                                            RUN DATE:  10/21/92  17:10:26
                                      FACILITIES WITH CHANGED DR CLASS CODES                      PAGE:          2
                                                PROCESSING SUMMARY
                                                        TIE-CABLE      CABLE      CARRIER      TOTAL
                                                       -----------  -----------  -----------  -----------
         NUMBER OF CHANGED DR CLASS CODES            =           0           11            0           11
                                                       ===========  ===========  ===========  ===========




                                    * * * * * *  END OF REPORT  * * * * * *
                                                  PROPRIETARY
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```

Figure 220-8. DR Class Code Exception Reports (Processing Summary page): TS-IR04

220.4.5 Message HI-CAP Discrepancy Warning Report

The user may elect to identify Message HI-CAP Carrier Systems by use of group codes identified in the GRPCODE table or by DR CIRCUIT TYPES identified in the HICAP table. If it is determined that the Carrier System is Message HI-CAP, then all channel assignments on the system from the ZRRCXRSS data base must be all message (a CAC beginning with “M”). All channels on the Carrier System identified as Message HI-CAP that are not message are written to this report and a “2V” error is assigned to the facility.

Column Headings and associated data content are as follows:

- FACILITY IDENTIFICATION
  - — TERMINAL LOCATION A - The originating location of the carrier system. This will always be the low alpha location based on the first eight characters of the CLLI.
  - — TERMINAL LOCATION Z - The terminating location of the carrier system. This will always be the high alpha location based on the first eight characters of the CLLI.
  - — CABLE #/FAC DES - This field will contain the cable number of facility number from the TIRKS header record.
  - — LST PAIR/FAC TYPE - The last pair in the cable complement or the facility type data as populated on the header record in the TIRKS database.
  - — CHANNEL NUMBER - The actual carrier channel assigned to the circuit.
  - — CHANNEL CAC - The CAC of the channel assigned to the facility unit.
  - — ROOT DRCKT - The DR CIRCUIT TYPE that was assigned to the carrier system and matches the DR CIRCUIT TYPE from the HICAP table which was marked as Message HICAP. The DR CIRCUIT TYPE will appear only if a match was made.
  - — GROUP CODE - The GROUP CODE that was assigned to the carrier system and matches the GROUP CODE from the GRPCODE table which was marked as Message HICAP. The GROUP CODE will appear only if a match was made.
  - — CIRCUIT IDENTITY ON CHANNEL - The complete circuit description as defined by COMMON LANGUAGE standards. A complete description of the data fields may be obtained from BR 756-551-790.

```
                                        * * * * DRP - TDIS * * * *
COMPANY: BELLCORE - TDIS 5.2   (  BC )                                                    RUN FOLDER: YDTS220
REPORT: TS-HI01                                                                           PROGRAM: YDTS220 5.3
CONTROL DATE: 10/12/94                                                                    RUN DATE:11/28/94 12:07:37
                                    MESSAGE HI-CAP DISCREPANCY WARNING REPORT              PAGE:         1
                                                 CARRIER DATABASE
---------- FACILITY IDENTIFICATION ----------                -HICAP IDENTIFIER-
 TERMINAL     TERMINAL    CABLE #/    LST PAIR/  CHANNEL  CHANNEL   ROOT   GROUP  CIRCUIT IDENTITY ON CHANNEL
LOCATION A   LOCATION Z   FAC DES     FAC TYPE   NUMBER     CAC     DRCKT  CODE
----------  ----------  ----------  ---------  -------  --------  -----  -----  ----------------------------------------------
PISCNJMT     SMVLNJMT     LORI1       T1         00001    SMP4DP6   CXRXA         01/FXNC/908/699/1082/000B /
PISCNJMT     SMVLNJMT     LORI1       T1         00002    SMP4DP5   CXRXA         01/FXNC/908/699/1082/000A /
PISCNJMT     SMVLNJMT     421         T4         00001    CMN4GT3   CXRXA         325  /T3    /PISCNJMT   /SMVLNJMT
PISCNJMT     SMVLNJMT     425         T4         00001    CMN4GS9   CXRXA         311  /T3    /PISCNJMTK21/SMVLNJMTK11
PISCNJMT     SMVLNJMT     425         T4         00003    CMN4FB5   CXRXA         213  /T3    /PISCNJMT   /SMVLNJMT
                          NUMBER OF CARRIER SYSTEMS ON HI-CAP DISCREPANCY REPORT =           3
                          NUMBER OF CHANNELS        ON HI-CAP DISCREPANCY REPORT =           5




                                      * * * * * *  END OF REPORT  * * * * * *
                                                   PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 220-9. Message HI-CAP Discrepancy Warning Report: TS-HI01

220.4.6 Audit Report: TS-EDP

The audit report summarizes the input and output activities associated with the YDTS220 process.

The major items on Page 1 of this report are as follows:

CPU ID and Date of each database or file and the date range comparison is listed. SFACDTLS will be listed either twice or not at all. If it occurs twice, the first occurrence reflects the ZRRCADSS (SCAD) database and the second reflects the ZRRCIDSS (SCID) database. If it does not occur at all, SONET data was not included in this run.

Next on the EDP report is the SONET Assignment Error Report:

(which may not appear if there are no errors).
This reports lists SONET facilities that had valid assignments in the SONET databases, but that SONET facility was not found in the Carrier database. These assignment are dropped from the TDIS process. Any errors found should be presented to the TIRKS staff for correction.

The major items on next Pages are counts for the follwing databases; Tie-Cable, Cable, and Carrier. The content of the reports are as follows:

- **Number of TIRKS Details segments read, accepted, and rejected by segment type and total**
- **Number of LINECACs translated**
- **Number of LINECACs not translated**
- **Number of DR Class Code changed**
- **Number of Facility Summary and Detail records written**

The next pages contains the following additional audit information :

- **DRP DRDD Table First Loaded** (from the TDIS On-line Table Update)
  This is the last date on which the TIRKS DRDD Table was copied to TDIS.
- **DRP DRDD Table Last Updated** (from the TDIS On-line Table Update)
  This should be the date when the YDTS110 was last processed.
- **DRP DRDD Table Generation Number** (from the TDIS On-line Table Update)
- **DRP DRDD Table Group Codes Read** (from the TDIS On-line Table Update)
  This number should be the same as the number of group codes on the current DRDD Table.
- **DRP LATA Table Last Updated** (from the TDIS On-line Table Update)
- **DRP LATA Table Generation Number** (from the TDIS On-line Table Update)
- **DRP LATA Table Record Count** (from the TDIS On-line Table Update)

- **CHBANK Table Generation Number** (from the TDIS On-line Table Update)
- **CHBANK Table Last Updated On** (from the TDIS On-line Table Update)
- **CHBANK Table Records Count** (from the TDIS On-line Table Update)
- **CXRTECH Table Generation Number** (from the TDIS On-line Table Update)
- **CXRTECH Table Last Updated On** (from the TDIS On-line Table Update)
- **CXRTECH Table Records Count** (from the TDIS On-line Table Update)
- **HECIG Table Last Updated On** (from the TDIS On-line Table Update)
- **HECIG Table Generation Number** (from the TDIS On-line Table Update)
- **HECIG Table Records Count** (from the TDIS On-line Table Update)
- **GRPCODE Table Last Updated** (from the TDIS On-line Table Update)
- **GRPCODE Table Generation Number** (from the TDIS On-line Table Update)
- **GRPCODE Table Record Count** (from the TDIS On-line Table Update)
- **TIEXCPT Table Last Updated** (from the TDIS On-line Table Update)
- **TIEXCPT Table Generation Number** (from the TDIS On-line Table Update)
- **TIEXCPT Table Record Count** (from the TDIS On-line Table Update)
- **AAEXCL Table Last Updated** (from the TDIS On-line Table Update)
- **AAEXCL Table Generation Number** (from the TDIS On-line Table Update)
- **AAEXCL Table Record Count** (from the TDIS On-line Table Update)
- **TOTAL ADMIN AREA EXCLUDED** (count of number of facilities exclude because of matchs to AAEXCL table)
- **TOTALS BY ADMIN AREA** (list by Admin Area of the number of facilities excluded)
- **Total CAC Codes Overlaid with SPAN Database Values**
- **Total Number of DR Class Codes Changed**
- **DRP Facility Summary Records Written, by type and total**
- **DRP Facility Details Records Written**
- **Report TS-EC01 Pages Written**
  This should equal the number of report pages received.
- **Report TS-EF01 Pages Written, by type and total**
  This should equal the number of report pages received.

- **Report TS-EX01 Pages Written**
  This should equal the number of report pages received.
- **Report TS-IR04 Pages Written**
  This should equal the number of report pages received.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                  RUN FOLDER: YDTS220
REPORT: TS-EDP                                                                    PROGRAM: YDTS220     R-7.0
CONTROL DATE: 03/24/97                                                            RUN DATE:  05/09/97  11:28:04
                                          EDP PROGRAM SUMMARY AND AUDIT REPORT    PAGE:         1
                                            CREATE DRP FACILITY DETAILS FILE
                                               CPU PROCESSING INFORMATION

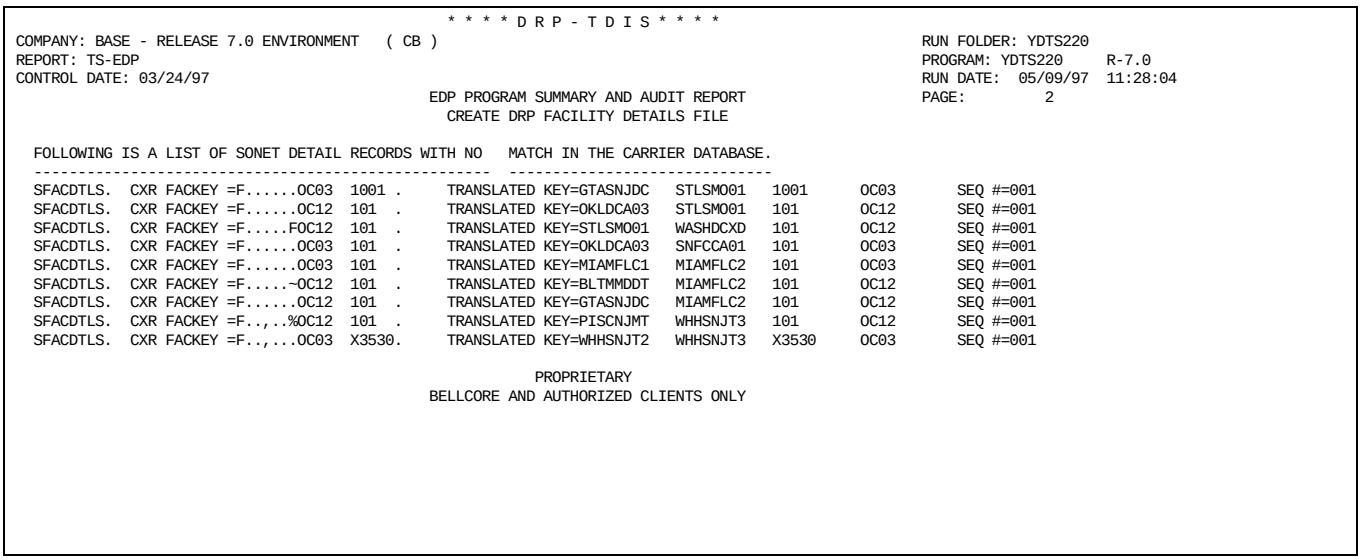
FILENAME  CPU  DS  DATE
--------  ---  -- ------
ZRRTCBSS: CB   .  032497
ZRRTCXSS: CB   .  032497
ZRRCXRSS: CB   .  032497
SFACDTLS: CB   .  032497
SFACDTLS: CB   .  032497

          FILENAME CPU DS  DATE
          -------- --- -- ------
MAX DATE: ZRRTCBSS CB  .  032497
MIN DATE: ZRRTCBSS CB  .  032497
DIFF DAYS:                   0



                                                  PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 220-10. Audit Report: TS-EDP (CPU-ID)



```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                   RUN FOLDER: YDTS220
REPORT: TS-EDP                                                                     PROGRAM: YDTS220     R-7.0
CONTROL DATE: 03/24/97                                                             RUN DATE:  05/09/97  11:28:04
                                          EDP PROGRAM SUMMARY AND AUDIT REPORT     PAGE:         2
                                            CREATE DRP FACILITY DETAILS FILE

  FOLLOWING IS A LIST OF SONET DETAIL RECORDS WITH NO   MATCH IN THE CARRIER DATABASE.
  ---------------------------------------------------  ------------------------------
  SFACDTLS.  CXR FACKEY =F......OC03  1001 .     TRANSLATED KEY=GTASNJDC   STLSMO01   1001      OC03       SEQ #=001
  SFACDTLS.  CXR FACKEY =F......OC12  101  .     TRANSLATED KEY=OKLDCA03   STLSMO01   101       OC12       SEQ #=001
  SFACDTLS.  CXR FACKEY =F.....FOC12  101  .     TRANSLATED KEY=STLSMO01   WASHDCXD   101       OC12       SEQ #=001
  SFACDTLS.  CXR FACKEY =F......OC03  101  .     TRANSLATED KEY=OKLDCA03   SNFCCA01   101       OC03       SEQ #=001
  SFACDTLS.  CXR FACKEY =F......OC03  101  .     TRANSLATED KEY=MIAMFLC1   MIAMFLC2   101       OC03       SEQ #=001
  SFACDTLS.  CXR FACKEY =F.....~OC12  101  .     TRANSLATED KEY=BLTMMDDT   MIAMFLC2   101       OC12       SEQ #=001
  SFACDTLS.  CXR FACKEY =F......OC12  101  .     TRANSLATED KEY=GTASNJDC   MIAMFLC2   101       OC12       SEQ #=001
  SFACDTLS.  CXR FACKEY =F..,..%OC12  101  .     TRANSLATED KEY=PISCNJMT   WHHSNJT3   101       OC12       SEQ #=001
  SFACDTLS.  CXR FACKEY =F..,...OC03  X3530.     TRANSLATED KEY=WHHSNJT2   WHHSNJT3   X3530     OC03       SEQ #=001

                                                  PROPRIETARY
                                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 220-11. Audit Report: TS-EDP (SONET Assignment- Errors)

```
                                    * * * * D R P - T D I S * * * *
COMPANY: EAM PERSONAL TDIS-TBL SYSTEM   ( CB )                          RUN FOLDER: YDTS220
REPORT: TS-EDP                                                          PROGRAM: YDTS220     R-5.4
CONTROL DATE: 02/17/95                                                  RUN DATE:  05/16/94 14:10:04
                                  EDP PROGRAM SUMMARY AND AUDIT REPORT  PAGE:         2
                                    CREATE DRP FACILITY DETAILS FILE


        TIRKS TIE CABLE DETAILS (ZRRTCBSS) SEGMENTS READ:    ZRRTCB1A (HEADER)     =        123
                                                             ZRRTCB1D (OWNERSHIP)  =         65
                                                             ZRRTCB1E (DR DATA)    =         62
                                                             ZRRTCB2A (CABLE UNIT) =      7,878
                                                             ZRRTCB2C (ASGT SUBD)  =      7,884
                                                             ZRRTCB3A (ASGT INFO)  =      8,111
                                                             TOTAL                 =     24,123

        TIE CABLE SEGMENTS ACCEPTED:                         ZRRTCB1A (HEADER)     =        120
                                                             ZRRTCB1D (OWNERSHIP)  =         65
                                                             ZRRTCB1E (DR DATA)    =         62
                                                             ZRRTCB2A (CABLE UNIT) =         45
                                                             ZRRTCB2C (ASGT SUBD)  =         45
                                                             ZRRTCB3A (ASGT INFO)  =         45
                                                             TOTAL                 =        382

        TIE CABLE SEGMENTS BYPASSED:                         ZRRTCB1A (HEADER)     =          3
                                                             ZRRTCB1D (OWNERSHIP)  =          0
                                                             ZRRTCB1E (DR DATA)    =          0
                                                             ZRRTCB2A (CABLE UNIT) =      7,833
                                                             ZRRTCB2C (ASGT SUBD)  =      7,839
                                                             ZRRTCB3A (ASGT INFO)  =      8,066
                                                             TOTAL                 =     23,741


        NUMBER OF LINECACS                                                       =          0
             LINECACS OVERLAID WITH SPAN DATABASE VALUES                         =          0
             LINECACS NOT TRANSLATABLE                                           =          0

        NUMBER OF DR CLASS CODES WHICH WERE CHANGED                              =          0

        DRP FACILITY SUMMARY RECORDS WRITTEN FROM TIE CABLE DB:      HEADER   (1) =        120
                                                                     OWNER    (2) =         63
                                                                     UTIL     (3) =        120
                                                                     NORM     (4) =          0
                                                                     TOTAL        =        303

        DRP FACILITY DETAILS RECORDS WRITTEN FROM TIE CABLE DB:      FACILITY (2) =         45


                                          PROPRIETARY
                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 220-12. Audit Report: TS-EDP (Tie Cable)

```
                                    * * * * D R P - T D I S * * * *
COMPANY: EAM PERSONAL TDIS-TBL SYSTEM   ( CB )                                  RUN FOLDER: YDTS220
REPORT: TS-EDP                                                                  PROGRAM: YDTS220     R-5.4
CONTROL DATE: 02/17/95                                                          RUN DATE:  05/16/95  14:10:04
                                        EDP PROGRAM SUMMARY AND AUDIT REPORT    PAGE:         3
                                          CREATE DRP FACILITY DETAILS FILE


        TIRKS CABLE DETAILS (ZRRTCXSS) SEGMENTS READ:       ZRRTCB1A (HEADER)     =      1,833
                                                            ZRRTCB1D (OWNERSHIP)  =      1,128
                                                            ZRRTCB1E (DR DATA)    =      1,169
                                                            ZRRTCB2A (CABLE UNIT) =    218,857
                                                            ZRRTCB2C (ASGT SUBD)  =    218,865
                                                            ZRRTCB3A (ASGT INFO)  =    225,830
                                                            TOTAL                 =    667,682

                                CABLE SEGMENTS ACCEPTED:    ZRRTCB1A (HEADER)     =      1,806
                                                            ZRRTCB1D (OWNERSHIP)  =        967
                                                            ZRRTCB1E (DR DATA)    =      1,163
                                                            ZRRTCB2A (CABLE UNIT) =      2,866
                                                            ZRRTCB2C (ASGT SUBD)  =      2,866
                                                            ZRRTCB3A (ASGT INFO)  =      2,866
                                                            TOTAL                 =     12,534

                               CABLE SEGMENTS BYPASSED:     ZRRTCB1A (HEADER)     =         27
                                                            ZRRTCB1D (OWNERSHIP)  =        161
                                                            ZRRTCB1E (DR DATA)    =          6
                                                            ZRRTCB2A (CABLE UNIT) =    215,991
                                                            ZRRTCB2C (ASGT SUBD)  =    215,999
                                                            ZRRTCB3A (ASGT INFO)  =    222,964
                                                            TOTAL                 =    655,148


        NUMBER OF LINECACS                                                      =      1,556
             LINECACS OVERLAID WITH SPAN DATABASE VALUES                        =        253
             LINECACS NOT TRANSLATABLE                                          =      1,303

        NUMBER OF DR CLASS CODES WHICH WERE CHANGED                             =         53

        DRP FACILITY SUMMARY RECORDS WRITTEN FROM CABLE DB:     HEADER   (1) =      1,806
                                                                OWNER    (2) =      1,032
                                                                UTIL     (3) =      1,806
                                                                NORM     (4) =          0
                                                                TOTAL        =      4,644

        DRP FACILITY DETAILS RECORDS WRITTEN FROM CABLE DB:     FACILITY (2) =      2,866


                                            PROPRIETARY
                                    BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 220-13. Audit Report: TS-EDP (Cable)

```
                                    * * * * D R P - T D I S * * * *
COMPANY: EAM PERSONAL TDIS-TBL SYSTEM   ( CB )                          RUN FOLDER: YDTS220
REPORT: TS-EDP                                                          PROGRAM: YDTS220     R-5.4
CONTROL DATE: 02/17/95                                                  RUN DATE:  05/16/95  14:10:04
                                  EDP PROGRAM SUMMARY AND AUDIT REPORT  PAGE:         4
                                    CREATE DRP FACILITY DETAILS FILE


     TIRKS CARRIER DETAILS (ZRRCXRSS) SEGMENTS READ:      RCXR1 (HEADER)     =      3,038
                                                          RCXR2 (CHAN UNIT)  =     53,901
                                                          RCXR3 (ASGT INFO)  =     59,343
                                                          RCXR6 (OWNER INFO) =      2,010
                                                          TOTAL              =    118,292

                        CARRIER SEGMENTS ACCEPTED:        RCXR1 (HEADER)     =      3,022
                                                          RCXR2 (CHAN UNIT)  =      2,525
                                                          RCXR3 (ASGT INFO)  =      2,525
                                                          RCXR6 (OWNER INFO) =      2,000
                                                          TOTAL              =     10,072

                       CARRIER SEGMENTS BYPASSED:         RCXR1 (HEADER)     =         16
                                                          RCXR2 (CHAN UNIT)  =     51,376
                                                          RCXR3 (ASGT INFO)  =     56,818
                                                          RCXR6 (OWNER INFO) =         10
                                                          TOTAL              =    180,220

     TDIS SONET FACILITY DETAIL (SFACDTLS) RECORDS READ:                     =        170


     NUMBER OF LINECACS                                                      =          0
          LINECACS OVERLAID WITH SPAN DATABASE VALUES                        =          0
          LINECACS NOT TRANSLATABLE                                          =          0

     NUMBER OF DR CLASS CODES WHICH WERE CHANGED                             =          0

     DRP FACILITY SUMMARY RECORDS WRITTEN FROM CARRIER DB:     HEADER   (1) =      3,022
                                                               OWNER    (2) =      1,563
                                                               UTIL     (3) =      3,022
                                                               NORM     (4) =         25
                                                               TOTAL        =      7,632

     DRP FACILITY DETAILS RECORDS WRITTEN FROM CARRIER DB:     FACILITY (2) =      2,525

                                  FROM SONET DB:               FACILITY (2) =        170

                                  TOTAL:                       FACILITY (2) =      2,695

                                          PROPRIETARY
                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 220-14. Audit Report: TS-EDP (Carrier)

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                          RUN FOLDER: YDTS220
REPORT: TS-EDP                                                            PROGRAM: YDTS220     R-7.0
CONTROL DATE: 03/24/97                                                    RUN DATE:  05/02/97  07:40:35
                                  EDP PROGRAM SUMMARY AND AUDIT REPORT    PAGE:         5
                                    CREATE DRP FACILITY DETAILS FILE

                    DRP DRDD TABLE FIRST LOADED ON                          09/08/93
                    DRP DRDD TABLE LAST UPDATED ON                          08/10/95
                    DRP DRDD TABLE GENERATION NUMBER                        G0001V00
                    DRP DRDD GROUP CODES READ                       =           8

                    DRP LATA TABLE LAST UPDATED ON                          09/01/93
                    DRP LATA TABLE GENERATION NUMBER                        G0001V00
                    DRP LATA TABLE RECORD COUNT                     =         869

                    CHBANK   TABLE LAST UPDATED ON                          10/21/93
                    CHBANK   TABLE GENERATION NUMBER                        G0001V00
                    CHBANK   TABLE RECORD COUNT                     =         376

                    CXRTECH  TABLE LAST UPDATED ON                          10/21/93
                    CXRTECH  TABLE GENERATION NUMBER                        G0001V00
                    CXRTECH  TABLE RECORD COUNT                     =         106

                    HECIG    TABLE LAST UPDATED ON                          08/25/93
                    HECIG    TABLE GENERATION NUMBER                        G0001V00
                    HECIG    TABLE RECORD COUNT                     =         256

                    GRPCODE  TABLE LAST UPDATED ON                          02/24/95
                    GRPCODE  TABLE GENERATION NUMBER                        G0001V00
                    GRPCODE  TABLE RECORD COUNT                     =           9

                    TIEXCPT  TABLE LAST UPDATED ON                          07/26/93
                    TIEXCPT  TABLE GENERATION NUMBER                        G0001V00
                    TIEXCPT  TABLE RECORD COUNT                     =           2

                    AAEXCL   TABLE LAST UPDATED ON                          05/01/97
                    AAEXCL   TABLE GENERATION NUMBER                        G0001V00
                    AAEXCL   TABLE RECORD COUNT                     =           3

                    TOTAL ADMIN AREAS EXCLUDED                      =           0


                                          PROPRIETARY
                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 220-15. Audit Report: TS-EDP (TABLE DATA)

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                  RUN FOLDER: YDTS220
REPORT: TS-EDP                                                                    PROGRAM: YDTS220     R-7.0
CONTROL DATE: 03/24/97                                                            RUN DATE:  05/02/97  07:40:35
                                          EDP PROGRAM SUMMARY AND AUDIT REPORT    PAGE:         6
                                            CREATE DRP FACILITY DETAILS FILE


    TDIS AAEXCL TABLE COUNTS *** # RECORDS EXCLUDED BY ADMIN AREA
    ------------------------------------------------------------

    *** NO ADMIN AREAS ENTERED IN THE -- AAEXCL -- TABLE FOR FACILITY. ***









                                                PROPRIETARY
                                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 220-16. Audit Report: TS-EDP (AA-Excluded)

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                          RUN FOLDER: YDTS220
REPORT: TS-EDP                                                            PROGRAM: YDTS220     R-7.0
CONTROL DATE: 03/24/97                                                    RUN DATE:  05/02/97  07:40:35
                                  EDP PROGRAM SUMMARY AND AUDIT REPORT    PAGE:         7
                                    CREATE DRP FACILITY DETAILS FILE

                        TOTAL NUMBER OF LINECACS                                =       1,624
                             TOTAL LINECACS OVERLAID WITH SPAN DB VALUES         =         283
                             TOTAL LINECACS NOT TRANSLATABLE                    =       1,341

                        TOTAL NUMBER OF DR CLASS CODES CHANGED                  =          53

                        TOTAL DRP FACILITY SUMMARY RECORDS WRITTEN:    HEADER   (1) =       8,384
                                                                       OWNER    (2) =       6,030
                                                                       UTIL     (3) =       8,384
                                                                       NORM     (4) =           0
                                                                       TOTAL        =      22,798

                        TOTAL DRP FACILITY DETAILS RECORDS WRITTEN:    FACILITY (2) =       7,130
                        REPORT TS-EC01 PAGES WRITTEN                            =           5
                        REPORT TS-EF01 PAGES WRITTEN                            =         487
                        REPORT TS-EX01 PAGES WRITTEN                            =           1
                        REPORT TS-IR04 PAGES WRITTEN                            =           3
                        REPORT TS-HI01 PAGES WRITTEN                            =           8









                                          PROPRIETARY
                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 220-17. Audit Report: TS-EDP (FINAL TOTALS)

220.5 Abnormal Termination

The following situations will result in termination of the process:

Condition Code 2005 - Invalid CPU ID/Control Date retrieved from CNTLDTE File

Condition Code 2007 - No Header Record Found For File Name

This condition code may be the result of improper sort of data, the program not starting at the first tape, the prior program not completing correctly, or other processing malfunctions.

Condition Code 2008 - Invalid Single Site CPU run

Condition Code 2009 - Invalid Header Record

This condition code may indicate that there is a mismatch on the CPU ID between the input card and the data being accessed, that the control data does not match the header record, or that the header record date is outside the range dictated by TDIS logic.

Condition Code 2025 - Invalid Database Owner (XX) Parameter

Since database owner is not a required input on the transmittal card, this information is deduced from the first two characters of the CPU ID input on the transmittal card.

Condition Code 2050 - Bad Status Code Returned From DLI Call

After an IMS DLI call is issued to retrieve a database segment, the program determines whether the retrieval was successful by examining the Status Code field in the PCB. If the status code is bad, error message 2050 is generated and the process is terminated.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE

The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

240. YDTS240 - Extract TIRKS Equipment Details Data

240.1 General Description

YDTS240

YDTS240 processes the TIRKS Reports Equipment Database (ZRREQPSS), which is produced by TIRKS Job ZRE1C15. This database and the DRP SPANCAC translation file (from YDTS205) are used in conjunction with the DRP Equipment Classification, HECIG, and LATA tables to create the Equipment Details, Equipment Summary, Equipment Link, and Equipment Unit files.

The processing procedure for this program first compares the TRS date record that is internal to the file and the extract date supplied by the user via the TDIS on-line tables. If these dates are within the range of plus or minus one day, processing will continue. If the dates exceed this range, processing will be terminated until a corrected DB DATE card is submitted via on-line tables or the correct TIRKS tape is input. This check ensures that the proper TIRKS tapes are being accessed. There is no user option to the range of plus or minus one day.

This program examines the CAC before writing data to the output file. If the CAC begins with an ‘‘L’’, denoting a span line, the LCAC is used to access the Span Line VSAM File, read as a SHISAM IMS database (created by YDTS205). The LCAC is then replaced with the CAC assigned to the span line. If the translated CAC is equal to ‘**spare’, that equipment subdivision is treated as spare. This procedure should reduce the occurrences of error code 3L, Equipment Subdivision Assigned to a Non-Existent Circuit. If LCAC translates to another LCAC, TDIS will try translating the new LCAC. If TDIS does not get a non-LCAC by the end of the third try, a 3L error is assigned.

The following fields are extracted from the TIRKS Equipment Details database (ZRREQPSS):

- Relay Rack Number - Equipment Identification
- Location - Office Name in COMMON LANGUAGE® format
- HECI - Human Equipment Catalog Item
- Total Units - Count of working and spare units
- Total Spare Units - Count of nonworking units
- Unit Types - S, M, P, H, J, G, @
- Node_ID - uniquely identifies a piece of equipment which belongs to a SCID.
- ECN - Equipment Category Number

- Administrative Area - Two-character code, i.e., DL
- Unit Number - Location within the relay rack
- Inventory Status - General status of equipment
- In-Effect Order Date - MM/DD/YY of completed order
- Total Subdivisions - Number of subdivisions working and/or spare
- Assembly Components Sequence Number - TIRKS system generated code internal to the system
- Assignment Activity - A = Add, D = Disconnect, etc.
- CAC - Circuit Access Code
- Divested Administrator - This value is either obtained from the ‘‘0.0’’ line in the ownership section of the TIRKS equipment header record or by internal TDIS logic, as described in Appendix E
- Assignment Subdivision - A further breakdown of the unit
- Hierarchy Flag - Indicates whether equipment is part of a hierarchy (Y/N)
- LATA Code - Local Access and Transport Area
- POP Indicator - Point of Presence Indicator
- Vertical Coordinate
- Horizontal Coordinate
- Company - Owner data
- PCT Owned - Percent Owned
- Field Reporting Code - Subaccount code for the equipment unit as specified in the catalog of central office property record items (not populated yet)
- SONET Carrier Identifier
- Optical Identifier - E = EAST, W = WEST and T = Terminal (a “P” on the end identifies the protection path).

Additional descriptive information on the above fields may be obtained from BR 756-551-790.

This procedure also creates the DRP Equipment Details (EQPDTLS) and Equipment Summary (EQPSUM) Files. These files will be used in the TDIS termination count process and will also provide data for the CES Study.

The following data purification steps are performed during the YDTS240 process:

1. At the complement level, the following fields are searched for valid data:

- Location
- HECI
- Unit Type
- Relay Rack
- ECN
- LATA Information and Equipment Classification.

2. For each unit/subdivision, the following additional data determinations are made and written to the file:
   - Derivation of Divested Administrator (if the data does not exist on the record)
   - Completeness of ownership or leasing data
   - Determination of defective or bulk assigned units
   - Classification of subdivision as working or non-working.

If any of the above data items cannot be found or developed, the appropriate error message(s) is written to the output file.

Additionally, the equipment header is checked for an ECN within the range of 100 through 899. If an ECN within this range is not found, the DRP HECIG to ECN translation table (part of the TDIS-Online Table Update System [TDIS-TBL]) is used to generate an ECN code. A match is attempted at progressively less precise HECIG patterns based on the data in the translation table.

If the table ‘‘look-up’’ fails, an attempt is made to generate an ECN based on the following rules:

1. If Unit Type is not @ (assembly), then ECN 800TS is assigned.
2. If Unit Type is @ and the first character of the CAC is ‘‘M’’ or ‘‘S’’, then ECN 8EASM is assigned.
3. If Unit Type is @ and the first character of the CAC is ‘‘C’’, then ECN 8CASM is assigned.
4. If Unit Type is @ and no CAC exists, then ECN 8ASMB is assigned.

Use of the translation table or default rules above will result in an error message of 4M (complement had no ECN) or 4N (TIRKS ECN was invalid) being written to the output reports and files.

As of TDIS release 7.1, when an ECN within the following ranges (401 - 499, 601 - 699, 801 - 899) is encountered a record with that HECI and ECN codes from TIRKS is written to a new file called ECNUPDT. This new file is used in program YDTS245 to develop a new revised HECIG MASTER Table to be processed by YDTS220.

This program also adds the LATA Code, the POP Indicator, and the V&H Coordinates from the TDIS LATA table to each equipment record.

The user-maintained DRP Equipment Classification Table in TDIS is referenced to determine if the equipment is either exchange or interexchange. This determination is based on either the ECN received from TIRKS or the one developed by the internal TDIS logic. This process will first attempt to match the ECN to the table at 5 characters, then 4 characters, and finally at 3 characters.

A match with an ECN in the Equipment Classification Table will generate a value of either ‘‘1’’ for Interexchange or ‘‘2’’ for Exchange, which is added to the equipment record. The default is interexchange, and message code 4O is written to the output file.

YDTS245

Program YDTS245 processes the HECIG MASTER Table along with the ECNUPDT file created by program YDTS240 after it has gone through some sorts to reduce the file size and to order the data correctly to produce a new file called HECIG.MASTER.REVISED. This revised HECIG master file is used in run YDTS220 so that more accurate ECN assignments can be made. YDTS245 also produce validation reports that the TDIS clients can use to update their HECIG table.

240.2 Program Flow Diagram (YDTS240)

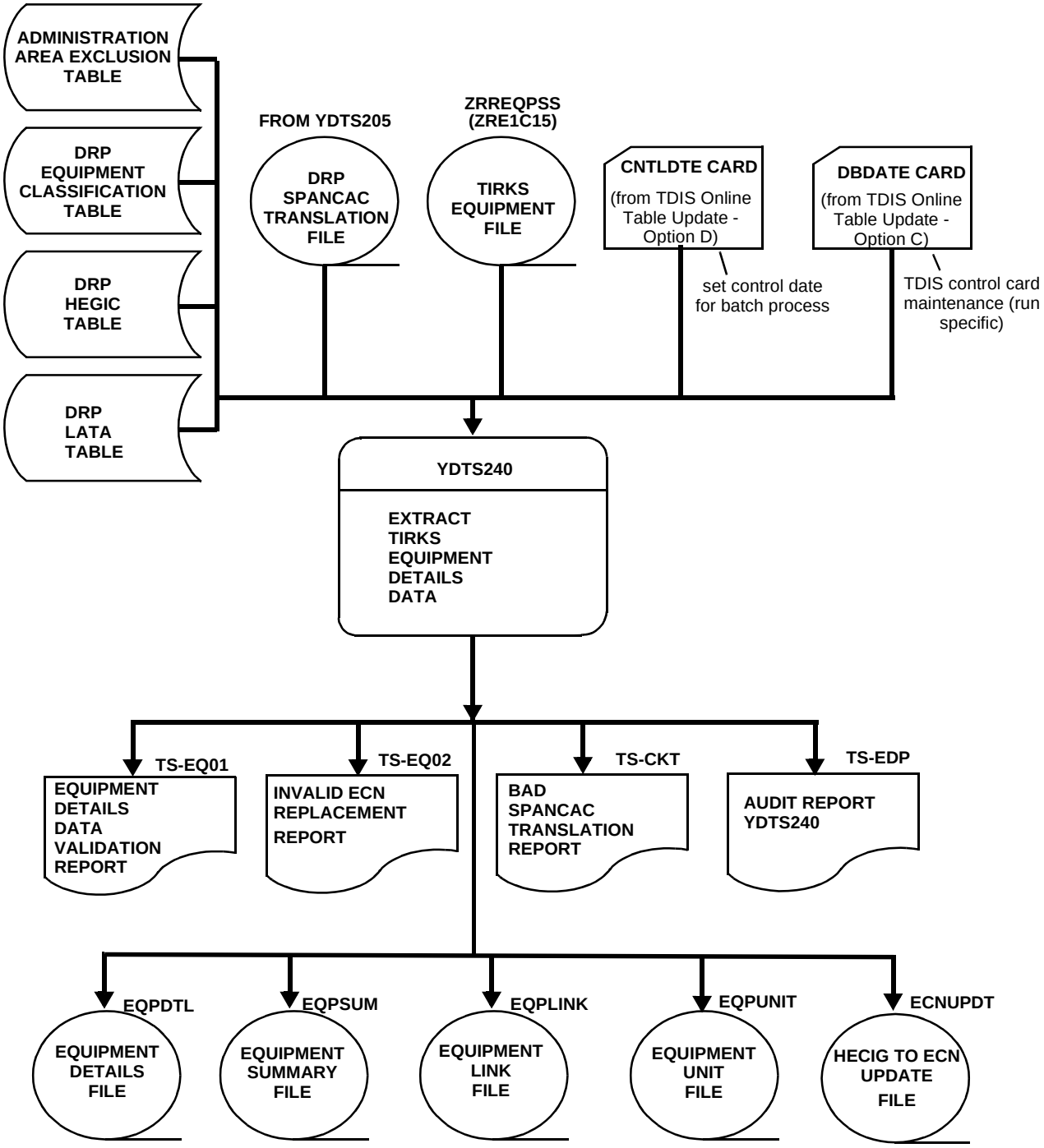


Figure 240-1. YDTS240 Program Flow Diagram

240.3 Program Flow Diagram (YDTS245)

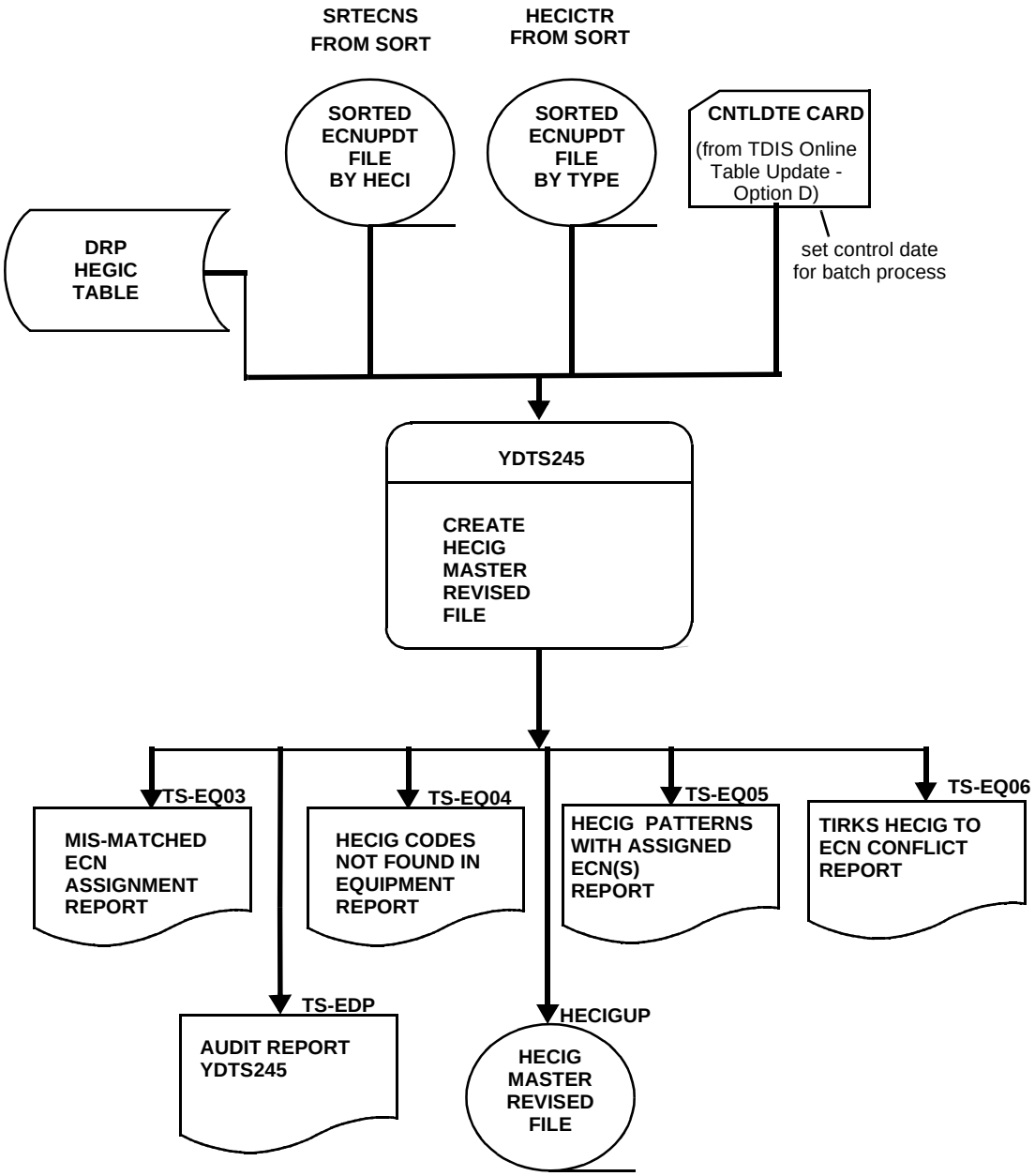


Figure 240-2. YDTS245 Program Flow Diagram

240.4 Inputs

240.4.1 Transmittal to Request the Run

The following information must be provided on the transmittal form:

1. RUN DATE - Specify the date the run is actually to be executed.
2. RUN SEQUENCE REQUIREMENTS - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B provides job sequencing requirements.
3. TAPE IDENTIFICATION (VOL=SER) - The identification number generated when the interface was created by the TIRKS process.
4. RECIPIENT OF OUTPUT - Name and address of person(s) to whom the processed reports are to be directed.

There are no user options associated with this process.

> **NOTE —** Maintenance of the CNTLDTE and DBDATE control card for this procedure are now done by the TDIS Online Tables Update Facility (TDIS-TBL).

240.4.2 Input Cards

Parameter Card - This is created using the TDIS On-Lines Tables.

Control Date Card - Use the TDIS On-Lines Tables to set this to the correct value.

240.5 Outputs

240.5.1 Equipment Details Data Validation Report: TS-EQ01 (YDTS240)

The body of this report features a quadruple column heading identifying complement level (C1), unit level (U1), ownership (C2), and utilization (C3) data. For each complement listed on the report, *only the lines required to illustrate the error condition are printed.* Following is the header description and data content for all possible lines.

COMPLEMENT LEVEL (C1) DATA ITEMS:

- Equipment Identification
  - — **Location** - The COMMON LANGUAGE Location Code for the office or building.
  - — **HECI (EQUIP CODE)** - The HECI number as it was extracted from TIRKS.
  - — **Relay Rack** - A numeric code used to designate a specific equipment location within a particular office.
- **Unit Type (TY)** - A one-character code denoting if the equipment is a mounting (M), single unit (S), Plug-In (P), Span (S), Jumpered (J), or Group (G).
- **DRP Unit Type** - TDIS-derived unit type based on equipment identified in the YDTS240 process.
- **ECN** - ECN extracted from TIRKS.
- **DRP ECN** - The ECN that was developed using the HECIG to ECN table or defaulted as discussed in the general description.
- **Error Messages** - Any two-character error message code that was generated during previous TDIS processes.

UNIT LEVEL (U1) DATA ITEMS:

- **Unit Number (UNIT**) - The individual mounting or slot location within the relay rack.
- **Divested Administrator** - This value is either obtained from the ‘‘0.0’’ line in the ownership section of the TIRKS equipment header record or by internal TDIS logic, as described in Appendix E.
- **Fault Indicator (FAULT ID**) - A one-character code identifying defective equipment. Valid entries are ‘‘Y’’ for Faulty or ‘‘N’’ for Not Faulty.

- **Inventory Control (INV CTL) -** This indicator denotes the best usage for a particular piece of equipment. This data is no longer validated by E1 tables in the TIRKS system.
- **Error Messages** - Any two-character error message code that was generated in previous TDIS procedures.

OWNERSHIP (C2) DATA ITEMS:

- **Divested Administrator** - Refer to previous definition.
- **Company #1** - First company designation on the header record.
- **Percent Owned #1** - Percentage of the equipment owned by the first company.
- **Company #2 -** Second company designation on the header record if the facility is jointly owned.
- **Percent Owned #2 -** Percentage of the equipment owned by the second company.
- **Company #3 -** Third company designation on the header record if the facility is jointly owned.
- **Percent Owned #3** - Percentage of the equipment owned by the third company.
- **Range of Units** - The number of units available for assignment as reflected in the ‘‘from’’ and ‘‘to’’ fields on the Equipment Header (EQPH).

UTILIZATION (C3) DATA ITEMS:

- **Divested Administrator -** Refer to previous definition.
- **Total Count** - The total number of units, including working, spare jumpered, bulk assigned, and defective.
- **Total Working** - The total number of units classified as working, based on the logic described in Appendix A.
- **Total Spare** - The total number of units classified as spare.
- **Total Jumpered** - The total number of units classified as jumpered based on the data contained in the Assignment Restriction field.
- **Total Working Bulk Assigned** - The total number of units classified as bulk assigned based on the data contained in the Assignment Restriction field.
- **Total Working Defective** - The total number of units that meet the criterion for “working” but are actually defective based on the data contained in the Assignment

Restriction field. (Refer to Appendix I for detailed explanations of bulk assigned and/or assignment restriction.)

Any or all of the following discrepancies may be flagged on the TS-EQ01 report:

- **2M** - Equipment Subdivision Is Bulk Assigned and Working

  NOTE — Records associated with 2M errors will not be listed on the report UNLESS other errors are also encountered.

- **2N** - Equipment Subdivision is Defective and Working
- **3E** - Invalid Equipment Identification - Location Code Not Present
- **3F** - Invalid Equipment Identification - HECI Code Not Present
- **3G** - Invalid Equipment Identification - Relay Rack Not Present for A Non-Assembly Equipment Complement

  NOTE — The 3E-3G error codes imply that the TIRKS system has passed records that are not usable. These records do not have enough information to identify them for use in TDIS. This data should also have no value to the TIRKS user because of insufficient data to identify the records

- **3H** - Invalid Equipment Type Encountered
- **3I** - Maximum Number of Unique Divested Administrator of 500 per Database Exceeded (Counts are only done on the first 500.)
- **3J** - Maximum Number of Equipment Complement Utilization/Owner Records Exceeded

  NOTE — The 3J error is assigned when the program finds more than the internal limit of 50 utilization/owner records that must be created for a unique Divested Administrator. Any significant volume of 3J errors should be reported to Bellcore for resolution.

- **3L** - Circuit ID Invalid or SPANCAC Could Not Be Translated - Count Subdivision as Spare. (Refer to Report TS-CKT -- Bad Span Translation/Bad CKT ID in Tirks.)
- **3M** - Disconnect Assignment Has a Past Due Date - Count as Spare.
- **4L** - Invalid Unit Type Received From TIRKS System - DR Unit Type Derived From The Equipment Identification

- **4M** - No ECN Received From TIRKS System - DRP ECN Generated By Use of the DRP HECIG To ECN Translation Table or assigned 800TS or 8ASMB based on unit type.
- **4N** - Invalid ECN Received From TIRKS System - DRP ECN Generated By Use of the DRP HECIG To ECN Table.
- **4O** - Equipment Classification Could Not Be Generated From the DRP Equipment Classification Table - ‘‘1’’ assumed.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BELLCORE R411 TR161   ( BC )                                                    RUN FOLDER: YDTS2400
REPORT: TS-EQ01                                                                          PROGRAM: YDTS240      R-5.0
CONTROL DATE: 10/15/92                                                                   RUN DATE:  10/26/92  17:52:58
                                    EQUIPMENT DETAILS DATA VALIDATION REPORT             PAGE:         4
                                                 DRP
C1 EQUIPMENT IDENTIFICATION              UNIT    UNIT          DRP      UNIT    DIVEST  FAULT  INV       ERROR
U1 LOCATION     HECI        RELAY RACK   TYPE    TYPE   ECN    ECN      NMBR    ADMIN   IND    CONTROL   MESSAGES
   ------------------------------------  -----   ----   -----  -----    ------  ------  -----  -------   ----------------
   DIVEST              PCT               PCT              PCT
C2 ADMIN         CPY    OWNED   CPY      OWNED   CPY     OWNED  RANGE OF UNITS
   ------        ----   -----   ----     -----   ----    -----  ----------------

                                                                    TOTAL           TOTAL
   DIVEST       TOTAL        TOTAL        TOTAL          TOTAL     WORKING         WORKING
C3 ADMIN        COUNT        WORKING      SPARE          JUMPERED  BULK ASGN       DEFECTIVE
   -------      ---------    ---------    ---------      --------- ---------       ---------
C1 BLVLIL81     **100097**   01101.01           S                                              3F
C1 BLVLIL81     ERNL6H0MAA   01101.01     P     S        842BB                               3H
C1 BLVLIL81     ERNL6L0MAA   01101.01     P     S        842BB                               3H
C1 STLSMO01     **I0000C**   REFES        *     S                                            3F
C1 STLSMO01     DXS0220ARA   00                                          9  OB               3M
C1 STLSMO01     4TM0310AAA                M              844B1
C1 STLSMO01     ZC80000BAA                S              845G2                               3G
C1 STLSMO01     PDM4P00CRA                M              008                                 3G
C1 STLSMO01     D4CBR74FRA   55041.03                     MO01                04  OB          3M
C1 STLSMO01     ER00600NAA   0000.00      P     S        842BA                               3H
C1 STLSMO02     4T90120CAA                S              844A1                               3G
C1 STLSMO02     DXS0220ARC   222.222                     MO01                 1  OB          3M
C1 STLSMO02     DXS0220ARC   222.222                     MO03                 3  OB          3M
C1 STLSMO03     **ITEM1 **   0001.01           S                                            3F
C1 STLSMO03     DXS0220ARA   01001.01                    MO01                 1  OB          3M
C1 STLSMO03     DXS0220ARC   333.333                     MO03                 2  OB          3M
C1 STLSMO03     DXS0220ARC   333.333                     MO03                 3  OB          3M
C1 STLSMO05     ER00600NAA   101001.01    P     S        842BA                               3H
C1 STLSMO41     **DELT1 **   01001.01          S                                            3F

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```

Figure 240-3. Equipment Details Data Validation Report: TS-EQ01 (Data page)

240.5.2 Audit Tracing Associated with TS-EQ01 Report (YDTS240)

The processing summary page of this report summarizes the equipment data processed and the types of discrepancies flagged. Input activity should correlate to the YDTS240 output. The summary items are as follows:

- COUNT BY DIVESTED ADMINISTRATOR (Maximum = 500)
  The number of working subdivisions broken down by Working, SPare, and Total.
- COUNTS OF DATA DISCREPANCIES DETECTED
  The number of times each message code occurs and the associated file the error code was posted in. For example, ‘‘SUM’’ indicates the error occurred in the Equipment Summary file.

```
                                        * * * * D R P - T D I S * * * *

COMPANY: BELLCORE R411 TR161   ( BC )                                          RUN FOLDER: YDTS2400
REPORT: TS-EQ01                                                               PROGRAM: YDTS240      R-5.0
CONTROL DATE: 10/15/92                                                        RUN DATE:  10/26/92  17:52:58
                                                                              PAGE:         39
                                    EQUIPMENT DETAILS DATA VALIDATION REPORT
                                       PROCESSING SUMMARY REPORT
  COUNTS BY DIVESTESTED ADMINISTRATOR :      WORKING        SPARE          TOTAL
                                OB    :        1,571      320,291        321,862
                                SW    :            0           33             33
                                SB    :            0           24             24
                                JHJK  :            0            5              5
                                LL    :            0            4              4
                                SWBT  :            0           18             18
                                NY    :            0           20             20
                                ANTO  :            0           44             44
                                AA    :            0           40             40
                                IX    :            0           40             40
                                IXSB  :            0           40             40
                                SBIX  :            0           40             40
                                WECO  :            0          601            601
                                BCR   :            1        1,001          1,002
                                IXSW  :            0           12
                                SWIX  :            0           24             24
                                SWSW  :            0           12             12
                                                ----------     ----------     ----------
                                               1,572      322,249        323,821
  COUNTS OF DATA DISCREPANCIES DETECTED :
                          TOTAL 2M (DTL) =          0
                          TOTAL 2N (DTL) =          0
                          TOTAL 3E (SUM) =          0
                          TOTAL 3F (SUM) =         68
                          TOTAL 3G (SUM) =         47
                          TOTAL 3H (SUM) =          4
                          TOTAL 3I (SUM) =          0
                          TOTAL 3J (SUM) =          0
                          TOTAL 3L (DTL) =        403
                          TOTAL 3M (DTL) =        140
                          TOTAL 4L (SUM) =         84
                          TOTAL 4L (DTL) =          0
                          TOTAL 4M (SUM) =         78
                          TOTAL 4M (DTL) =          8
                          TOTAL 4N (SUM) =      1,051
                          TOTAL 4N (DTL) =        223
                          TOTAL 4O (SUM) =          0
                          TOTAL 4O (DTL) =          0


                                    * * * * * *  END OF REPORT  * * * * * *
                                                  PROPRIETARY
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```

Figure 240-4. Equipment Details Data Validation Report: TS-EQ01 (Processing Summary Page)

240.5.3 Invalid ECN Replacement Report: TS-EQ02 (YDTS240)

This report identifies invalid ECN codes in the TIRKS data along with the ECN value replaced by TDIS. The data items on this report are as follows:

- LOCATION - The COMMON LANGUAGE Location Code for the office or building.
- HECIG - The HECI number as it was extracted from TIRKS.
- RELAY RACK - A numeric code used to designate a specific equipment location within a particular office.
- TIRKS ECN - The invalid ECN identified in the TIRKS data.
- TDIS ECN - The TDIS replaced ECN value derived using the HECIG to ECN table from the On-Line Table Update System.

* * * * D R P - T D I S * * * *

COMPANY: BASE - RELEASE 7.1 ENVIRONMENT (CB)
REPORT: TS-EQ02
CONTROL DATE: 10/30/97

RUN FOLDER: YDTS240
PROGRAM: YDTS240 R-7.1
RUN DATE: 10/29/97 14:36:39
PAGE: 1

INVALID ECN REPLACEMENT REPORT

LOCATION	HECIG	RELAY RACK	TIRKS ECN	TDIS ECN
STLSMO01	BBSF111@AA			8ASMB
STLSMO01	BBSF116@AA			8ASMB
STLSMO01	CONTROLLER	100.01	*****	800TS
STLSMO01	M3MPA0C3RA	100.01	*****	814
STLSMO01	VFJC500B--	4444.01	999	843
STLSMO01	VFJC500B--	5555.11	999	843
STLSMO01	VFJCD00J--	2222.01	999	843
STLSMO01	M3MPA0L1RA	100.01		814
STLSMO01	M3MPAAP1RA	100.01	*****	814
STLSMO01	M3MPAAR1RA	100.01	*****	814
STLSMO01	M3MPA0S1RA	100.01		814
STLSMO01	M3MPA0A1RA	100.01	*****	814
STLSMO01	BR20000ARB	1101.01	999	851
STLSMO02	CONTROLLER	100.02	*****	800TS
STLSMO02	M3MPA0C3RA	100.02	*****	814
STLSMO02	M3MPA0L1RA	100.02		814
STLSMO02	M3MPAAP1RA	100.02	*****	814
STLSMO02	M3MPAAR1RA	100.02	*****	814
STLSMO02	M3MPA0S1RA	100.02		814
STLSMO02	M3MPA0A1RA	100.02	*****	814
STLSMO42	RCDX116@AA			8ASMB
MIAMFLBH	JVF6JACKRA	04112.01	999	800TS
MIAMFLBH	JTMBJACKRA	07010.11	999	800TS
MIAMFLMA	RCRCE11@AA		*****	8ASMB
MIAMFLMA	RC12C11ERA	01121.01	999	845
MIAMFLMA	RC12C11ERA	02121.01	999	845
MIAMFLMA	JVF6JACKRA	04112.01	999	800TS
MIAMFLMA	JTMBJACKRA	07010.11	999	800TS
MIAMFLAP	RC12C11ERA	01119.01	999	845
MIAMFLAP	JVF6JACKRA	04112.01	999	800TS
MIAMFLAP	JTMBJACKRA	07010.11	999	800TS
MIAMFLAP	BNE0H00GRF	01123.01	999	845
MIAMFLAP	BNE0H00GRF	02123.01	999	845
CHRLNCBO	RCDX116@AA			8ASMB

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Figure 240-5. Invalid ECN Replacement Report: TS-EQ02

240.5.4 Bad SPANCAC Translation Report: TS-CKT (YDTS240)

This report contains data identifying equipment for records that had an invalid CAC or a CAC that could not be translated to a Circuit ID using the SPANCAC table from YDTS205.

```
                                    * * * * D R P – T D I S * * * * *
COMPANY: BELLCORE R411 TR161   ( BC )                                   RUN FOLDER: YDTS2400
REPORT: TS-CKT                                                          PROGRAM: YDTS240     R-5.0
CONTROL DATE: 10/15/92                                                  RUN DATE:  10/26/92  17:52:58
                                  BAD SPAN TRANSLATION / BAD CIRCUIT ID PAGE:        1
```

LOCATION	HECI	RELAY RACK	UNIT	SUB DIVISION	CAC	DUE DATE	CLO ACTION		CIRCUIT ID		
PISCNJMT	T1MR100ARA	01.01	1– 01		LAA2JV4	900430	IE	1	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 02		LAA2JV5	900430	IE	2	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 03		LAA2JV6	900430	IE	3	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 05		LAA2JV8	900430	IE	5	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 06		LAA2JV9	900430	IE	6	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 07		LAA2JW2	900430	IE	7	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 08		LAA2JW3	900430	IE	8	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 10		LAA2JW5	900430	IE	10	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 11		LAA2JW6	900430	IE	11	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 12		LAA2JW7	900430	IE	12	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 13		LAA2JW8	900430	IE	13	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 14		LAA2JW9	900430	IE	14	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 15		LAA2JX2	900430	I	15	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 16		LAA2JX3	900430	IE	16	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 17		LAA2JX4	900430	IE	17	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 18		LAA2JX5	900430	IE	18	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 19		LAA2JX6	900430	IE	19	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 20		LAA2JX7	900430	IE	20	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 21		LAA2JX8	900430	IE	21	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 22		LAA2JX9	900430	IE	22	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 23		LAA2JY2	900430	IE	23	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 24		LAA2JY3	900430	IE	24	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	01.01	1– 25		LAA2JY4	900430	IE	25	/HSPAN/T1S	/PISCNJMT	/SMVLNJMT
PISCNJMT	T1MR100ARA	1001.01	1– 01		LAA2GH7	831101	IE	1	/TST01/T1CS	/PISCNJMT	/SMVLNJMT

```
                                        PROPRIETARY
                                BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 240-6. Bad SPANCAC Translation Report: TS-CKT

240.5.5 Audit Report: TS-EDP (YDTS240)

The audit report summarized the input and output activities for the YDTS240 process.

The data reflected in the body of this report and the checks that should be made are as follows:

TS-EDP (TABLE DATA)

- The values of the report selection and Database Owner parameters.
- The last update date and total number of records for the DRP LATA, EQPTCLS, HECIG, and AAEXCL Tables, and the last generation number for the LATA, EQPTCLS, HECIG, and AAEXCL tables.
- **TOTAL ADMIN AREA EXCLUDED** (count of number of Equipment excluded because of matchs to AAEXCL table)Total.

> **NOTE —** This data comes from the TDIS On-line Table Update.

TS-EDP (AA-Excluded)

- **TOTALS BY ADMIN AREA** (list by Admin Area of the number of Equipment excluded)

TS-EDP (INPUT COUNTS)

- Input counts, by number read, accepted, and rejected for Segments 01 (Header), 02 (UNIT), 06 (Hierarchical), 07, (forward Pointers), 08 (Subdivision), and 09 (Assignment), and for segments read from the SPANCAC file.

TS-EDP (OUTPUT COUNTS)

- Output counts, by record type and total, for the TDIS Equipment Summary, Details, EQPLINK and EQPUNIT files.
- Number of ECNUDPT records written.

```
                                    * * * * D R P - T D I S * * * *

COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                   RUN FOLDER: YDTS240
REPORT: TS-EDP                                                                     PROGRAM: YDTS240     R-7.0
CONTROL DATE: 05/10/97                                                             RUN DATE:  05/14/97  12:04:27
                                          EDP PROCESSING AND SUMMARY               PAGE:         1
                                  CREATE DRP EQUIPMENT DETAILS/EQUIPMENT SUMMARY FILES

                                REPORT SELECTION PARAMETER: "Y"  AND  DATA BASE OWNER: "CB"

    TDIS LATA TABLE LAST GENERATION NUMBER                      =     G0003V00
    TDIS LATA TABLE LAST UPDATE                                 =     05/14/97
    TDIS LATA TABLE RECORD COUNT                                =          874

    TDIS HECIG TABLE LAST GENERATION NUMBER                     =     G0001V00
    TDIS HECIG TABLE LAST UPDATE                                =     08/25/93
    TDIS HECIG TABLE RECORD COUNT                               =          256

    TDIS EQPTCLS TABLE LAST GENERATION NUMBER                   =     G0001V00
    TDIS EQPTCLS TABLE LAST UPDATE                              =     10/21/93
    TDIS EQPTCLS TABLE RECORD COUNT                             =        1,407

    TDIS AAEXCL TABLE LAST GENERATION NUMBER                    =     G0005V00
    TDIS AAEXCL TABLE LAST UPDATE                               =     05/13/97
    TDIS AAEXCL TABLE RECORD COUNT                              =            3
    TOTAL ADMIN AREAS EXCLUDED                                  =       14,774



                                                PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 240-7. Audit Report: TS-EDP (TABLE DATA)

```
                                    * * * * D R P - T D I S * * * *

COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                    RUN FOLDER: YDTS240
REPORT: TS-EDP                                                                      PROGRAM: YDTS240     R-7.0
CONTROL DATE: 05/10/97                                                              RUN DATE:  05/14/97  12:04:27
                                          EDP PROCESSING AND SUMMARY                PAGE:         2
                                  CREATE DRP EQUIPMENT DETAILS/EQUIPMENT SUMMARY FILES

                                REPORT SELECTION PARAMETER: "Y"  AND  DATA BASE OWNER: "CB"

    TDIS AAEXCL TABLE COUNTS *** # RECORDS EXCLUDED BY ADMIN AREA
    ------------------------------------------------------------
    SL =      14,774


                                                PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 240-8. Audit Report: TS-EDP (AA - Excluded)

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CB )                                RUN FOLDER: YDTS240
REPORT: TS-EDP                                                                  PROGRAM: YDTS240     R-7.1
CONTROL DATE: 10/30/97                                                          RUN DATE:  10/29/97  14:36:39
                                          EDP PROCESSING AND SUMMARY            PAGE:         3
                                  CREATE DRP EQUIPMENT DETAILS/EQUIPMENT SUMMARY FILES

                               REPORT SELECTION PARAMETER: "Y"  AND  DATA BASE OWNER: "CB"

        *****  I N P U T S       C O U N T S  *****

    NUMBER OF EQUIPMENT 01 (HEADER) SEGMENTS          : READ     =         44,992
                                                        ACCEPTED =         33,009
                                          REJECTED(TYPE 3 ERROR) =         11,983
                                       BY PASSED (NO IN-EFFECT UNITS) =         0

    NUMBER OF EQUIPMENT 02 (UNIT) SEGMENTS            : READ     =        779,098
                                                        ACCEPTED =        508,811
                                                        REJECTED =        270,287

    NUMBER OF EQUIPMENT 06 (HIERARCHAL EQPT) SEGMENTS : READ     =        400,186
                                                        ACCEPTED =         37,349
                                                        REJECTED =        362,837

    NUMBER OF EQUIPMENT 07 (FORWARD POINTERS) SEGMENTS : READ    =        393,299
                                                        ACCEPTED =        174,943
                                                        REJECTED =        218,356

    NUMBER OF EQUIPMENT 08 (SUBDIVISION) SEGMENTS     : READ     =      1,015,624
                                                        ACCEPTED =        707,321
                                                        REJECTED =        308,303

    NUMBER OF EQUIPMENT 09 (ASSIGNMENT) SEGMENTS      : READ     =         43,974
                                                        ACCEPTED =          4,639
                                                        REJECTED =         39,335


    NUMBER OF LINECACS                                            =        1,554
                                                      TRANSLATED =          198
                                                      REJECTED   =        1,356

                                                 PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 240-9. Audit Report: TS-EDP (INPUT COUNTS)

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CB )                                  RUN FOLDER: YDTS240
REPORT: TS-EDP                                                                    PROGRAM: YDTS240     R-7.1
CONTROL DATE: 10/30/97                                                            RUN DATE:  10/29/97  14:36:39
                                          EDP PROCESSING AND SUMMARY              PAGE:         4
                                  CREATE DRP EQUIPMENT DETAILS/EQUIPMENT SUMMARY FILES

                               REPORT SELECTION PARAMETER: "Y"  AND  DATA BASE OWNER: "CB"

        *****  O U T P U T S     C O U N T S  *****

    NUMBER OF TDIS EQUIPMENT SUMMARY RECORDS WRITTEN   : DATE REC   =           1
                                                         HEADER (1) =      33,009
                                                       UTIL/OWNER  (2) =   33,024
                                                         TOTAL      =      66,034

    NUMBER OF TDIS DETAILS RECORDS WRITTEN             : DATE REC   =           1
                                                         DETAIL (1) =       4,639
                                                         TOTAL      =       4,640

    NUMBER OF TDIS EQPLINK RECORDS WRITTEN             : DATE REC   =           1
                                                         LINK   (1) =     174,943
                                                         TOTAL      =     174,944

    NUMBER OF TDIS EQPUNIT RECORDS WRITTEN             : DATE REC   =           1
                                                         UNIT   (1) =     207,560
                                                         TOTAL      =     207,561

    NUMBER OF TDIS ECNUPDT RECORDS WRITTEN             :            =       8,968









                                        * * * * * *  END OF REPORT  * * * * * *
                                                     PROPRIETARY
                                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 240-10. Audit Report: TS-EDP (OUTPUT COUNTS)

240.5.6 Mis-Matched ECN Assignment Report: TS-EQ03 (YDTS245)

This report identifies HECIG codes that have mis-matched ECNs. This means the ECN code in TIRKS from E1/CATALOG is different then the ECN assigned in the user created HECIG to ECN Table. If this condition occurs TDIS will use the ECN from TIRKS to populate the Revised HECIG Master Table that will be used by YDTS220. The data items on this report are as follows:

- HECIG PATTERN - The HECIG code as it was extracted from TIRKS.
- TIRKS ECN - The ECN code assigned the HECIG in TIRKS.
- TABLE ECN - The ECN code assigned the HECIG in the HECIG Table from the TDIS-Online Table System (TDIS-TBL).

These heading fields will appear 3 times across the top of the report.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CB )                                  RUN FOLDER: YDTS240
REPORT: TS-EQ03                                                                   PROGRAM: YDTS245     R-7.1
CONTROL DATE: 10/30/97                                                            RUN DATE:  11/12/97  15:15:16
                                      MIS-MATCHED ECN ASSIGNMENT REPORT           PAGE:         1

         HECIG PATTERN TIRKS ECN   TABLE ECN    HECIG PATTERN  TIRKS ECN  TABLE ECN    HECIG PATTERN  TIRKS ECN  TABLE ECN
         ------------- ---------   ---------    -------------  ---------  ---------    -------------  ---------  ---------
            BAMAA0D1     866         865

                                    * * * * * *  END OF REPORT  * * * * * *
                                                 PROPRIETARY
                                    BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 240-11. Mis-Matched ECN Assignment Report: TS-EQ03

240.5.7 HECIG Codes not found in Equipment Report: TS-EQ04 (YDTS245)

This report identifies HECIG codes that exist in the HECIG Table from the TDIS-Online Table System (TDIS-TBL), but not in the TIRKS data. This report can be used to clean up the user populated HECIG to ECN table by removing unused data. The data items on this report are as follows:

- HECIG CODE - The HECIG code as it was extracted from the HECIG Table created in the TDIS-Online Table System (TDIS-TBL).
- TABLE ECN - The ECN code assigned the HECIG in the HECIG Table created in the TDIS-Online Table System (TDIS-TBL).

These heading fields will appear 5 times across the top of the report.

* * * * D R P - T D I S * * * *

COMPANY: BASE - RELEASE 7.1 ENVIRONMENT (CB) RUN FOLDER: YDTS240
REPORT: TS-EQ04 PROGRAM: YDTS245 R-7.1
CONTROL DATE: 10/30/97 RUN DATE: 10/29/97 14:45:28
HECIG CODES NOT FOUND IN EQUIPMENT REPORT PAGE: 1

HECIG CODE	TABLE ECN	HECIG CODE	TABLE ECN	HECIG CODE	TABLE ECN	HECIG CODE	TABLE ECN	HECIG CODE	TABLE ECN
AR	829	BBBC	827	BBBR	826	BBB5A	826	BBB5B	869
BBB6*	869	BBB6#	826	BBCB #	837	BBCM *	826	BBCM #	837
BBGC	827	BBMR	826	BELS	851	BLAC	851	BNC*	845
BNE	845	BNQA	845	BRGU	851	BRM0	851	BRQA	849
BRQC	851	BRQL	851	BRQM	851	BRQV4	843	BR2	851
BR4	851	CP	845	CXG*	845	CXSL	843	CXSP	845
CXSS	845	CXXC	853	DC	809	DD	861	DL	843
DM *	834	DM #	837	DNQV*	809	DX *	845	DX #	846
D1	809	D2	809	D3	809	D4	809	EM	861
ER	842	ES	840	EZ	851	E5M	842	E6	841
FL*	810	FL#	841	F4MT*	809	F4QV	809	JX	829
LCAN	843	LCD	853	LCLB	870	LCLM	843	LCPA *	851
LCPA #	843	LT	833	LX *	829	LX #	837	L3	829
L4	831	L5	831	MM	829	MSLC#	809	MSOX#	808
MTM	868	MTM*	868	MTM#	868	MTP	850	MTQ	841
MTQV	841	MTQV*	841	MTS	843	MTT	843	MTVF	841
MT2	843	MT4	843	MX	829	M3	814	NI	804
NP	804	N1AS	846	N1BT	804	N1BX	824	N1C	804
N1D	824	N1F	824	N1L	824	N1M	824	N1R	824
N2A	804	N2BR	824	N2BS	804	N2B0	804	N2C	804
N2E	804	N2G	804	N2H	804	N2LR	804	N2LT	804
N2LU	824	N2MR	824	N2MS	804	N2MW	804	N2M0	804
N2P	804	N2RA	824	N2RH	824	N2RL	824	N2RT	824
N2T	804	N2W	804	N3	804	N4	804	ONBC	823
ONCP	822	ONCR	824	ONCS	822	ONCT	822	ONCV	822
ONC2	822	ONGA	822	ONGR	822	ONGT	822	ONMJ	823
ONMT	822	ONMX	823	ONON	822	ONRU	823	ONXM	823
ORQV*	808	O1	802	PDM2	845	PDM4	847	PDO2	845
PDVA	845	PDV4	845	PD02*	808	PG	850	PGQV	850
PLCM	843	PLMA	846	PLMC	846	PLM0	843	PLR	846
PL0	851	QCX	880	QN	824	RA	851	RCA0	851
RCA2	841	RCCL	845	RCCM	845	RCCT	844	RCIN	845
RCPD	845	RCQA	845	RCQC	845	RCQE	845	RCQF	845
RCQG	845	RCQH	845	RCQI	845	RCQL	845	RCQM	845
RCQN	845	RCQU	845	RC00	845	RC11	850	RC12	845
RC62	845	RC73	845	RC91	845	RC93	845	RD1	846

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Figure 240-12. HECIG Codes not found in EQUIPMENT Report: TS-EQ04

240.5.8 HECIG Patterns With Assigned ECN(s) Report: TS-EQ05 (YDTS245)

This report provides a list of ECN values assigned to a specific HECIG pattern in TIRKS. This report can be used to populated the HECIG to ECN table so that an invalid ECN found in TIRKS can be replaced with the proper ECN from E1/Catalog. For a listing of invalid ECN(s) in TIRKS refer to the TS-EQ02 (Invalid ECN Replacement) Report. The data items on this report are as follows:

- HECIG PATTERN - The HECIG code pattern derived from the HECIG codes in TIRKS.
- ECN CODE - The ECN code(s) assigned the HECIG pattern in the TIRKS data. Only the first 10 unique ECN codes found for this pattern will appear on the report.

The heading ECN CODE will appear 10 times across the top of the report.

* * * * D R P - T D I S * * * *

COMPANY: BASE - RELEASE 7.1 ENVIRONMENT (CB) RUN FOLDER: YDTS240
REPORT: TS-EQ05 PROGRAM: YDTS245 R-7.1
CONTROL DATE: 10/30/97 RUN DATE: 10/29/97 14:45:28

HECIG PATTERNS WITH ASSIGNED ECN(S) PAGE: 1

HECIG PATTERN	ECN CODE	ECN CODE	ECN CODE	ECN CODE	ECN CODE	ECN CODE	ECN CODE	ECN CODE	ECN CODE	ECN CODE
BAMAA0D1	866									
BAMAA	866									
BAMAC001	866									
BAMAC	866									
BAMAEBC1	866									
BAMAEB01	866									
BAMAE	866									
BAMA*	866									
BAMA	866									
BAM*	866									
BAM	866									
BA*	866									
BA	866									
BBCBB12H	826									
BBCBB	826									
BAMA #	866									
BA #	866									
BBCBLB01	837									
BBCBL101	837									
BBCBL	837									
BBCB69BN	826									
BBCB6	826FA	826								
BBCB #	837									
BBCB*	826	837								
BBCB	826	837	826FA							
BBC	826	837	826FA							
BB*	826	837	826FA							
BB #	837									
BB	826	837	826FA							
BRM0C907	851									
BRM0C	851									
BBCB *	826	826FA								
BBCB#	826	826FA								
BB *	826	826FA								
BRM0	851	841								
BRM#	851	841								
BRM	851	841								

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Figure 240-13. HECIG Patterns With Assigned ECN(s) Report: TS-EQ05

240.5.9 TIRKS HECIG to ECN Conflict Report: TS-EQ06 (YDTS245)

This report identifies any conflict of a HECIG at 8 characters having different ECN values assigned. TDIS will use the most frequently provided ECN code for processing. This report can be used to correct data in TIRKS. The data items on this report are as follows:

- TIRKS HECIG - The 8 character HECIG code pattern from HECIG codes in TIRKS.
- IGNORED ECN - A less frequently assigned ECN in TIRKS.
- USED ECN - The most frequently assigned ECN in TIRKS

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CB )                                RUN FOLDER: YDTS240
REPORT: TS-EQ06                                                                 PROGRAM: YDTS245     R-7.1
CONTROL DATE: 10/30/97                                                          RUN DATE:  10/29/97  14:45:28
                                          TIRKS HECIG TO ECN CONFLICT REPORT    PAGE:         1

              TIRKS HECIG    IGNORED ECN    USED ECN
              -----------    -----------    --------

                                  * * * * * *  END OF REPORT  * * * * * *
                                               PROPRIETARY
                                    BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 240-14. TIRKS HECIG to ECN Conflict Report: TS-EQ06

240.5.10 Audit Report: TS-EDP (YDTS245)

The audit report summarized the input and output activities for the YDTS245 process.

The data reflected in the body of this report and the checks that should be made are as follows:

TS-EDP (TABLE DATA)

- The last update date, total number of records, and the last generation number for the HECIG Table.

  NOTE — This data comes from the TDIS On-line Table Update.

TS-EDP (INPUT COUNTS)

- Input counts, by number read, accepted, and rejected for the SRTECNS file. These numbers should match the output numbers from the sort in step02B of JCL procedure YDTS240. The Rejected count will equal the number of entries found on the TS-EQ06 (TIRKS HECIG to ECN Conflict) report.

TS-EDP (OUTPUT COUNTS)

- Output counts for the HECIGUP (HECIG.MASTER.REVISED) file, by total (header and data) and data records. The data record count should match the TDIS HECIG TABLE RECORD COUNT produced in YDTS220.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CB )                                RUN FOLDER: YDTS240
REPORT: TS-EDP                                                                  PROGRAM: YDTS245     R-7.1
CONTROL DATE: 10/30/97                                                          RUN DATE:  10/29/97  14:45:28
                                     EDP PROGRAM SUMMARY AND AUDIT REPORT       PAGE:         1

                                        HECIG TABLE UPDATE STATISTICS

   TDIS HECIG TABLE LAST GENERATION NUMBER                      =     G0001V00
   TDIS HECIG TABLE LAST UPDATE                                 =     08/25/93
   TDIS HECIG TABLE RECORD COUNT                                =          256

        *****  I N P U T S       C O U N T S  *****

   NUMBER OF SRTECNS RECORDS                      : READ     =          1,117
   NUMBER OF SRTECNS RECORDS                      : ACCEPTED =          1,117
   NUMBER OF SRTECNS RECORDS                      : REJECTED =              0

        *****  O U T P U T S     C O U N T S  *****

   NUMBER OF HECIGUP RECORDS                      : WRITTEN  =          1,126
   NUMBER OF HECIGUP DATA RECORDS                 : WRITTEN  =          1,117



                                    * * * * * *  END OF REPORT  * * * * * *
                                                  PROPRIETARY
                                      BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 240-15. Audit Report: TS-EDP (YDTS245)

240.6 Abnormal Termination

The following condition codes may be generated during YDTS240 processing:

Condition Code 2005 - Control date blank on extract run file

Condition Code 2007 - No header record found for file name

This condition code may be the result of improper sort of data, the program not starting at the first tape, the prior program not completing correctly, or other processing malfunctions.

Condition Code 2009 - Invalid header record found on file name

This condition code may indicate that there is a mismatch on the CPU ID between the input card and the data being accessed, the control date not matching the header record, or the header record data being outside the range dictated by the TDIS logic.

Condition Code 2010 - DRP ‘‘tblname’’ File is Invalid

This indicates that one of the required table files is empty.

Condition Code 2011 - Internal Table Limit Exceeded while Processing DRP ‘‘tblname’’

This indicates that the number of entries in the table exceeds the maximum 32,750.

Condition Code 2025 - Invalid Database Owner (XX) Parameter

This condition code only indicates that the database owner was not on the valid entry table. The invalid information will be provided. This condition code does not indicate whether the value input was invalid for the company requesting the report.

Condition Code 2050 - Invalid IMS status code returned

Condition Code 2051 - Invalid SEGMENT name in the PCB mask on an IMS call

290. YDTS290 - Merge DRP Facility Details and Summary Data

290.1 General Description

The YDTS290 uses the DRP Facility Details File (FACDTLS) and the DRP Facility Summary File (FACSUM) from YDTS220 for the slave and master sites to create a merged corporate view of the data. Slave and master sites apply to those companies that have multiple processors. The designation of slave and/or master site is determined by the company. The master site is the location of the processor that will be used to create the merged or corporate view of the data.

The YDTS290 program will also handle the Generic Interface Facility Details File (YDTSFACD) and the Generic Interface Facility Summary File (YDTSFACS) from the Facility validation run YDTSU02 of the TDIS Generic Interface process. These files are not required, unless you are processing data from a source other than the TIRKS Reports databases.

The process creates the following outputs:

- Merged Facility Details File (MFACDTLS)
- Merged Facility Summary File (MFACSUM)
- Facility Hash File (FACHASH)
- Bottom Carrier File (BTTMCXR)
- Duplicate Facility Complements and Units Report (TS-DF01)
- Facility Complements Where DR-Length Overrides Priority Table Report (TS-DF02)
- EDP Program Summary and Audit Report (TS-EDP).

The Merged Facility Details File (MFACDTLS), Merged Facility Summary File (MFACSUM), Facility Hash File (FACHASH), and Bottom Carrier File (BTTCXR) will be used in the YDTS300 procedure.

Within YDTS290 is a process to eliminate the existence of duplicate facility complements and facility units that may exist if a company has multiple processors or is using a source other than TIRKS Reports databases as a feeder system to TDIS. When duplicate facility complements are encountered (same FACILITY ID’s) in the merged Facility Summary file the following logic applies:

- The CPU and DATA SOURCE from each complement is extracted and used to access the PRIORITY table which returns a priority value from the table.

- The complement with the highest priority value is the complement selected. A priority value of 1 is the highest. For more information on the PRIORITY table refer to TDIS ON-LINE TABLE UPDATE USER GUIDE (BR 759-200-003).
- Only the facility details records with matching FACILITY ID, CPU ID, and DATA SOURCE to the selected complement are retained.
- Duplicate complement records are reported on the TS-DF01 report.
- If the only DATA SOURCE encountered is “T” (TIRKS) but multiple CPUs are being processed, the complement that contains the largest sum of the 10 DR LENGTH fields contained in the associated Ownership (TYPE 2) record is kept. If the sums are equal for the complements, the one with the highest priority is kept.
- Complements that are selected because the DR LENGTH is greater but had a lower priority value are reported on the TS-DF02 report.

290.2 Program Flow Diagram

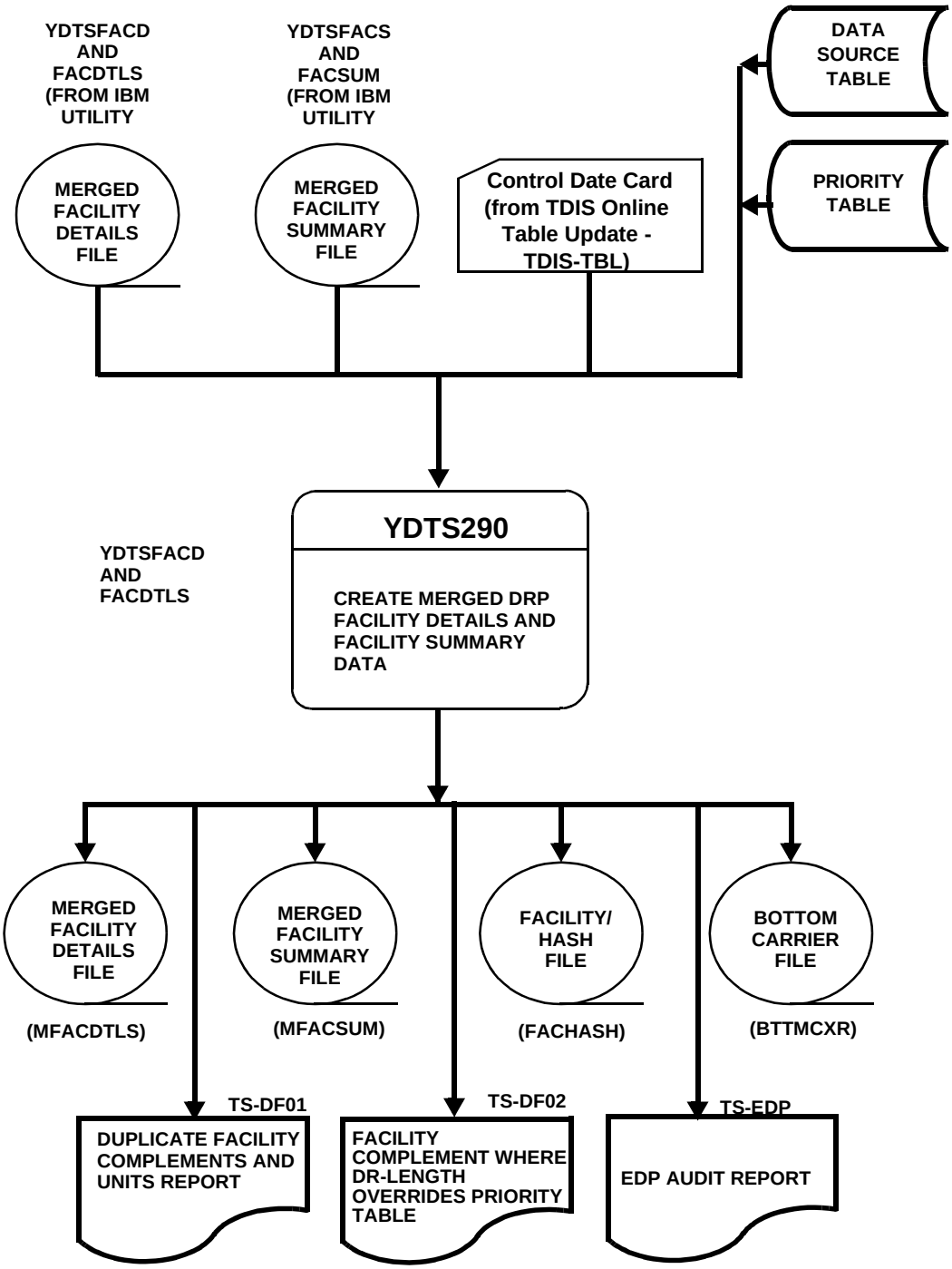

Figure 290-1. YDTS290 Program Flow Diagram

290.3 Inputs

290.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date this process is to be executed.
2. RUN SEQUENCING REQUIREMENTS - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B contains job sequencing requirements.
3. CNTLDTE CARD - This card is created by using the TDIS Online Table Update (TDIS-TBL) System. This card contains the following information:
   - Control Date - TDIS Control Date (cycle run date)
   - CPU ID - CPU ID for this execution of the run
   - DBO - DBO code is to be used as the default Divested Administrator if one cannot be determined from the owner data.
4. RECIPIENT OF OUTPUT - Name and address of the person(s) to whom the processed reports are to be delivered.

There are no user options associated with this procedure.

290.4 Outputs

290.4.1 Duplicate Facility Complements and Units Report: TS-DF01

Components with more than one TIRKS processor may have a given facility complement defined in more than one processor (CPU) when a facility crosses processor boundaries. These are known as duplicate complements. If duplicate complements are encountered between CPUs, this report will indicate which complement was retained and which was deleted from the output file.

Data will be displayed under the following column headings:

- Saved Facility Complements
  - — CXE IND - ‘‘X’’ = carrier or ‘‘C’’ = Cable
  - — Facility Identification - Complete description of facility including:
    1. Location A
    2. Location Z
    3. Cable Number / Facility Designation
    4. Last Pair / Facility Type.
  - — Facility Status - ‘‘W’’ = Working or ‘‘N’’ = Non-working
  - — CPU ID - Two-character code identifying the processor
  - — DS - DATA SOURCE of record rejected
  - — Total DR Length - The sum of the DR length fields for the facility.
  - — # Facility Detail Records - Total number of Facility Details records saved for the corresponding Facility Complement image.
- Deleted Facility Complements
  This has the same subheadings as listed above. All have the same definitions, with the following exception:
  - — # Facility Detail Records - Total number of Facility Details records deleted for the corresponding Facility Complement image.

There may be another type of duplicate complement that duplicates within one CPU. This is an abnormal situation. Only the first complement encountered is kept. The corresponding facility details records from that CPU will be deleted.

If the duplicates occurred within one CPU rather that between CPUs, then the text ‘‘DUPLICATE FACILITY KEY IN ONE CPU’’ will be printed on the ‘‘Saved Facility

Complements’’ side. On the ‘‘Deleted Facility Complements’’ side, the CXE IND, Facility ID, and number of Facility Details Records will be printed.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BELLCORE - TDIS 6.0   ( BC )                                                                    RUN FOLDER: YDTS290
REPORT: TS-DF01                                                                                          PROGRAM: YDTS290     R-6.1
CONTROL DATE: 11/01/96                                                                                   RUN DATE:  11/01/96  08:45:13
                                      DUPLICATE FACILITY COMPLEMENTS & UNITS REPORT                      PAGE:        1
              SAVED FACILITY COMPLEMENTS AND UNITS                                  DELETED FACILITY COMPLEMENTS AND UNITS
CXE               FACILITY                FAC CPU D TOTAL   # FAC CXE               FACILITY                FAC CPU D TOTAL # FAC
IND             IDENTIFICATION            STA ID  S DR LGTH  REC  IND             IDENTIFICATION            STA ID  S DR LGTH REC
--- ------------------------------------- --- --- - ------- ----- --- ------------------------------------- --- --- - ------- ----

 C  ALTNILAL01TALTNILAL06TBFX       00012   W  BC  T     0.0     5  C  ALTNILAL01TALTNILAL06TBFX       00012   W  BC  B    0.0    5
 C  ALXNVAFR   ALXNVAMV   CBL01     00030   W  BC  T     0.0     0  C  ALXNVAFR   ALXNVAMV   CBL01     00030   W  BC  B    0.0    0
 C  ALXNVAXA   WASHDCGT   LG001     00010   W  BC  T     0.0     2  C  ALXNVAXA   WASHDCGT   LG001     00010   W  BC  B    0.0    2
 C  AMATEX25   AMATEX30   FACP1     00010   W  BC  T     0.0     0  C  AMATEX25   AMATEX30   FACP1     00010   W  BC  B    0.0    0
 C  AMATEX25   AMATEX30   FACP2     00010   W  BC  T     0.0     0  C  AMATEX25   AMATEX30   FACP2     00010   W  BC  B    0.0    0
 C  AMATEX25   AMATEX30   FACP3     00010   W  BC  T     0.0     0  C  AMATEX25   AMATEX30   FACP3     00010   W  BC  B    0.0    0
 C  AMBLPAAM   CNSHPACN   100       00010   W  BC  T     0.0     0  C  AMBLPAAM   CNSHPACN   100       00010   W  BC  B    0.0    0
 C  AMBLPAAM   CNSHPACN   100       00015   W  BC  T     0.0     0  C  AMBLPAAM   CNSHPACN   100       00015   W  BC  B    0.0    0
 C  AMBLPAAM   PHLAPAMK   600       00050   W  BC  T     0.0     0  C  AMBLPAAM   PHLAPAMK   600       00050   W  BC  B    0.0    0
 C  AMMTEX01   ANNTEX02   CABL1     00010   N  BC  T     0.0     0  C  AMMTEX01   ANNTEX02   CABL1     00010   N  BC  B    0.0    0
 C  AMMTEX01   ANNTEX02   CABL2     00010   N  BC  T     0.0     0  C  AMMTEX01   ANNTEX02   CABL2     00010   N  BC  B    0.0    0
 C  AMMTEX01   ANNTEX02   CABL5     00010   W  BC  T     0.0     0  C  AMMTEX01   ANNTEX02   CABL5     00010   W  BC  B    0.0    0
 C  AMMTEX01   ANNTEX02   CABL6     00010   W  BC  T     0.0     0  C  AMMTEX01   ANNTEX02   CABL6     00010   W  BC  B    0.0    0
 C  AMMTEX01   ANNTEX02   CABL7     00010   W  BC  T     0.0     0  C  AMMTEX01   ANNTEX02   CABL7     00010   W  BC  B    0.0    0
 C  AMMTEX01   ANNTEX02   CABL8     00010   W  BC  T     0.0     0  C  AMMTEX01   ANNTEX02   CABL8     00010   W  BC  B    0.0    0
 C  AMMTEX01   ANNTEX02   CABL9     00010   W  BC  T     0.0     0  C  AMMTEX01   ANNTEX02   CABL9     00010   W  BC  B    0.0    0
 C  AMMTEX01   ANNTEX02   CAB5      00010   W  BC  T     0.0     0  C  AMMTEX01   ANNTEX02   CAB5      00010   W  BC  B    0.0    0
 C  AMMTEX01   ANNTEX02   CBL10     00001   W  BC  T     0.0     0  C  AMMTEX01   ANNTEX02   CBL10     00001   W  BC  B    0.0    0
 C  AMMTEX01   ANNTEX02   CBL10     00010   W  BC  T     0.0     0  C  AMMTEX01   ANNTEX02   CBL10     00010   W  BC  B    0.0    0
 C  AMMTEX01   ANNTEX02   CBL11     00010   N  BC  T     0.0     0  C  AMMTEX01   ANNTEX02   CBL11     00010   N  BC  B    0.0    0
 C  ASPNCO01   DNVRCO01   TK003     00010   W  BC  T     0.0     0  C  ASPNCO01   DNVRCO01   TK003     00010   W  BC  B    0.0    0
 C  ASPNCO01   DNVRCO01   1002      00020   W  BC  T     0.0     0  C  ASPNCO01   DNVRCO01   1002      00020   W  BC  B    0.0    0
 C  BASKNJ01   PISCNJ02   CB501     00100   W  BC  T     0.0     1  C  BASKNJ01   PISCNJ02   CB501     00100   W  BC  B    0.0    1
 C  BASKNJ01   PISCNJ02   CB601     00100   W  BC  T     0.0     0  C  BASKNJ01   PISCNJ02   CB601     00100   W  BC  B    0.0    0
 C  BASKNJ01   PISCNJ02   2142      00100   W  BC  T     0.0     0  C  BASKNJ01   PISCNJ02   2142      00100   W  BC  B    0.0    0

                                                PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 290-2. Duplicate and Facility Complements and Units Report: TS-DF01

290.4.2 DR LENGTH OVERRIDE PRIORITY TABLE REPORT (TS-DF02)

This report lists complements that were selected because their total DR LENGTH overrode the selection by the PRIORITY table.

Data will be displayed under the following column headings:

— CXE IND - ‘‘X’’ = carrier or ‘‘C’’ = Cable

— Facility Identification - Complete description of facility including:

1. Location A
2. Location Z
3. Cable Number / Facility Designation
4. Last Pair / Facility Type.

— Facility Status - ‘‘W’’ = Working or ‘‘N’’ = Non-working

— CPU ID - Two-character code identifying the processor

— DS - DATA SOURCE of record rejected

— Total DR Length - The sum of the DR length fields for the facility.

— # Facility Detail Records - Total number of Facility Details records saved for the corresponding Facility Complement image.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BELLCORE - TDIS 6.0   ( BC )                                                  RUN FOLDER: YDTS290
REPORT: TS-DF02                                                                        PROGRAM:    YDTS290     R-6.0
CONTROL DATE: 02/17/95                                                                 RUN DATE:   03/12/96  08:45:13
                                      ACCEPTED FACILITY COMPLEMENTS BY DR LENGTH OV     PAGE:       1
              ACCEPTED FACILITY COMPLEMENTS AND UNITS WHERE DR LENGTH OVERRIDES PRIORITY TABLE

CXE               FACILITY               FAC CPU D TOTAL   # FAC
IND             IDENTIFICATION           STA ID  S DR LGTH  REC
--- ------------------------------------ --- --- - ------- -----

                                      NO PL/I ERRORS ENCOUNTERED DURING PROCESSING.
```

Figure 290-3. DR Length Override Priority Table Report (TS-DF02)

290.4.3 Audit Report: TS-EDP

The audit report summarizes the input and output activities of the YDTS290 process. The major items on the report and the checks that should be made are as follows:

- **Facility Summary File (FACSUM) Records Read, Per Record Type And Total**
  This should correspond to the values output from the YDTS220 procedure.
- **Merged Facility Summary File (MFACSUM) Records Written, Per Record Type And Total**
- **Duplicate Facility Summary File Records Deleted, Per Record Type And Total**
  The total number of deleted records plus the total number of records written should be equal to the total number of records read.
- **Facility Details File (FACDTLS) Records Read, Per Record Type And Total**
  This should correspond to the values output from the YDTS220 procedure.
- **Merged Facility Details File (MFACDTLS) Records Written, Per Record Type And Total**
- **Duplicate Facility Details File Records Deleted, Per Record Type And Total**
  The total number of records deleted plus the total number of records written should be equal to the total number of records read.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST    ( BC )                                                    RUN FOLDER: YDTS2900
REPORT: TS-EDP                                                                          PROGRAM: YDTS290      R-5.0
CONTROL DATE: 10/15/92                                                                  RUN DATE:  12/18/92  15:35:20
                                        EDP PROGRAM SUMMARY AND AUDIT REPORT            PAGE:          2
                          CREATE MERGED FACILITY SUMMARY FILE AND MERGED FACILITY DETAILS FILE
                    FACILITY SUMMARY FILE RECORDS READ:           HEADER      (1) =       2,928
                                                                  OWNERSHIP   (2) =         817
                                                                  CONV USAGE  (3) =       2,928
                                                                  NORM USAGE  (4) =          18
                                                                  OTHER /BYPASSED =           0
                                                                  TOTAL           =       6,691
                    MERGED FACILITY SUMMARY FILE RECORDS WRITTEN: HEADER      (1) =       2,911
                                                                  OWNERSHIP   (2) =         812
                                                                  CONV USAGE  (3) =       2,911
                                                                  NORM USAGE  (4) =          18
                                                                  TOTAL           =       6,652
                    DUPLICATE FACILITY SUMMARY FILE RECORDS DELETED: HEADER      (1) =          17
                                                                  OWNERSHIP   (2) =           5
                                                                  CONV USAGE  (3) =          17
                                                                  NORM USAGE  (4) =           0
                                                                  TOTAL           =          39
                    FACILITY DETAILS FILE RECORDS READ:           FACILITY    (2) =       3,835
                                                                  NORMALIZED  (3) =          18
                                                                  OTHER /PYPASSED =           0
                                                                  TOTAL           =       3,853
                    MERGED FACILITY DETAILS FILE RECORDS WRITTEN: FACILITY    (2) =       3,828
                                                                  NORMALIZED  (3) =          18
                                                                  TOTAL           =       3,846
                    DUPLICATE FACILITY DETAILS FILE RECORDS DELETED: FACILITY    (2) =           7
                                                                  TOTAL           =           7
                                        * * * * * *  END OF REPORT  * * * * * *
                                                    PROPRIETARY
                                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 290-4. Audit Report: TS-EDP

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BELLCORE - TDIS 6.0   ( BC )                                  RUN FOLDER: YDTS290
REPORT: TS-EDP                                                         PROGRAM:    YDTS290     R-6.0
CONTROL DATE: 02/17/95                                                 RUN DATE:   03/12/96  08:45:13
                                        EDP PROGRAM SUMMARY AND AUDIT REPORT   PAGE:       3

                          CREATE MERGED FACILITY SUMMARY FILE AND MERGED FACILITY DETAILS FILE
                                          "DATA SOURCE" (YDZGIDS) TABLE
                                           ----------------------------

                                  DATA
                                  SOURCE                  DESCRIPTION
                                  ------   ---------------------------------------
                                    B      BASIC DATA SOURCE
                                    P      PVI
                                    S      SWITCH
                                    T      TIRKS DATA VIA TDIS EXTRACT PROCEDURES









                                                  PROPRIETARY
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```

Figure 290-5. DATA SOURCE Table Used in YDTS290

```
                                  * * * * D R P - T D I S * * * *
COMPANY: BELLCORE - TDIS 6.0   ( BC )                                  RUN FOLDER: YDTS290
REPORT: TS-EDP                                                         PROGRAM: YDTS290     R-6.0
CONTROL DATE: 02/17/95                                                 RUN DATE:  03/12/96  08:45:13
                                    EDP PROGRAM SUMMARY AND AUDIT REPORT   PAGE:         4

                    CREATE MERGED FACILITY SUMMARY FILE AND MERGED FACILITY DETAILS FILE
                                  "FILES TO BE PROCESSED" (YDZGIPR) TABLE
                                  ---------------------------------------

                                          DATA     DATABASE
                                   CPU    SOURCE   PRIORITY
                                   ---    ------   --------
                                   AE       B        005
                                   BC       B        002
                                   BC       T        001
                                   DL       B        011
                                   DL       T        014
                                   MS       A        010
                                   NE       B        003
                                   NJ       A        008
                                   NY       C        013
                                   OB       A        006
                                   PA       B        007
                                   PT       A        012
                                   SW       A        004
                                   WT       B        009



                                  * * * * * *  END OF REPORT  * * * * * *
                                               PROPRIETARY
                                    BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 290-6. PRIORITY Table Used in YDTS290

290.5 Abnormal Termination

Condition Code 2005 - Invalid CPU or Control Date

This condition code indicates that the control date or CPU ID is missing or invalid in the CNTLDTE card.

Condition Code 2007 - No Header Record Found For File Name

This condition code may be the result of improper sort of data, the program not starting at the first tape, the prior program not completing correctly, or other processing malfunctions.

Condition Code 2009 - Invalid Header Record

This condition code may indicate that there is a mismatch on the CPU ID between the input card and the data being accessed, that the control data does not match the header record, or that the header record date is outside the range dictated by TDIS logic.

Condition Code 2013 - Internal Table Limit Exceeded for Facility Array.

Number of CPUs to be merged exceeds four.

Condition Code 2014 - CXE Indicator in Facility Summary File is not ‘‘C’’ or ‘‘X’’

This condition should not occur. If it occurs, it may be the result of processing malfunctions in YDTS220.

Condition Code 2020 - No Facility Summary Data Found on the Extracted Facility Summary File for Facility Unit

This program maintains a continuing check on the consistency of data between the facility details file and the facility summary file. The TS-EDP report will list the CXE Indicator, Facility Identification, and Unit Number of the unmatched facility unit. This condition should not occur. If it occurs, it may be the result of processing malfunctions in YDTS220.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE

The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

300. YDTS300 - Create the Temporary Circuit Details Facility Length Files and TDIS Usage Counts to the DRP Facility Summary File

300.1 General Description

This procedure creates the TDIS Temporary Merged Circuit Details Facility Length file (TCDFACID), which contains circuit-level data for all working circuits in TIRKS. This file will be used in the downstream procedure YDTS500 (Equipment Details Merge, Placement, and DR Class Code Generation), which creates the Merged Equipment Details File (MEQPDTLS), the DRP circuit details facility length file (MCDFACID), and YDTS400 (Create Outside Plant Utilization Data Files). The TCDFACID file is created through the extraction of data from the following files and tables:

- Extracted Circuit Inventory File (YDTS200)
- DRP Facility Details File (YDTS220 and YDTS290)
- DRP Facility Summary File (YDTS220 and YDTS290)
- TDIS LATA Table
- TDIS DRDD Table
- TDIS GRPCODE Table
- TDIS TIEXCPT Table
- TDIS DATA SOURCE Table
- TDIS PRIORITY Table
- CPU ID Admin Area Table
- Facility/Hash File (YDTS290)
- Bottom Level Carrier File (YDTS290)
- Cables Provisioning Carrier File (YDTS300)
- DRP Class Code Regeneration File (YDTS300)
- DRP Carrier Linking File (YDTS300).
    - The Cables Provisioning Carrier File, DRP Class Code Regeneration File, and DRP Carrier Linking File are generated by the first invoked program (YDTS300) and are only used within the procedure for YDTS305 and YDTS310 and then discarded.

The outputs of this process are

- DRP Normalized Facility Summary File (MFACSUM)
- Temporary Merged Circuit Details Facility Length File (TCDFACID).

Descriptions of the subroutines contained in YDTS300, YDTS305, YDTS310, and YDTS325 are provided below. These programs generate audit reports that will be discussed in Section 300.4

Program YDTS300

YDTS300 synchronizes extracted circuit (EXTCKTSS) and facility details (FACDTLS) data to organize each circuit with its associated facility units. This organization is used to regenerate class code information using the DRP DRDD Table and to create the Circuit Details Facility Length File (SCDFAC) with updated separations fields and regenerated class codes. The data is ordered by TDIS CKT ID (which has a one-to-one relationship with CAC), which is the key to associating circuit and facility units. Therefore, EXTCKTSS and FACDTLS are sorted by TDIS CKT ID before YDTS300.

Regenerated class codes are written to the CCREGEN File, which is used in YDTS310 to post these class codes on the FACSUM File.

The DRP LATA Table is an input that will be used to post LATA information to each circuit.

The program checks for several data discrepancies in both the circuit and facility unit data. These discrepancies are marked in the data records (i.e., Invalid DR CKT Type, Facs with no CKTS, No Class Code, Too Many Facs/CKT, etc.)

The Facility/Hash File (FACHASH) is also used to obtain the hash number for a given facility-key. This will be used to create the Carrier Linking File (CXRLINK) for normalization of carrier usage information. Carrier (CXR) CKT-IDs are reformatted into CXR FAC-keys, which are then written out for every fac unit that provisions that CXR system. This is used in YDTS310 to post CXR usage.

The following internal logic and validation is performed by YDTS300:

1. The facility units are joined to the circuit records by matching the TDIS CKT ID of the records. The result of this is a file (SCDFAC) of circuit records with both the circuit and all the facility details records provisioned on that circuit in transmission order sequence.
2. Facility details data is rejected and flagged for any of the following conditions:
   - **Facility units assigned to nonexistent circuits (3A).** When this situation is encountered, the facility CAC is displayed under the CAC heading on the TS-ER3A report. This situation must be corrected in the TIRKS system.

- **Maximum number of facilities assigned to working circuit exceeded (3C).** If more than 600 facility units match on a working circuit, all subsequent units are assigned a 3C error and are written to the TS-ER3C report. This situation probably indicates a major problem in the TIRKS system and should be referred to investigation and resolution.

> **NOTE —** No DRP CKT Details File (SCDFAC) or DRP Class Code Regeneration File is created for any facility units marked with 3A or 3C errors.

The YDTS300 uses the Circuit Details Facility Length File (MCDFAC) from a sort merge step at the beginning of YDTS300 (sorted by the Circuit ID), the DRDD Table, the PRIORITY Table, the DATA SOURCE Table, and the CPU-ID ADM AREA Table to generate the merged output file (TCDFACID). Slave and master sites apply to those companies that have multiple processors. The designation of slave and/or master is determined by the company. The master site is the location of the processor that will be used to create the merged or corporate view of the data. This view will contain all circuits in a company.

The YDTS300 program performs the following generalized functions:

- Select a master circuit record when duplicates exist as by:

1. The CPU and DATA SOURCE from each circuit is extracted and used to access the PRIORITY table which returns a priority value from the table.
2. The circuit with the highest priority value is the master circuit selected. A priority value of 1 is the highest. For more information on the PRIORITY table refer to the TDIS-ON-LINE TABLE UPDATE USER GUIDE (BR 759-200-003).
3. If the only DATA SOURCE encountered is “T” (TIRKS) but multiple CPUs are being processed, or the priority was unable to determine a selection then steps 4 through 8 are followed.
4. Compare the record’s CPU ID, ADM-AREA to the first two characters of the CLO number. If these are equal, this is the master CPU record. If these are not equal, do the same comparison on the remaining records until all three values are equal. If still not equal, set error code ‘‘2Q’’ and go to Step 5.
5. Search the CPU ID-ADM AREA table for a match of the CPU ID for the records being processed. When a CPU ID match is found, do the following: Compare the translated ADM-AREA from the table, corresponding to the matched CPU ID, to the records ADM-AREA and the first two characters of the CLO number. If all three items are equal, then this is the selectable master record. Repeat Step 5 for each CPU record until a match is found.
6. If the above steps can not determine a master circuit the first circuit is designated as the master circuit and error code “2P” will be associated with that record.

7. The DR CKT TYPE of the master CIRCUIT record is compared to the remaining CIRCUIT records. If they are all not equal, the circuits mismatch record and the master record are flagged with a “3N” error code, and the circuits are printed on the TS-PC05 report.
8. Circuit IDs are counted and when more than five like circuit IDs are found they are printed on the TS-PC04 report. The maximum internal threshold is five for like circuits.

- Sequence facilities on merged working circuits

  Facilities are placed in transmission order by utilizing the circuit A(s) and Z(s) locations and comparing this information to the facility locations. Sequence codes are assigned to facility units only; circuits that could not be completely sequenced are flagged with message code 2H or 2I, depending on the owner of the circuit. These sequence codes are used in YDTS500 when equipment is placed on a circuit to assign class codes to the equipment based on the facility the equipment is associated with.

  Working circuits with no facility units are assigned a message code of 2F. Certain message trunk groups do not have facilities and are not flagged with 2F message codes.

- Correct transiting miles conditions on merged working circuits

  If the circuit could be totally or partially sequenced and the facilities are a combination of Interexchange-Exchange-Interexchange, the exchange facility codes are reset to interexchange if the TIRKS DR Flag is set to ‘‘Y’’ and error code ‘‘4B’’ is generated. Appendix D contains a detailed explanation of this process.

- Create the temporary Merged Circuit Details Facility Length File (with sequenced facilities) to be used in YDTS500.

The following validation and data calculations are performed on each circuit and the associated facility units once they have been matched:

1. Validation of circuit inventory data - A check is made to ensure that the ‘‘key’’ data fields of DR circuit type, CLO action, and special service locations A and Z are present and valid. If this data is invalid or missing, the appropriate message codes are generated and added to the file.

   - **Special service location A and/or Z not present (2B).** If the special service location A and/or Z is blank for a working special service circuit, a 2B error is assigned.

     NOTE — Secondary locations on open ended special service circuits are not used in the 2B error check.

- **Working circuit has an invalid DR circuit type (2K).** If the DR circuit type for a working circuit is blank or not found in the DRP DRDD Table, the circuit is assigned a 2K error.
- **Invalid multiwire indicator for cable pair assigned to a circuit carrier (2C).** All cable pairs must have a multiwire indicator of 4 or blank.
- **At least two cable pairs must be assigned to a wire-line carrier circuit (2E).** Carrier circuits must have cable pairs assigned to the circuit that are cross sections.
- **Multiwire indicators of all facilities within the same circuit cross section are not equal (2D).** For all message and special service circuits, facility units within the same cross section must have equal multiwire indicators.

2. DRP class code discrepancies are marked as follows:

- **Facility class code could not be generated by use of the DRP DRDD Table (1C).** If both the TIRKS system and DRP class codes are invalid, the facility unit is given a class code of ‘‘QQ’’ and marked with message code 1C. (Note: A 1C error is not populated if a 2K error was assigned to the circuit.)
- **No class code received from TIRKS - facility class code generated by use of the DRP DRDD Table (4A).** If the TIRKS class code is invalid and the DRP class code is valid, a 4A error is assigned and the DRP class code is used.
- **Facility class code could not be generated by use of the DRP DRDD Table - TIRKS class code is used (4E).** If the TIRKS class code is valid and the DRP class code is invalid, a 4E error is assigned and the TIRKS class code used. (Note: A 4E error is not populated if a 2K error was assigned to the circuit.)
- **Facility class code generated by use of the DRP DRDD Table is different than the one received from TIRKS - TIRKS class code is used (4F).** If both the TIRKS and DRP class codes are valid, not equal, and the DR Flag equals ‘‘N’’, a 4F error is assigned and the TIRKS system class code is used.
- **Facility class code generated by use of the DRP DRDD Table is not the same as the one received from TIRKS - TDIS class code is used (4P).** If both the TIRKS and DRP class codes are valid, not equal, and the DR Flag is not set to ‘‘N’’, a 4P error is assigned and the DRP class code is used.

The DRP class codes developed are written to the CCREGEN file with the respective pair and circuit counts. This file will be used in the YDTS310 program to update the facility summary data with this information.

The LATA table is also used in the YDTS300 program to append LATA code, POP indicator, and V&H Coordinates to the circuit location A(s) and Z(s) on the Circuit Details Facility Length File. Also the POP indicator (value of ‘I”) is used to identify independent company circuits and facilities.

Program YDTS305

YDTS305 uses the carrier reference VSAM file (CXRREF) to create four-character TDIS class codes for HICAP facility units in the CDFACID File. For carrier systems that have no facility, a special carrier reference record is created. The HICAP class code is determined by checking to determine if the circuit is intra-building or tie (by using the Tie Exception Table). If it is Tie, a group code value of ‘‘T ’’ is used along with the DR Circuit Type to determine the class code. If the circuit is Non-tie, the default group code from the parameter card is used as the DR Circuit Type to determine the class code for the carrier reference record.

Program YDTS310

The YDTS310 program merges the Facility Summary data, extracted from the TIRKS Carrier, Cable, and Tie-Cable Databases (from YDTS220) to create the DRP Merged Facility Summary Data File.

YDTS310 develops hierarchical level numbers. The Bottom Carrier Files (BTTMCXR) and Carrier Link Files (CXRLINK) are used to develop the hierarchical level number for every facility. Any facility for which a level number cannot be derived is an error. First, the BTTMCXR File is read and all facilities are assigned a level of one. Next, all level-one carriers are searched for in the CXRLINK File. If found, all facilities provisioning that carrier are assigned level two. All level-two carriers are searched for in the CXRLINK File. This process continues until all facilities are assigned a hierarchical level number.

YDTS310 posts regenerated class codes derived in YDTS300 (from the CCREGEN File). (A CCREGEN record is created for each facility detail in YDTS300 with the proper class code and circuit/pair counts. Then the file is sorted by facility key and class code [with duplicates eliminated], but these counts are summed on the one remaining record.) The CCREGEN File is matched by facility key with the FACSUM records and the class codes and counts for that facility are stored on the utilization segment (type 3 record). If more than ten class codes exist, a new type 3 record is created during normalization. The class codes and counts from lower-level facilities are carried up to the higher level that it supports.

Program YDTS325

The YDTS325 program checks that normalized records have a matching circuit record in the NCDFACID file. If the CAC code is invalid on the facility record, the program populates it with the value from the circuit record. If the facility has no matching circuit, then it is dropped and printed on the TS-PC07 report.

300.2 Program Flow Diagrams

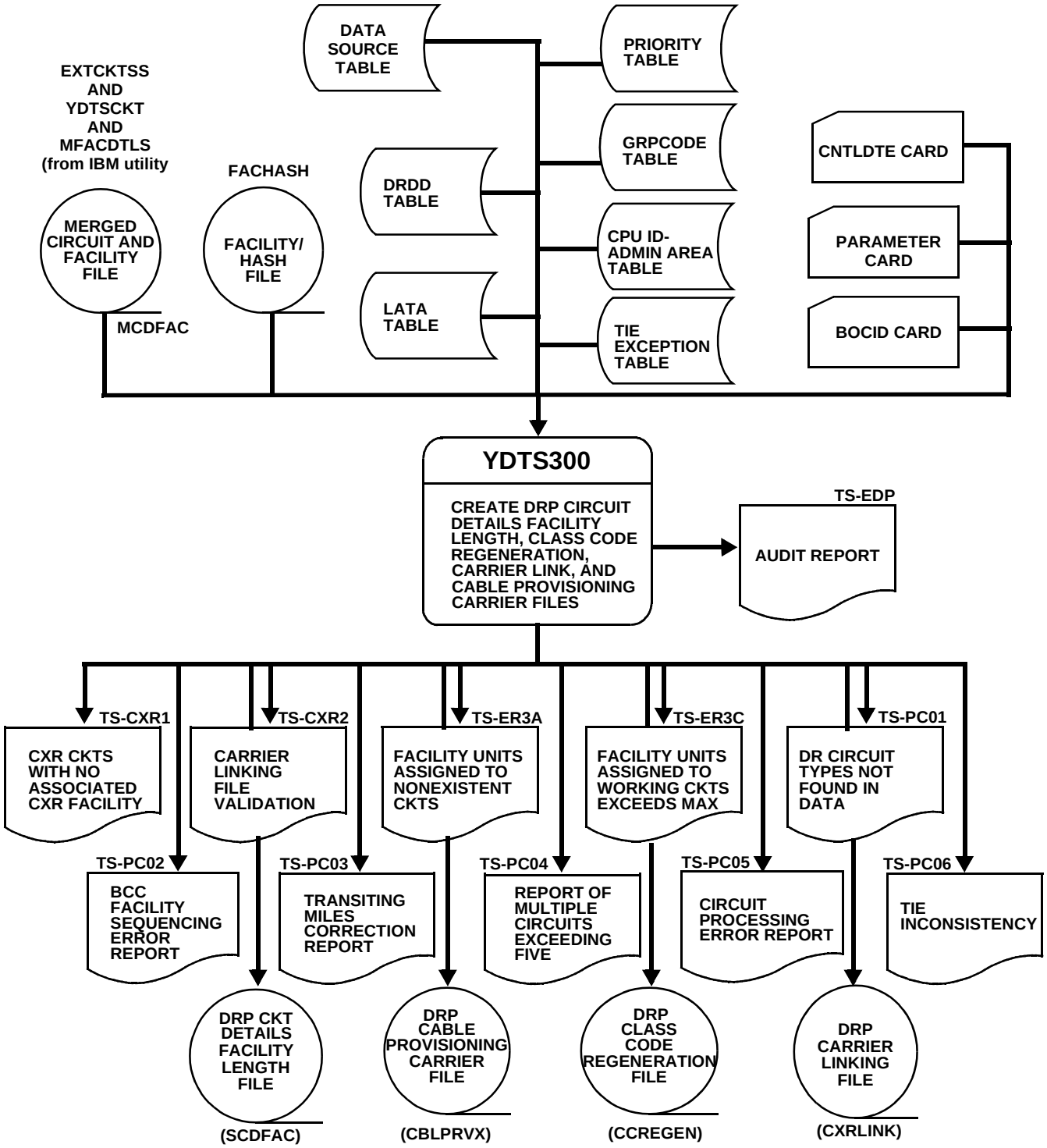


Figure 300-1. YDTS300 Program Flow Diagram

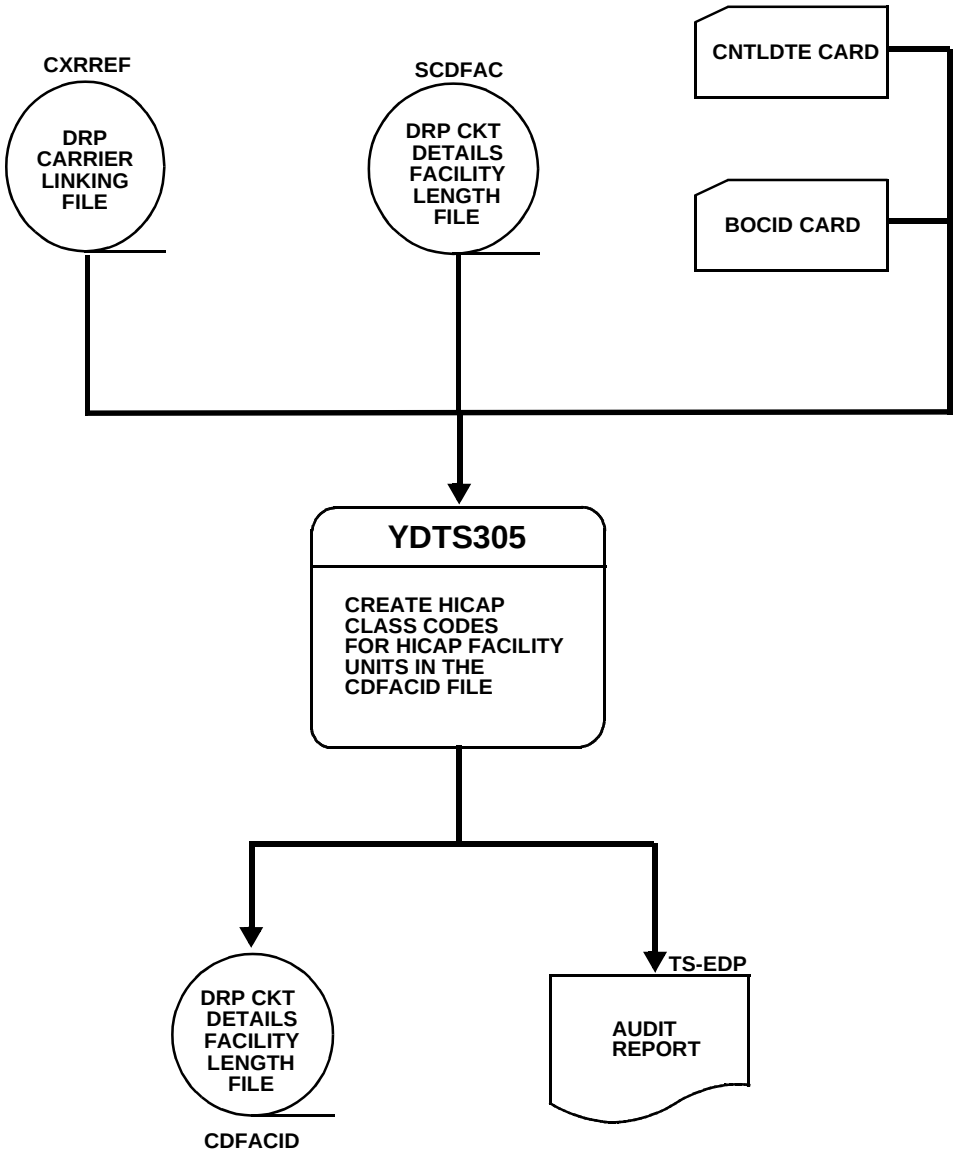


Figure 300-2. YDTS305 Program Flow Diagram

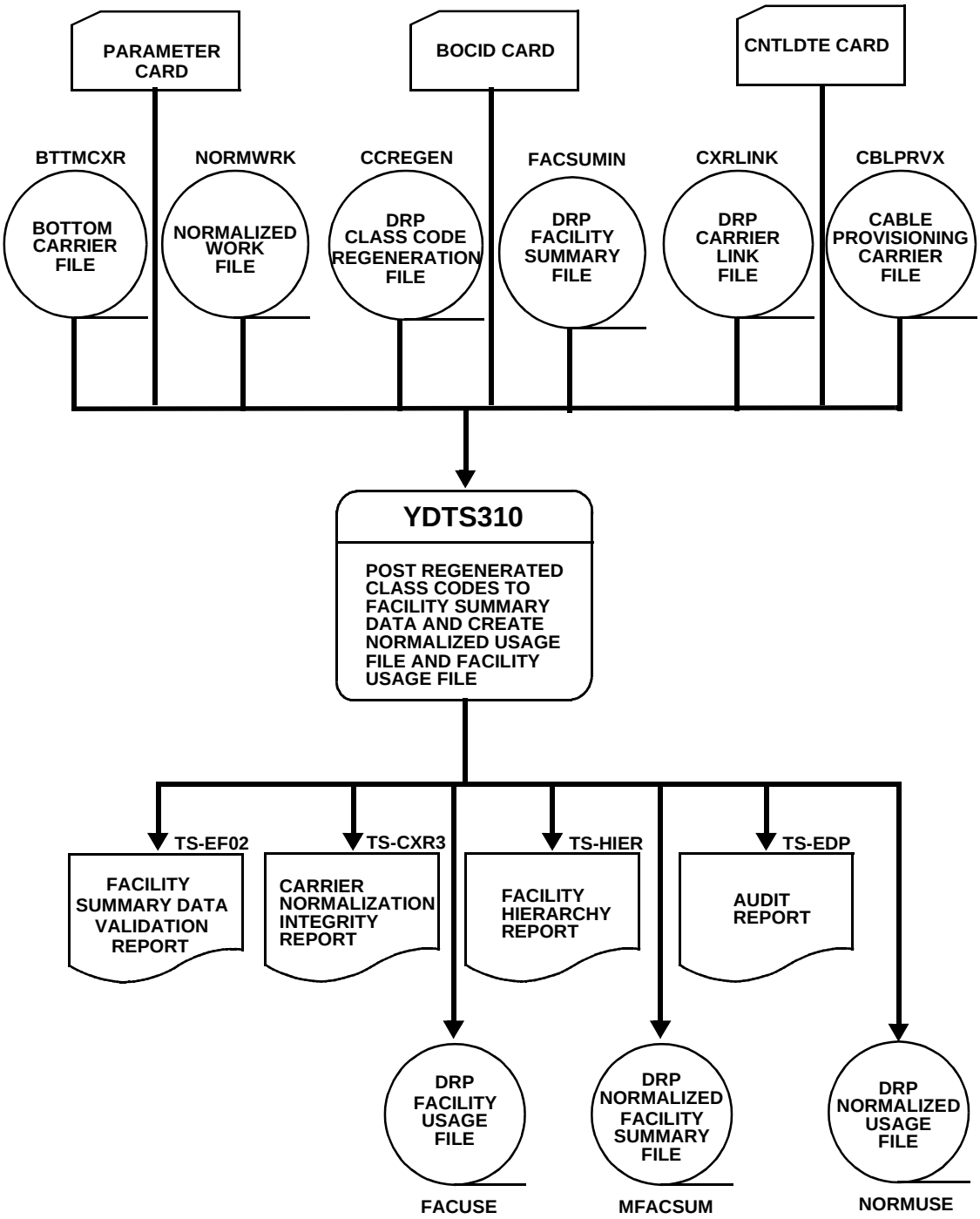


Figure 300-3. YDTS310 Program Flow Diagram

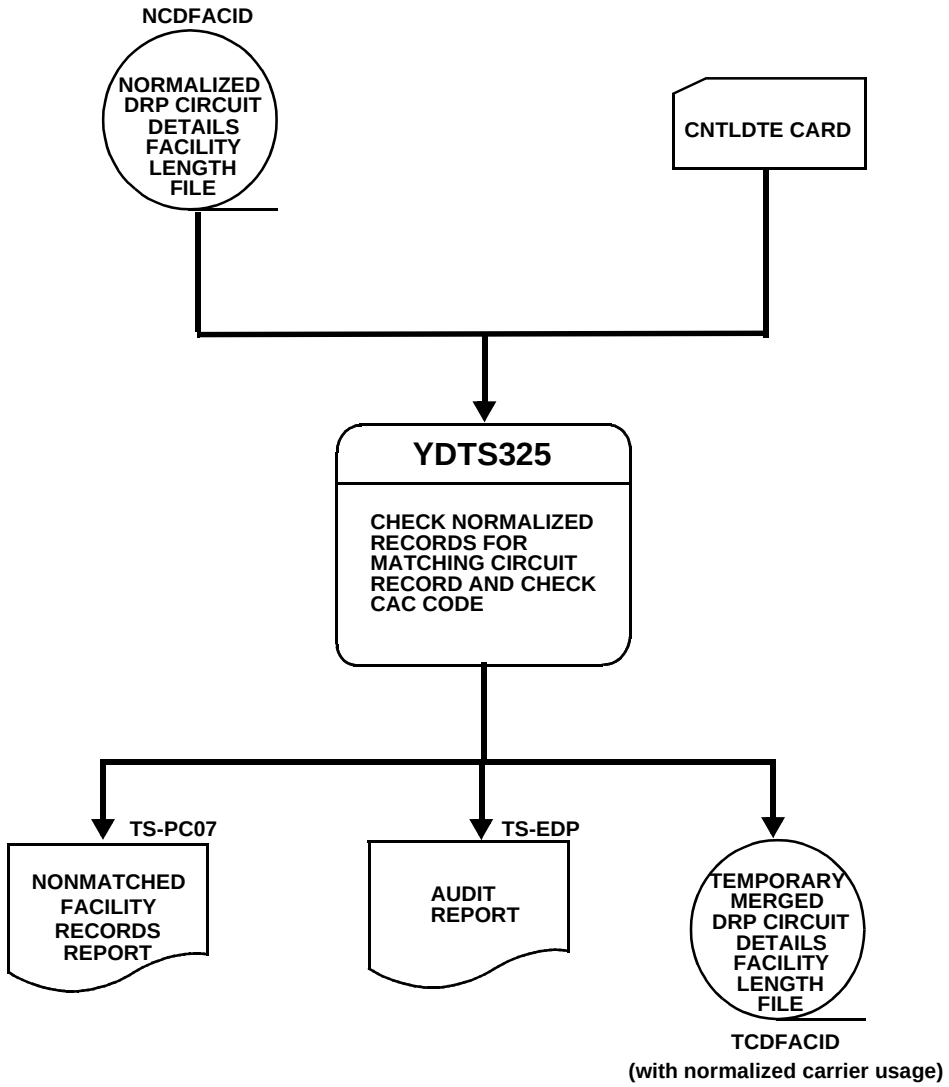


Figure 300-4. YDTS325 Program Flow Diagram

300.3 Inputs

300.3.1 Transmittal to Request the Run

The following information must be included on the transmittal form:

1. RUN DATE - Specify the date the process is to be executed.
2. RUN SEQUENCING REQUIREMENTS - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B provides job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of person(s) to whom the processed reports are to be delivered.

> **NOTE —** Maintenance of the control card for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL).

300.4 Outputs

YDTS300 Reports

300.4.1 Carrier Circuits with No Associated Carrier Facility: TS-CXR1

This report identifies carrier circuits whose corresponding carrier facility component cannot be found in the Facility/Hash File (FACHASH). The following fields will be printed on the report:

— Carrier CAC

— Carrier Circuit Identification

— Carrier Facility Identification.

```
                                    * * * * D R P – T D I S * * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                    RUN FOLDER: YDTS3000
REPORT: TS-CXR1                                                                        PROGRAM: YDTS300      R-5.0
CONTROL DATE: 10/15/92                                                                 RUN DATE:  11/02/92  14:05:13
                                  CXR CKTS WITH NO CXR FACILITY COMPLEMENT              PAGE:          1
                CXR CAC          CARRIER CIRCUIT IDENTIFICATION          CARRIER FACILITY IDENTIFICATION
                --------  ----------------------------------------  ----------------------------------------
                CMM4KU3   T1   /D3    /ALTNILAL06T/STLSMO0924T      XALTNILAL06TSTLSMO0924TT1        D3
                CMM4ZY9   GROOO/T1    /BLTMMDDT   /BLTMMDLB        XBLTMMDDT   BLTMMDLB   GROOO     T1
                CMM2PQ2   201  /ON2G1 /BLVLIL81   /STLSMO09         XBLVLIL81   STLSMO09   201       ON2G1
                CMM2PT6   202  /N2    /BLVLIL8105T/STLSMO09TBD     XBLVLIL8105TSTLSMO09TBD202       N2
                CMM3HP4   12345/N2    /BLVLIL8105T/STLSMO0914T     XBLVLIL8105TSTLSMO0914T12345     N2
                CMM2PQ3   202  /ON2G1 /BLVLIL8105T/STLSMO0914T     XBLVLIL8105TSTLSMO0914T202       ON2G1
                CMM2PS2   505  /N2    /BLVLIL8105T/STLSMO0914T     XBLVLIL8105TSTLSMO0914T505       N2
                CMM4BX7   101N1/D1A   /DNVRCOMAAT1/LKWDCOMAAT1     XDNVRCOMAAT1LKWDCOMAAT1101N1     D1A
                CMM4ZD8   01   /T1    /E1AMBLY    /SMVLNJMT       XE1AMBLY    SMVLNJMT   01        T1
                CMM2MZ3   202  /N2    /FLVRMOGE05T/STLSMO0924T     XFLVRMOGE05TSTLSMO0924T202       N2
                CMN4BJ8   512  /T1    /GTASNJCSDC0/GTASNJDMDC2     XGTASNJCSDC0GTASNJDMDC2512       T1
                CMN4AW5   81683/N3    /HELMETTA   /TC083142250     XHELMETTA   TC08314225081683     N3
                CMM3NX2   T2   /A     /J          /M              XJ          M          T2        A
                CMM3RC2   T2   /C     /J          /M              XJ          M          T2        C
                CMN4FW7   STS01/T1    /LHDVLOCB   /LHDVLOCD       XL DVLOCB   LHDVLOCD   STS01     T1
                CMM2YM8   MATT1/N1    /LOCRD      /RRC2           XLCCRD      RRC2       MATT1     N1
                CMM2YM9   MATT2/N1    /LOCRD      /RRC2           XLCCRD      RRC2       MATT2     N1
                CMM4YN4   102  /D2    /MIAMFLC1   /MIAMFLC2       XMIAMFLC1   MIAMFLC2   102       D2
                CMM2ZN7   10101/ON2G5 /MIAMFLLR03T/MIAMFLSM66A     XMIAMFLLR03TMIAMFLSM66A10101     ON2G5
                CMM4VR5   T1   /T1DM  /MLVLNJ01   /NEPTNJ01        XMIVLNJ01   NEPTNJ01   T1        T1DM
                CMN4AQ6   LGSN1/N1    /PISCNJMT   /SMVLNJMT       XPISCNJMT   SMVLNJMT   LGSN1     N1
                CMN4BS8   LOH01/T1    /PISCNJMT   /SMVLNJMT       XPISCNJMT   SMVLNJMT   LOH01     T1
                CMN4AQ7   LS2N1/N1    /PISCNJMT   /SMVLNJMT       XPISCNJMT   SMVLNJMT   LS2N1     N1
                CMN4AQ8   LS3N1/N1    /PISCNJMT   /SMVLNJMT       XPISCNJMT   SMVLNJMT   LS3N1     N1
                CMM4YG8   101T1/D1A   /PISCNJMT   /SMVLNJMT       XPISCNJMT   SMVLNJMT   101T1     D1A
                CMN4AX4   111  /T0    /PISCNJMT   /SMVLNJMT       XPISCNJMT   SMVLNJMT   111       T0
                CMM4WY9   12345/N1    /PISCNJMT   /SMVLNJMT       XPISCNJMT   SMVLNJMT   12345     N1
                CMM4YX7   101N3/N3    /PISCNJMT   /STLSMO01       XPISCNJMT   STLSMO01   101N3     N3
                CMM4ZQ8   603A6/A     /PISCNJMT   /WHHSNJT1       XPISCNJMT   WHHSNJT1   603A6     A
                CMM4XD4   102T1/D1D   /SMVLNJMT   /WHHSNJT1       XSMVLNJMT   WHHSNJT1   102T1     D1D
                CMM4XY6   103T1/T1    /SMVLNJMT   /WHHSNJT1       XSMVLNJMT   WHHSNJT1   103T1     T1
                CMM4XD6   301T1/D3    /SMVLNJMT   /WHHSNJT1       XSMVLNJMT   WHHSNJT1   301T1     D3
                CMM4XD7   102T1/D1A   /SMVLNJMT   /WHHSNJT2       XSMVLNJMT   WHHSNJT2   102T1     D1A
                CMM4XJ6   MD12 /A2    /SMVLNJMT   /WHHSNJT2XBT     XSMVLNJMT   WHHSNJT2XBTMD12   A2
                CMM4XD9   102  /D1A   /SMVLNJMT   /WHHSNJT3       XSMVLNJMT   WHHSNJT3   102       D1A
                CMM4YK2   102T1/D1A   /SMVLNJMT   /WHHSNJT3       XSMVLNJMT   WHHSNJT3   102T1     D1A
                CMM4XD5   102T1/D1D   /SMVLNJMT   /WHHSNJT3       XSMVLNJMT   WHHSNJT3   102T1     D1D
                CMM4XE2   302T1/D3    /SMVLNJMT   /WHHSNJT3       XSMVLNJMT   WHHSNJT3   302T1     D3
                CMM3HP9   00001/T1    /STLSMOMA01 /STLSMO01       XSTLSMOMA01 STLSMO01   00001     T1
                CMN4AN2   00001/T1    /STLSMO01   /STLSMO01       XSTLSMO01   STLSMO01   00001     T1
                CMM4XN8   DATA1/N2    /STLSMO01   /STLSMO0101T     XSTLSMO01   STLSMO0101TDATA1     N2
                CMM2TR4   //////N2    /STLSMO01   /STLSMO02        XSTLSMO01   STLSMO02   /////     N2
                CMM3ZV7   COPY1/N3    /STLSMO01   /STLSMO02        XSTLSMO01   STLSMO02   COPY1     N3
                CMM3RZ8   D2   /N1    /STLSMO01   /STLSMO02        XSTLSMO01   STLSMO02   D2        N1
                CMM3RZ9   D2   /N2    /STLSMO01   /STLSMO02        XSTLSMO01   STLSMO02   D2        N2
                CMM3SF6   D3   /N3    /STLSMO01   /STLSMO02        XSTLSMO01   STLSMO02   D3        N3
                CMM3RP3   F    /C     /STLSMO01   /STLSMO02        XSTLSMO01   STLSMO02   F         C
                CMM3RZ5   F    /N1    /STLSMO01   /STLSMO02        XSTLSMO01   STLSMO02   F         N1
                CMM3RP7   F    /N2    /STLSMO01   /STLSMO02        XSTLSMO01   STLSMO02   F         N2
                                                  PROPRIETARY
                                    BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-5. Carrier Circuits with No Associated Carrier Facility: TS-CXR1

300.4.2 Carrier Linking File Validation: TS-CXR2

This report identifies severe carrier linking problems discovered in carrier information (e.g., a carrier system provisioned onto itself, etc.). The following fields will be printed on the report:

— Carrier CAC

— Circuit Format Code

— Carrier Circuit Identification

— Facility Unit Identification

— Error Messages.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                  RUN FOLDER: YDTS300
REPORT: TS-CXR2                                                                   PROGRAM: YDTS300     R-7.0
CONTROL DATE: 03/24/97                                                            RUN DATE:  05/02/97  14:57:22
                                          CARRIER LINKING FILE VALIDATION REPORT  PAGE:         1

 CARRIER   CKT              CARRIER CIRCUIT                                FACILITY UNIT                  ERR
   CAC     FMT              IDENTIFICATION                                 IDENTIFICATION                 MSG
 --------  ---  ---------------------------------------------  ----------------------------------------  ---
 CMN4DF6    C   601  /T1    /PISCNJBB   /PISCNJMTK01           XPISCNJBB   PISCNJMTK01601       T1    00001   6I
 CMN4RR7    C   LOOP1/T1    /WASHDCAC   /WASHDCLC              XWASHDCAC   WASHDCLC   LOOP1     T1    00001   6I
 CMN4RR4    C   LOOP1/T4    /WASHDCAC   /WASHDCLC              XWASHDCAC   WASHDCLC   LOOP1     T4    00001   6I









                                      * * * * * *  END OF REPORT  * * * * * *
                                                   PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-6. Carrier Linking File Validation: TS-CXR2

300.4.3 Facility Unit Assigned to Nonexistent Carriers: TS-ER3A

This report identifies all facility units for which a circuit with a matching CAC could not be found in the circuit data. Facility unit information printed in the report will be grouped together for all facility units with equal CPCs. When a CPC value changes, a blank line will be printed to end the grouping. The following fields will be printed on the report:

- Carrier CAC
- CXE Indicator (C = Cable, X = Carrier)
  - — Facility Terminal Location A
  - — Facility Terminal Location Z
  - — Cable Number / Facility Designation
  - — Last Pair / Facility Group
- Unit Number
- Assignment Subdivision
- Multiwire Indicator
- DR Group Code
- TIRKS DR Class Code
- TDIS DRP Class Code
- DR Flag.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                    RUN FOLDER: YDTS3000
REPORT: TS-ER3A                                                                        PROGRAM: YDTS300      R-5.0
CONTROL DATE: 10/15/92                                                                 RUN DATE:  12/15/92  16:07:40
                                        FACILITY UNITS ASSIGNED TO NON-EXIST CIRCUIT   PAGE:         1
                FACILITY IDENTIFICATION
   CAC      CXE  TERMINAL     TERMINAL     CABLE #/  LAST PAIR/            ASGT    MW   DR GRP  TIRKS DR     T/DIS DR    DR
            IND  LOCATION A   LOCATION Z   FAC DES   FAC GROUP    UNIT #   SUBD    IND  CODE    CLASS CODE   CLASS CODE  FLAG
   -------- ---  -----------------------------------------------  ------   ----    ---  ----    ----------   ----------  ----
   SMM3HP7  X    STLSMO01     STLSMO02     101       D1A          00001                                                    Y
   MMN4PW5  C    BLTMMDCH     BLTMMDED     TK002     00020        00005    10                  MI                          Y
   MMN4PW5  X    BLTMMDED     BLTMMDHM     102N1     N1           00005                        MI                          Y
   MMN4RX2  C    BLTMMDCH     BLTMMDED     TK002     00020        00009    10                  MI                          Y
   MMN4TA6  C    BLTMMDCH     BLTMMDED     TK002     00020        00012    10                  MI                          Y
   MMN4TA6  X    BLTMMDED     BLTMMDHM     102N1     N1           00011                        MI                          Y
   MMM2PP9  C    BLVLIL81     STLSMO09     CLAUD     00025        00001    10       X                                      Y
   MMM2PP9  C    BLVLIL81     STLSMO09     CLAUD     00025        00002    10       X                                      Y
   MMM2PP9  C    BLVLIL81     STLSMO21     FIFI      00019        00001    10                                              Y
   MMM2PP9  C    STLSMO09     STLSMO21     JAIL      00050        00001    10                                              Y
   MMQ4PA7  X    GTASNJCSDC0  PISCNJMTPOI  101       T1           00003                 E       K1                          Y
   MMQ4PA8  X    GTASNJCSDC0  PISCNJMTPOI  101       T1           00004                 E       K1                          Y
   MMQ4PA9  X    GTASNJCSDC0  PISCNJMTPOI  101       T1           00005                 E       K1
   MMQ4PB2  X    GTASNJCSDC0  PISCNJMTPOI  101       T1           00006                 E       K1
   CMN4DQ3  X    GTASNJGT     PISCNJMT     101       T3X          00002                 I       XA
   MMQ4PA2  X    GTASNJCSDC0  GTASNJGTCG0  101       T1           00003                 E       K1
   MMQ4PA3  X    GTASNJCSDC0  GTASNJGTCG0  101       T1           00004                 E       K1
   MMQ4PA4  X    GTASNJCSDC0  GTASNJGTCG0  101       T1           00005                 E       K1
   MMQ4PA5  X    GTASNJCSDC0  GTASNJGTCG0  101       T1           00006                 E       K1
   CMN4FV8  X    MANZORX1     MANZORX2     0001      T1           00001
   CMN4FV8  X    MANZORX1     MANZORX2     0001      T1           00002
   MMP4VA4  X    SMVLNJMT     WHHSNJT2     201N2     N2           00003
   MMP4VA5  C    SMVLNJMT     WHHSNJT2     CA109     00100        00011    10           E
   MMP4VA5  X    PISCNJMT     WHHSNJT2     101T1     T1           00002
                                                    PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-7. Facility Unit Assigned to Nonexistent Carriers: TS-ER3A

300.4.4 Facility Unit Assigned to Working Carriers Exceeds Maximum Allowed: TS-ER3C

This report identifies all facility units that are assigned to a circuit in excess of 600. The circuit information is printed first, followed by all facility units assigned to that circuit in excess of 600. When a new circuit is encountered, a blank line will be printed to end the circuit and facility grouping. The following fields will be printed on the report:

DESCRIPTION OF C LINE COLUMN HEADINGS

- Character ‘‘C’’, identifying a circuit record
- Circuit Format Code (C = Carrier, M = Message, S = Special Service)
- Circuit Identification
- CAC
- DR Circuit Type
- Special Service Location A
- Special Service Location Z
- **LOCATION A2** - Indicates the secondary originating office/location of an OPEN ENDED CIRCUIT
- **LOCATION Z2** - Indicates the secondary terminating office/location of an OPEN ENDED CIRCUIT.

DESCRIPTION OF F LINE COLUMN HEADINGS

- CXE Indicator (C = Cable, X = Carrier)
  - — Facility Terminal Location A
  - — Facility Terminal Location Z
  - — Cable Number / Facility Designation
  - — Last Pair / Facility Group
- Unit Number
- Assignment Subdivision
- Multiwire Indicator
- DR Group Code
- TIRKS DR Class Code

- TDIS DRP Class Code
- DR Flag.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                    RUN FOLDER: YDTS300
REPORT: TS-ER3C                                                                     PROGRAM: YDTS300     R-7.0
CONTROL DATE: 03/24/97                                                              RUN DATE:  05/02/97  14:57:22
                                     FAC UNITS ASSIGNED TO WRKG CKT EXCEEDS MAX     PAGE:         1

   CKT                                                    DR CKT  SPEC SERV    SPEC SERV
C  FRMT  CIRCUIT IDENTIFICATION                    CAC     TYPE    LOCATION A   LOCATION Z   LOCATION A2  LOCATION Z2
   ----  ---------------------------------------  --------  ------  -----------  -----------  -----------  -----------
         FACILITY IDENTIFICATION
   CXE   TERMINAL    TERMINAL    CABLE #/  LAST PAIR/          ASGT    MW   DR GRP  TIRKS DR     TDIS DR     DR      DATA
F  IND   LOCATION A  LOCATION Z  FAC DES   FAC GROUP    UNIT #  SUBD    IND  CODE    CLASS CODE   CLASS CODE  FLAG   SOURCE
   ---   ---------------------------------------    ------    ----    ---  ----    ----------   ----------  ----   ------

                                          NO DATA SELECTED FOR THIS REPORT

                                      * * * * * *  END OF REPORT  * * * * * *
                                                    PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-8. Facility Unit Assigned to Working Carriers Exceeds Maximum Allowed: TS-ER3C

300.4.5 No Match of DRCKT to DRDD Table: TS-PC01 - Data Analysis Information

This report lists all DR circuit type codes that exist on the DRDD table, but were not encountered during YDTS300 program processing. This information can be used to remove codes from the DRDD table that no longer reside in the TIRKS database.

Caution must be exercised when removing codes from the DRDD because a code listed on this report may be associated with a new service that is not currently working in TIRKS. Once a code is removed from the DRDD table, circuits having that DR circuit type cannot be input to the TIRKS system. If an attempt is made to input a code not on the DRDD, a warning message is output to the GOC screen and order entry is prohibited.*

This report consists of a list of DR circuit types.

```
                                         * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST    ( BC )                                                                   RUN FOLDER: YDTS3000
REPORT: TS-PC01                                                                                        PROGRAM: YDTS300      R-5.0
CONTROL DATE: 10/15/92                                                                                 RUN DATE:  11/02/92  14:05:13
                                        DRP DRDD DR CKT TYPES NOT FOUND IN CKT DATA                    PAGE:           1
```

DRCKT TYPE	DRCKT TYPE	DRCKT TYPE	DRCKT TYPE	DRCKT TYPE	DRCKT TYPE	DRCKT TYPE	DRCKT TYPE	DRCKT TYPE	DRCKT TYPE	DRCKT TYPE	DRCKT TYPE	DRCKT TYPE	DRCKT TYPE	DRCKT TYPE	DRCKT TYPE	DRCKT TYPE	DRCKT TYPE
AAF11	AAI11	AAP11	ABA11	ABA12	ACA11	ACA12	ACE12	ACG21	ACG22	ACH81	ACL11	ACL12	ACN11	ACN12	ACS11	ACV11	ACV12
ACW11	ACW12	ACZ11	ACZ12	ADA61	ADI11	ADI12	ADM12	ADP41	ADP42	ADQ51	ADQ52	ADR61	ADR62	ADS61	ADS62	ADW71	ADW72
AEA11	AEC11	AEE11	AEN11	AEW11	AEW12	AFD11	AFD12	AFTG1	AFTG2	AFT11	AFT12	AFV11	AFW11	AFXG1	AFXG2	AFX11	AFX12
AHC8Z	AHC81	AHC82	AHF1Z	AHF11	AHF12	AHG1Z	AHG11	AHG12	AHS11	AHS12	AIT11	AIT12	ALB11	ALB12	ALC11	ALD11	ALD12
ALE11	ALE12	ALF11	ALF12	ALG1Z	ALG11	ALH11	ALH12	ALJ11	ALJ12	ALK11	ALN11	ALN12	ALP11	ALP12	ALR11	ALR12	ALT11
AMA12	AMT11	AMT12	ANS11	ANT21	ANT22	ANU21	ANU22	ANV21	ANV22	ANW21	ANW22	ANY31	ANY32	AOC11	AON11	AON12	AOP11
AOP12	AOS11	AOS12	APA12	APE11	APE12	APF11	APF12	APJ11	APJ12	APK11	APL11	APL12	APN11	APN12	ARA11	ART11	ART12
ASA11	ASA12	ASB11	ASB12	ASD11	ASD12	ASE11	ASE12	ASF11	ASF12	ASGB2	ASGK2	ATA11	ATA12	ATF11	ATF12	ATK11	ATL11
ATL12	ATT21	ATT22	ATV11	ATV12	ATW11	ATW12	AVM11	AVM12	AWB71	AWE71	AWI11	AWI12	AWI13	AWO11	AWO12	AWO13	AWS11
AWS12	AWS13	AWU22	AWV12	AWX1Z	AWX11	AWX12	AWX13	AXA41	AXA42	AXB51	AXB52	AXG61	AXG62	AXH71	AXH72	AZA11	AZA12
AZF11	AZQ11	AZS11	AZV11	CXRSP	CXRXB	MSGAS	MSGAX	MSGCO	MSGC2	MSGC3	MSGDA	MSGDE	MSGIR	MSGKM	MSGK2	MSGNB	MSGRE
MSGRH	MSGRI	MSGSW	NAA1Z	NAB7Z	NAD1Z	NAD12	NAD13	NAF1Z	NAF11	NAF12	NAH13	NAI1Z	NAI13	NAL1Z	NAL12	NAL13	NAM7Z
NAM72	NAM73	NAN1Z	NAN12	NAN13	NAP11	NAU13	NBA1Z	NBA13	NBL13	NBS13	NCA16	NCI1Z	NCI12	NCI13	NCL1Z	NCL12	NCL13
NCP1Z	NCP12	NCP13	NCS1Z	NCS12	NCS13	NCT12	NCT13	NCX12	NCX13	NDA6Z	NDA62	NDA63	NDH8Z	NDH82	NDH83	NDI1Z	NDI12
NDI13	NDJ12	NDJ13	NDK1Z	NDK12	NDK13	NDL1Z	NDL12	NDL13	NDO1Z	NDO12	NDO13	NDP4Z	NDP42	NDP43	NDQ5Z	NDQ52	NDQ53
NDR6Z	NDR62	NDR63	NDS6Z	NDS62	NDS63	NDT13	NDU13	NDW7Z	NDW72	NDW73	NEF13	NEL1Z	NEL12	NEL13	NEM1Z	NEM12	NEM13
NEQ1Z	NEQ13	NES1Z	NFD1Z	NFD11	NFD12	NFD13	NFL12	NFR1Z	NFR12	NFR13	NFT1Z	NFT12	NFT13	NFV1Z	NFV12	NFV13	NFW1Z
NFX12	NHQ5Z	NHQ53	NHR6Z	NHR62	NHR63	NHW7Z	NHW72	NHW73	NIB1Z	NIT1Z	NIT12	NIT13	NJA1Z	NJC1Z	NJD1Z	NJE1Z	NJF1Z
NJM1Z	NJP1Z	NJQ1Z	NJS1Z	NJT1Z	NJV1Z	NLA1Z	NLA13	NLL1Z	NLL12	NLL13	NLM12	NLM13	NLS1Z	NLS12	NLS13	NLT1Z	NLT12
NLT13	NMA12	NMA13	NMT1Z	NMT12	NMT13	NND1Z	NND13	NOC1Z	NOC12	NOC13	NOI1Z	NOI12	NOI13	NON1Z	NON12	NON13	NOP1Z
NOP12	NOP13	NOS1Z	NOS12	NOS13	NPA1Z	NPA12	NPA13	NPC7Z	NPC72	NPC73	NPG1Z	NPG12	NPG13	NPL13	NPM1Z	NPM12	NPM13
NPR1Z	NPR12	NPR13	NPT11	NPT12	NPT13	NPV2Z	NPV22	NPV23	NPW2Z	NPW22	NPW23	NPX1Z	NPX13	NQS6Z	NQS62	NQS63	NQU1Z
NQU12	NQU13	NRA1Z	NRA12	NRA13	NRT1Z	NRT12	NRT13	NSA1Z	NSA12	NSA13	NSC13	NSG1Z	NSG12	NSG13	NSL1Z	NSL12	NSL13
NSM1Z	NSM12	NSM13	NSN1Z	NSN12	NSN13	NSQ1Z	NSQ13	NSS1Z	NSS12	NSS13	NTA1Z	NTA12	NTA13	NTA16	NTC2Z	NTC22	NTC23
NTF1Z	NTF12	NTF13	NTK1Z	NTK12	NTK13	NTL11	NTL12	NTL13	NTM12	NTR1Z	NTR12	NTR13	NTT2Z	NTT22	NTT23	NTU1Z	NTU12
NTU13	NUX1Z	NVM1Z	NVM12	NVM13	NWI1Z	NWI12	NWI13	NWO1Z	NWO12	NWO13	NWS1Z	NWS12	NWS13	NWX1Z	NWX12	NWX13	NZA1Z
NZC1Z	NZE1Z	NZF1Z	NZM1Z	NZP1Z	NZQ1Z	NZS1Z	NZT1Z	NZV1Z	PLCSN	YAB71	YAD11	YAF11	YAL11	YAM71	YAP11	YBA12	YCA11
YCA12	YCE11	YCL11	YCL12	YCN11	YCT11	YCV11	YDH81	YDI11	YDP41	YDQ51	YDR61	YDS51	YDW71	YEA11	YEE11	YEW11	YFD1Z
YFD11	YFD12	YFT11	YFX11	YIT11	YKB11	YON11	YOP11	YOS11	YPA11	YPC71	YPL11	YPW21	YRT11	YSA11	YSG11	YSN11	YTA11
YTF11	YTL11	YVM11	YWI11	YWO11	YWS11	YWX11	YZA1Z	YZC1Z	YZE1Z	YZF1Z	YZM1Z	YZP1Z	YZQ1Z	YZS1Z	YZT1Z	YZV1Z	

```
                              * * * * * *  END OF REPORT  * * * * * *
                                          PROPRIETARY
                                 BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-9. No Match of DRCKT to DRDD Table: TS-PC01 - Data Analysis Information

* Depending on the installation options that were chosen, this may not be the case for all BCCs.

300.4.6 BCC Facility Sequencing Error Report - Data Analysis Information: TS-PC02

The header of the report will contain the same information as previously described. The column headings and content are as follows:

DESCRIPTION OF C LINE COLUMN HEADINGS

- CKT FRMT - This indicates the type of circuit as follows: 1 or M - Message Trunk, 2 or S - Special Service Circuit in Serial Number Format, 3 or T - Special Service Circuit in Telephone Number Format, 4 or C - Carrier System.
- CIRCUIT IDENTIFICATION - The complete circuit description as defined by COMMON LANGUAGE Standards. BR 756-551-790 contains a complete description of the data fields.
- CAC - A TIRKS-generated code used to identify a Special Service Circuit, a Carrier System, or an individual message trunk within a group.
- DR CKT TYPE - The five-character code assigned for Separations purposes, either manually or mechanically. BR 756-551-790 contains details regarding generation of these codes.
- SPEC SERV LOCATION A - The originating location of the circuit that was input on the Circuit Details (CD) screen when the circuit was being designed/created in TIRKS.
- SPEC SERV LOCATION Z - The terminating location of the circuit that was input on the CD screen when the circuit was being designed/created in TIRKS.
- LOCATION A2 - Indicates the secondary originating office/location of an OPEN ENDED CIRCUIT
- LOCATION Z2 - Indicates the secondary terminating office/location of an OPEN ENDED CIRCUIT
- CPU ID - The two-character identification of the processor where the data originated.

DESCRIPTION OF F LINE COLUMN HEADINGS

- CXE IND - X - Carrier or C - Cable
- FACILITY IDENTIFICATION
- TERMINAL LOCATION A - The originating location of the facility. This will always be the low alpha location based on the first eight characters of the CLLI.

- TERMINAL LOCATION Z - The terminating location of the facility. This will always be the high alpha location based on the first eight characters of the CLLI.
- CABLE#/FAC DES - The cable number or carrier system number.
- LAST PAIR/FAC GROUP - The last numeric pair number in the complement or the type of carrier, i.e., T1, etc.
  - UNIT # - The actual cable pair or carrier channel assigned to the circuit.
  - ASGT SUBD - An assignable portion of a cable pair.
- DR GROUP CODE - A two-character code that defines the jurisdictional and/or physical location of the facility.
- DR CLASS CODE - The two-character code that was generated when the DRDD table was accessed.
- CPU ID - The two-character code that identifies the processor where the data originated.
- SEQUENCE CODE - A numeric indication of the placement of facilities within the circuit design.
- The last page of the TS-PC02 report is the processing summary. This summary will provide a count of
- Total Working Circuit Processed
- Total Working Circuits With No Facilities
- Total Working Circuits Successfully Sequenced
- Total Working Circuits Unsuccessfully Sequenced by owner (Independent Company, BCC).

Appendix D contains a more detailed description of circuit sequencing.

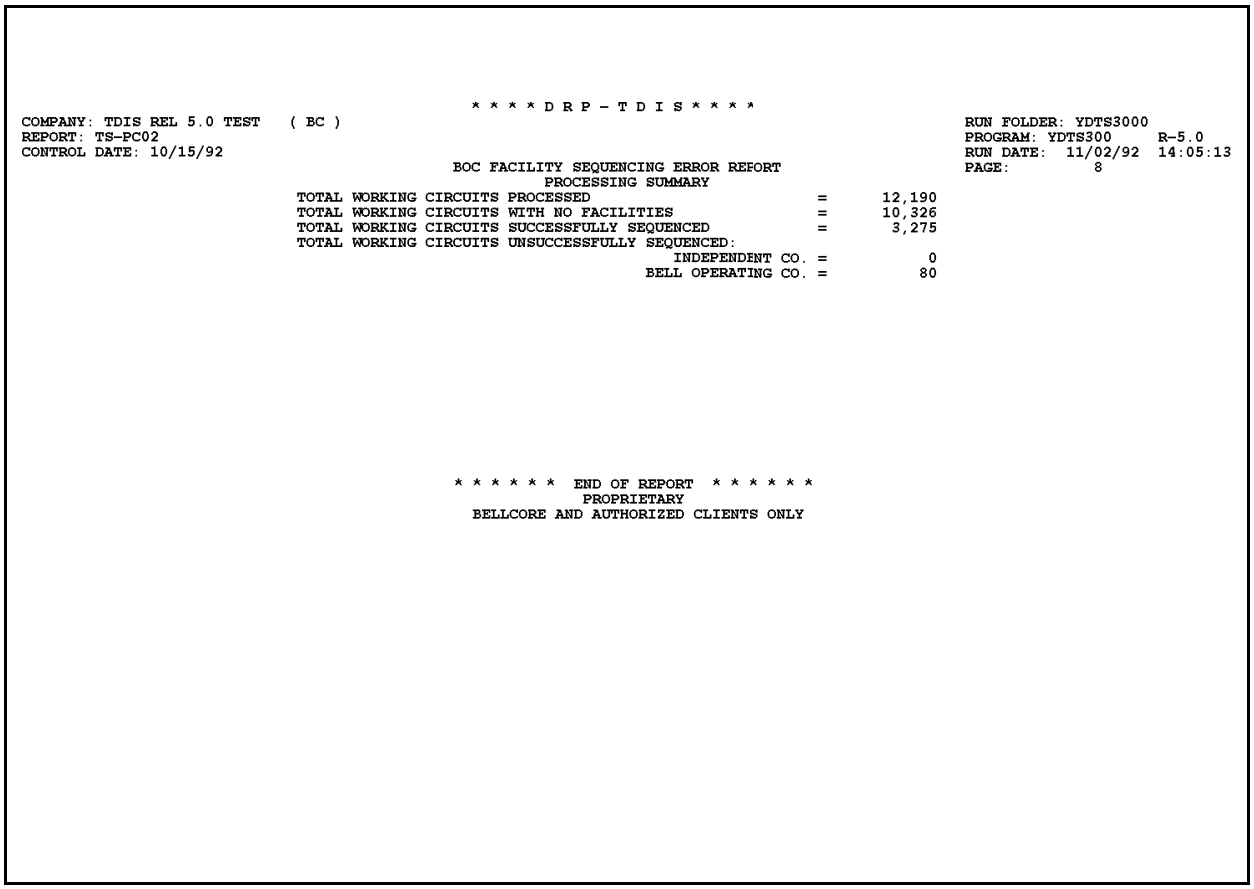
```
                                    * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                  RUN FOLDER: YDTS300
REPORT: TS-PC02                                                                   PROGRAM: YDTS300     R-7.0
CONTROL DATE: 03/24/97                                                            RUN DATE:  05/02/97  14:57:22
                                        BOC FACILITY SEQUENCING ERROR REPORT      PAGE:        13

   CKT                                                          DR CKT  SPEC SERV    SPEC SERV    CPU
C  FRMT  CIRCUIT IDENTIFICATION                        CAC      TYPE    LOCATION A   LOCATION Z   ID   LOCATION A2  LOCATION Z2
   ----  ----------------------------------------------  --------  ------  -----------  -----------  ---  -----------  -----------

         FACILITY IDENTIFICATION
   CXE   TERMINAL     TERMINAL     CABLE #/   LAST PAIR/           ASGT    DR GROUP     DR CLASS     CPU  SEQUENCE
F  IND   LOCATION A   LOCATION Z   FAC DES    FAC GROUP   UNIT #   SUBD    CODE         CODE         ID   CODE
   ---   ----------------------------------------------  ------    -----   --------     --------     ---  ---------
C  S     99/HCGS/150155    /DC  /                        SMP4RZ9   AHC11   WASHDCXBW99  WASHDCXF     CB   WASHDCXQW99
F  X     WASHDCXB     WASHDCXL     N0001      OC12        241  E             E            QQ           CB     1
F  X     WASHDCXL     WASHDCXQ     N0001      OC12        241  E             E            QQ           CB     2
F  X     WASHDCXJ     WASHDCXQ     N0001      OC12        241  W             E            QQ           CB     3
F  X     WASHDCXJ     WASHDCXN     N0001      OC12        241  E             E            QQ           CB     4
F  X     WASHDCXN     WASHDCXS     N0001      OC12        241  E             E            QQ           CB     5
F  X     WASHDCXF     WASHDCXJ     N0001      OC03        334  E             E            QQ           CB     6
F  X     WASHDCXS     WASHDCXX     N0001      OC03        334  E             E            QQ           CB     7
F  X     WASHDCXF     WASHDCXX     N0001      OC03        334  W             E            QQ           CB     8
F  X     WASHDCXB     WASHDCXBW99  701        T3          00005              I            QQ           CB     0

                                              PROPRIETARY
                                    BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-10. BCC Facility Sequencing Error Report: TS-PC02 (Data Page)



```
                                * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                  RUN FOLDER: YDTS3000
REPORT: TS-PC02                                                      PROGRAM: YDTS300      R-5.0
CONTROL DATE: 10/15/92                                               RUN DATE:  11/02/92  14:05:13
                                BOC FACILITY SEQUENCING ERROR REPORT PAGE:         8
                                        PROCESSING SUMMARY
                    TOTAL WORKING CIRCUITS PROCESSED                    =      12,190
                    TOTAL WORKING CIRCUITS WITH NO FACILITIES           =      10,326
                    TOTAL WORKING CIRCUITS SUCCESSFULLY SEQUENCED       =       3,275
                    TOTAL WORKING CIRCUITS UNSUCCESSFULLY SEQUENCED:
                                                  INDEPENDENT CO. =             0
                                                BELL OPERATING CO. =           80




                              * * * * * *  END OF REPORT  * * * * * *
                                          PROPRIETARY
                                BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-11. BCC Facility Sequencing Error Report: TS-PC02 (Processing Summary Page)

300.4.7 Transiting Miles Corrections Report - Data Analysis Information: TS-PC03

This report details the circuits for which the transiting miles condition was corrected. The report columns and content are as follows:

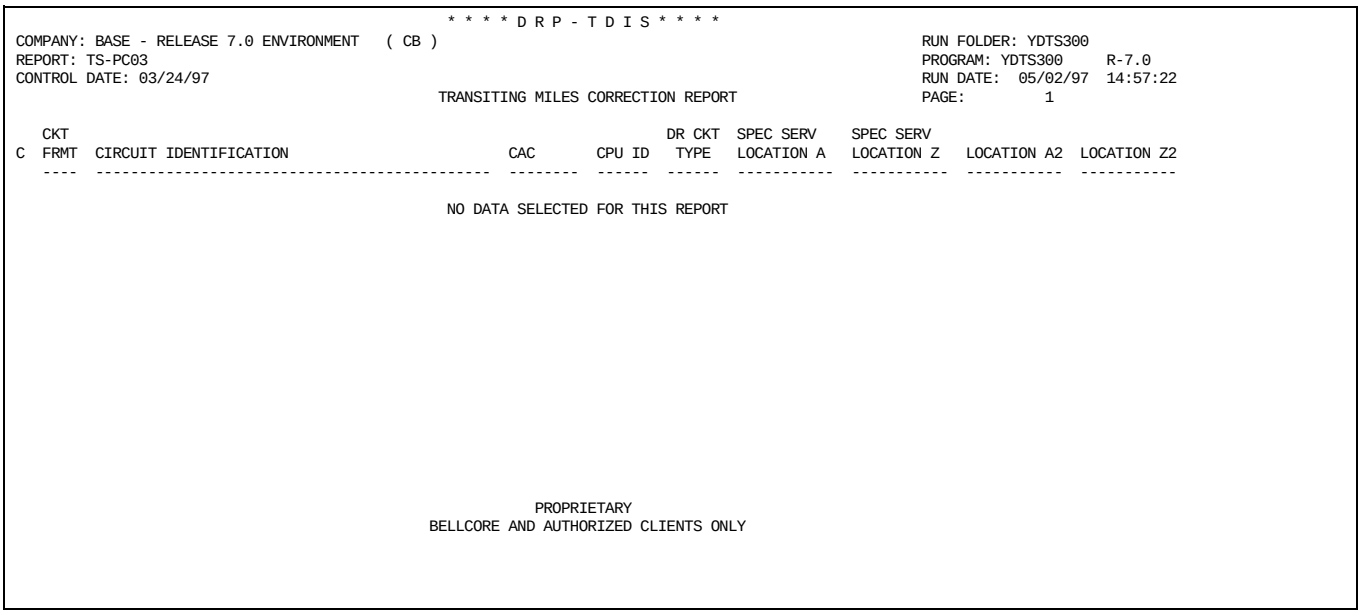
- CKT FMT
- CIRCUIT IDENTIFICATION
- CAC
- CPU ID
- DR CKT TYPE
- SPEC SERV LOCATION A
- SPEC SERV LOCATION Z
- LOCATION A2 - (only on open ended circuits)
- LOCATION Z2 - (only on open ended circuits).

(See previous definitions)

The last page of the report is the processing summary that will provide a count of

- Total Working Circuits Processed
- Total Working Circuits With No Facilities
- Total Working Circuits Without Transiting Miles Condition
- Total DR Class Codes Changes and Not Changed (DR Flag was set to N).

The Total Working Circuits Processed (first line of the summary) should equal the next three lines.



```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                   RUN FOLDER: YDTS300
REPORT: TS-PC03                                                                    PROGRAM: YDTS300     R-7.0
CONTROL DATE: 03/24/97                                                             RUN DATE:  05/02/97  14:57:22
                                          TRANSITING MILES CORRECTION REPORT       PAGE:         1

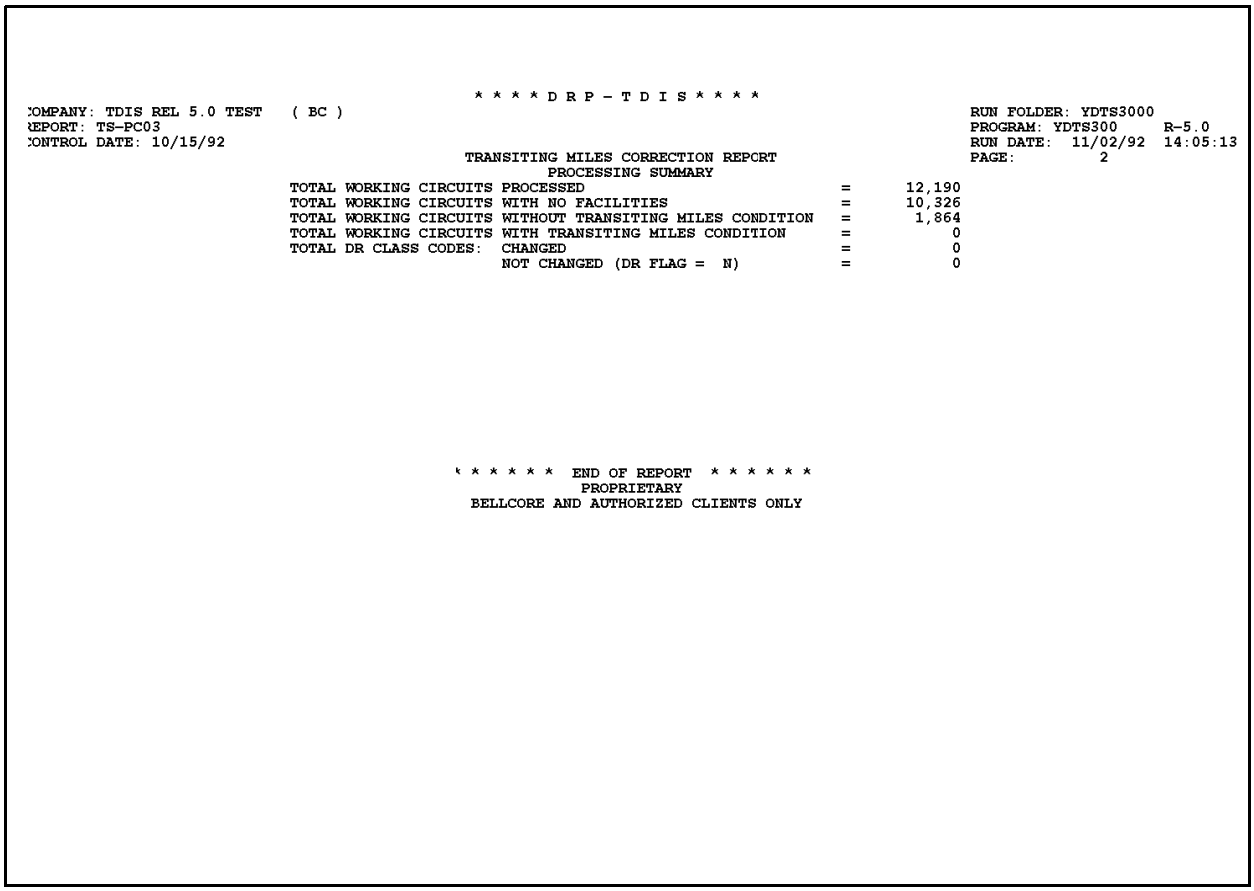
   CKT                                                          DR CKT  SPEC SERV    SPEC SERV
C  FRMT  CIRCUIT IDENTIFICATION                        CAC      CPU ID   TYPE   LOCATION A   LOCATION Z   LOCATION A2  LOCATION Z2
   ----  ------------------------------------------------  --------  ------  ------  -----------  -----------  -----------  -----------

                                          NO DATA SELECTED FOR THIS REPORT




                                                  PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-12. Transiting Miles Correction Report: TS-PC03
(Circuit Page)



```
                                  * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST    ( BC )                                  RUN FOLDER: YDTS3000
REPORT: TS-PC03                                                       PROGRAM: YDTS300      R-5.0
CONTROL DATE: 10/15/92                                                RUN DATE:  11/02/92  14:05:13
                                                                      PAGE:          2
                                TRANSITING MILES CORRECTION REPORT
                                      PROCESSING SUMMARY
                        TOTAL WORKING CIRCUITS PROCESSED                          =      12,190
                        TOTAL WORKING CIRCUITS WITH NO FACILITIES                 =      10,326
                        TOTAL WORKING CIRCUITS WITHOUT TRANSITING MILES CONDITION =       1,864
                        TOTAL WORKING CIRCUITS WITH TRANSITING MILES CONDITION    =           0
                        TOTAL DR CLASS CODES:  CHANGED                            =           0
                                               NOT CHANGED (DR FLAG =  N)         =           0




                              * * * * * *  END OF REPORT  * * * * * *
                                        PROPRIETARY
                                BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-13. Transiting Miles Correction Report: TS-PC03 (Processing Summary Page)

300.4.8 Report of Multiple Circuits Exceeding Four - Data Analysis Information: TS-PC04

The only data on this report will be the CAC and CPU ID of those circuits that exceeded four occurrences in the data.

```
                                          * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                                  RUN FOLDER: YDTS3000
REPORT: TS-PC04                                                                                      PROGRAM: YDTS300     R-5.0
CONTROL DATE: 10/15/92                                                                               RUN DATE:  11/02/92  14:05:13
                                            REPORT OF MULTIPLE CIRCUITS EXCEEDING FOUR               PAGE:          1
   CIRCUIT IDENTIFICATION                                   CAC              CPU ID
   ---------------------------------------------           --------         ------
                                                          MMM4CP7             BC
                                                          MMM4CP8             BC
                                                          MMM4CP9             BC
                                                          MMM4CQ2             BC
                                                          MMM4CQ3             BC
                                                          MMM4CQ4             BC
                                                          MMM4CQ5             BC
                                                          MMM4CQ6             BC
                                                          MMM4CQ7             BC
                                                          MMM4CQ8             BC
                                                          MMM4CR5             BC
                                                          MMQ4PJ6             BC
                                                          MMQ4PJ7             BC



                                      * * * * * *  END OF REPORT  * * * * * *
                                                    PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-14. Report of Multiple Circuits Exceeding Four: TS-PC04

300.4.9 Circuit Processing Error Report: DR Circuit Mismatch - Data Analysis Information: TS-PC05

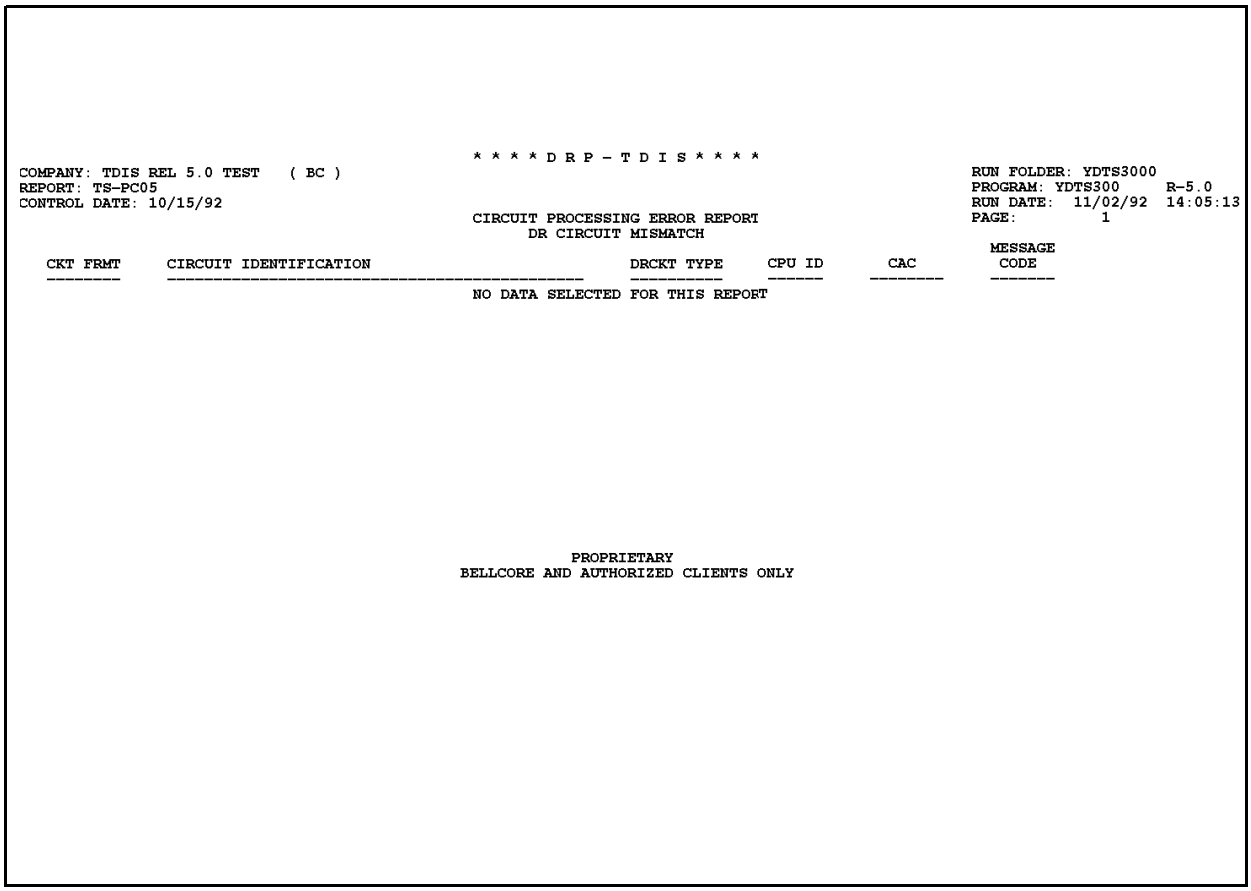
This report reflects discrepancies between the coding of the same circuit identification. The report headings and content are as follows:

> **NOTE —** If the Circuit Format is different, but the Circuit Identifications are the same, TIRKS considers these two separate circuits.

- CIRCUIT IDENTIFICATION*
- DRCKT TYPE*
- CPU ID*
- CAC*
- MESSAGE CODE - The error or warning code that indicates a discrepancy has been detected on the circuit.

> **NOTE —** For all column headings followed by an asterisk (*), see the previous definitions.

The last page of the TS-PC05 report is the processing summary. This report lists the ‘‘Total Circuits With One or More Data Discrepancies’’ and provides a breakdown of these counts by error messages.



```
                                  * * * * D R P - T D I S * * * * *

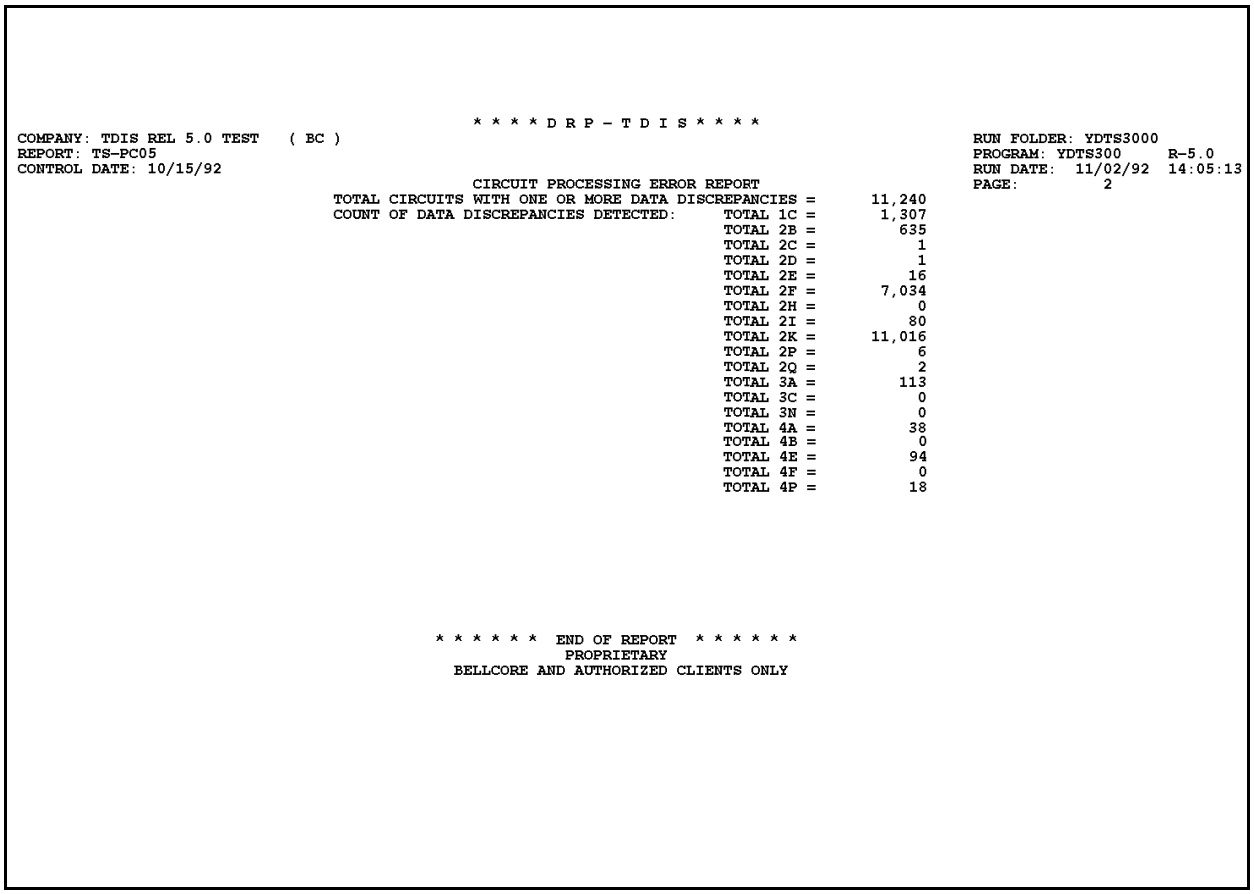
COMPANY: TDIS REL 5.0 TEST    ( BC )                                  RUN FOLDER: YDTS3000
REPORT: TS-PC05                                                       PROGRAM: YDTS300      R-5.0
CONTROL DATE: 10/15/92                                                RUN DATE:  11/02/92  14:05:13
                                                                      PAGE:           1
                                  CIRCUIT PROCESSING ERROR REPORT
                                       DR CIRCUIT MISMATCH

                                                                                            MESSAGE
  CKT FRMT      CIRCUIT IDENTIFICATION                          DRCKT TYPE     CPU ID       CAC          CODE
  --------      ----------------------------------------------  -----------    ------    --------      -------
                                  NO DATA SELECTED FOR THIS REPORT




                                          PROPRIETARY
                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-15. Circuit Processing Error Report: TS-PC05
(DR Circuit Mismatch Page)



```
                                  * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST    ( BC )                                          RUN FOLDER: YDTS3000
REPORT: TS-PC05                                                               PROGRAM: YDTS300      R-5.0
CONTROL DATE: 10/15/92                                                        RUN DATE:  11/02/92  14:05:13
                                     CIRCUIT PROCESSING ERROR REPORT          PAGE:         2
                          TOTAL CIRCUITS WITH ONE OR MORE DATA DISCREPANCIES =      11,240
                          COUNT OF DATA DISCREPANCIES DETECTED:     TOTAL 1C =       1,307
                                                                    TOTAL 2B =         635
                                                                    TOTAL 2C =           1
                                                                    TOTAL 2D =           1
                                                                    TOTAL 2E =          16
                                                                    TOTAL 2F =       7,034
                                                                    TOTAL 2H =           0
                                                                    TOTAL 2I =          80
                                                                    TOTAL 2K =      11,016
                                                                    TOTAL 2P =           6
                                                                    TOTAL 2Q =           2
                                                                    TOTAL 3A =         113
                                                                    TOTAL 3C =           0
                                                                    TOTAL 3N =           0
                                                                    TOTAL 4A =          38
                                                                    TOTAL 4B =           0
                                                                    TOTAL 4E =          94
                                                                    TOTAL 4F =           0
                                                                    TOTAL 4P =          18




                                * * * * * *  END OF REPORT  * * * * * *
                                          PROPRIETARY
                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-16. Circuit Processing Error Report: TS-PC05
(Error Processing Summary Page)

300.4.10 Tie Inconsistency: TS-PC06

This report reflects tie inconsistencies. The report headings and content are as follows:

- CXE Indicator (C = Cable, X = Carrier)
- Facility Terminal Location A
- Facility Terminal Location Z
- DR Group Code.

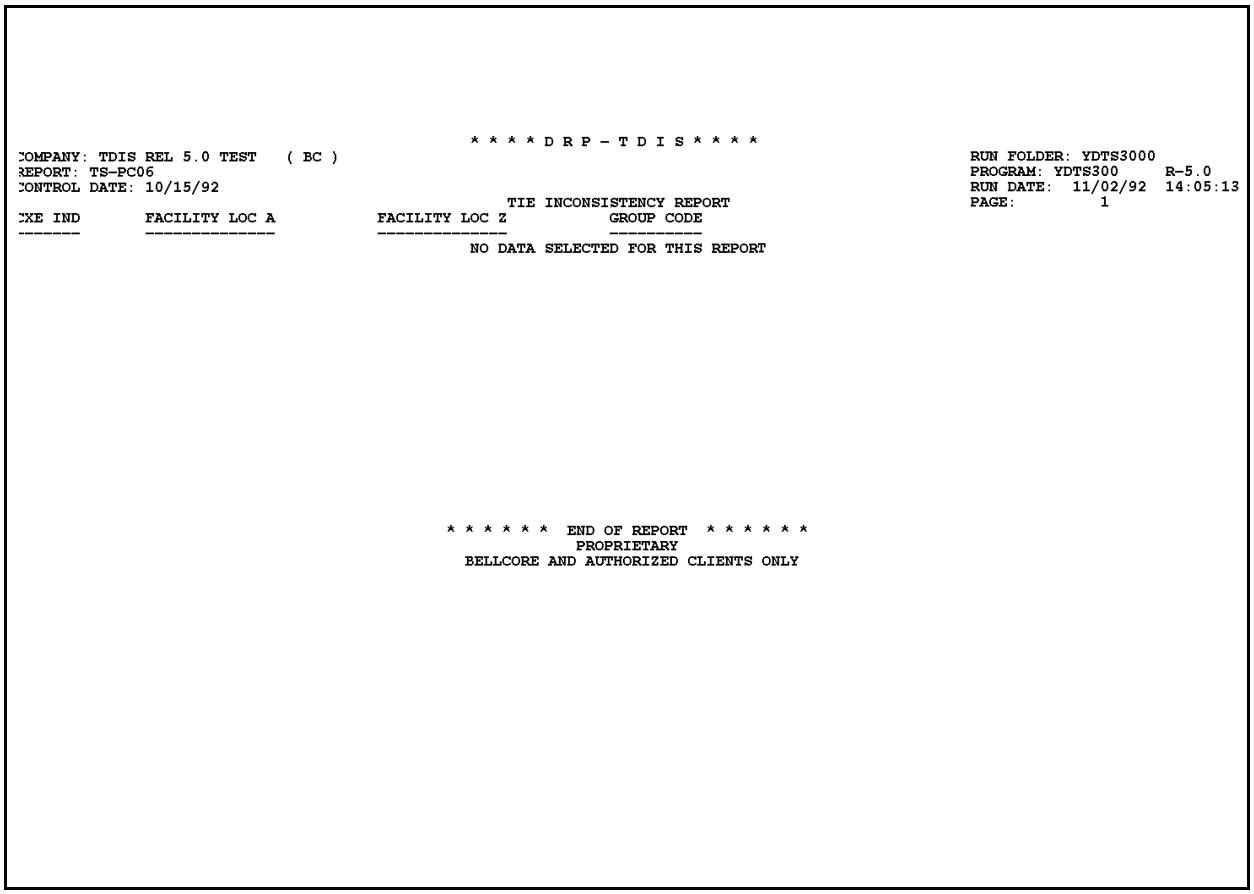


Figure 300-17. Tie Inconsistency: TS-PC06

300.4.11 Audit Report Program YDTS300: TS-EDP - Audit Tracing Information

The audit report summarizes the input and output activities for the YDTS300 process. The major items on this report and the audit checks that are to be made are as follows:

- **DRP DRDD Table Initially Loaded On**
  This is the most recent date on which the TIRKS DRDD table was copied into TDIS.
- **DRP DRDD Table Last Updated On**
  This should be the date the DRDD Table was last updated through the TDIS Online Table Update System (TDIS-TBL).
- **DRP DRDD Table Generation Number**
  This is the generation number of the DRDD Table used in this run.
- **DRP DRDD Table Records Read**
  This should equal the number of records processed in TDIS-TBL.

If the DRDD table was updated after extraction processing was completed, the warning message ‘‘DRDD Table was updated (MMDDYY) after extraction processing completed’’ will appear at the end of this report. This situation may result in data discrepancies on later TDIS reports.

- **DRP GRPCODE Table Last Updated On**
  This should be the date the GRPCODE Table was last updated through TDIS-TBL.
- **DRP GRPCODE Table Generation Number**
  This is the generation number of the GRPCODE Table used in this run.
- **DRP GRPCODE Table Records Read**
  This should equal the number of records processed in TDIS-TBL.
- **DRP LATA Table Last Updated On**
  This should be the date the LATA Table was last updated through TDIS-TBL.
- **DRP LATA Table Generation Number**
  This is the generation number of the LATA Table used in this run.
- **DRP LATA Table Records Read**
  This should equal the number of records processed by TDIS-TBL.
- **DRP TIEXCPT Table Last Updated On**
  This should be the date the TIEXCPT Table was last updated through TDIS-TBL.
- **DRP TIEXCPT Table Generation Number**
  This is the generation number of the TIEXCPT Table used in this run.
- **DRP TIEXCPT Table Records Read**
  This should equal the number of records processed in TDIS-TBL.

- **DRP Carrier Linking File Records Written**
- **DRP Class Code Regen File Records Written**
- **Cables Provisioning Carrier Records Written**
- **Circuit Details Facility Length Records Read, by total and type**
- **Circuit Details Facility Length Records not processed**
- **Circuit Details Facility Length Records Written, by total and type**
- **Number of times PRIORITY Table used to select circuit**
- **Report Pages Written**
- **DATA SOURCE Table** used in this run
- **PRIORITY Table** used in this run.

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BASE - SYSTEST 6.0 ENVIRONMENT   ( CB )                          RUN FOLDER: YDTS300
REPORT: TS-EDP                                                            PROGRAM: YDTS300  R-6.0
CONTROL DATE: 04/18/96                                                    RUN DATE:  04/22/96  10:30:39
                                        EDP PROGRAM SUMMARY REPORT        PAGE:         2

                                CREATE MERGED CIRCUIT DETAILS FACILITY LENGTH FILE

                    DRP DRDD TABLE INITIALLY LOADED ON:                          09/08/93
                    DRP DRDD TABLE LAST UPDATED ON:                              08/10/95
                    DRP DRDD TABLE GENERATION NUMBER:                            G0002V00
                    DRP DRDD TABLE RECORDS: READ                          =          262
                    DRP GRPCODE TABLE LAST UPDATED ON:                           02/24/95
                    DRP GRPCODE TABLE GENERATION NUMBER:                         G0002V00
                    DRP GRPCODE TABLE RECORDS: READ                       =            9
                    DRP LATA TABLE LAST UPDATED ON:                              09/01/93
                    DRP LATA TABLE GENERATION NUMBER:                            G0002V00
                    DRP LATA TABLE RECORDS: READ                          =          869
                    DRP TIEXCPT TABLE LAST UPDATED ON:                           07/26/93
                    DRP TIEXCPT TABLE GENERATION NUMBER:                         G0002V00
                    DRP TIEXCPT TABLE RECORDS: READ                       =            2
                    DRP CARRIER LINKING FILE RECORDS WRITTEN              =        6,545
                    DRP CLASS CODE REGEN FILE RECORDS WRITTEN             =        6,646
                    CABLES PROVISIONING CARRIER RECORDS WRITTEN           =        2,259
            CIRCUIT DETAILS FACILITY LENGTH RECORDS          READ:
                                                                CIRCUIT    (1) =       19,612
                                                                FACILITY   (2) =        6,744
                                                                TOTAL          =       26,356
            CIRCUIT DETAILS FACILITY LENGTH RECORDS NOT PROCESSED:
                                                                MULTIPLE   (1) =           21
                                                                UNIQUE     (1) =            8
            CIRCUIT DETAILS FACILITY LENGTH RECORDS       WRITTEN:
                                                                CIRCUIT    (1) =       19,591
                                                                FACILITY   (2) =        6,646
                                                                TOTAL          =       26,237
            NUMBER OF TIMES PRIORITY TABLE USED FOR CIRCUIT SELECTION:        =            0

                                            PROPRIETARY
                                    BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-18. Audit Report: Program YDTS300 - TS-EDP - Audit Tracing Information (Page 2)

```
                                                                          CLIENTS ONLY
                                                  * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                                     RUN FOLDER: YDTS3000
REPORT: TS-EDP                                                                                          PROGRAM: YDTS300     R-5.0
CONTROL DATE: 10/15/92                                                                                  RUN DATE:  12/15/92  16:07:40
                                                     EDP PROGRAM SUMMARY REPORT                         PAGE:          3
                                          CREATE MERGED CIRCUIT DETAILS FACILITY LENGTH FILE
                       REPORT PAGES WRITTEN:         TS-PC01                                 =            1
                                                     TS-PC02                                 =            9
                                                     TS-PC03                                 =            2
                                                     TS-PC04                                 =            1
                                                     TS-PC05                                 =            2
                                                     TS-PC06                                 =            0
                                                     TS-ER3A                                 =            5
                                                     TS-ER3C                                 =            0
                                                     TS-CXR1                                 =            5
                                                     TS-CXR2                                 =            1




                                                * * * * * *  END OF REPORT  * * * * * *
                                                             PROPRIETARY
                                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-19. Audit Report: Program YDTS300 - TS-EDP - Audit Tracing Information (Page 3)

```
                                             * * * * D R P - T D I S * * * *
COMPANY: BASE - SYSTEST 6.0 ENVIRONMENT   ( CB )                                                       RUN FOLDER: YDTS300
REPORT: TS-EDP                                                                                         PROGRAM: YDTS300     R-6.0
CONTROL DATE: 04/18/96                                                                                 RUN DATE:  04/22/96  10:30:39
                                                EDP PROGRAM SUMMARY REPORT                             PAGE:         4

                                          CREATE MERGED CIRCUIT DETAILS FACILITY LENGTH FILE
                                                    "DATA SOURCE" (YDZGIDS) TABLE
                                                    -----------------------------

                                                               DATA
                                                       SOURCE   DESCRIPTION
                                          ------   ----------------------------------------
                                            B      BASIC DATA SOURCE
                                            P      PVI
                                            S      SWITCH
                                            T      TIRKS DATA VIA TDIS EXTRACT PROCEDURES

                                                          PROPRIETARY
                                                 BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-20. DATA Source Table Used in YDTS300

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BASE - SYSTEST 6.0 ENVIRONMENT   ( CB )                          RUN FOLDER: YDTS300
REPORT: TS-EDP                                                            PROGRAM: YDTS300  R-6.0
CONTROL DATE: 04/18/96                                                    RUN DATE: 04/22/96 10:30:39
                                        EDP PROGRAM SUMMARY REPORT        PAGE:         5

                                CREATE MERGED CIRCUIT DETAILS FACILITY LENGTH FILE
                                        "PRIORITY" (YDZGIPR) TABLE
                                        --------------------------

                                                    DATABASE
                                          DATA      PRIORITY
                                   CPU    SOURCE
                                   ---    ------    --------
                                   AE       B       005
                                   BC       B       002
                                   BC       T       001
                                   DL       B       011
                                   DL       T       014
                                   MS       A       010
                                   NE       B       003
                                   NJ       A       008
                                   NY       C       013
                                   OB       A       006
                                   PA       B       007
                                   PT       A       012
                                   SW       A       004
                                   WT       B       009




                                * * * * * *  END OF REPORT  * * * * * *
                                          PROPRIETARY
                                BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-21. PRIORITY Table Used in YDTS300

YDTS305 Reports

300.4.12 Audit Report Program YDTS305: TS-EDP - Audit Tracing Information

The audit report summarizes the input and output activities for the YDTS305 process. The major items on this report and the audit checks that are to be made are as follows:

- **Temporary CDFAC File Records Read, by total and type**
- **Circuit Detail FAC Length (CDFACID) Records Read, by total and type**
- **Total CDFACID Facility Units Written, by total and type**
- **Total CDFACID Facility Units with New HICAP Class Codes.**

```
                                                 * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                                      RUN FOLDER: YDTS3000
REPORT: TS-EDP                                                                                           PROGRAM: YDTS305     R-5.0
CONTROL DATE: 10/15/92                                                                                   RUN DATE:  11/02/92  14:06:09
                                                EDP PROGRAM SUMMARY AND AUDIT REPORT                     PAGE:          2
                                        CREATE HICAP FACILITY UNIT FOUR CHARACTER CLASS CODES
                            TEMPORARY CDFACID FILE RECORDS READ:             CIRCUIT  (1) =       12,190
                                                                             FACILITY (2) =        3,355

                                                                             TOTAL        =       15,558
                            CIRCUIT DETAILS FAC LENGTH (CDFACID) RECS WRITTEN:
                                                                             CIRCUIT  (1) =       12,190
                                                                             FACILITY (2) =        3,355

                                                                             TOTAL        =       15,558
                            TOTAL CDFACID FACILITY UNITS WRITTEN:            NON-HICAP    =        3,355
                                                                             HICAP        =            0
                                                                             TOTAL        =        3,355
                            TOTAL CDFACID FACILITY UNITS WITH NEW HICAP CLASS CODES       =            0




                                               * * * * * *  END OF REPORT  * * * * * *
                                                            PROPRIETARY
                                                 BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-22. Audit Report: Program YDTS305 - TS-EDP - Audit Tracing Information

YDTS310 Reports

300.4.13 Facility Summary Data Validation Report: TS-EF02 - Data Analysis Information

The TS-EF02 report is a processing summary and contains the following information for cable, carrier, and total:

- **Total TIRKS Working Facility Complements Processed**
- **Total Non Working Facility Complements Processed**
- **Total TDIS Facility Complements Created by Divested Administrator**
  This data may be used to detect errors on the TIRKS header records.
- **Counts of Data Discrepancies Detected for Message Code 4Q**
  Other discrepancies are listed on the TS-EC02 report.

This report should be reviewed in conjunction with the TS-EDP report.

```
                                             * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                                       RUN FOLDER: YDTS3000
REPORT: TS-EF02                                                                                           PROGRAM: YDTS310      R-5.0
CONTROL DATE: 10/15/92                                                                                    RUN DATE:  11/02/92  14:06:34
                                             FACILITY SUMMARY DATA VALIDATION REPORT                      PAGE:         1
                                                                          CABLE        CARRIER            TOTAL
                      TOTAL TIRKS WORKING FACILITIES PROCESSED            1,086          1,379            2,465
                      TOTAL NON-WORKING FACILITIES PROCESSED                 93            461              554
                      TOTAL T/DIS FACILITIES CREATED                      1,179          1,840            3,019
                            BY DIVESTED ADMINISTRATOR:  OB                1,157              0            1,157
                                                        BCR                   4              0                4
                                                        NJ                   11              0               11
                                                        WECO                  6              2                8
                                                        ANTO                  1              1                2
                                                        B-                    0          1,821            1,821
                                                        POND                  0              4                4
                                                        XBXB                  0              1                1
                                                        XBBX                  0              1                1
                                                        X-XB                  0              1                1
                                                        X-BX                  0              1                1
                                                        NY                    0              1                1
                                                        SF                    0              2                2
                                                        BXXB                  0              1                1
                                                        BXBX                  0              1                1
                                                        NJBT                  0              3                3
                      COUNT OF DATA DISCREPANCIES DETECTED:
                                                                 4Q =         0



                                             * * * * * *  END OF REPORT  * * * * * *
                                                         PROPRIETARY
                                               BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-23. Facility Summary Data Validation Report: TS-EF02 - Data Analysis Information

300.4.14 Carrier Normalization Integrity: TS-CXR3

This report identifies data inconsistencies identified during carrier normalization (e.g., carrier systems that are not referenced in the hierarchy, facilities identified as bottom carriers that provision lower-level carriers, carriers with working carrier circuits, and non-working carrier facility complements, etc.) The following fields will be printed on the report:

- CXE Indicator (C = Cable, X = Carrier)
- Facility Terminal Location A
- Facility Terminal Location Z
- Cable Number / Facility Designation
- Last Pair / Facility Group
- Hierarchy Level
- Total Count
- Total Working
- Error Messages.

* * * * D R P – T D I S * * * *

COMPANY: TDIS REL 5.0 TEST (BC)
REPORT: TS-CXR3
CONTROL DATE: 10/15/92

RUN FOLDER: YDTS3000
PROGRAM: YDTS310 R-5.0
RUN DATE: 11/02/92 14:06:34
PAGE: 1

CXR NORMALIZATION INTEGRITY REPCRT

CXE IND	FAC TERM LOCATION A	FAC TERM LOCATION Z	CABLENMBR/ FACDESGN	LSTPR/ FACGRP	HEIR LVL	TOTAL COUNT	TOTAL WRKG	ERR MSG
C	BLVLIL81	STLSMO09	CODCK	00025	+0	25	1	6H
C	J	M	1	00005	+0	5	2	6H
C	LEAPF101	LEAPF102	AAAF1	00030	+0	30	2	6H
C	LEAPF101	LEAPF102	AAAF2	00030	+0	30	2	6H
C	LEAPF101	LEAPF102	F1002	00030	+0	30	4	6H
C	LEAPF101	LEAPF102	F1002	00040	+0	10	2	6H
C	LEAPF101	LEAPF102	TF101	00010	+0	10	2	6H
C	LEAPF101	LEAPF102	TF102	00010	+0	10	2	6H
C	LEAPF101	LEAPF102	T1253	00030	+0	10	2	6H
C	LEAPF103	LEAPF104	EQPVL	00020	+0	20	2	6H
C	LOCRD	RRC2	1	00005	+0	5	1	6H
C	LOCRD	RRC2	2	00005	+0	5	1	6H
C	MLVLNJ01	NEPTNJ01	CBL2B	00004	+0	4	1	6H
C	STLSMO01	STLSMO02	AAAF1	00030	+0	30	2	6H
C	STLSMO01	STLSMO02	AAAF2	00030	+0	30	2	6H
C	STLSMO01	STLSMO02	F1002	00030	+0	30	4	6H
C	STLSMO01	STLSMO02	F1002	00040	+0	10	2	6H
C	STLSMO01	STLSMO02	TF101	00010	+0	10	2	6H
C	STLSMO01	STLSMO02	TF102	00010	+0	10	2	6H
X	ALXNVAFR	ALXNVAMV	CXR03	T1	+1	24	0	6G
X	AMATEX25	AMATEX30	B1	AM3	+1	10	0	6G
X	AMATEX25	AMATEX30	B1	AM5	+1	10	0	6G
X	AMATEX25	AMATEX30	B1	AM6	+1	10	0	6G
X	AMATEX25	AMATEX30	B1	B310	+1	10	0	6G
X	AMATEX25	AMATEX30	B28	B60	+1	10	0	6G
X	AMMTEX01	ANNTEX02	F01	ECE	+1	12	0	6G
X	AMMTEX01	ANNTEX02	F02	ECE	+1	24	0	6G
X	AMMTEX01	ANNTEX02	F03	ECE	+1	12	0	6G
X	AMMTEX01	ANNTEX02	F04	ECE	+1	12	0	6G
X	AMMTEX01	ANNTEX02	F05	ECE	+1	12	0	6G
X	AMMTEX01	ANNTEX02	F07	ECE	+1	12	0	6G
X	ANTOMO50	STLSMO08	101	D1A	+1	20	0	6G
X	ASPNCO01	DNVRCO01	101T1	D3	+1	10	0	6G
X	ASPNCO01	DNVRCO01	201	N2	+1	10	0	6G
X	ATCYNJKB	ATCYNJKBK01	116	T1	+1	24	8	6G
X	ATCYNJKB	PISCNJKB	101	T1	+1	24	1	6G
X	AUSTTXSO	STLSMOSMT01	101	N3	+1	10	0	6G
X	BASKNJ01F11	PISCNJ02F11	101	N2	+1	24	3	6G
X	BASKNJ01F21	PISCNJ02F12	102	N2	+1	24	0	6G
X	BASKNJ01F31	NEWBNJ03F13	301	D1A	+1	24	0	6G
X	BASKNJ01F32	NEWBNJ03F23	302	D1A	+1	24	0	6G
X	BASKNJ01F41	NEWBNJ03F14	401	D1A	+1	24	0	6G
X	BASKNJ01F42	NEWBNJ03F24	402	D1A	+1	24	0	6G
X	BCRTFLMA	FTLDFLMA	116	A	+1	12	0	6G
X	BGPIFLMA	KYWSFLMA	1206	A	+1	12	0	6G
X	BGPIFLMA	SGKYFLMA	1201	N3	+1	12	0	6G
X	BLDRCO01	DNVRCO02	101	D1A	+1	10	0	6G

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Figure 300-24. Carrier Normalization Integrity: TS-CXR3

300.4.15 Facility Hierarchy Report: TS-HIER

This report illustrates all carrier and cable facility chaining information used during the normalization process. The first six fields provide information on provisioning carriers; information about the carriers they provision is contained in the last three fields. The following fields will be printed on the report (i.e., higher-level systems are on the left, the systems they provision are on the right):

- CXE Indicator (C = Cable, X = Carrier)
- Level of provisioning carrier
- Facility Identification of provisioning carrier
- Facility Hash Number of provisioning carrier
- Channel (unit number) of provisioning carrier
- Level of provisioned carrier
- Carrier Facility Identification of provisioned carrier
- Facility Hash Number of provisioned carrier.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                  RUN FOLDER: YDTS300
REPORT: TS-HIER                                                                   PROGRAM: YDTS310     R-7.0
CONTROL DATE: 03/24/97                                                            RUN DATE:  05/02/97  14:58:52
                                              DRP FACILITY HIERARCHY REPORT       PAGE:         1

CXE  LEVEL          FACILITY IDENTIFICATION          FAC HSH  CHNNL   CC    LEVEL     CARRIER FACILITY IDENTIFICATION      FAC HSH
---  -------  ---------------------------------------  -------  ------  --  -------  ---------------------------------------  -------

 C         6  MILNITZA   ROMEITZA   MIRO      00012       711  00001   XA         5  MILNITZA   ROMEITZA   101       DG5-P      4436
                                                              00002   XA         5  MILNITZA   ROMEITZA   101       DG5-P      4436
                                                              00003   XA         4  MILNITZA   ROMEITZA   101       DG5        4435
                                                              00004   XA         4  MILNITZA   ROMEITZA   101       DG5        4435
                                                              00005   XA         1  MILNITZA   ROMEITZA   101       OC03       4437
                                                              00006   XA         1  MILNITZA   ROMEITZA   101       OC03       4437

 C         6  PLRMITZA   ROMEITZA   PLRO      00012       955  00001   XA         5  PLRMITZA   ROMEITZA   101       DG4-P      5192
                                                              00002   XA         5  PLRMITZA   ROMEITZA   101       DG4-P      5192
                                                              00003   XA         4  PLRMITZA   ROMEITZA   101       DG4        5191
                                                              00004   XA         4  PLRMITZA   ROMEITZA   101       DG4        5191
                                                              00005   XA         1  PLRMITZA   ROMEITZA   101       OC03       5193
                                                              00006   XA         1  PLRMITZA   ROMEITZA   101       OC03       5193

 C         5  OKLDCA03   SNFCCA01   91        00020       825  00001   XA         1  OKLDCA03   SNFCCA01   101       T4X7       4627
                                                              00002   XA         1  OKLDCA03   SNFCCA01   101       T4X7       4627
                                                              00003   XA         2  OKLDCA03   SNFCCA01   103       T3X3       4634
                                                              00004   XA         2  OKLDCA03   SNFCCA01   103       T3X3       4634
                                                              00005   XA         4  OKLDCA03   SNFCCA01   105       T3X3       4639
                                                              00006   XA         4  OKLDCA03   SNFCCA01   105       T3X3       4639

 C         5  OKLDCA03   SNFCCA01   92        00010       826  00001   XA         4  OKLDCA03   SNFCCA01   101       T3X3       4626
                                                              00002   XA         4  OKLDCA03   SNFCCA01   101       T3X3       4626
                                                              00003   XA         1  OKLDCA03   SNFCCA01   106       T3X3       4640
                                                              00004   XA         1  OKLDCA03   SNFCCA01   106       T3X3       4640

 C         4  BLTMMDDT   MIAMFLC2   BLMI      00144        94  00001   XA         3  BLTMMDDT   MIAMFLC2   101       OC12       2638
                                                              00002   XA         3  BLTMMDDT   MIAMFLC2   101       OC12       2638

 C         4  BLTMMDDT   OKLDCA03   BLOK      00144        95  00001   XA         3  BLTMMDDT   OKLDCA03   101       OC12       2639
                                                              00002   XA         3  BLTMMDDT   OKLDCA03   101       OC12       2639

 C         4  BLTMMDDT   WASHDCXD   BLXD      00144        96  00001   XA         3  BLTMMDDT   WASHDCXD   101       OC12       2640
                                                              00002   XA         3  BLTMMDDT   WASHDCXD   101       OC12       2640

 C         4  BLTMMDDT   WASHDCXE   BLXE      00144        97  00001   XA         3  BLTMMDDT   WASHDCXE   101       OC12       2641
                                                              00002   XA         3  BLTMMDDT   WASHDCXE   101       OC12       2641

 C         4  BYNNNJ01   NTLYNJNU   0001      00012       283  00001   XA         3  BYNNNJ01   NTLYNJNU   1001      T3         3494
                                                              00002   XA         3  BYNNNJ01   NTLYNJNU   1001      T3         3494
                                                              00003   XA         2  BYNNNJ01   NTLYNJNU   1002      T3         3496
                                                              00004   XA         2  BYNNNJ01   NTLYNJNU   1002      T3         3496
                                                              00005   XA         2  BYNNNJ01   NTLYNJNU   101       T3         3501
                                                              00006   XA         2  BYNNNJ01   NTLYNJNU   101       T3         3501

 C         4  GTASNJCS   GTASNJGT   FIBME     00050       412  00003   XA         3  GTASNJCS   GTASNJGT   401       T4         3755
                                                              00004   XA         3  GTASNJCS   GTASNJGT   401       T4         3755

                                                  PROPRIETARY
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```

Figure 300-25. Facility Hierarchy Report: TS-HIER

300.4.16 Audit Report: YDTS310 - TS-EDP - Audit Tracing Information

The audit report summarizes the input and output activities for the YDTS310 program. The major items on this report are as follows:

- **Extracted DR Facility Summary Records Read, Accepted, and Rejected, by type and total**
- **Circuit Details Extraction Counts Records Read, Accepted, and Rejected**
- **DRP Facility Summary Records Written, by type and total**
  The output activity of this report should correspond to the YDTS310 input.
- **Report TS-EF02 Pages Written**
  This should equal the number of pages received.

```
                                            * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                                    RUN FOLDER: YDTS3000
REPORT: TS-EDP                                                                                         PROGRAM: YDTS310     R-5.0
CONTROL DATE: 10/15/92                                                                                 RUN DATE:  11/02/92  14:06:34
                                          EDP PROGRAM SUMMARY AND AUDIT REPORT                         PAGE:          2
                                      CREATE DRP FACILITY SUMMARY AND NORMUSE FILES
                                      ******************************************************
                                      DISCREPANCIES BETWEEN THE "CAC" VALUES FROM "C1/INV"
                                      AND "CARRIER" DATABASE FOUND TIRKS SYNCHRONIZATION RUN
                                      "12345678" IS RECOMMENDED.
                                      ******************************************************
                             EXTRACTED DR FACILITY SUMMARY RECORDS READ:  HEADER (1)     =      3,019
                                                                          OWNER  (2)     =        873
                                                                          UTIL   (3)     =      3,019
                                                                          TOTAL          =      6,911
                             CLASS CODE REGENERATION FILE RECORDS:       READ            =        761
                             CABLES PROVISIONING CARRIER RECORDS:        READ            =        192
                             BOTTOM CARRIER FILE RECORDS:                READ            =      1,677
                             CARRIER LINKING FILE RECORDS:               READ            =      1,968
                             DRP FACILITY SUMMARY RECORDS WRITTEN:  HEADER (1)           =      3,019
                                                                    OWNER  (2)           =        873
                                                                    UTIL   (3)           =      3,019
                                                                    TOTAL                =      6,911
                             DRP NORMALIZED USAGE RECORDS:          WRITTEN              =      2,465
                             CDFAC NORMALIZED USAGE RECORDS:        WRITTEN              =      1,379
                             REPORT TS-EF02 PAGES WRITTEN                                =          1
                             REPORT TS-CXR3 PAGES WRITTEN                                =          7
                             REPORT TS-HIER PAGES WRITTEN                                =         34


                                                      PROPRIETARY
                                            BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-26. Audit Report - YDTS310: TS-EDP - Audit Tracing Information

YDTS325 Reports

300.4.17 Non-Matched Facility Records Report: TS-PC07

This report reflects normalized usage records that either had no matching circuit record (code 2) or had circuit and facility records circuit IDs that matched, but a CAC code that did not match (code 1).

```
                                                 * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                                    RUN FOLDER: YDTS3000
REPORT: TS-PC07                                                                                        PROGRAM: YDTS325     R-4.1.2
CONTROL DATE: 10/15/92                                                                                 RUN DATE:  11/11/92  15:28:25
                                                     NON-MATCHED FACILITY RECORDS                      PAGE:           1
                                                 CIRCUIT RECORD MISSING OR NON-WORKING
CODE  C1/CAC   F1/CAC                   C1/CKTID                                          F1/KEY
---- -------- -------- --------------------------------------------- ---------------------------------------
2              CMN4AJ4  CXR03/T1     /ALXNVAFR    /ALXNVAMV              ALXNVAFR   ALXNVAMV   CXR03       T1
2                       B1    /AM3   /AMATEX25    /AMATEX30              AMATEX25   AMATEX30   B1          AM3
2                       B1    /AM5   /AMATEX25    /AMATEX30              AMATEX25   AMATEX30   B1          AM5
2                       B1    /AM6   /AMATEX25    /AMATEX30              AMATEX25   AMATEX30   B1          AM6
2                       B1    /B310  /AMATEX25    /AMATEX30              AMATEX25   AMATEX30   B1          B310
2                       B28   /B60   /AMATEX25    /AMATEX30              AMATEX25   AMATEX30   B28         B60
2                       F01   /ECE   /AMMTEX01    /ANNTEX02              AMMTEX01   ANNTEX02   F01         ECE
2                       F02   /ECE   /AMMTEX01    /ANNTEX02              AMMTEX01   ANNTEX02   F02         ECE
2                       F03   /ECE   /AMMTEX01    /ANNTEX02              AMMTEX01   ANNTEX02   F03         ECE
2                       F04   /ECE   /AMMTEX01    /ANNTEX02              AMMTEX01   ANNTEX02   F04         ECE
2                       F05   /ECE   /AMMTEX01    /ANNTEX02              AMMTEX01   ANNTEX02   F05         ECE
2                       F07   /ECE   /AMMTEX01    /ANNTEX02              AMMTEX01   ANNTEX02   F07         ECE
2                       101   /D1A   /ANTOMO50    /STLSMO08              ANTOMO50   STLSMO08   101         D1A
2                       101T1/D3     /ASPNCO01    /DNVRCO01              ASPNCO01   DNVRCO01   101T1       D3
2                       201   /N2    /ASPNCO01    /DNVRCO01              ASPNCO01   DNVRCO01   201         N2
2              CMN4FB2  116   /T1    /ATCYNJKB    /ATCYNJKBK01           ATCYNJKB   ATCYNJKBK01116         T1
2              CMN4EG4  101   /T1    /ATCYNJKB    /PISCNJKB              ATCYNJKB   PISCNJKB   101         T1
2                       101   /N3    /AUSTTXSO    /STLSMOSMT01           AUSTTXSO   STLSMOSMT01101         N3
2                       101   /N2    /BASKNJ01F11/PISCNJ02F11            BASKNJ01F11PISCNJ02F11101         N2
2                       102   /N2    /BASKNJ01F21/PISCNJ02F12            BASKNJ01F21PISCNJ02F12102         N2
2                       301   /D1A   /BASKNJ01F31/NEWBNJ03F13            BASKNJ01F31NEWBNJ03F13301         D1A
2                       302   /D1A   /BASKNJ01F32/NEWBNJ03F23            BASKNJ01F32NEWBNJ03F23302         D1A
2                       401   /D1A   /BASKNJ01F41/NEWBNJ03F14            BASKNJ01F41NEWBNJ03F14401         D1A
2                       402   /D1A   /BASKNJ01F42/NEWBNJ03F24            BASKNJ01F42NEWBNJ03F24402         D1A
2                       116   /A     /BCRTFLMA    /FTLDFLMA              BCRTFLMA   FTLDFLMA   116         A
2                       1206  /A     /BGPIFLMA    /KYWSFLMA              BGPIFLMA   KYWSFLMA   1206        A
2                       1201  /N3    /BGPIFLMA    /SGKYFLMA              BGPIFLMA   SGKYFLMA   1201        N3
2                       101   /D1A   /BLDRCO01    /DNVRCO02              BLDRCO01   DNVRCO02   101         D1A
2              CMM4ZT3  TYPEA/T1     /BLTMMDDT    /BLTMMDLB              BLTMMDDT   BLTMMDLB   TYPEA       T1
2              CMM4ZT4  TYPEB/T1     /BLTMMDDT    /BLTMMDLB              BLTMMDDT   BLTMMDLB   TYPEB       T1
2              CMM4ZT5  TYPEC/T1     /BLTMMDDT    /BLTMMDLB              BLTMMDDT   BLTMMDLB   TYPEC       T1
2                       101   /N1    /BLTMMDFR    /BLTMMDLB              BLTMMDFR   BLTMMDLB   101         N1
2                       601T1/D2     /BRKNNY01ES1/MANNNY01SXS            BRKNNY01ES1MANNNY01SXS601T1       D2
2                       N2    /N1    /C           /J                     C
2                       101   /D1A   /CHRLNCBO    /GNBONCLA              CHRLNCBO   GNBONCLA   101         D1A
2                       101   /D3    /CHRLNCBO    /RLGHNCMO              CHRLNCBO   RLGHNCMO   101         D3
2                       101   /D1A   /DALLTXSO    /HOUSTXRO              DALLTXSO   HOUSTXRO   101         D1A
2                       101   /N1    /DALLTXSO    /HOUSTXRO              DALLTXSO   HOUSTXRO   101         N1
2                       101   /D1A   /DALLTXSO    /HOUSTXSO              DALLTXSO   HOUSTXSO   101         D1A
2              CMN4FQ4  101   /T4    /DALLTXSO    /HOUSTXSO              DALLTXSO   HOUSTXSO   101         T4
2                       105   /N1    /DALLTXSO    /HOUSTXSO              DALLTXSO   HOUSTXSO   105         N1
2                       111   /N1    /DALLTXSO    /HOUSTXSO              DALLTXSO   HOUSTXSO   111         N1
2                       201   /D1A   /DALLTXSO    /HOUSTXSO              DALLTXSO   HOUSTXSO   201         D1A
2                       201T1/D1A    /DALLTXSO    /HOUSTXSO              DALLTXSO   HOUSTXSO   201T1       D1A
2                       501   /N1    /DALLTXSO    /HOUSTXSO              DALLTXSO   HOUSTXSO   501         N1
2                       601   /N1    /DALLTXSO    /HOUSTXSO              DALLTXSO   HOUSTXSO   601         N1
2                       101   /N3    /DALLTXSO    /STLSMOM2              DALLTXSO   STLSMOM2   101         N3
                                                        PROPRIETARY
                                                 BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-27. Non-Matched Facility Records Report: TS-PC07

300.4.18 Audit Report: YDTS325 - TS-EDP - Audit Tracing Information

The audit report summarizes the input and output activities for the YDTS325 program. The major items on this report are as follows:

- **Circuit Records Processed**
- **Facility Records Processed**
- **Normalized Records Read**
- **Normalized Records Changed**
- **Normalized Records Dropped**
- **Normalized Records Written**
- **Report TS-PC07 Pages Written**
  This should equal the number of pages received.

```
                                  * * * * D R P - T D I S * * * *

COMPANY: TDIS REL 5.0 TEST    ( BC )                                  RUN FOLDER: YDTS3000
REPORT: TS-EDP                                                        PROGRAM: YDTS325     R-4.1.2
CONTROL DATE: 10/15/92                                                RUN DATE:  11/11/92  15:28:25
                                                                      PAGE:         2

                                       EDP PROGRAM SUMMARY REPORT
                                     NON-MATCHED FACILITY RECORDS
                                CIRCUIT RECORD MISSING OR NON-WORKING

                                 CIRCUIT RECORDS PROCESSED  =      12,190
                                 FACILITY RECORDS PROCESSED =       3,355
                                 NORMALIZED RECORDS READ    =       1,374
                                 NORMALIZED RECORDS CHANGED =           4
                                 NORMALIZED RECORDS DROPPED =         246
                                 NORMALIZED RECORDS WRITTEN =       1,128


                                 REPORT PAGES WRITTEN:
                                 TS-PC07                    =           7









                                * * * * * *  END OF REPORT  * * * * * *
                                           PROPRIETARY
                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 300-28. Audit Report - YDTS325: TS-EDP - Audit Tracing Information

300.5 Abnormal Termination

The following situation will result in termination of the process:

Condition Code 2007 - No header record found for file name. This condition code may be the result of improper sort of data, the program did not start at the first tape, prior program did not complete correctly, or other processing malfunctions.

Condition Code 2009 - Invalid header record. This condition code may also indicate that there is a mismatch on the CPU ID between the input card and the data being accessed, the control data does not match the header record, or the header record data is outside the range dictated by the TDIS logic.

Condition Code 2010 - Abnormal condition encountered in accessing the DRP DRDD Table. This could indicate that the ‘‘tblname’’ was invalid.

Condition Code 2012 - Non-zero condition code from PL/I sort.

Condition Code 2017 - Indicates that a TDIS file was invalid.

Condition Code 2018 - Indicates a file sequence error.

Condition Code 2019 - Indicates invalid data.

Condition Code 2022 - Number of facility units assigned to nonexistent circuits exceeded the threshold parameter input on the transmittal card. Utilization of the default value of 999999 would eliminate this condition code being generated.

Condition Code 2023 - One or both of the threshold parameters input on the transmittal card contained nonnumeric character(s). A new corrected transmittal is required to restart the process.

Condition Code 2026 - Indicates an invalid or missing parameter card.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE
The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

400. YDTS400 - Create Outside Plant Utilization Data Files

400.1 General Description

This procedure creates various files and reports to be used by the personnel responsible for the C&W Study. This is accomplished by extracting data from the Merged Circuit Details Facility Length File (MCDFACID) from YDTS500, the Merged Facility Summary File (MFACSUM) from the YDTS300, and the DR Class Code to Category Translation Table maintained by the TDIS On-Line Table Update Facility (TDIS-TBL).

The output of the YDTS400 process is the Outside Plant Details file for use in the YDTS420, Create Outside Plant Reports, the Outside Plant Reports Work file and the Outside Plant Summary File, which is downloaded to a PC via local company procedures.

Since some of the output files/reports are not used by the TDIS user, only a basic description of these items is included in this manual. Input items that are of concern to both the C&W and TDIS user are described in detail.

400.2 Program Flow Diagram

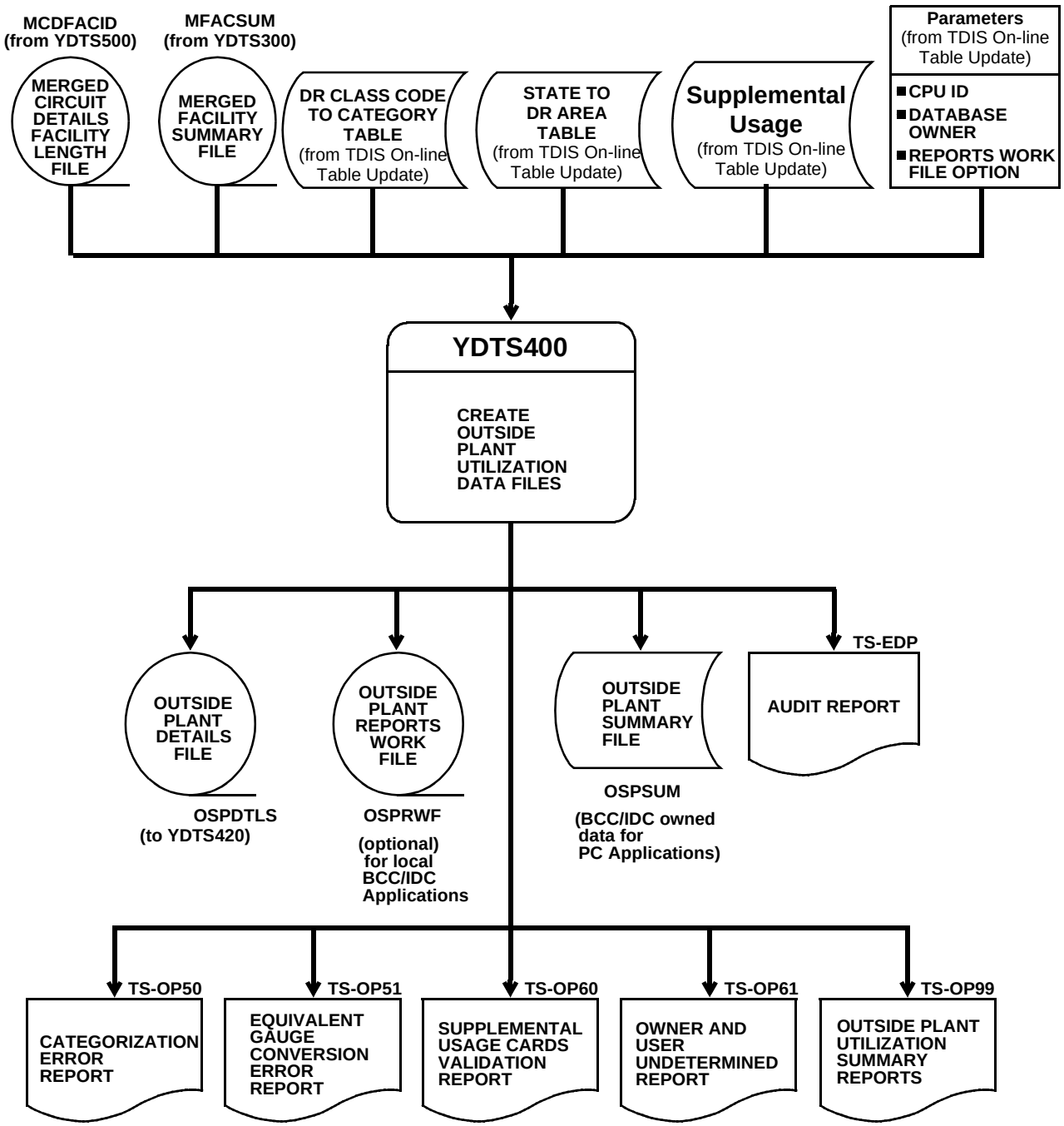

Figure 400-1. YDTS400 Program Flow Diagram

400.3 Inputs

400.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date this process is to be executed.
2. RUN SEQUENCING REQUIREMENTS - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B contains job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of the person(s) to whom the processed reports are to be delivered.

> **NOTE —** Maintenance of the control card for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL).

400.3.2 Input Parameters

The following are created using the TDIS On-Lines Tables:

- Generation of Reports Work File. Enter **Y** or **N**.
- CPU ID.
- Database owner (DBO).

400.4 Outputs

400.4.1 Categorized Error Report: TS-OP50

This report shows the circuit records for which a DR Category could not be generated. The report can be used for correcting the DR CKT TYPE information in TIRKS and/or the TDIS Class Code to Category Table.

There are two situations in which the program does not generate a DR category and accumulates counts in the ERROR category field. These are as follows:

- A separation category could not be generated because the DR Class Code did not appear in the DR Class Code to Category table.
- A category was found in the Class Code to Category Table, but the category is not a valid code for the outside plant study. Valid outside plant codes are hardcoded in program YDTS400 and are listed in Appendix E.

* * * * D R P – T D I S * * * *

COMPANY: BELLCORE REL. 5.0 (PA)
REPORT: TS-OP50
CONTROL DATE: 07/01/91

RUN FOLDER: YDTS4000
PROGRAM: YDTS400 R-5.0
RUN DATE: 09/14/92 17:00:50
PAGE: 1

CATEGORIZATION ERROR REPORT

CXE IND	FACILITY LOCATION A	FACILITY LOCATION Z	CABLE NUM/ FAC DESIGN	LAST PAIR/ FAC TYPE	DR GRP	DR CLS	DR CAT	DR CKT TYPE	CIRCUIT IDENTIFICATION	CIRCUIT ACCESS CODE
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	220/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EK7
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	221/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EK8
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	222/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EK9
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	223/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EL2
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	224/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EL3
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	225/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EL4
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	226/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EL5
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	227/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EL6
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	228/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EL7
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	229/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EL8
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	230/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EL9
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	231/ F53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EM2
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	232/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EM3
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	233/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EM4
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	234/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EM5
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	235/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EM6
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	236/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EM7
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	237/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EM8
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	238/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EM9
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	239/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EN2
X	PTTNPAPIDC0	SCTNPASCDC0	113	T1	I	MS		MSGST	240/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9EN3
X	PTTNPAPIDC0	SCTNPASCDC0	120	T1	I	MS		MSGST	1/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DG4
X	PTTNPAPIDC0	SCTNPASCDC0	120	T1	I	MS		MSGST	2/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DG5
X	PTTNPAPIDC0	SCTNPASCDC0	120	T1	I	MS		MSGST	3/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DG6
X	PTTNPAPIDC0	SCTNPASCDC0	120	T1	I	MS		MSGST	4/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DG7
X	PTTNPAPIDC0	SCTNPASCDC0	120	T1	I	MS		MSGST	5/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DG8
X	PTTNPAPIDC0	SCTNPASCDC0	120	T1	I	MS		MSGST	6/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DG9
X	PTTNPAPIDC0	SCTNPASCDC0	120	T1	I	MS		MSGST	7/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DH2
X	PTTNPAPIDC0	SCTNPASCDC0	120	T1	I	MS		MSGST	8/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DH3
X	PTTNPAPIDC0	SCTNPASCDC0	120	T1	I	MS		MSGST	9/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DH4
X	PTTNPAPIDC0	SCTNPASCDC0	120	T1	I	MS		MSGST	10/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DH5
X	PTTNPAPIDC0	SCTNPASCDC0	120	T1	I	MS		MSGST	11/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DH6
X	PTTNPAPIDC0	SCTNPASCDC0	120	T1	I	MS		MSGST	12/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DH7
X	PTTNPAPIDC0	SCTNPASCDC0	120	T1	I	MS		MSGST	13/ F53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DH8
X	PTTNPAPIDC0	SCTNPASCDC0	120	T1	I	MS		MSGST	14/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DH9
X	PTTNPAPIDC0	SCTNPASCDC0	120	T1	I	MS		MSGST	15/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DJ2
X	PTTNPAPIDC0	SCTNPASCDC0	120	T1	I	MS		MSGST	16/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DJ3
X	PTTNPAPIDC0	SCTNPASCDC0	121	T1	I	MS		MSGST	17/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DJ4
X	PTTNPAPIDC0	SCTNPASCDC0	121	T1	I	MS		MSGST	18/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DJ5
X	PTTNPAPIDC0	SCTNPASCDC0	121	T1	I	MS		MSGST	19/AF53MD /PTTNPAPIDS0/77/SCTNPASC71T	MUJ9DJ6

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Figure 400-2. Categorized Error Report: TS-OP50

400.4.2 Equivalent Gauge Conversion Error Report: TS-OP51

This report identifies the facility units that could not be converted to an equivalent 22-gauge length. This report should be referred to C&W Study personnel for review, analysis, and corrective action.

```
                                                 * * * * D R P - T D I S * * * *
COMPANY: BELLCORE REL. 5.0    ( PA )                                                                            RUN FOLDER: YDTS4000
REPORT: TS-OP51                                                                                                 PROGRAM: YDTS400      R-5.0
CONTROL DATE: 07/01/91                                                                                          RUN DATE:  09/14/92  17:00:50
                                             EQUIVALENT GAUGE CONVERSION ERROR REPORT                          PAGE:          1
                                    CXE   FACILITY     FACILITY       CABLE       LAST    FACILITY
                                    IND  LOCATION A   LOCATION Z     NUMBER       PAIR      GROUP
                                    ---  -----------  -----------  ----------    ------  ---------
                                     C   THEOCATA     THEOCATB     FW            00005
                                     C   THEOHQTA     THEOHQTB     TEST1         00010   64H66
                                     C   THEOPETA     THEOPETB     1983          00025
                                     C   TRNGDBAA     TRNGDBBB     111           00131

                                                ******  END OF REPORT  ******
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```

Figure 400-3. Equivalent Gauge Conversion Error Report: TS-OP51

400.4.3 Supplemental Usage Cards Validation Report: TS-OP60

This report reflects the data input on the SU/SH cards and any associated errors that were encountered. The error messages that may be encountered are as follows:

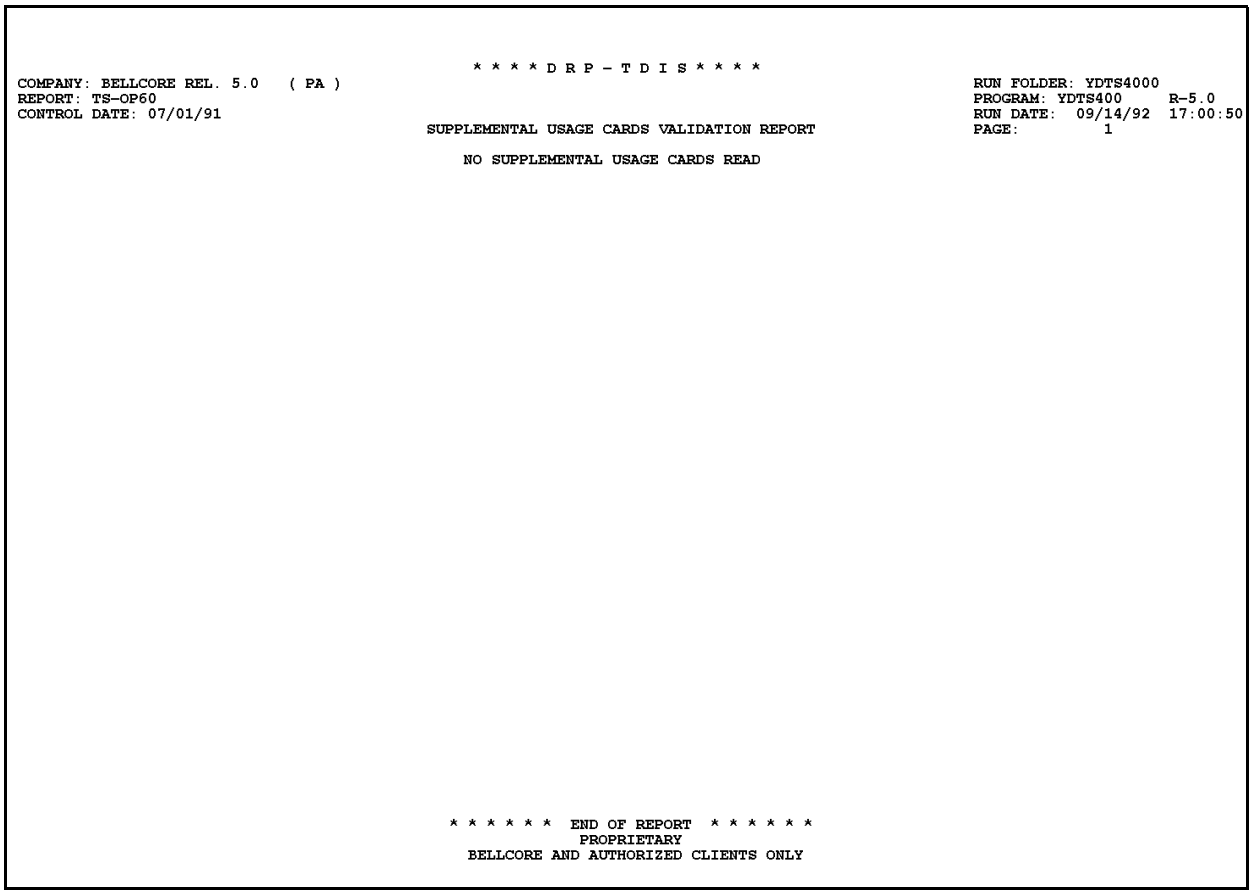
5A - Indicated Field Is Invalid
The data in question will be underlined to assist the user in initiating necessary corrections. Compare this data to the transmittal sheet to determine the cause of the error.

5B - Required Field Missing
The input card is lacking critical data necessary to initiate the process. A corrected input card is required to restart the process.

5E - Working Plus Spare Not Equal to Total
This error should be referred to C&W Study personnel for resolution and corrected data.

5F - Sum of Pair/Channel Count Not Equal to Working Count
This error should be referred to C&W Study personnel for resolution and corrected data.

A summary of the supplemental usage cards read, accepted, and rejected is also provided. If cards were rejected, the TDIS and C&W personnel should jointly review the data to determine corrective action and a new transmittal prepared to restart the process.



```
                                * * * * D R P - T D I S * * * * *

COMPANY: BELLCORE REL. 5.0    ( PA )                                  RUN FOLDER: YDTS4000
REPORT: TS-OP60                                                       PROGRAM: YDTS400      R-5.0
CONTROL DATE: 07/01/91                                                RUN DATE:  09/14/92  17:00:50
                                SUPPLEMENTAL USAGE CARDS VALIDATION REPORT   PAGE:         1

                                NO SUPPLEMENTAL USAGE CARDS READ




                                * * * * * *  END OF REPORT  * * * * * *
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```

Figure 400-4. Supplemental Usage Cards Validation Report: TS-OP60

400.4.4 Owner and User Undetermined Report: TS-OP61

This report reflects facilities whose owner and/or user could not be determined. This determination is based on the divested administrator and DR area.

Since these errors may be the result of incorrect TIRKS data, the report should be reviewed by both the TDIS and C&W personnel. The report headings and content are as follows:

- CXE IND - X or C
- FACILITY LOCATION A - Originating Location
- FACILITY LOCATION Z - Terminating Location
- CABLE NUM/FAC DESIGN - Numeric identification of facility
- LAST PAIR/FAC GROUP - Last pair in cable complement or carrier type
- DR AREA - Physical Location
- DIV ADMIN - As determined by TDIS logic
- OWNER-USER -Any combination of U, A, B, or I.

(Refer to Appendix I for more detailed explanations of the above fields.)

* * * * D R P – T D I S * * * *

COMPANY: TDIS REL 5.0 TEST (BC)
REPORT: TS-OP61
CONTROL DATE: 10/15/92

RUN FOLDER: YDTS4000
PROGRAM: YDTS400 R-5.0
RUN DATE: 12/16/92 08:08:03
PAGE: 1

OWNER AND USER UNDETERMINED REPORT

CXE IND	FACILITY LOCATION A	FACILITY LOCATION Z	CABLE NUM/ FAC DESIGN	LAST PAIR/ FAC TYPE	DR AREA	DIV ADMIN	OWNER-USER
C	BASKNJ01	PISCNJ02	CB501	00100	MOSL	OB	UB
C	BASKNJ01	PISCNJ02	CB601	00100	MOSL	OB	UB
C	BELLOC01	BELLOC02	102	00100	OKOK	BCR	UU
C	BELLOC01	BELLOC03	103	00100	OKOK	BCR	UU
C	BELLOC01	BELLOC04	104	00100	OKOK	BCR	UU
C	BELLOC01	BELLOC05	105	00100	OKOK	BCR	UU
C	BLTMMDAA	BLTMMDJJ	TK001	00020	MOKC	OB	UB
C	BLTMMDAA	BLTMMDJJ	TK001	00020	MOSL	OB	UB
C	BLTMMDAA	BLTMMDJJ	TK002	00020	MOKC	OB	UB
C	BLTMMDAA	BLTMMDJJ	TK002	00020	MOSL	OB	UB
C	BLTMMDCH	BLTMMDED	TK001	00020	MOKC	OB	UB
C	BLTMMDCH	BLTMMDED	TK001	00020	MOSL	OB	UB
C	BLTMMDCH	BLTMMDED	TK002	00020	MOKC	OB	UB
C	BLTMMDCH	BLTMMDED	TK002	00020	MOSL	OB	UB
C	BLTMMDDT	BLTMMDFR	TK001	00020	MOKC	OB	UB
C	BLTMMDDT	BLTMMDFR	TK001	00020	MOSL	OB	UB
C	BLTMMDDT	BLTMMDFR	TK002	00020	MOKC	OB	UB
C	BLTMMDDT	BLTMMDFR	TK002	00020	MOSL	OB	UB
C	BLTMMDED	BLTMMDHM	TK101	00020	MOKC	OB	UB
C	BLTMMDED	BLTMMDHM	TK101	00020	MOSL	OB	UB
C	BLTMMDED	BLTMMDHM	TK102	00020	MOKC	OB	UB
C	BLTMMDED	BLTMMDHM	TK102	00020	MOSL	OB	UB
C	BLTMMDFR	BLTMMDLB	TK101	00020	MOKC	OB	UB
C	BLTMMDFR	BLTMMDLB	TK101	00020	MOSL	OB	UB
C	BLTMMDFR	BLTMMDLB	TK102	00020	MOKC	OB	UB
C	BLTMMDFR	BLTMMDLB	TK102	00020	MOSL	OB	UB
C	BLTMMDJJ	BLTMMDZZ	TK101	00020	MOKC	OB	UB
C	BLTMMDJJ	BLTMMDZZ	TK101	00020	MOSL	OB	UB
C	BLTMMDJJ	BLTMMDZZ	TK102	00020	MOKC	OB	UB
C	BLTMMDJJ	BLTMMDZZ	TK102	00020	MOSL	OB	UB
C	DALLTXSO	HOUSTXRO	1001	00010	OKOK	OB	UB
C	DALLTXSO	HOUSTXSO	AAA02	00020	MOSL	OB	UB
C	DALLTXSO	HOUSTXSO	AAA02	00020	OKOK	OB	UB
C	DALLTXSO	HOUSTXSO	AAA03	00020	MOSL	OB	UB
C	DALLTXSO	HOUSTXSO	AAA03	00020	OKOK	OB	UB
C	DALLTXSO	HOUSTXSO	AAA06	00020	MOSL	OB	UB
C	DALLTXSO	HOUSTXSO	AAA06	00020	OKOK	OB	UB
C	DALLTXSO	HOUSTXSO	AAA07	00020	MOSL	OB	UB
C	DALLTXSO	HOUSTXSO	AAA07	00020	OKOK	OB	UB
C	DALLTXSO	STLSMOM2	1001	00010	OKOK	OB	UB

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Figure 400-5. Owner and User Undetermined Report: TS-OP61

400.4.5 Outside Plant Utilization Summary Reports: TS-OP99

These reports reveal the content of the Outside Plant Summary Reports File (OSPSUM). These should be directed to the C&W personnel for review and analysis.

```
                                    * * * * D R P – T D I S * * * *
COMPANY: BELLCORE REL. 5.0   ( PA )                                                    RUN FOLDER: YDTS4000
REPORT: TS–OP99                                                                        PROGRAM: YDTS400      R–5.0
CONTROL DATE: 07/01/91                                                                 RUN DATE:  09/14/92  17:00:50
                                  OUTSIDE PLANT UTILIZATION SUMMARY REPORTS             PAGE:          1
STATE=DE                            BOC OWNED AND USED COMBINED CABLE
2LCL          0 2ACNAC          0 2ACC            0 2PLI            0 2PLS          0 2PLE          0 3             0
XA            0 XB              0 CONT            0 1               0 NRP           0 ERROR         0 MEMO          0
TOTAL         0 WRKG            0 SPARE           0
C             0 2WBIE           0 2WBIR           0 2WBIC           0 2WBSE         0 2WBSR         0 4             0
3ELI          0 3ELS            0 2WBIL           0 2WBSL           0 2ELE          0
STATE=DE                            BOC OWNED AND USED LOADED CABLE
2LCL          0 2ACNAC          0 2ACC            0 2PLI            0 2PLS          0 2PLE          0 3             0
XA            0 XB              0 CONT            0 1               0 NRP           0 ERROR         0 MEMO          0
TOTAL         0 WRKG            0 SPARE           0
C             0 2WBIE           0 2WBIR           0 2WBIC           0 2WBSE         0 2WBSR         0 4             0
3ELI          0 3ELS            0 2WBIL           0 2WBSL           0 2ELE          0
STATE=DE                            BOC OWNED AND USED NONLOADED CABLE
2LCL          0 2ACNAC          0 2ACC            0 2PLI            0 2PLS          0 2PLE          0 3             0
XA            0 XB              0 CONT            0 1               0 NRP           0 ERROR         0 MEMO          0
TOTAL         0 WRKG            0 SPARE           0
C             0 2WBIE           0 2WBIR           0 2WBIC           0 2WB E         0 2WBSR         0 4
3ELI          0 3ELS            0 2WBIL           0 2WBSL           0 2ELE          0
STATE=DE                            BOC OWNED AND USED FIBER CABLE
2LCL          0 2ACNAC          0 2ACC            0 2PLI            0 2PLS          0 2PLE          0 3             0
XA            0 XB              0 CONT            0 1               0 NRP           0 ERROR         0 MEMO          0
TOTAL         0 WRKG            0 SPARE           0
C             0 2WBIE           0 2WBIR           0 2WBIC           0 2WBSE         0 2WBSR         0 4             0
3ELI          0 3ELS            0 2WBIL           0 2WBSL           0 2ELE          0
STATE=DE                            BOC OWNED AND USED CARRIER
2LCL          0 2ACNAC          0 2ACC            0 2PLI            0 2PLS          0 2PLE          0 3             0
XA            0 XB              0 CONT            0 1               0 NRP           0 ERROR         0 MEMO          0
TOTAL         0 WRKG            0 SPARE           0
C             0 2WBIE           0 2WBIR           0 2WBIC           0 2WBSE         0 2WBSR         0 4             0
3ELI          0 3ELS            0 2WBIL           0 2WBSL           0 2ELE          0
STATE=DE                            BOC OWNED AND LEASED TO OTHERS COMBINED CABLE
2LCL          0 2ACNAC          0 2ACC            0 2PLI            0 2PLS          0 2PLE          0 3             0
XA            0 XB              0 CONT            0 1               0 NRP           0 ERROR         0 MEMO          0
TOTAL         0 WRKG            0 SPARE           0
C             0 2WBIE           0 2WBIR                                             0 2WBSR         0 4             0
3ELI          0 3ELS            0 2WBIL                                             0

                                  * * * * * *  END OF REPORT  * * * * * *
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```

Figure 400-6. Outside Plant Utilization Summary Reports: TS-OP99

400.4.6 Audit Report: TS-EDP

The audit report will summarize the input and output activities of the YDTS400 process. Check the following items:

The first page (not shown) provides filenames (MCDFACID and MFACSUM) and their respective CPUs and dates.

The second page (**Figure 400-7.**) provides an image of the TDIS on-line tables card input; a count of cards read, accepted, and rejected; and any error messages that were generated. The following error messages may be encountered:

5A - Indicated Field Is Invalid 5B - Required Field Is Missing
Refer to Section 400.3.

5N - Duplicates Not Allowed
Identical SD Cards were input. Review transmittal form and resubmit.

5M - Request Limit Exceeded
More than 10 DR Areas were input. Review transmittal form and resubmit.

The data on this page should be compared to the original transmittal to determine if there were any incorrect cards submitted.

```
                                                * * * * D R P - T D I S * * * *
COMPANY: ENTER COMPANY NAME   ( CB )                                                                RUN FOLDER: YDTS400
REPORT: TS-EDP                                                                                      PROGRAM: YDTS400     R-5.1
CONTROL DATE: 10/04/93                                                                              RUN DATE:  10/18/93  17:11:40
                                               EDP PROGRAM SUMMARY AND AUDIT REPORT                 PAGE:         2
                                                CREATE OUTSIDE PLANT UTILIZATION DATA
                                             STATE TO DR STUDY AREA (DRAREA) TABLE
                                 DR   DR   DR   DR   DR   DR   DR   DR   DR   DR   DR   DR
                             ST AREA AREA AREA AREA AREA AREA AREA AREA AREA AREA AREA AREA
                             -- ---- ---- ---- ---- ---- ---- ---- ---- ---- ---- ---- ----
                             KY CK
                             OH CH

                             DRAREA  TABLE LAST UPDATED ON                                  10/18/93
                             DRAREA  TABLE GENERATION NUMBER                                G0008V00
                             DRAREA  TABLE RECORD COUNT                               =            2



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```

Figure 400-7. Audit Report: TS-EDP (Example 1)

Page 2 of the TS-EDP report (Figure 4000-7) provides information about the ”State to DR Study Area (DRAREA) Table” as well as a printout of the table used for this execution of YDTS400.

- **DRAREA Table Last Updated On**
  This should be the date this version of the DRAREA table was last updated via the TDIS On-Line Table Update Facility.
- **DRAREA Table Generation Number**
  This is the specific version of the current DRAREA table used for this execution of YDTS400.
- **DRAREA Table Record Count**
  This should equal the number of table records in the current DRAREA table.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BELLCORE REL. 5.0   ( PA )                                                          RUN FOLDER: YDTS4000
REPORT: TS-EDP                                                                               PROGRAM: YDTS400    R-5.0
CONTROL DATE: 07/01/91                                                                       RUN DATE:  09/14/92  17:00:50
                                       EDP PROGRAM SUMMARY AND AUDIT REPORT                  PAGE:        3
                                        CREATE OUTSIDE PLANT UTILIZATION DATA
             CIRCUIT DETAILS FACILITY FILE(MCDFACID) RECORDS READ: CIRCUIT DATA  (1)    =     1,260,550
                                                                   FACILITY DATA (2)    =       890,903
                                                                   TOTAL                =     2,151,453
             DRP FACILITY SUMMARY FILE(MFACSUM) RECORDS READ:      HEADER        (1)    =        61,383
                                                                   OWNERSHIP     (2)    =        60,222
                                                                   UTILIZATON    (3)    =        61,417
                                                                   TOTAL                =       243,197
             DRP DRCAT TABLE LAST UPDATED ON:                                                  08/12/91
             DRP DRCAT TABLE RECORDS READ                                               =           365
             RECORD COUNTS:      HEADER RECORDS (FACILITY COMPLEMENTS)                  =        61,382
                                 NON WORKING HEADERS                                    =         1,939
                                 INTRA BUILDING CABLE HEADERS                           =             0
                                 INTRA BUILDING CARRIER HEADERS                         =         5,068
                                 UNIT RECORDS (FACILITY UNITS)                          =       890,903
                                 INTRA BUILDING CABLE UNITS                             =             0
                                 INTRA BUILDING CARRIER UNITS                           =        76,287
                                 TIE CABLE UNITS                                        =             0
                                 TIE CARRIER UNITS                                      =             0
                                 INFORMATIONAL RECORDS (CIRCUITS W/NO FACILITIES)       =       544,882
             OUTSIDE PLANT DETAILS FILE(OSPDTLS) RECORDS WRITTEN:  CABLE                =       132,651
                                                                   FIBER                =         7,804
                                                                   CARRIER              =       931,685
                                                                   CARRIER W/O FACILITY =         7,067
                                                                   TOTAL                =     1,079,207
             OSP REPORTS WORK FILE(OSPRWF) RECORDS WRITTEN:        CIRCUIT       (I)    =       544,882
                                                                               ' (U)    =       890,903
                                                                               L(H)     =        61,382
                                                                                        =     1,497,167




                                      * * * * * *  END OF REPORT  * * * * * *
                                                  PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 400-8. Audit Report: TS-EDP (Example 2)

The third page of the TS-EDP report (Figure 400-8) provides the processing counts as follows:

- **Circuit Details Facility File (MCDFACID) Records Read: Circuit Data, Facility Data, and Total**
  This should correspond to the number of records written by the YDTS500 process.
- **DRP Facility Summary File (MFACSUM) Records Read: Header, Ownership, Utilization, and Total**
  This should correspond to the number of records written by the YDTS300 process.
- **DRP DRCAT Table Last Updated On**
  This should be the date this version of the DRCAT table was last updated via the TDIS On-Line Table Update Facility.

- **DRP DRCAT Table Records Read**
  This should equal the number of table records in the current DRCAT table.
- **Record Counts**
  Header Records (Facility Complements), Non-Working Headers, Intra Building Cable Headers, Intra-Building Carrier Headers. Unit Records (Facility Units), Intra-Building Cable Units, Intra-Building Carrier Units, Tie Cable Units, Tie Carrier Units, Informational Records (Circuits W/No Facilities)
- **Outside Plant Details File (OSPDTLS) Records Written: Cable, Fiber, Carrier, Carrier Without Facility, and Total**
  This should correspond to the number of records written by the YDTS420 process.
- **Outside Plant Work File (OSPRWF) Records Written:** Circuit, Facility Unit, Facility Complement, and Total

400.5 Abnormal Termination

The following situation will result in termination of the process:

Condition Code 2007 - No header record found for file name. This condition code may be the result of improper sort of data, the program did not start at the first tape, prior program did not complete correctly, or other processing malfunctions.

Condition Code 2009 - Invalid header record. This condition code may also indicate that there is a mismatch on the CPU ID between the input card and the data being accessed, the control data does not match the header record, or the header record data is outside the range dictated by the TDIS logic.

Condition Code 2012 - Non-zero condition code from PL/I sort.

Condition Code 2025 - Invalid data base owner parameter.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE
The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

Condition Code 2031 - No complement data found on the DRP facility summary file for facility unit.

Condition Code 2043 - State to DR study area (DRAREA) table is either empty or exceeds the maximum of 20 records.

410. YDTS410 - Create Outside Plant Normalized Utilization Data

410.1 General Description

This procedure processes normalized cable usage from the MFACSUM file and summarizes cable mileages by Outside Plant (OSP) separations categories to produce the OSPUTIL PC file. The data is used to determine the owner/user and gauge equivalency when applicable and to build a PC file (OSPUTIL) containing BCC-owned mileage by category within technology within state.

> **NOTE —** Users electing not to use the normalized data can continue to run the YDTS400 procedure, which uses the current MFACSUM file.

This procedure creates various files and reports to be used by the personnel responsible for the C&W Study. This is accomplished by extracting data from the Merged Facility Summary File (MFACSUM) from the YDTS300 and the DR Class Code to Category Translation Table created in the TDIS-Online Table update system.

The output of the YDTS410 process is the Create Outside Plant Reports and the Outside Plant Utilization Summary File, which is downloaded to a PC via local company procedures.

410.2 Program Flow Diagram

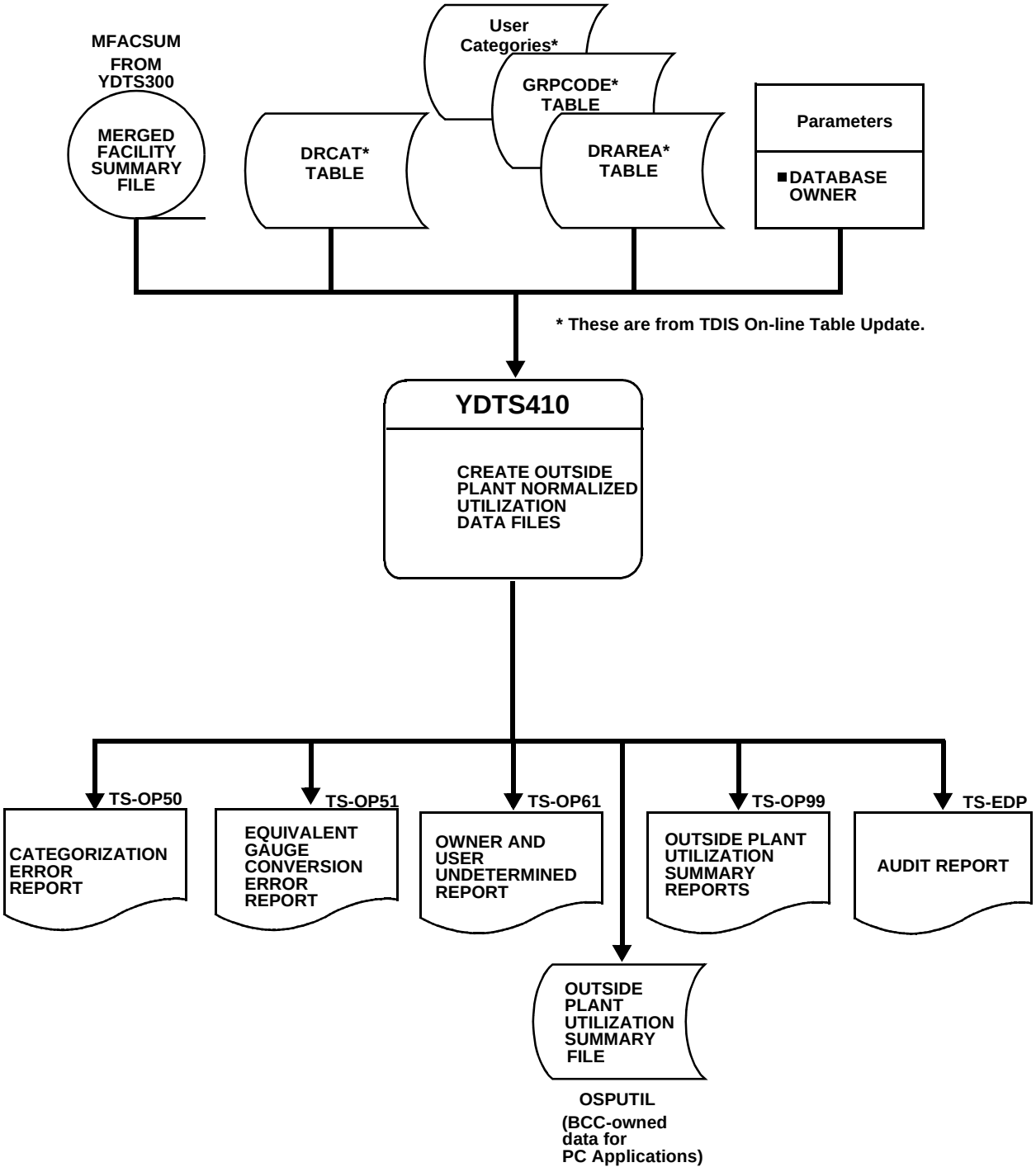

Figure 410-1. YDTS410 Program Flow Diagram

410.3 Inputs

410.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date this process is to be executed.
2. RUN SEQUENCING REQUIREMENTS - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B contains job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of the person(s) to whom the processed reports are to be delivered.

> **NOTE —** Maintenance of the user category table for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL). Maintenance of the Study Area to DR AREA table is now done by the DRAREA table. Maintenance of the TIE Group Codes are now done by the GRPCODE table.

410.3.2 Input Parameter

- Database owner (DBO).

410.4 Outputs

410.4.1 Categorization Error Report: TS-OP50

This report shows the circuit records for which a DR Category could not be generated. The report can be used to correct the DR CKT TYPE information in TIRKS and/or the TDIS Class Code to Category Table.

There are two situations in which the program does not generate a DR category and accumulates counts in the ERROR category field. These are as follows:

- A separation category could not be generated because the DR Class Code did not appear in the DR Class Code To Category table.
- A category was found in the Class Code To Category Table, but the category is not a valid code for the outside plant study. Table 410-1 lists valid outside plant categories and classifications in the order in which they appear in the report.

Table 410-1. Valid Outside Plant Categories and Classifications (Sheet 1 of 2)

OSP Category	Description
Interexchange Categories	
3MISER	Message InterState InterLATA
3MISRA	Message InterState IntraLATA
3MISCR	Message InterState Corridor
3MISSH	Message InterState Shared
3MSTER	Message State InterLATA
3MSTRA	Message State IntraLATA
3MSTSH	Message State Shared
3MJT	Message Joint
3MJTAB	Message Joint FG A & B
3PISER	Private Line Interstate InterLATA
3PISRA	Private Line Interstate IntraLATA
3PISCR	Private Line Interstate Corridor
3TIER5	Teletype Interstate InterLATA v 75 baud
3TIRA5	Teletype Interstate IntraLATA v 75 baud
3TICR5	Teletype Interstate Corridor v 75 baud
3TIER6	Teletype Interstate InterLATA u 75 baud
3TIRA6	Teletype Interstate IntraLATA u 75 baud
3TICR6	Teletype Interstate Corridor u 75 baud
3TIERV	Teletype Interstate InterLATA Voice
3TIRAV	Teletype Interstate IntraLATA Voice
3TICRV	Teletype Interstate Corridor Voice
3PGIER	Program Grade Interstate InterLATA
3PGIRA	Program Grade Interstate IntraLATA
3PGICR	Program Grade Interstate Corridor
3WATIS	WATS Interstate
3PSTER	Private Line State InterLATA
3PSTRA	Private Line State IntraLATA
3TSER5	Teletype State InterLATA v 75 baud
3TSRA5	Teletype State IntraLATA v 75 baud
3TSER6	Teletype State InterLATA u 75 baud
3TSRA6	Teletype State IntraLATA u 75 baud
3TSERV	Teletype State InterLATA Voice

Table 410-1. Valid Outside Plant Categories and Classifications (Sheet 2 of 2)

OSP Category	Description
Interexchange Categories	
3TSRAV	Teletype State IntraLATA Voice
3PGSER	Program Grade State InterLATA
3PGSRA	Program Grade State IntraLATA
3WATST	WATS State
Exchange Categories	
1	KCT 1 local host
4	remote host
2LCL	Exchange Local
2ACNAC	Exchange Access Non-Access
2ACC	Exchange Access
2PLI	Exchange Private Line Interstate
2PLS	Exchange Private Line State
2PLE	Private Line Exchange
2WBI	Exchange Wideband Interstate Local
2WBS	Exchange Wideband State Local
2WBIE	Exchange Wideband Interstate InterLATA
2WBIR	Exchange Wideband Interstate IntraLATA
2WBIC	Exchange Wideband Interstate Corridor
2WBSE	Exchange Wideband State InterLATA
2WBSR	Exchange Wideband State IntraLATA
2ELE	End Link Exchange

* * * * D R P – T D I S * * * *

COMPANY: BELLCORE TEST 5.0 (PA)
REPORT: TS–OP50
CONTROL DATE: 07/01/91

RUN FOLDER: YDTS4100
PROGRAM: YDTS410 R–5.0
RUN DATE: 09/14/92 09:51:12
PAGE: 1

CATEGORIZATION ERROR REPORT

C/F IND	FACILITY LOCATION A	FACILITY LOCATION Z	CABLE NUM/ FAC DESIGN	LAST PAIR/ FAC TYPE	DR GRP	DR CLS	DR CAT
F	ALNAPAAL	ALNAPATS	800	00012	E	PLQQ	
F	DKCYPAMCW99	SCTNPASC	813	00004	I	PLV4	
F	ELSMDECL	WLMGDEWL	LG435	00006	I	PLV4	
F	KGPRPAKP	KGPRPA24	FO02	00068	E	PLQQ	
F	KGPRPAKP	KGPRPA24	FO05	00008	E	PLQQ	
F	KGPRPAKP	NRTWPANR	LG557	00024	M	PLQQ	
F	MOSCPAMC	PTTNPAPI	878	00008	I	MS	
F	MOSCPAMC	TAYLPATA	871	00008	I	MS	
F	NRTWPANR	TRPRPATR	LG575	00028	M	PLQQ	
F	PAOLPAPA	PXVLPAPV	TO626	00012	I	PLQQ	
F	PAOLPAPA	WAYNPAWY	LG597	00018	M	PLQQ	
F	PHLAPAAA	PHLAPALO	LG2	001 4	E	QQE4	
F	PHLAPAAA	PHLAPALU	LG2	00144	E	QQE4	
C	PHLAPABA	PHLAPAPO	443	00300	E	QQE4	
C	PHLAPABA	PHLAPAPO	456	00300	E	QQE4	
F	PHLAPAHQ	PHLAPALO	LG1	00108	E	JNE4	
F	PHLAPAHQ	PHLAPAMT	LG1	00108	E	JNE4	
F	PHLAPALO	PHLAPAMK	T489	00144	E	JNE4	
F	PHLAPALO	PHLAPAMT	LG1	00084	E	JNE4	
F	PHLAPALO	PHLAPAPE	LG612	00072	E	QQE4	
C	PHLAPALO	PHLAPAPO	428	00300	E	QQE4	
C	PHLAPALO	PHLAPAPO	447	00300	E	QQE4	
F	PHLAPALU	PHLAPASL	LG2B	00036	E	QQE4	
F	PHLAPAPE	PHLAPASL	FO1	00024	E	QQE4	
F	PTTNPAPI	SCTNPASC	802	00018	I	MS	
F	PXVLPAPV	TRPRPATR	TO659	00012	I	PLQQ	
F	SCTNPASC	TAYLPATA	870	00008	I	MS	

*

* * * * * * END OF REPORT * * * * * *
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Figure 410-2. Categorization Error Report: TS-OP50

410.4.2 Equivalent Gauge Conversion Report: TS-OP51

This report identifies the facility units that could not be converted to an equivalent 22-gauge length. This report should be referred to the C&W Study personnel for review, analysis, and corrective action.

* * * * D R P – T D I S * * * *

COMPANY: TDIS REL 5.0 TEST (BC)
REPORT: TS–OP51
CONTROL DATE: 10/15/92

RUN FOLDER: YDTS4100
PROGRAM: YDTS410 R–5.0
RUN DATE: 12/15/92 08:19:11
PAGE: 1

EQUIVALENT GAUGE CONVERSION ERROR REPORT

C/F IND	FACILITY LOCATION A	FACILITY LOCATION Z	CABLE NUMBER	LAST PAIR	FACILITY GROUP
C	BLVLIL81	STLSMO09	CODCK	00025	
C	LOCRD	RRC2	1	00005	
C	LOCRD	RRC2	2	00005	
C	PISCNJMT	SMVLNJMT	ITALN	00100	04–NL
C	PISCNJMT	SMVLNJMT	ITALY	00030	07H88
C	PISCNJMT	SMVLNJMT	ITAL8	00050	04H88
C	PISCNJMT	SMVLNJMT	METRC	00050	07–NL
C	STLSMO01	STLSMO02	KRC83	00029	
C	STLSMO01	STLSMO02	KRC83	00040	
C	STLSMO01	STLSMO02	M1	00050	
C	STLSMO01	STLSMO02	ONE	00010	
C	STLSMO01	STLSMO02	0001	00100	
C	STLSMO01	STLSMO02	000	00049	
C	STLSMO01	STLSMO02	0003	00100	
C	STLSMO01	STLSMO02	22225	00010	
C	STLSMO01	STLSMO02	4.250	00101	
C	STLSMO01	STLSMO08	T123	00030	
C	STLSMO0101T	STLSMO0226A	TEST	00050	

* * * * * * END OF REPORT * * * * * *
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Figure 410-3. Equivalent Gauge Conversion Report: TS-OP51

410.4.3 Owner and User Undetermined Report: TS-OP61

This report reflects facilities whose owner and/or user could not be determined. This determination is based on the Divested Administrator and DR Area. Appendix E provides the logic used to make this determination.

Since these errors may be the result of incorrect TIRKS data, the report should be reviewed by both the TDIS and C&W personnel. The report headings and content are as follows:

- C/F - C (Cable) or F (Fiber)
- FACILITY LOCATION A - Originating Location
- FACILITY LOCATION Z - Terminating Location
- CABLE NUM/FAC DESIGN - Numeric identification of facility
- LAST PAIR/FAC TYPE - Last pair in cable complement or carrier type
- DR AREA - Physical Location
- DIV ADMIN - As determined by TDIS logic
- OWNER-USER -Any combination of U, A, B, or I.

(Refer to Appendix I for more detailed explanations of the above fields.)

* * * * D R P – T D I S * * * *

COMPANY: BELLCORE TEST 5.0 (PA)
REPORT: TS-OP61
CONTROL DATE: 07/01/91

RUN FOLDER: YDTS4100
PROGRAM: YDTS410 R-5.0
RUN DATE: 09/14/92 09:51:12
PAGE: 1

OWNER AND/OR USER UNDETERMINED REPORT

C/F IND	FACILITY LOCATION A	FACILITY LOCATION Z	CABLE NUM/ FAC DESIGN	LAST PAIR/ FAC TYPE	DR AREA	DIV ADMIN	OWNER- USER
F	BNGRPAXB	ESTNPAEA	LG574	00006	CW	PA	UB
C	BRFDOH44	SHRNPASH	6985	00124	OH	PA	UB
C	BRFDOH44	SHRNPASH	6985	00125	OH	PA	UB
C	BRFDOH44	SHRNPASH	6985	00199	OH	PA	UB
C	BRFDOH44	SHRNPASH	6985	00200	OH	PA	UB
C	BRFRPABR	LMSTNYLM	123	00025	NY	PA	UB
C	BRFRPABR	LMSTNYLM	123	00050	NY	PA	UB
C	BRFRPABR	LMSTNYLM	123	02650	NY	PA	UB
C	BTTWPABU	WTHTWVHT	789	00024	WV	PA	UB
C	BTTWPABU	WTHTWVHT	789	00025	WV	PA	UB
C	BTTWPABU	WTHTWVHT	789	00049	WV	PA	UB
C	BTTWPABU	WTHTWVHT	789	000 0	WV	PA	UB
C	CMDNNJCE	PHLAPAMK	210	00200	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	210	00250	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	210	00300	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	210	00400	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	210	00500	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	210	00584	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	210	00587	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	210	00591	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	213	00200	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	213	00250	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	213	00300	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	213	00400	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	213	00500	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	213	00584	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	213	00587	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	213	00591	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	511	00100	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	511	00900	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	511	01200	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	542	00100	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	543	00100	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	752	00150	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	783	00100	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	783	00200	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	784	00100	NJ	PA	UB
C	CMDNNJCE	PHLAPAMK	784	00200	NJ	PA	UB
F	CMDNNJCE	PHLAPAMK	8121	00072	NJ	PA	UB
C	CMDNNJCM	PHLAPAMK	214	00300	NJ	PA	UB
C	CMDNNJCM	PHLAPAMK	214	00600	NJ	PA	UB
C	CMDNNJCM	PHLAPAMK	214	00750	NJ	PA	UB
C	CMDNNJCM	PHLAPAMK	511	00304	NJ	PA	UB
C	CMDNNJCM	PHLAPAMK	511	00604	NJ	PA	UB
C	CMDNNJCM	PHLAPAMK	511	00800	NJ	PA	UB
C	CMDNNJCM	PHLAPAMK	511	00904	NJ	PA	UB

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Figure 410-4. Owner and User Undetermined Report: TS-OP61

410.4.4 Outside Plant Utilization Summary Report: TS-OP99

These reports reveal the content of the Outside Plant Utilization Summary File (OSPUTIL). These should be directed to the C&W personnel for review and analysis.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: ENTER COMPANY NAME   ( XX )                                                    RUN FOLDER: YDTS410
REPORT: TS-OP99                                                                         PROGRAM: YDTS410     R-5.1
CONTROL DATE: 10/04/93                                                                  RUN DATE:  10/19/93  11:12:22
STATE: KY                                OUTSIDE PLANT UTILIZATION SUMMARY REPORTS      PAGE:         1
                                              BCC OWNED AND USED LOADED CABLE
TOTAL       3,450 WRKG          139 SPARE       3,311 2TOTAL          99 3TOTAL           4
1               0 4               0 CONT            0 ERROR           0 NRP            27 XA             9 XB             0
2ACNAC          0 2ACC            0 2ELE            0 2LCL            0 2PLE           99 2PLI           0 2PLS           0
2WBIC           0 2WBIE           0 2WBIL           0 2WBIR           0 2WBSE           0 2WBSL          0 2WBSR          0
3MISER          0 3MISRA          0 3MISCR          0 3MISSH          0 3MSTER          0 3MSTRA         0 3MSTSH         0
3MJT            0 3MJAB           0 3PISER          0 3PISRA          0 3PISCR          0 3TIER5         0 3TIRA5         0
3TICR5          0 3TIER6          0 3TIRA6          0 3TICR6          0 3TIERV          0 3TIRAV         0 3TICRV         0
3PGIER          0 3PGIRA          0 3PGICR          0 3WATIS          0 3PSTER          0 3PSTRA         0 3TSER5         0
3TSRA5          0 3TSER6          0 3TSRA6          0 3TSERV          0 3TSRAV          0 3PGSER         0 3PGSRA         0
3WATST          0 3GOV            0 3ELI            0 3ELS            0 3               4
TEST1           0 TEST2           0 HICAP           0 USRTOT          0
                                           BCC OWNED AND USED NONLOADED CABLE
TOTAL      11,538 WRKG        2,758 SPARE       8,781 2TOTAL         902 3TOTAL       1,032
1               5 4               0 CONT            0 ERROR          59 NRP            749 XA           10 XB             0
2ACNAC        124 2ACC            0 2ELE            0 2LCL           75 2PLE           564 2PLI          0 2PLS           0
2WBIC           0 2WBIE         118 2WBIL           0 2WBIR           0 2WBSE          21 2WBSL          0 2WBSR          0
3MISER          0 3MISRA          0 3MISCR          0 3MISSH          0 3MSTER          0 3MSTRA         0 3MSTSH         0
3MJT            0 3MJAB           0 3PISER          0 3PISRA          0 3PISCR          0 3TIER5         0 3TIRA5         0
3TICR5          0 3TIER6          0 3TIRA6          0 3TICR6          0 3TIERV          0 3TIRAV         0 3TICRV         0
3PGIER          0 3PGIRA          0 3PGICR          0 3WATIS          0 3PSTER          0 3PSTRA         0 3TSER5         0
3TSRA5          0 3TSER6          0 3TSRA6          0 3TSERV          0 3TSRAV          0 3PGSER         0 3PGSRA         0
3WATST          0 3GOV            0 3ELI            0 3ELS            0 3           1,032
TEST1           0 TEST2           0 HICAP           0 USRTOT          0
                                            BCC OWNED AND USED FIBER CABLE
TOTAL       3,250 WRKG          682 SPARE       2,568 2TOTAL         133 3TOTAL          82
1              56 4               0 CONT            0 ERROR           0 NRP            56 XA           355 XB             0
2ACNAC         56 2ACC            0 2ELE            0 2LCL           33 2PLE           20 2PLI           0 2PLS           0
2WBIC           0 2WBIE          19 2WBIL           0 2WBIR           0 2WBSE           4 2WBSL          0 2WBSR          0
3MISER          0 3MISRA          0 3MISCR          0 3MISSH          0 3MSTER          0 3MSTRA         0 3MSTSH         0
3MJT            0 3MJAB           0 3PISER          0 3PISRA          0 3PISCR          0 3TIER5         0 3TIRA5         0
3TICR5          0 3TIER6          0 3TIRA6          0 3TICR6          0 3TIERV          0 3TIRAV         0 3TICRV         0
3PGIER          0 3PGIRA          0 3PGICR          0 3WATIS          0 3PSTER          0 3PSTRA         0 3TSER5         0
3TSRA5          0 3TSER6          0 3TSRA6          0 3TSERV          0 3TSRAV          0 3PGSER         0 3PGSRA         0
3WATST          0 3GOV            0 3ELI            0 3ELS            0 3              82
TEST1           0 TEST2           1 HICAP           0 USRTOT          1


                                                  PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 410-5. Outside Plant Utilization Summary Report: TS-OP99

410.4.5 Audit Report: TS-EDP

The audit report will summarize the input and output activities of the YDTS410 process. Check the following items:

The first page (not shown) provides an image of the TDIS on-line tables card input; a count of cards read, accepted, and rejected; and any error messages that were generated. The second page (**Figure 410-6.**) provides an image of the DRAREA table input; a count of cards read, accepted, and rejected; and any error messages that were generated.

This process generates standard Type 5 error messages.

The data on this page should be compared to the original transmittal to determine if there were any incorrect cards submitted.

The second page also the processing counts as follows:

- **DRP Facility Summary File (MFACSUM) Records Read: Header, Ownership, Utilization, Normalized, and Total**
  This should correspond to the number of records written by the YDTS300 process.
- **DRP DRCAT Table Last Updated On**
  This should be the date the YDTS130 process was last executed.
- **DRP DRCAT Table Records Read**
  This should equal the number of cable records written by the YDTS130 process.
- **Cable Facility Complements Bypassed: Workers without Owner or Normalized Usage, Non-Working Units, Intra-Building Tie Units**
- **Fiber Units Processed.**

```
                                        * * * * D R P - T D I S * * * *
COMPANY: ENTER COMPANY NAME   ( XX )                                                    RUN FOLDER: YDTS410
REPORT: TS-EDP                                                                          PROGRAM: YDTS410     R-5.1
CONTROL DATE: 10/04/93                                                                  RUN DATE:  10/19/93  11:12:22
                                                                                        PAGE:         2
                                          EDP PROCESSING AND SUMMARY
                                       CREATE OUTSIDE PLANT UTILIZATION DATA
                                           INPUT CARD VALIDATION
                          UCT USRCAT USRCAT USRCAT USRCAT USRCAT USRCAT
                          --- ------ ------ ------ ------ ------ ------
                                    1         2         3         4         5         6         7         8      ERROR
                 CARD COLUMNS       12345678901234567890123456789012345678901234567890123456789012345678901234567890     MESSAGES
                          4100 TEST1  TEST2  HICAP

                          USER SUPPLIED GROUP CODE CARDS:          READ              =          1
                                                                   ACCEPTED          =          1
                                                                   REJECTED          =          0

                     MERGED NORMALIZED FACSUM (MFACSUM) CABLE RECORDS READ:  HEADER      (1)    =          5,124
                                                                             OWNERSHIP   (2)    =          5,118
                                                                             UTILIZATON  (3)    =          5,124
                                                                             NORMALIZED  (4)    =          5,112
                                                                             TOTAL              =         20,478
                     DRP DRAREA TABLE LAST UPDATED ON:                                                   10/18/93
                     DRP DRAREA TABLE GENERATION NUMBER:                                                 G0008V00
                     DRP DRAREA TABLE RECORDS READ                                                =          2
                     DRP DRCAT TABLE LAST UPDATED ON:                                                    10/18/93
                     DRP DRCAT TABLE GENERATION NUMBER:                                                  G0003V00
                     DRP DRCAT TABLE RECORDS READ                                                 =        120
                     DRP GRPCODE TABLE LAST UPDATED ON:                                                  09/01/93
                     DRP GRPCODE TABLE GENERATION NUMBER:                                                G0001V00
                     DRP GRPCODE TABLE RECORDS READ                                               =          8
                     CABLE FACILITY COMPLEMENTS BYPASSED:
                                NON WORKING UNITS                                                 =         52
                                WORKERS WITHOUT OWNER OR NORMALIZED USAGE                         =          5
                                INTRA BUILDING (TIE) WORKERS                                      =      4,056
                     FIBER UNITS PROCESSED                                                        =        128



                                                    PROPRIETARY
                                            BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 410-6. Audit Report: TS-EDP (Example 1)

410.5 Abnormal Termination

The following situations will result in termination of the process:

Condition Code 2019 - Invalid circuit type. Only carrier, message, and special service types of circuits are allowed (first position of CAC equal to ‘‘C’’, ‘‘M’’, or ‘‘S’’, respectively). If the circuit type is invalid, the run is terminated and the CAC and record type will be printed on the traceback report.

Condition Code 2025 - Invalid data base owner parameter.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE

The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

Condition Code 2043 - This indicates that an SDA card was submitted with errors. Possibly there was a duplication of group codes on the input card.

420. YDTS420 - Create Outside Plant Utilization Reports

420.1 General Description

This procedure uses data from the Outside Plant Details File, YDTS400, to generate various reports to be used by the personnel responsible for the C&W Study. Therefore, only those items that pertain to the TDIS system administrator are included in this section.

YDTS420 creates ten outside plant utilization reports. The reports are:

Cable Utilization Reports

- TS-OP00: Cable (Non-Loaded) Category Mileage Report
- TS-OP01: Cable (Non-Loaded) Memo Category Mileage Report
- TS-OP02: Cable (Loaded) Category Mileage Report
- TS-OP03: Cable (Loaded) Memo Category Mileage Report
- TS-OP04: Cable (Combined) Category Mileage Report
- TS-OP05: Cable (Combined) Memo Category Mileage Report.

Fiber Utilization Reports

- TS-OP10: Fiber Category Mileage Report
- TS-OP11: Fiber Memo Category Mileage Report.

Carrier Utilization Reports

- TS-OP20: Carrier Category Mileage Report
- TS-OP21: Carrier Memo Category Mileage Report.

The outside plant utilization reports are produced for 22-equivalent gauge miles. There are six cable utilization reports (Non-Loaded, Non-Loaded Memo, Loaded, Loaded Memo, Combined, and Combined Memo). There are two fiber utilization reports (for non-memo, and for memo categories). There are two carriers utilization reports (for non-memo, and for memo categories). All of the non-memo reports include all the outside plant separations categories, except the memo categories. But the non-memo reports contain the combined miles of ALL memo categories designated ‘‘MEMO’’ on the report.

The utilization reports are generated for up to ten DR Areas as specified on the DRAREA table. The order of report pages will agree with the sequence of DR Areas as specified on the DRAREA table. The DR Area input and sequence is revealed on the TS-EDP report.

The non-memo utilization reports contain 22-equivalent gauge mileage totals for non-memo categories, Cont (contract: Y in position 1 of DR Ckt Type), Error (category not found or invalid outside plant category), and Memo (total of all memo categories). The

above is followed by Total (working + spare), Wrkg (total working 22-equivalent gauge miles) and Spare (total spare 22-equivalent gauge miles).

The memo reports simply provides the breakdown of the memo categories pertaining to the Memo field of the corresponding non-memo report page.

The heading on each report page contains the DR Area, Owner-user and Divested Administrator fields.

The DR Area corresponds to DRAREA table input entries as previously described.

The Owner-user of compliments is determined by program YDTS400, from the Divested Administrator and DR Area.

The Owner-user assignment is one of ten values for generation on the utilization reports.

The Owner-user types determined by the program are:

- BOC Owned and Used
- BOC Owned and Leased to AT&T
- BOC Owned and Leased to IND
- AT&T Owned and Leased to BOC
- AT&T Owned and Used
- AT&T Owned and Leased to IND
- IND Owned and Leased to BOC
- IND Owned and Leased to AT&T
- IND Owned and Used
- Undetermined.

Note: IND = Independent

There is no definite order in which ownership data will be printed. The Owner-user types will be printed in the order in which they are first encountered in the file.

There are three report heading totals on the left side of each utilization report: DR Area Total, Owner-user Total, and Divested Administrator Total. Each of these totals pertains to the cumulative miles for the reports.

The Divested Administrator Total appears on every utilization report page. It is the Divested Administrator Total of the 22-equivalent gauge mileage counts for the specific Divested Administrator, specific to the Owner-user and DR Area heading at the top of the page.

The Owner-user Total appears on the last page of each utilization report section for the specific Owner-user and DR Area at the top of the page. It includes the 22-equivalent

gauge mileage for all Divested Administrators for the specific Owner-user and DR Area heading on top of the page.

The DR Area Total appears on the last page of every DR Area section of each utilization report. It includes all the 22-equivalent gauge mileage counts for all Owner-users and Divested Administrators in the DR Area heading at the top of the page.

YDTS420 also creates two complement profile reports:

- TS-OP30: Cable Complement Profile Report
- TS-OP31: Fiber Complement Profile Report.

These two reports have identical fields.

Report sections are printed for specific DR Areas, determined from the DRAREA table entries. DR Areas found on the control card panel for procedure 420 are listed on the TS-EDP report. YDTS420 sorts the DR entries for the complement profile reports.

The Complement Owner-User Determination data is derived from the DR Area and Divested Administrator of the complement. The possible values are the same as those previously listed with the outside plant utilization reports.

For each profile report, the last page of every DR Area section contains a row that is labeled DR Area Totals. DR Area Totals are accumulated for Total Units, Total Working, and for Total Spare.

420.2 Program Flow Diagram

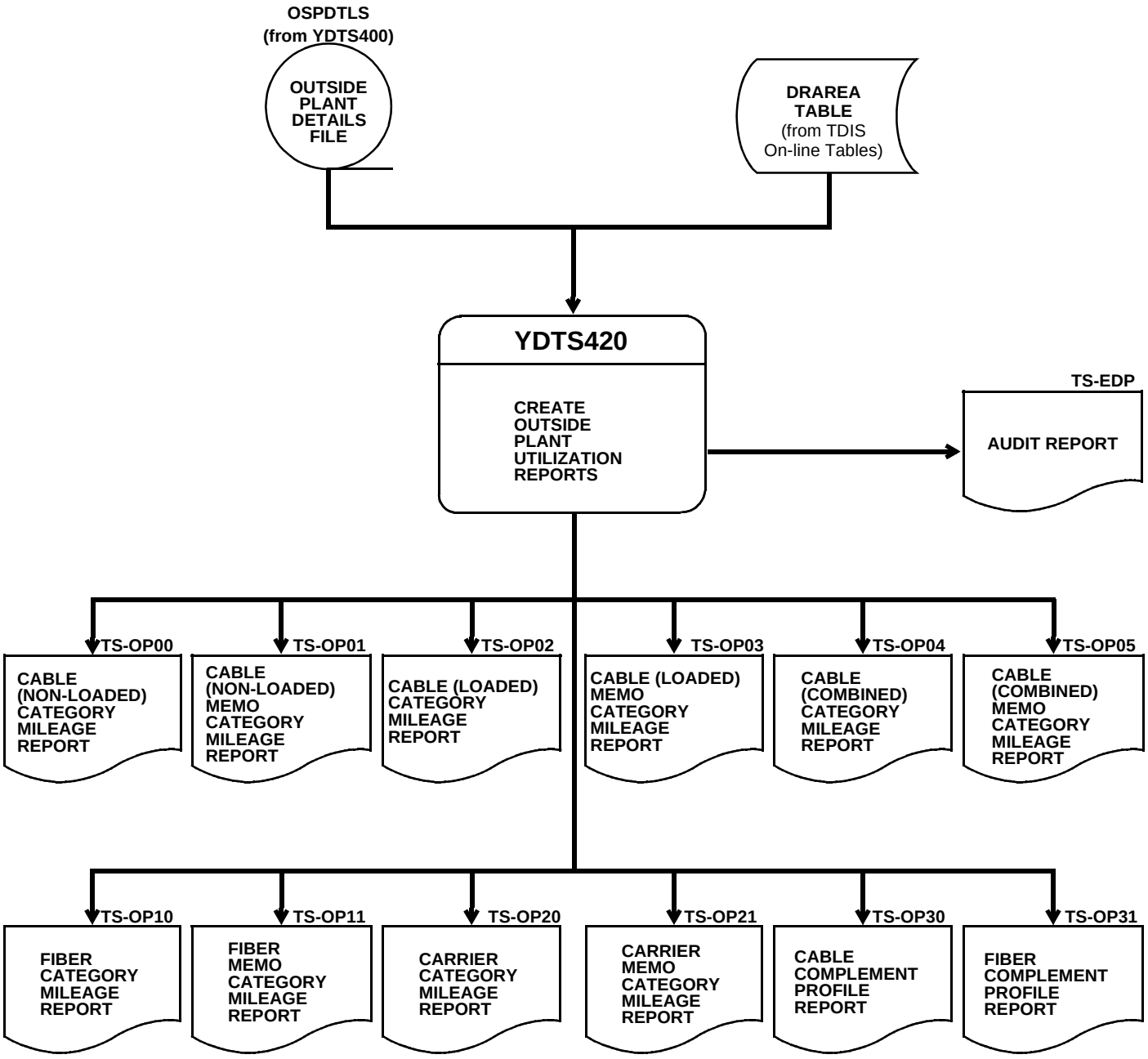

Figure 420-1. YDTS420 Program Flow Diagram

420.3 Inputs

420.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date this process is to be executed.
2. RUN SEQUENCE REQUIREMENTS - If more than one run has been requested, it is necessary to specify the order in which the runs should be performed. Appendix B contains job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of person(s) to whom the processed reports are to be delivered.

> **NOTE —** Maintenance of the control card for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL).

420.4 Outputs

All output reports, except the TS-EDP report - titled *DR Areas (DA) Card Validation Report*, should be immediately forwarded to the the C&W personnel.

420.4.1 Cable (Non-loaded) Category Mileage Report: TS-OP00

```
                                               * * * * D R P - T D I S * * * *
COMPANY: BELLCORE TEST 5.0   ( PA )                                                                    RUN FOLDER: YDTS4200
REPORT: TS-OP00                                                                                        PROGRAM: YDTS420     R-5.0
CONTROL DATE: 07/01/91                                                                                 RUN DATE:  09/15/92  08:53:01
                                           CABLE (NON-LOADED) CATEGORY MILEAGE REPORT                  PAGE:         1
                            DR AREA: DE        OWNER-USER: UNDETERMINED                      DIV ADMIN: PA
           DIV ADMIN TOTAL  2LCL  =          0.0   2ACNAC=            0.0   2ACC  =           3.3   2PLI  =          15.1
                            2PLS  =          7.1   2PLE  =           46.6   1     =           0.0   NRP   =         182.6
                            3     =        225.4   MEMO  =        6,371.5   XA    =      27,110.9   XB    =           0.0
                            ERROR =          0.0   CONT  =            0.0
                            TOTAL =     57,958.2   WRKG  =       33,962.8   SPARE =      23,995.3
           OWNER-USER TOTAL 2LCL  =          0.0   2ACNAC=            0.0   2ACC  =           3.3   2PLI  =          15.1
                            2PLS  =          7.1   2PLE  =           46.6   1     =           0.0   NRP   =         182.6
                            3     =        225.4   MEMO  =        6,371.5   XA    =      27,110.9   XB    =           0.0
                            ERROR =          0.0   CONT  =            0.0
                            TOTAL =     57,958.2   WRKG  =       33,962.8   SPARE =      23,995.3
           DR AREA TOTAL    2LCL  =          0.0   2ACNAC=            0.0   2ACC  =           3.3   2PLI  =          15.1
                            2PLS  =          7.1   2PLE  =           46.6   1     =           0.0   NRP   =         182.6
                            3     =        225.4   MEMO  =        6,371.5   XA    =      27,110.9   XB    =           0.0
                            ERROR =          0.0   CONT  =            0.0
                            TOTAL =     57,958.2   WRKG  =       33,962.8   SPARE =      23,995.3

                                                              PROPRIETARY
                                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 420-2. Cable (Non-loaded) Category Mileage Report: TS-OP00

420.4.2 Cable (Non-loaded) Memo Category Mileage Report: TS-OP01

```
                                          * * * * D R P - T D I S * * * *
COMPANY: BELLCORE TEST 5.0    ( PA )                                                              RUN FOLDER: YDTS4200
REPORT: TS-OP01                                                                                   PROGRAM: YDTS420     R-5.0
CONTROL DATE: 07/01/91                                                                            RUN DATE:  09/15/92  08:53:01
                                         CABLE (NON-LOADED) MEMO CATEGORY MILEAGE REPORT          PAGE:        1
                            DR AREA: DE       OWNER-USER: UNDETERMINED                       DIV ADMIN: PA
           DIV ADMIN TOTAL  2WBIC =           0.0   2WBIE =        4,188.8   2WBIL =           0.0   2WBIR =            0.0
                            2WBSE =           0.0   2WBSL =           95.5   2WBSR =         672.3
                            2ELE  =           0.0   3ELI  =            0.0   3ELS  =           0.0
                            4     =       1,414.8   C     =            0.0
           OWNER-USER TOTAL 2WBIC =           0.0   2WBIE =        4,188.8   2WBIL =           0.0   2WBIR =            0.0
                            2WBSE =           0.0   2WBSL =           95.5   2WBSR =         672.3
                            2ELE  =           0.0   3ELI  =            0.0   3ELS  =           0.0
                            4     =       1,414.8   C     =            0.0
           DR AREA TOTAL    2WBIC =           0.0   2WBIE =        4,188.8   2WBIL =           0.0   2WBIR =            0.0
                            2WBSE =           0.0   2WBSL =           95.5   2WBSR =         672.3
                            2ELE  =           0.0   3ELI  =            0.0   3ELS  =           0.0
                            4     =       1,414.8   C     =            0.0

                                                      PROPRIETARY
                                             BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 420-3. Cable (Non-loaded) Memo Category Mileage Report: TS-OP01

420.4.3 Cable (Loaded) Category Mileage Report: TS-OP02

```
                                   * * * * D R P - T D I S * * * *
COMPANY: BELLCORE TEST 5.0    ( PA )                                                              RUN FOLDER: YDTS4200
REPORT: TS-OP02                                                                                   PROGRAM: YDTS420      R-5.0
CONTROL DATE: 07/01/91                                                                            RUN DATE:  09/15/92  08:53:01
                                          CABLE (LOADED) CATEGORY MILEAGE REPORT                  PAGE:          1
                           DR AREA: DE         OWNER-USER: UNDETERMINED                  DIV ADMIN: PA
          DIV ADMIN TOTAL  2LCL  =      3,818.5   2ACNAC=          0.0   2ACC  =        13.5   2PLI  =          71.9
                           2PLS  =        152.6   2PLE  =        455.5   1     =       463.8   NRP   =       3,110.4
                           3     =      2,858.6   MEMO  =          0.0   XA    =         0.0   XB    =           0.0
                           ERROR =          0.0   CONT  =          0.0
                           TOTAL =     55,368.1   WRKG  =     10,945.0   SPARE =    44,423.0
          OWNER-USER TOTAL 2LCL  =      3,818.5   2ACNAC=          0.0   2ACC  =        13.5   2PLI  =          71.9
                           2PLS  =        152.6   2PLE  =        455.5   1     =       463.8   NRP   =       3,110.4
                           3     =      2,858.6   MEMO  =          0.0   XA    =         0.0   XB    =           0.0
                           ERROR =          0.0   CONT  =          0.0
                           TOTAL =     55,368.1   WRKG  =     10,945.0   SPARE =    44,423.0
          DR AREA TOTAL    2LCL  =      3,818.5   2ACNAC=          0.0   2ACC  =        13.5   2PLI  =          71.9
                           2PLS  =        152.6   2PLE  =        455.5   1     =       463.8   NRP   =       3,110.4
                           3     =      2,858.6   MEMO  =          0.0   XA    =         0.0   XB    =           0.0
                           ERROR =          0.0   CONT  =          0.0
                           TOTAL =     55,368.1   WRKG  =     10,945.0   SPARE =    44,423.0

                                                      PROPRIETARY
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```

Figure 420-4. Cable (Loaded) Category Mileage Report: TS-OP02

420.4.4 Cable (Loaded) Memo Category Mileage Report: TS-OP03

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BELL COMMUNICATIONS RESEARCH   ( SW )                                  RUN FOLDER: YDTS4200
REPORT: TS-OP03                                                                 PROGRAM: YDTS420      R-5.0
CONTROL DATE: 08/02/92                                                          RUN DATE:  10/07/92  09:19:27
                                                                                PAGE:          1
                                CABLE (LOADED) MEMO CATEGORY MILEAGE REPORT
                    DR AREA: OKOK     OWNER-USER: BOC OWNED AND USED                DIV ADMIN: SW
      DIV ADMIN TOTAL  2WBIC =          0.0   2WBIE =          0.0   2WBIL =          0.0   2WBIR =          0.0
                       2WBSE =          0.0   2WBSL =          0.0   2WBSR =          0.0
                       2ELE  =         65.9   3ELI  =          0.0   3ELS  =          0.0
                       4     =          0.0   C     =          0.0
      OWNER-USER TOTAL 2WBIC =          0.0   2WBIE =          0.0   2WBIL =          0.0   2WBIR =          0.0
                       2WBSE =          0.0   2WBSL =          0.0   2WBSR =          0.0
                       2ELE  =         65.9   3ELI  =          0.0   3ELS  =          0.0
                       4     =          0.0   C     =          0.0
      DR AREA TOTAL    2WBIC =          0.0   2WBIE =          0.0   2WBIL =          0.0   2WBIR =          0.0
                       2WBSE =          0.0   2WBSL =          0.0   2WBSR =          0.0
                       2ELE  =         65.9   3ELI  =          0.0   3ELS  =          0.0
                       4     =          0.0   C     =          0.0


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```

Figure 420-5. Cable (Loaded) Memo Category Mileage Report: TS-OP03

420.4.5 Cable (Combined) Category Mileage Report: TS-OP04

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BELLCORE TEST 5.0   ( PA )                                                      RUN FOLDER: YDTS4200
REPORT: TS-OP04                                                                          PROGRAM: YDTS420     R-5.0
CONTROL DATE: 07/01/91                                                                   RUN DATE:  09/15/92  08:53:01
                                       CABLE (COMBINED) CATEGORY MILEAGE REPORT          PAGE:          1
                            DR AREA: DE          OWNER-USER: UNDETERMINED             DIV ADMIN: PA
           DIV ADMIN TOTAL  2LCL  =      3,818.5   2ACNAC=           0.0   2ACC  =          16.8   2PLI  =          87.0
                            2PLS  =        159.7   2PLE  =         502.2   1     =         463.8   NRP   =       3,293.1
                            3     =      3,084.0   MEMO  =       6,371.5   XA    =      27,110.9   XB    =           0.0
                            ERROR =          0.0   CONT  =           0.0
                            TOTAL =    113,326.3   WRKG  =      44,907.9   SPARE =      68,418.4
           OWNER-USER TOTAL 2LCL  =      3,818.5   2ACNAC=           0.0   2ACC  =          16.8   2PLI  =          87.0
                            2PLS  =        159.7   2PLE  =         502.2   1     =         463.8   NRP   =       3,293.1
                            3     =      3,084.0   MEMO  =       6,371.5   XA    =      27,110.9   XB    =           0.0
                            ERROR =          0.0   CONT  =           0.0
                            TOTAL =    113,326.3   WRKG  =      44,907.9   SPARE =      68,418.4
           DR AREA TOTAL    2LCL  =      3,818.5   2ACNAC=           0.0   2ACC  =          16.8   2PLI  =          87.0
                            2PLS  =        159.7   2PLE  =         502.2   1     =         463.8   NRP   =       3,293.1
                            3     =      3,084.0   MEMO  =       6,371.5   XA    =      27,110.9   XB    =           0.0
                            ERROR =          0.0   CONT  =           0.0
                            TOTAL =    113,326.3   WRKG  =      44,907.9   SPARE =      68,418.4

                                                     PROPRIETARY
                                         BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 420-6. Cable (Combined) Category Mileage Report: TS-OP04

420.4.6 Cable (Combined) Memo Category Mileage Report: TS-OP05

```
                                          * * * * D R P – T D I S * * * *
COMPANY: BELLCORE TEST 5.0   ( PA )                                                          RUN FOLDER: YDTS4200
REPORT: TS–OP05                                                                              PROGRAM: YDTS420     R–5.0
CONTROL DATE: 07/01/91                                                                       RUN DATE:  09/15/92  08:53:01
                                         CABLE (COMBINED) MEMO CATEGORY MILEAGE REPORT       PAGE:          1
                            DR AREA: DE        OWNER–USER: UNDETERMINED               DIV ADMIN: PA
           DIV ADMIN TOTAL  2WBIC =           0.0   2WBIE =       4,188.8   2WBIL =           0.0   2WBIR =           0.0
                            2WBSE =           0.0   2WBSL =          95.5   2WBSR =         672.3
                            2ELE  =           0.0   3ELI  =           0.0   3ELS  =           0.0
                            4     =       1,414.8   C     =           0.0
           OWNER–USER TOTAL 2WBIC =           0.0   2WBIE =       4,188.8   2WBIL =           0.0   2WBIR =           0.0
                            2WBSE =           0.0   2WBSL =          95.5   2WBSR =         672.3
                            2ELE  =           0.0   3ELI  =           0.0   3ELS  =           0.0
                            4     =       1,414.8   C     =           0.0
           DR AREA TOTAL    2WBIC =           0.0   2WBIE =       4,188.8   2WBIL =           0.0   2WBIR =           0.0
                            2WBSE =           0.0   2WBSL =          95.5   2WBSR =         672.3
                            2ELE  =           0.0   3ELI  =           0.0   3ELS  =           0.0
                            4     =       1,414.8   C     =           0.0

                                                     PROPRIETARY
                                         BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 420-7. Cable (Combined) Memo Category Mileage Report: TS-OP05

420.4.7 Fiber Category Mileage Report: TS-OP10

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BELLCORE TEST 5.0   ( PA )                                                         RUN FOLDER: YDTS4200
REPORT: TS-OP10                                                                             PROGRAM: YDTS420      R-5.0
CONTROL DATE: 07/01/91                                                                      RUN DATE:  09/15/92  08:53:01
                                     FIBER CATEGORY MILEAGE REPORT                          PAGE:           1
                           DR AREA: DE        OWNER-USER: UNDETERMINED              DIV ADMIN: PA
          DIV ADMIN TOTAL  2LCL  =          0.0   2ACNAC=          0.0   2ACC  =           0.0   2PLI  =          0.0
                           2PLS  =          0.0   2PLE  =          0.0   1     =           0.0   NRP   =          0.0
                           3     =          0.0   MEMO  =          0.0   XA    =       2,432.6   XB    =          0.0
                           ERROR =          0.0   CONT  =          0.0
                           TOTAL =      5,075.4   WRKG  =      2,432.6   SPARE =       2,642.8
          OWNER-USER TOTAL 2LCL  =          0.0   2ACNAC=          0.0   2ACC  =           0.0   2PLI  =          0.0
                           2PLS  =          0.0   2PLE  =          0.0   1     =           0.0   NRP   =          0.0
                           3     =          0.0   MEMO  =          0.0   XA    =       2,432.6   XB    =          0.0
                           ERROR =          0.0   CONT  =          0.0
                           TOTAL =      5,075.4   WRKG  =      2,432.6   SPARE =       2,642.8
          DR AREA TOTAL    2LCL  =          0.0   2ACNAC=          0.0   2ACC  =           0.0   2PLI  =          0.0
                           2PLS  =          0.0   2PLE  =          0.0   1     =           0.0   NRP   =          0.0
                           3     =          0.0   MEMO  =          0.0   XA    =       2,432.6   XB    =          0.0
                           ERROR =          0.0   CONT  =          0.0
                           TOTAL =      5,075.4   WRKG  =      2,432.6   SPARE =       2,642.8

                                                PROPRIETARY
                                    BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 420-8. Fiber Category Mileage Report: TS-OP10

420.4.8 Fiber Memo Category Mileage Report: TS-OP11

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BELL COMMUNICATIONS RESEARCH    ( SW )                                  RUN FOLDER: YDTS4200
REPORT: TS-OP11                                                                  PROGRAM: YDTS420     R-5.0
CONTROL DATE: 08/02/92                                                           RUN DATE:  10/07/92  09:19:27
                                  FIBER MEMO CATEGORY MILEAGE REPORT             PAGE:          1
                        DR AREA: MOSL     OWNER-USER: BOC OWNED AND USED                DIV ADMIN: SW
   DIV ADMIN TOTAL      2WBIC =     0.0   2WBIE =     329.4   2WBIL =     0.0   2WBIR =     0.0
                        2WBSE =   969.6   2WBSL =       0.0   2WBSR =     0.0
                        2ELE  =     0.0   3ELI  =       0.0   3ELS  =     0.0
                        4     =     0.0   C     =       0.0
   OWNER-USER TOTAL     2WBIC =     0.0   2WBIE =     329.4   2WBIL =     0.0   2WBIR =     0.0
                        2WBSE =   969.6   2WBSL =       0.0   2WBSR =     0.0
                        2ELE  =     0.0   3ELI  =       0.0   3ELS  =     0.0
                        4     =     0.0   C     =       0.0
   DR AREA TOTAL        2WBIC =     0.0   2WBIE =     329.4   2WBIL =     0.0   2WBIR =     0.0
                        2WBSE =   969.6   2WBSL =       0.0   2WBSR =     0.0
                        2ELE  =     0.0   3ELI  =       0.0   3ELS  =     0.0
                        4     =     0.0   C     =       0.0


                                          PROPRIETARY
                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 420-9. Fiber Memo Category Mileage Report: TS-OP11

420.4.9 Carrier Category Mileage Report: TS-OP20

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BELLCORE TEST 5.0   ( PA )                                  RUN FOLDER: YDTS4200
REPORT: TS-OP20                                                      PROGRAM: YDTS420     R-5.0
CONTROL DATE: 07/01/91                                               RUN DATE:  09/15/92  08:53:01
                                  CARRIER CATEGORY MILEAGE REPORT    PAGE:          1
                      DR AREA: DE        OWNER-USER: UNDETERMINED          DIV ADMIN: B-
          DIV ADMIN TOTAL  2LCL  =     114,851.1   2ACNAC=     272,845.2   2ACC  =       5,311.2   2PLI  =       2,187.2
                           2PLS  =       1,383.3   2PLE  =       6,071.5   1     =       4,134.7   NRP   =      60,929.0
                           3     =     532,579.8   MEMO  =      10,401.2   XA    =      72,600.5   XB    =       1,791.6
                           ERROR =           0.0   CONT  =           0.0
                           TOTAL =   1,417,338.4   WRKG  =   1,085,086.3   SPARE =     332,252.1


                                          PROPRIETARY
                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 420-10. Carrier Category Mileage Report: TS-OP20

420.4.10 Carrier Memo Category Mileage Report: TS-OP21

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BELLCORE TEST 5.0   ( PA )                                                  RUN FOLDER: YDTS4200
REPORT: TS-OP21                                                                      PROGRAM: YDTS420     R-5.0
CONTROL DATE: 07/01/91                                                               RUN DATE:  09/15/92  08:53:01
                                     CARRIER MEMO CATEGORY MILEAGE REPORT            PAGE:         1
                      DR AREA: DE      OWNER-USER: UNDETERMINED          DIV ADMIN: B-
          DIV ADMIN TOTAL 2WBIC =          0.0   2WBIE =       7,211.9   2WBIL =          0.0   2WBIR =          0.0
                          2WBSE =          0.0   2WBSL =         559.5   2WBSR =      2,564.2
                          2ELE  =          0.0   3ELI  =           0.0   3ELS  =          0.0
                          4     =         65.6   C     =           0.0
          OWNER-USER TOTAL 2WBIC =          0.0   2WBIE =       7,211.9   2WBIL =          0.0   2WBIR =          0.0
                          2WBSE =          0.0   2WBSL =         559.5   2WBSR =      2,564.2
                          2ELE  =          0.0   3ELI  =           0.0   3ELS  =          0.0
                          4     =         65.6   C     =           0.0
          DR AREA TOTAL   2WBIC =          0.0   2WBIE =       7,211.9   2WBIL =          0.0   2WBIR =          0.0
                          2WBSE =          0.0   2WBSL =         559.5   2WBSR =      2,564.2
                          2ELE  =          0.0   3ELI  =           0.0   3ELS  =          0.0
                          4     =         65.6   C     =           0.0


                                          PROPRIETARY
                                BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 420-11. Carrier Memo Category Mileage Report: TS-OP21

420.4.11 Cable Complement Profile Report: TS-OP30

* * * * D R P – T D I S * * * *

COMPANY: BELLCORE TEST 5.0 (PA)
REPORT: TS-OP30
CONTROL DATE: 07/01/91

RUN FOLDER: YDTS4200
PROGRAM: YDTS420 R-5.0
RUN DATE: 09/15/92 08:53:01
PAGE: 1

CABLE COMPLEMENT PROFILE REPORT

DR AREA: DE

FACILITY LOCATION A	FACILITY LOCATION Z	CABLE NUMBER	TO PAIR	FACILITY GROUP	COMPLEMENT OWNER AND USER DETERMINATION	TOTAL UNITS	TOTAL WORKING	TOTAL SPARE	DIV ADMIN
ANGLDEAN	LEWSDELW	494	01206	22H88	UNDETERMINED	6	3	3	PA
ANGLDEAN	LEWSDELW	494	01623	19-NLT1	UNDETERMINED	23	18	5	PA
ANGLDEAN	LEWSDELW	494	01624	22-NLHT	UNDETERMINED	1	1	0	PA
ANGLDEAN	LEWSDELW	494	01650	19-NLT1	UNDETERMINED	26	10	16	PA
ANGLDEAN	LEWSDELW	494	02123	19-NLT1	UNDETERMINED	23	18	5	PA
ANGLDEAN	LEWSDELW	494	02124	22-NLHT	UNDETERMINED	1	1	0	PA
ANGLDEAN	LEWSDELW	494	02150	19-NLT1	UNDETERMINED	26	10	16	PA
ANGLDEAN	MLBODEMB	493	00301	22H88	UNDETERMINED	1	0	1	PA
ANGLDEAN	MLBODEMB	493	00302	22H88	UNDETERMINED	1	1	0	PA
ANGLDEAN	MLBODEMB	493	00303	22H88	UNDETERMINED	1	1	0	PA
ANGLDEAN	MLBODEMB	493	00304	22H88	UNDETERMINED	1	1	0	PA
ANGLDEAN	MLBODEMB	493	00305	22H88	UNDETERMINED	1	1	0	PA
ANGLDEAN	MLBODEMB	493	00350	22H88	UNDETERMINED	45	3	42	PA
ANGLDEAN	MLBODEMB	493	00750	22-NLT1	UNDETERMINED	50	43	7	PA
ANGLDEAN	MLBODEMB	493	00775	22-NLT1	UNDETERMINED	25	21	4	PA
ANGLDEAN	MLBODEMB	493	01250	22-NLT1	UNDETERMINED	50	43	7	PA
ANGLDEAN	MLBODEMB	493	01275	22-NLT1	UNDETERMINED	25	21	4	PA
ANGLDEAN	RHBHDERB	499	00410	22H88	UNDETERMINED	4	3	1	PA
ANGLDEAN	RHBHDERB	499	00722	22-NLT1	UNDETERMINED	22	10	12	PA
ANGLDEAN	RHBHDERB	499	00724	22H88TC	UNDETERMINED	2	0	2	PA
ANGLDEAN	RHBHDERB	499	00725	22-NLT1	UNDETERMINED	1	1	0	PA
ANGLDEAN	RHBHDERB	499	00750	22-NLT1	UNDETERMINED	25	18	7	PA
ANGLDEAN	RHBHDERB	499	01222	22-NLT1	UNDETERMINED	22	10	12	PA
ANGLDEAN	RHBHDERB	499	01224	22H88TC	UNDETERMINED	2	0	2	PA
ANGLDEAN	RHBHDERB	499	01225	22-NLT1	UNDETERMINED	1	1	0	PA
ANGLDEAN	RHBHDERB	499	01250	22-NLT1	UNDETERMINED	25	18	7	PA
BGVLDEBG	GNWDDEGN	321	00120	22H88	UNDETERMINED	20	0	20	PA
BGVLDEBG	GNWDDEGN	321	00140	22H88	UNDETERMINED	20	3	17	PA
BGVLDEBG	GNWDDEGN	321	00150	22H88	UNDETERMINED	10	5	5	PA
BGVLDEBG	GNWDDEGN	321	00168	22-NLT1	UNDETERMINED	18	10	8	PA
BGVLDEBG	GNWDDEGN	321	00171	22-NLT1	UNDETERMINED	3	1	2	PA
BGVLDEBG	GNWDDEGN	321	00175	22H88TC	UNDETERMINED	4	0	4	PA
BGVLDEBG	GNWDDEGN	321	00193	22-NLT1	UNDETERMINED	18	10	8	PA
BGVLDEBG	GNWDDEGN	321	00196	22-NLT1	UNDETERMINED	3	1	2	PA
BGVLDEBG	GNWDDEGN	321	00200	22H88TC	UNDETERMINED	4	0	4	PA
BGVLDEBG	GNWDDEGN	321	00316	22-NLT1	UNDETERMINED	16	3	13	PA
BGVLDEBG	GNWDDEGN	321	00324	22-NLT1	UNDETERMINED	8	0	8	PA
BGVLDEBG	GNWDDEGN	321	00325	22-NLT1	UNDETERMINED	1	1	0	PA
BGVLDEBG	GNWDDEGN	321	00350	22H88	UNDETERMINED	25	2	23	PA
BGVLDEBG	GNWDDEGN	321	00416	22-NLT1	UNDETERMINED	16	3	13	PA
BGVLDEBG	GNWDDEGN	321	00424	22-NLT1	UNDETERMINED	8	0	8	PA
BGVLDEBG	GNWDDEGN	321	00425	22-NLT1	UNDETERMINED	1	1	0	PA
BGVLDEBG	GNWDDEGN	321	00450	19H88	UNDETERMINED	25	6	19	PA
BGVLDEBG	SEFRDESF	120	00217	22-NLT1	UNDETERMINED	17	13	4	PA
BGVLDEBG	SEFRDESF	120	00225	22-NLT1	UNDETERMINED	8	2	6	PA

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Figure 420-12. Cable Complement Profile Report: TS-OP30

420.4.12 Fiber Complement Profile Report: TS-OP31

* * * * D R P – T D I S * * * *

COMPANY: BELLCORE TEST 5.0 (PA)
REPORT: TS–OP31
CONTROL DATE: 07/01/91

RUN FOLDER: YDTS4200
PROGRAM: YDTS420 R–5.0
RUN DATE: 09/15/92 08:53:01
PAGE: 1

FIBER COMPLEMENT PROFILE REPORT

DR AREA: DE

FACILITY LOCATION A	FACILITY LOCATION Z	CABLE NUMBER	TO PAIR	FACILITY GROUP	COMPLEMENT OWNER AND USER DETERMINATION	TOTAL UNITS	TOTAL WORKING	TOTAL SPARE	DIV ADMIN
BGVLDEBG	GNWDDEGN	LG412	00012	LGSS	UNDETERMINED	12	6	6	PA
BGVLDEBG	SEFRDESF	LG413	00012	LGSS	UNDETERMINED	12	6	6	PA
CHESPACB	HLOKDEHL	TO622	00016	LGSS	UNDETERMINED	16	8	8	PA
CHTTPACT	WLMGDEWL	LG565	00024	LG	UNDETERMINED	24	14	10	PA
CMDNDECD	DOVRDEDV	LG408	00012	LGSS	UNDETERMINED	12	12	0	PA
CMDNDECD	FETNDEFE	LG409	00012	LGSS	UNDETERMINED	12	6	6	PA
CMDNDECD	HRTLDEHL	LG424	00012	LGSS	UNDETERMINED	12	10	2	PA
DOVRDEDC	DOVRDEDV	LG05	00064	LGSS	UNDETERMINED	4	0	4	PA
DOVRDEDV	DOVRDE01	415	00012	LG	UNDETERMINED	12	0	12	PA
DOVRDEDV	FRDRDEFR	LG425	00012	LGSS	UNDETERMINED	12	10	2	PA
DOVRDEDV	SMYRDESM	LG407	00018	LGSS	UNDETERMINED	18	6	12	PA
EKTNMDEK	NWRKDENB	F621	00012	LGSS	UNDETERMINED	12	4	8	PA
ELSMDECL	WLMGDEWL	LG03	00004	LG	UNDETERMINED	4	0	4	PA
ELSMDECL	WLMGDEWL	LG03	00006	LG	UNDETERMINED	2	0	2	PA
ELSMDECL	WLMGDEWL	LG435	00006	LGSS	UNDETERMINED	6	6	0	PA
FETNDEFE	HRTNDEHA	LG410	00012	LGSS	UNDETERMINED	12	6	6	PA
FRDRDEFR	MLFRDEMF	LG426	00012	LGSS	UNDETERMINED	12	6	6	PA
FRNHDEFH	WLMGDEVF	FH204	00008	LGSS	UNDETERMINED	8	0	8	PA
GNWDDEGN	HRTNDEHA	LG411	00012	LGSS	UNDETERMINED	12	6	6	PA
GRTWDEGR	MLTNDEML	LG428	00012	LGSS	UNDETERMINED	12	6	6	PA
GRTWDEGR	SEFRDESF	LG414	00012	LGSS	UNDETERMINED	12	6	6	PA
HCKSDEHC	MSTNDEMA	LG421	00008	LGSS	UNDETERMINED	8	8	0	PA
HLOKDEHL	WLMGDEPR	TO423	00016	LGSS	UNDETERMINED	16	8	8	PA
HRTLDEHL	MDTWDEMT	LG423	00012	LGSS	UNDETERMINED	12	6	6	PA
KMVLPAKV	NWRKDENB	TO653	00012	LGSS	UNDETERMINED	12	6	6	PA
LEWSDELW	MLTNDEML	LG433	00012	LGSS	UNDETERMINED	12	4	8	PA
MDTWDEMT	NWRKDENB	LG422	00012	LGSS	UNDETERMINED	12	10	2	PA
MLCRDEDC	MLCRDEDP	LG604	00024	LG	UNDETERMINED	24	6	18	PA
MLCRDEDC	NWRKDENB	LG436	00004	LGSS	UNDETERMINED	4	4	0	PA
MLCRDEDC	NWRKDENB	LG603	00024	LG	UNDETERMINED	24	14	10	PA
MLCRDEDP	MSTNDECR	LG610	00016	LG	UNDETERMINED	16	2	14	PA
MLCRDEDP	MSTNDEMA	LG605	00008	LG	UNDETERMINED	8	4	4	PA
MLFRDEMF	MLTNDEML	LG427	00012	LGSS	UNDETERMINED	12	6	6	PA
MSTNDEBM	MSTNDECR	LG607	00048	LG	UNDETERMINED	48	8	40	PA
MSTNDEBM	MSTNDEMA	LG06	00024	LGSS	UNDETERMINED	4	4	0	PA
MSTNDEBM	MSTNDEMA	LG06	00024	LGSS	UNDETERMINED	4	4	0	PA
MSTNDEBM	WLMGDEDP	LG608	00048	LG	UNDETERMINED	48	8	40	PA
MSTNDECR	MSTNDEMA	LG606	00032	LG	UNDETERMINED	32	6	26	PA
MSTNDEMA	NWRKDENB	LG402	00024	LGSS	UNDETERMINED	24	14	10	PA
MSTNDEMA	NWRKDENB	LG602	00024	LG	UNDETERMINED	24	14	10	PA
MSTNDEMA	WLMGDEHL	LG02	00004	LG	UNDETERMINED	4	4	0	PA
MSTNDEMA	WLMGDENB	LG601	00048	LG	UNDETERMINED	48	16	32	PA
MSTNDEMA	WLMGDEWL	LG401	00024	LGSS	UNDETERMINED	24	18	6	PA
NWCSDENC	WLMGDEWL	LG420	00012	LGSS	UNDETERMINED	12	4	8	PA
ODSSDEOH	SMYRDESM	LG406	00018	LGSS	UNDETERMINED	18	6	12	PA
ODSSDEOH	WRHLDEWH	LG405	00018	LGSS	UNDETERMINED	18	6	12	PA

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Figure 420-13. Fiber Complement Profile Report: TS-OP31

420.4.13 Audit Report: TS-EDP

The audit report will summarize the input and output activities of the YDTS420 process. Check the following items:

The first page (not shown) provides input filenames (OSPDTLS) and its CPU and date.

This second page (**Figure 420-14.**) provides an image of the DA cards input. The TDIS user should verify that this data corresponds to the transmittal form, based on the requirements specified by the C&W personnel. If any discrepancies are noted, a revised transmittal should be submitted.

The following message codes may be encountered during processing of the YDTS420:

5A - Indicated Field Is Invalid
The data in question will be underlined to assist the user in initiating necessary corrections.

5B - Required Field is Missing
The input card is lacking data necessary to initiate the process. A corrected input card is required to restart the process.

5M - Duplicates Not Allowed
This indicates that DR Area appears more than once on the DA Card, or more than one DA card was submitted.

5N - Request Limit Exceeded.
More than ten DR Areas were input on the transmittal form.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: ENTER COMPANY NAME   ( CB )                                                    RUN FOLDER: YDTS420
REPORT: TS-EDP                                                                          PROGRAM: YDTS420     R-5.1
CONTROL DATE: 10/04/93                                                                  RUN DATE:  10/19/93  10:09:3

                                     EDP PROGRAM SUMMARY AND AUDIT REPORT               PAGE:         2
                                      OUTSIDE PLANT UTILIZATION REPORTS
                                      STATE CONTROL CARD VALIDATION REPORT
                              1         2         3         4         5         6         7         8   ERROR
          CARD COLUMNS  12345678901234567890123456789012345678901234567890123456789012345678901234567890  MESSAGES
                        4200
                         ID  ST
                        ---- --
                        4200 KY
                         DR   DR   DR   DR   DR   DR   DR   DR   DR   DR   DR   DR                      ERROR
                        AREA AREA AREA AREA AREA AREA AREA AREA AREA AREA AREA AREA                     MESSAGES
                        ---- ---- ---- ---- ---- ---- ---- ---- ---- ---- ---- ----                     --------
                        CK

                        STATE CONTROL INPUT CARDS:              READ              =          1
                                                                ACCEPTED          =          1
                                                                REJECTED          =          0
                        DRAREA  TABLE LAST UPDATED ON                                 10/18/93
                        DRAREA  TABLE GENERATION NUMBER                               G0008V00
                        DRAREA  TABLE RECORD COUNT                                =          2



 MESSAGE CODES:
    5A - INDICATED FIELD IS INVALID
    5B - REQUIRED FIELD IS MISSING
    5M - DUPLICATES NOT ALLOWED
    5N - REQUEST LIMIT EXCEEDED
                                                    PROPRIETARY
                                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 420-14. Audit Report: TS-EDP (Example 1)

```
                                    * * * * D R P - T D I S * * * *
COMPANY: ENTER COMPANY NAME   ( CB )                                        RUN FOLDER: YDTS420
REPORT: TS-EDP                                                              PROGRAM: YDTS420     R-5.1
CONTROL DATE: 10/04/93                                                      RUN DATE:  10/19/93  10:09:3

                                  EDP PROGRAM SUMMARY AND AUDIT REPORT                  PAGE:         3
                                   OUTSIDE PLANT UTILIZATION REPORTS
          OUTSIDE PLANT DETAILS FILE(OSPDTLS) RECORDS READ: CABLE TYPE U INVENTORIED       =       3,777
                                                            CABLE TYPE U NON-INVENTORIED   =           0
                                                            CABLE TYPE H INVENTORIED       =       1,616
                                                            CABLE TYPE H NON-INVENTORIED   =           0
                                                            CABLE TOTAL                    =       5,393
                                                            FIBER TYPE U INVENTORIED       =       2,420
                                                            FIBER TYPE U NON-INVENTORIED   =           0
                                                            FIBER TYPE H INVENTORIED       =         581
                                                            FIBER TYPE H NON-INVENTORIED   =           0
                                                            FIBER TOTAL                    =       3,001
                                                            CARRIER TYPE U INVENTORIED     =     151,479
                                                            CARRIER TYPE U NON-INVENTORIED =           0
                                                            CARRIER TYPE H INVENTORIED     =      12,025
                                                            CARRIER TYPE H NON-INVENTORIED =           0
                                                            CARRIER TOTAL                  =     163,504
                                                            CARRIER W/O FACILITY TYPE I    =       9,283
                                                            TOTAL OSPDTLS RECORDS          =     181,181
           OSPDTLS RECORDS PROCESSED FOR SELECTED DR AREAS: CABLE TYPE U INVENTORIED       =         502
                                                            CABLE TYPE U NON-INVENTORIED   =           0
                                                            CABLE TYPE H INVENTORIED       =         176
                                                            CABLE TYPE H NON-INVENTORIED   =           0
                                                            CABLE TOTAL                    =         678
                                                            FIBER TYPE U INVENTORIED       =         364
                                                            FIBER TYPE U NON-INVENTORIED   =           0
                                                            FIBER TYPE H INVENTORIED       =          55
                                                            FIBER TYPE H NON-INVENTORIED   =           0
                                                            FIBER TOTAL                    =         419
                                                            CARRIER TYPE U INVENTORIED     =      22,810
                                                            CARRIER TYPE U NON-INVENTORIED =           0
                                                            CARRIER TYPE H INVENTORIED     =       2,456
                                                            CARRIER TYPE H NON-INVENTORIED =           0
                                                            CARRIER TOTAL                  =      25,266


                                  * * * * * *  END OF REPORT  * * * * * *
                                               PROPRIETARY
                                    BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 420-15. Audit Report: TS-EDP (Example 2)

420.5 Abnormal Termination

The following situation will result in termination of the process:

Condition Code 2007 - No header record found for file name. This condition code may be the result of improper sort of data, the program did not start at the first tape, prior program did not complete correctly, or other processing malfunctions.

Condition Code 2009 - Invalid header record. This condition code may also indicate that there is a mismatch on the CPU ID between the input card and the data being accessed, the control data does not match the header record, or the header record data is outside the range dictated by the TDIS logic.

Condition Code 2043 - State to DR study area (DRAREA) table is either empty or exceeds the maximum of 20 records.

Condition Code 2071 - The number of Divested Administrators per DR AREA exceeded the program limit.

Condition Code 2072 - The number of specific DR AREA found for generic DR AREA exceeded the program limit.

Condition Code 2073 - Invalid Owner - user code was found.

440. YDTS440 - Create Outside Plant Investment File and Reports

440.1 General Description

This procedure processes Outside Plant records in the BCC-developed DOPAC Interface File necessary in the development of the C&W Study. The TDIS user is responsible for the input of the ACCOUNT Translation Table, and the State Selection Control Cards. Please see the TDIS Table User Guide (BR 750-200-003) for detailed information. Therefore, a detailed description of the reports, their content, and audit checks is not included in this manual, but in the C&W Study documentation.

440.2 Program Flow Diagram

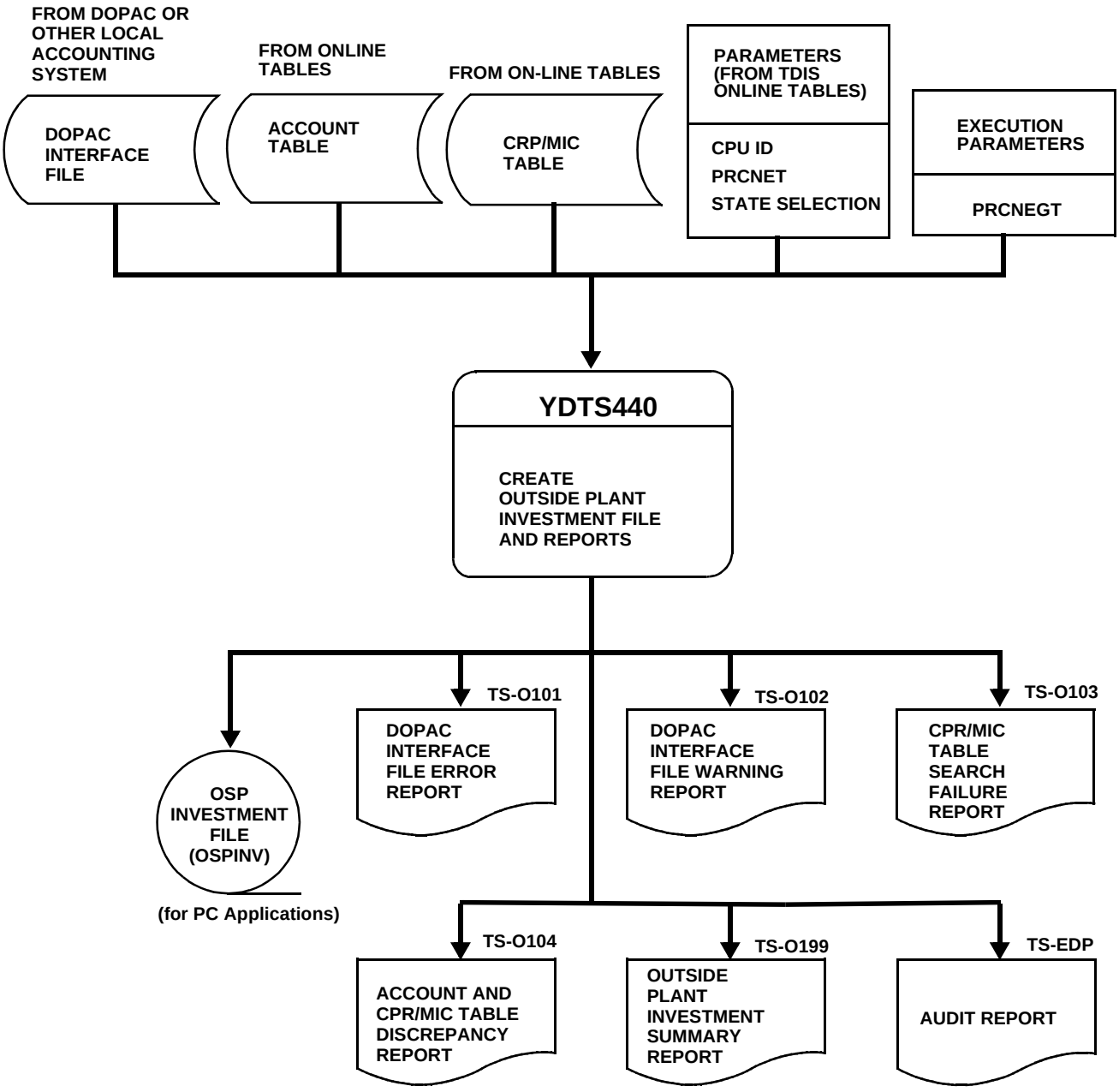

Figure 4400-1. YDTS440 Program Flow Diagram

440.3 Inputs

440.3.1 Transmittal to Request the Run

The following information must be provided on the transmittal form:

1. **RUN DATE** - Specify the date this process is to be executed.
2. **RUN SEQUENCING REQUIREMENTS** - If more than one run has been requested, it is necessary to specify the order in which the runs are to be performed. Appendix B contains job sequencing information.
3. **EXECUTION PARAMETER** - PRCNEGT - Process negative and zero dollar amount. Enter Y or N. The default is N. Y = also process negative and zero dollar amount. N = bypass negative and zero dollar amount.
4. **RECIPIENT OF OUTPUT** - Name and address of the person(s) to whom the processed reports are to be delivered.

> **NOTE —** Maintenance of the control card for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL).

There are no user options associated with this process.

440.3.2 Input Parameters

The following are created using the TDIS Online Tables:

- CPU ID
- State Selection

440.4 Outputs

All outputs should to be directed to the C&W Study personnel. There are no TDIS user reports associated with this procedure. **Figure 420-2.** through **Figure 420-7.** show these reports.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: ENTER COMPANY NAME   ( CB )                                                    RUN FOLDER: YDTS440
REPORT: TS-OI01                                                                        PROGRAM: YDTS440     R-5.1
CONTROL DATE: 10/04/93                                                                 RUN DATE:  10/19/93  12:02:17
                                          DOPAC INTERFACE FILE ERROR REPORT            PAGE:         1
 ST DST  ACCOUNT   FRC/JC  CPR/MIC          PLANT ITEM DESCRIPTION          UNT   COUNT/LENGTH         AMOUNT        ERROR MSG.
 -- --- ---------- ------ ---------- ---------------------------------------- --- ---------------- -------------------- ----------

 NY 10  2423.12    0845C                                                      FT  -           28.5              $0.00 5A 5B
                              ----------                                            ----------------
 NY 35  2423.11    0245C  133006     CONDUIT SUB SEPARATE TRENCH              FT              0.0 -          $280.63 5A
                                                                                    ----------------
 NY 35  2423.11    0245C  135002     WIRE INS SERVICE B 2 PR                  FT              0.0 -           $87.23 5A
                                                                                    ----------------
 NY 35  2421.11    0002C  139201     FIBR CBL STRAND CONN 144 FIBRS           FT  -           0.2 -           $10.08 5A
                                                                                    ----------------
 NY 18  2423.22    0845TC 200012                                               FT  -           8.6              $0.00 5A
                                                                                    ----------------
 NY 17  2422.21    0005TC 210016     CA   16X20                               FT              0.0              $0.02 5A
                                                                                    ----------------
 NY 17  2422.11    0005C  210050     CA   50X20                               FT  -           1.5 -            $0.15 5A
                                                                                    ----------------
 NY 24  2421.11    0002C  210075     CA   75X20                               FT              0.0              $6.52 5A
                                                                                    ----------------
 NY 16  2421.21    0002TC 210100     CA  100X20                               FT  -          77.2 -           $10.65 5A
                                                                                   ----------------
 NY 16  2422.21    0005TC 210200     CA  200X20                               FT  -          53.7 -            $6.77 5A
                                                                                    ----------------
 NY 24  2421.11    0002C  210200     CA  200X20                               FT              0.0              $0.00 5A
                                                                                    ----------------
 NY 27  2421.11    0032C  211100     CA  100X24                               FT  -         370.0              $0.00 5A
                                                                                    ----------------
 NY 25  2421.11    0032C  212005                                              FT  -           8.6              $0.00 5A
                                                                                    ----------------
 NY 15  2423.11    0045C  212006     CA    6X22                               FT  -         135.1             $42.39 5A
                                                                                    ----------------
 NY 18  2422.11    0005C  212006     CA    6X22                               FT  -           1.7              $0.00 5A
                                                                                    ----------------
 NY 18  2422.21    0005TC 212011     CA   11X22                               FT  -           2.9 -            $0.04 5A
                                                                                    ----------------
 NY 17  2422.21    0005TC 212016     CA   16X22                               FT              0.0              $0.02 5A
                                                                                    ----------------
 NY 16  2422.21    0005TC 212025     CA   25X22                               FT  -          14.5 -            $4.73 5A
                                                                                    ----------------
 NY 17  2421.21    0002TC 212025     CA   25X22                               FT  -          18.3             $10.64 5A
                                                                                    ----------------
 NY 32  2424.11    0006C  212050     CA   50X22                               FT              0.0 -            $6.07 5A
                                                                                    ----------------
 NY 27  2421.21    0002TC 212075     CA   75X22                               FT              0.0              $0.25 5A
                                                                                    ----------------
 NY 27  2422.21    0005TC 212075     CA   75X22                               FT              0.0              $0.22 5A
                                                                                    ----------------
MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID
   5B - REQUIRED FIELD IS MISSING
                                                    PROPRIETARY
                                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 420-2. YDTS440 - DOPAC Interface File Error Report: TS-OI01

```
                                        * * * * D R P - T D I S * * * *
COMPANY: ENTER COMPANY NAME   ( CB )                                                    RUN FOLDER: YDTS440
REPORT: TS-OI02                                                                         PROGRAM: YDTS440     R-5.1
CONTROL DATE: 10/04/93                                                                  RUN DATE:  10/19/93  12:02:17
                                        DOPAC INTERFACE FILE WARNING REPORT              PAGE:         1
 ST DST  ACCOUNT   FRC/JC  CPR/MIC          PLANT ITEM DESCRIPTION          UNT   COUNT/LENGTH         AMOUNT         WARNINGS
 -- --- ---------- ------ ---------- ---------------------------------------- --- ----------------- ------------------ ----------

 NY 27  2431       0003C  130104     WIRE BARE COPPER                        FT               0.0 -            $0.99 5A
                                                                                    -----------------
 NY 27  2431       0003C  131109     WIRE BARE OTHER                         FT               0.0 -            $3.55 5A
                                                                                    -----------------
 NY 24  2431       0003C  133006     CONDUIT SUB SEPARATE TRENCH              FT               0.0 -           $25.15 5A
                                                                                    -----------------
 NY 26  2431       0003C  133006     CONDUIT SUB SEPARATE TRENCH              FT               0.0              $0.75 5A
                                                                                    -----------------
 NY 24  2431       0003C  133012     CONDUIT SUB SEPARATE TRENCH              FT               0.0             $20.86 5A
                                                                                    -----------------
 NY 25  2431       0003C  134016     FIBR CBL STRAND CONN 144 FIBRS           FT               0.0 -           $17.08 5A
                                                                                    -----------------
 NY 26  2431       0003C  134016     FIBR CBL STRAND CONN 144 FIBRS           FT               0.0 -            $0.57 5A
                                                                                    -----------------
 NY 16  2431       0003C  135002     WIRE INS SERVICE B 2 PR                  FT               0.0 -            $0.19 5A
                                                                                    -----------------
 NY 17  2431       0003C  135002     WIRE INS SERVICE B 2 PR                  FT               0.0              $0.25 5A
                                                                                    -----------------
 NY 18  2431       0003C  135002     WIRE INS SERVICE B 2 PR                  FT               0.0              $0.57 5A
                                                                                    -----------------
 NY 15  2431       0003C  139101     WIRE PLANT CHOKE UNITS                   FT               0.0 -            $0.21 5A
                                                                                    -----------------
 NY 15  2431       0003C  139201     FIBR CBL STRAND CONN 144 FIBRS           FT               0.0              $0.06 5A
                                                                                    -----------------




MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID
   5B - REQUIRED FIELD IS MISSING
                                        * * * * * *  END OF REPORT  * * * * * *
                                                     PROPRIETARY
                                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 420-3. YDTS440 - DOPAC Interface File Warning Report: TS-OI02

* * * * D R P - T D I S * * * *

COMPANY: ENTER COMPANY NAME (CB) RUN FOLDER: YDTS440
REPORT: TS-OI03 PROGRAM: YDTS440 R-5.1
CONTROL DATE: 10/04/93 RUN DATE: 10/19/93 12:02:17
PAGE: 1

CPR/MIC TABLE SEARCH FAILURE REPORT

CPR/MIC	PLANT ITEM DESCRIPTION	RECORDS	TOTAL AMOUNT
000000		1	$0.00
110000		7	$0.00
110022		19	$5,862.71
110025	POLES 25	20	$129,100.22
110030	POLES 30	21	$434,005.54
110035	POLES 35	20	$833,835.89
110040	POLES 40 AND OVER	20	$2,192,578.84
111025	POLES FGS 25	5	$617.04
111030	POLES FGS 30	3	$59.16
132001	AIR DRYER 14501-30500 SCFD	5	$3,111.42
133006	CONDUIT SUB SEPARATE TRENCH	3	$7.73
139201	FIBR CBL STRAND CONN 144 FIBRS	11	$534.90
139203	FIBR CBL STRAND CONN 144 FIBRS	2	$435.27
139204	FIBR CBL STRAND CONN 144 FIBRS	1	$80.98
139205	FIBR CBL STRAND CONN 144 FIBRS	5	$743.01
139207	FIBR CBL STRAND CONN 144 FIBRS	1	$146.79
210011	CA 11X20	1	$1.33
210016	CA 16X20	1	$0.02
210025	CA 25X20	13	$117.05
210050	CA 50X20	14	$396.01
210075	CA 75X20	6	$103.69
210100	CA 100X20	11	$727.65
210150	CA 150X20	10	$249.37
210200	CA 200X20	17	$2,196.52
210300	CA 300X20	9	$581.63
210400	CA 400X20	11	$1,102.14
211025	CA 25X24	1	$1,908.88
211050	CA 50X24	3	$6,868.51
211075	CA 75X24	1	$1,843.01
211100	CA 100X24	6	$76,910.15
211150	CONNECTOR A75A DE150	1	$249.10
212006	CA 6X22	59	$19,919.61
212011	CA 11X22	62	$41,561.02
212016	CA 16X22	52	$46,172.54
212025	CA 25X22	79	$697,159.07
212050	CA 50X22	86	$1,054,813.19
212075	CA 75X22	65	$82,115.24
212100	CA 100X22	85	$1,018,786.82
212150	CA 150X22	72	$144,978.74
212200	CA 200X22	86	$1,050,263.73
212300	CA 300X22	88	$745,292.84
212400	CA 400X22	81	$703,332.06
212450	CA 450X22	38	$4,375.98
212600	CA 600X22	88	$952,832.60
212900	CA 600X22	2	$0.00
212909	CA 900X22	89	$1,860,231.84
212912	CA 1200X22	72	$1,010,112.59
212915	CA 1500 X 22	18	$12,848.93

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Figure 420-4. YDTS440 - CPR/MIC Table Search Failure Report: TS-OI03

```
                                        * * * * D R P - T D I S * * * *
COMPANY: ENTER COMPANY NAME   ( CB )                                                    RUN FOLDER: YDTS440
REPORT: TS-OI99                                                                         PROGRAM: YDTS440     R-5.1
CONTROL DATE: 10/04/93                                                                  RUN DATE:  10/19/93  12:02:17
                                        OUTSIDE PLANT INVESTMENT SUMMARY REPORT         PAGE:         1
          STATE=NY                           SHEATH TOTAL DOLLARS WIRE
          2421.11  =            $0.00         2421.21  =            $0.00         2422.11  =            $0.00
          2422.21  =            $0.00         2423.11  =            $0.00         2423.21  =            $0.00
          2424.11  =            $0.00         2424.21  =            $0.00         TOTAL    =            $0.00
          STATE=NY                           FIBER OPTIC DOLLARS
          2421.12  =            $0.00         2421.22  =            $0.00         2422.12  =            $0.00
          2422.22  =            $0.00         2423.12  =            $0.00         2423.22  =            $0.00
          2424.12  =            $0.00         2424.22  =            $0.00         TOTAL    =            $0.00
          STATE=NY                           OTHER TERM
          2421.11  =            $0.00         2421.21  =            $0.00         2422.11  =            $0.00
          2422.21  =            $0.00         2423.11  =            $0.00         2423.21  =            $0.00
          2424.11  =            $0.00         2424.21  =            $0.00         TOTAL    =            $0.00
          2421.12  =            $0.00         2421.22  =            $0.00         2422.12  =            $0.00
          2422.22  =            $0.00         2423.12  =            $0.00         2423.22  =            $0.00
          2424.12  =            $0.00         2424.22  =            $0.00         TOTAL    =            $0.00
          STATE=NY                           CARRIER LINE FILTERS
          2421.11  =            $0.00         2421.21  =            $0.00         2422.11  =            $0.00
          2422.21  =            $0.00         2423.11  =            $0.00         2423.21  =            $0.00
          2424.11  =            $0.00         2424.21  =            $0.00         TOTAL    =            $0.00
          STATE=NY                           SUPPRESSION COILS
          2421.11  =            $0.00         2421.21  =            $0.00         2422.11  =            $0.00
          2422.21  =            $0.00         2423.11  =            $0.00         2423.21  =            $0.00
          2424.11  =            $0.00         2424.21  =            $0.00         TOTAL    =            $0.00
          STATE=NY                           AIR DRYERS
          2421.11  =            $0.00         2421.21  =            $0.00         2422.11  =            $0.00
          2422.21  =            $0.00         2423.11  =            $0.00         2423.21  =            $0.00
          2424.11  =            $0.00         2424.21  =            $0.00         TOTAL    =            $0.00
          STATE=NY                           BUILD OUT CAPACITORS
          2421.11  =            $0.00         2421.21  =            $0.00         2422.11  =            $0.00
          2422.21  =            $0.00         2423.11  =            $0.00         2423.21  =            $0.00
          2424.11  =            $0.00         2424.21  =            $0.00         TOTAL    =            $0.00
          STATE=NY                           CONT. AND CONTACTOR TERMINALS
          2421.11  =            $0.00         2421.21  =            $0.00         2422.11  =            $0.00
          2422.21  =            $0.00         2423.11  =            $0.00         2423.21  =            $0.00
          2424.11  =            $0.00         2424.21  =            $0.00         TOTAL    =            $0.00

                                                   PROPRIETARY
                                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 420-5. YDTS440 - Outside Plant Investment Summary Report: TS-OI99

```
                                   * * * * D R P - T D I S * * * *
COMPANY: BELLCORE - TDIS 5.2  ( BC )                                                   RUN FOLDER: YDTS440
REPORT: TS-EDP                                                                          PROGRAM: YDTS440   R-5.2
CONTROL DATE: 07/18/94                                                                  RUN DATE: 07/20/94 14:30:05
                                     EDP PROCESSING AND SUMMARY                          PAGE:          2
                                CREATE OUTSIDE PLANT INVESTMENT FILE AND REPORTS
                DOPAC CORPORATE INFORMATION RECORD: COMPANY            = BELL OF PA/DIAMOND STATE
                                                    PROCESSING DATE    =         05/18/94
                                                    BOOK CLOSING DATE  =         05/18/94
                                                    DOPAC DATA RECORDS =            4,728
                DOPAC INTERFACE FILE RECORDS:       READ               =            4,728
                                                    ACCEPTED           =                0
                                                    REJECTED           =            4,728
                DOPAC INTERFACE FILE INVESTMENT:    ACCUMULATED        =            $0.00
                                                    BYPASSED           =  $3,454,508,956.18
                LAST CPR/HIC TABLE UPDATED:                                      05/07/93
                CPR/HIC TABLE GENERATION NUMBER:                                 G0002V00
                CPR/HIC TABLE RECORDS:              READ               =                6
                LAST ACCOUNT TABLE UPDATED:                                      07/20/94
                ACCOUNT TABLE GENERATION NUMBER:                                 G0003V00
                OSP INVESTMENT FILE(OSPINV) STATES: WRITTEN            =                2
                PROCESS ZERO AND NEGATIVE DOLLAR AMOUNT: (Y/N)                          N




                                          PROPRIETARY
                                BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 420-6. YDTS440 - Audit Report: TS-EDP (Example 1)

```
                                              * * * * D R P - T D I S * * * *
COMPANY: ENTER COMPANY NAME   ( CB )                                                                 RUN FOLDER: YDTS440
REPORT: TS-EDP                                                                                       PROGRAM: YDTS440     R-5.1
CONTROL DATE: 10/04/93                                                                               RUN DATE:  10/19/93  12:02:17
                                                    EDP PROCESSING AND SUMMARY                       PAGE:         2
                                          CREATE OUTSIDE PLANT INVESTMENT FILE AND REPORTS

   STATE=NY                                                INVESTMENT ACCUMULATED

   2421.11  =             $0.00    2421.12  =             $0.00    2421.21  =             $0.00    2421.22  =             $0.00
   2422.11  =             $0.00    2422.12  =             $0.00    2422.21  =             $0.00    2422.22  =             $0.00
   2423.11  =             $0.00    2423.12  =             $0.00    2423.21  =             $0.00    2423.22  =             $0.00
   2424.11  =             $0.00    2424.12  =             $0.00    2424.21  =             $0.00    2424.22  =             $0.00
   2426.1   =             $0.00    2426.2   =             $0.00
   CABLE              =            $0.00
   POLE               =            $0.00
   AERIAL WIRE        = -    $3,822,625.04
   UNDERGROUND CONDUIT =           $0.00
                        -------------------
   STATE TOTAL        = -    $3,822,625.04

   STATE=NY                                                INVESTMENT BYPASSED

   2421.11  =    $21,132,390.30    2421.12  =       $309,416.58    2421.21  =       $982,007.39    2421.22  =       $271,597.56
   2422.11  =    $10,055,382.39    2422.12  =     $1,046,604.20    2422.21  =     $4,823,258.58    2422.22  =     $1,875,093.87
   2423.11  =     $5,974,902.63    2423.12  =        $92,413.34    2423.21  =       $568,170.69    2423.22  =       $513,977.38
   2424.11  =-          $415.64    2424.12  =             $0.00    2424.21  =-          $316.09    2424.22  =            $17.34
   2426.1   =             $0.00    2426.2   =             $0.00
   CABLE              =    $47,759,500.52
   POLE               =     $3,896,451.31
   AERIAL WIRE        =            $0.00
   UNDERGROUND CONDUIT =           $0.00
   UNDETERMINED       =            $0.00
                        -------------------
   STATE TOTAL        =    $51,655,951.83



                                                          PROPRIETARY
                                                BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 420-7. YDTS440 - Audit Report: TS-EDP (Example 2)

440.5 Abnormal Termination

The following situation will result in termination of the process:

Condition Code 2074 - The number of different states found in DOPAC file exceeded the max limit (10).

500. YDTS500 - Equipment Details Merge, Placement, and DR Class Code Generation

500.1 General Description

The purpose of this procedure is to create the TDIS Merged Equipment Details File (MEQPDTLS), which contains circuit-level data that includes the associated equipment in relation to the facility terminal location. This is accomplished using the combined Circuit Equipment Details File from YDTSU04, the Merged Circuit Details Facility File (TCDFACID) from YDTS300, the EXCHG Table, the GRPCODE Table, the TIEXCPT Table, and the DRDD Table. The DR Class Codes, for equipment subdivisions, are generated based on the surrounding facilities and written to the output file. Appendix E describes details regarding the selection criteria used in equipment placement and Appendix F describes details regarding class code generation.

A secondary output to the procedure is the Merged Equipment Usage File. This file contains the equipment at a unit level, with usage generated by the normalization of equipment.

The file generated by this procedure will be utilized in subsequent TDIS procedures YDTS510 (Create the Merged Equipment Summary File), YDTS720 (TDIS Interface for the Replacement of Stars), YDTS722 (Generate Circuit Components Inquiry Report), and YDTS750 (Generate Circuit Components Data Integrity Report).

YDTS500 performs the following generalized functions:

YDTS500

The YDTS500 program synchronizes the Equipment Linkage File (EQPLINK) and the Equipment Unit File (EQPUNIT), appending a unique processing number for each separate Equipment Unit. The processing number is subsequently used in the Equipment Normalization process in the YDTS505 program.

YDTS501

The YDTS501 program places equipment subdivisions in relation to its facilities in order to produce a circuit view that includes circuits and its associated facilities and equipment in transmission sequence. In addition, it posts circuit equipment terminations on the records in the MCDFACID and MEQPDTLS files. During this process, six additional files are generated for termination reports.

YDTS505

The YDTS505 program develops hierarchical level numbers for the Equipment Units in the Equipment Unit File using the Equipment Linkage File. The level numbers are then appended to the two files.

The DRP Class Codes (i.e., usage) present on the equipment subdivisions in the Merged Equipment Details File (MEQPDTLS) are summed to a unit level and posted to the Equipment Unit File. The equipment hierarchy is then traversed using the Equipment Linkage File, allowing the usage present on the lower-level equipment units to float upwards to the higher-level equipment units. Previously, the higher-level equipment units were unassignable (i.e., they could not be assigned usage directly because they were not directly associated with one identifiable circuit). This equipment normalization will allow the TDIS-CES system to more correctly assign usage to its respective jurisdictions.

500.2 Program Flow Diagrams

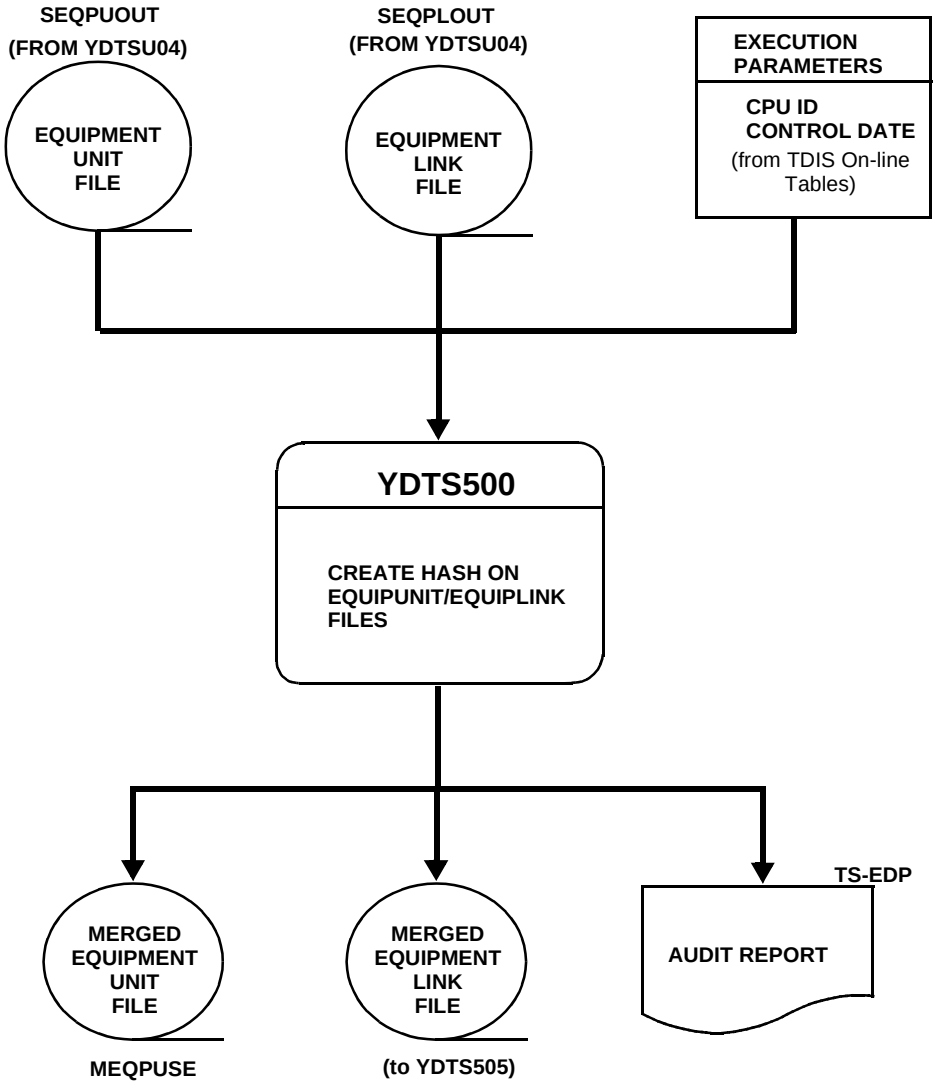


Figure 500-1. YDTS500 Program Flow Diagram

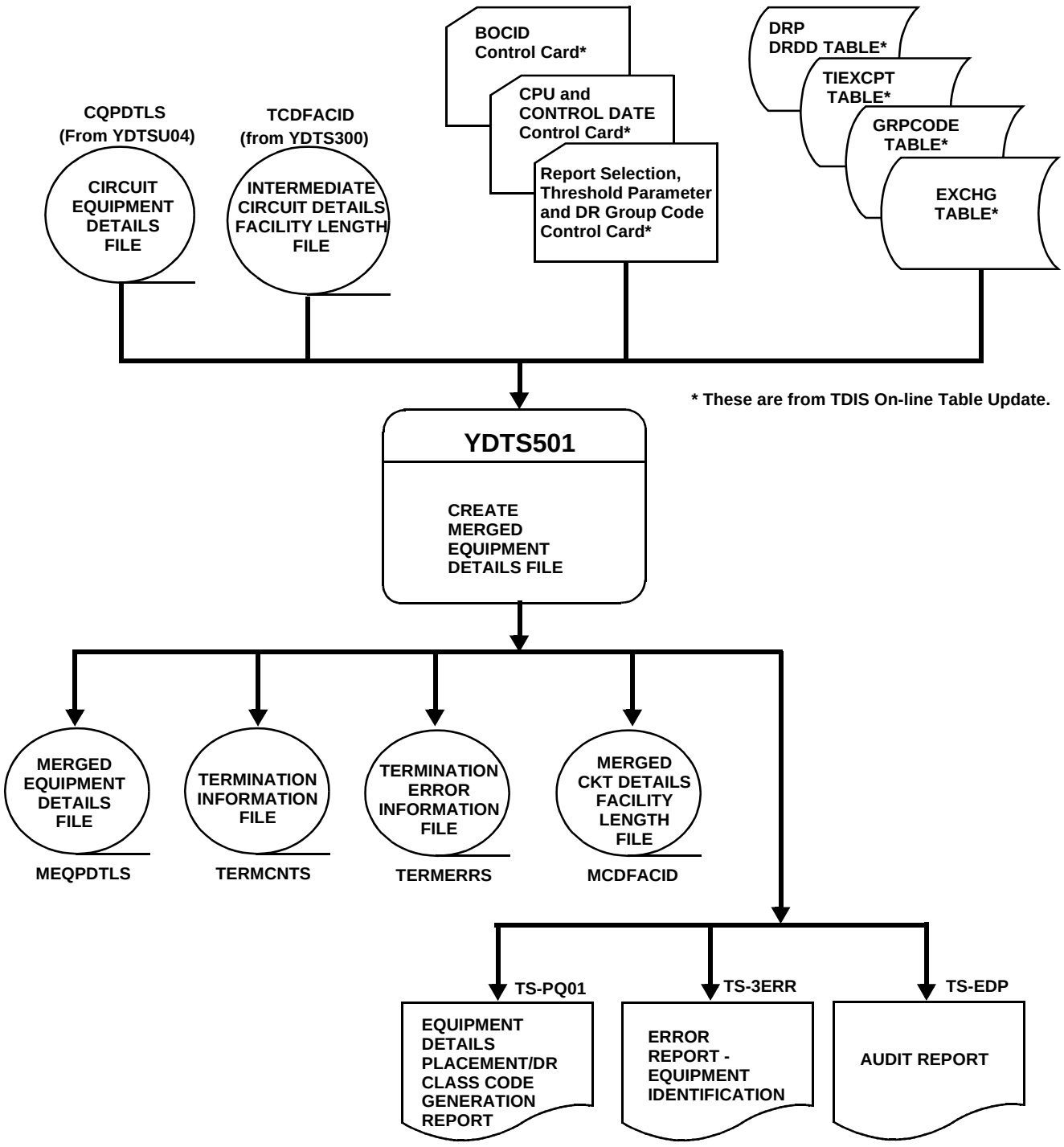


Figure 500-2. YDTS501 Program Flow Diagram

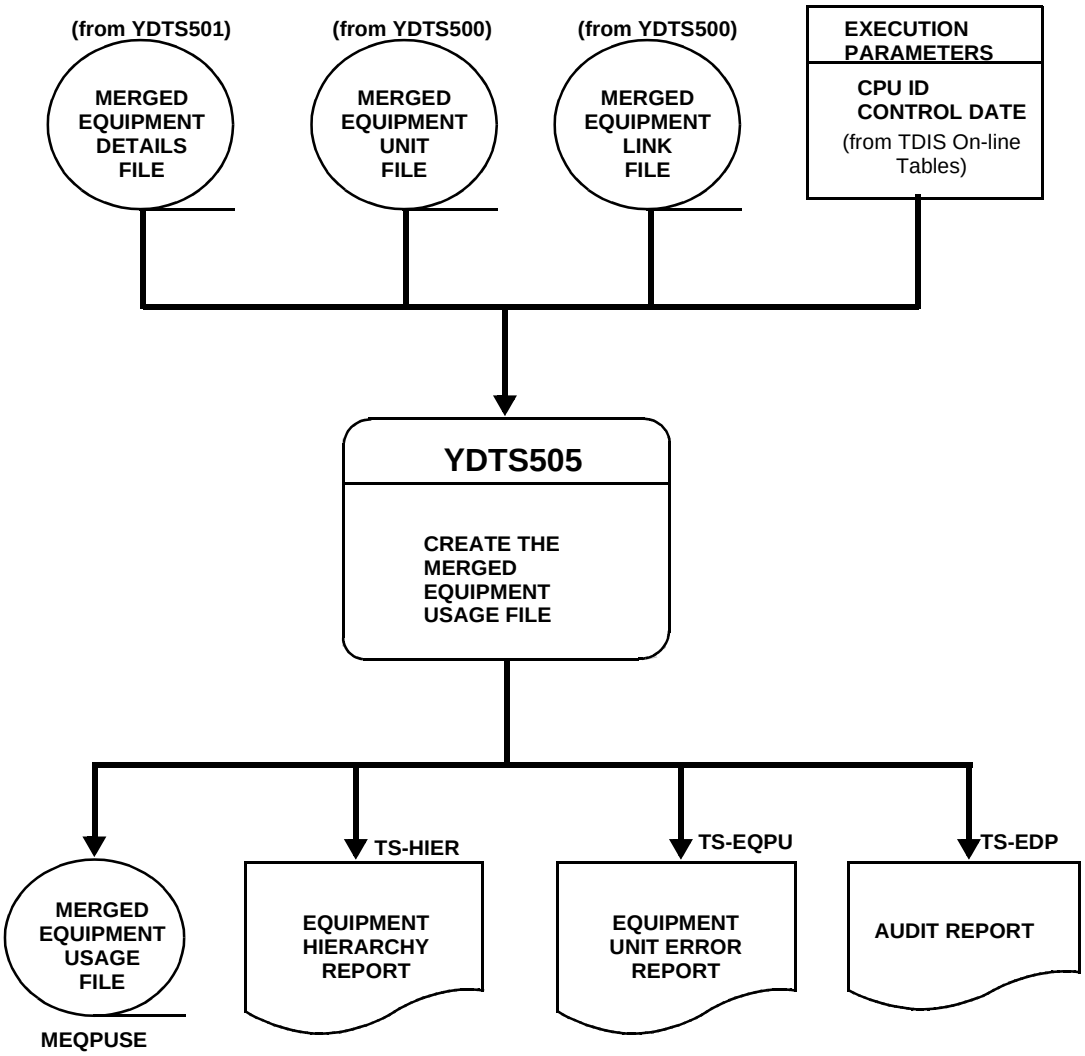


Figure 500-3. YDTS501 Program Flow Diagram

500.3 Inputs

500.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date this procedure is to be executed.
2. RUN SEQUENCING INFORMATION - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B contains job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of the person(s) to whom the generated reports are to be delivered.

> **NOTE —** Maintenance of the control card for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL).

500.3.2 Input Cards

Parameter Card - This is created using the TDIS On-Line Tables.

Control Date Card - Use the TDIS On-Line Tables to set this to the correct value.

500.4 Outputs

YDTS500 Reports

500.4.1 YDTS500 Audit Report: TS-EDP

The first page, Multiple Processing Information, is always printed and will reveal the following conditions:

1. More than one header, for merged CPU sites, on an input file.
2. Each file has one header, one CPU site, and there is a date mismatch.
3. Header dates are more than the acceptable limit of seven days apart.
4. Duplicate header date, file name, CPU ID.
5. Mismatch of CPU sites amount the input file names, i.e., missing files.

The following items are for verifying the accuracy and completeness of the process:

- TDIS Equipunit Records Read
- TDIS Outunit Records Written
- TDIS Equiplink Records Read
- TDIS Outlink Records Written.

```
                                                  * * * * D R P - T D I S * * * *
COMPANY: BASE - SYSTEST 6.0 ENVIRONMENT ( CB )                                    RUN FOLDER: YDTS500
REPORT: TS-EDP                                                                    PROGRAM: YDTS500     R-6.1
CONTROL DATE: 04/18/96                                                            RUN DATE:  11/06/96  14:47:44
                                          EDP PROCESSING AND SUMMARY              PAGE:         1
                                    POPULATE EQUIPMENT UNIT NUMBER IN FILE LAYOUTS

                                          MULTICPU PROCESSING INFORMATION
FILENAME  CPU  DS  DATE
--------  ---  -- ------
EQPUNIT : CB   T  041896
EQPLINK : CB   T  041896

          FILENAME CPU DS  DATE
          -------- --- -- ------
MAX DATE: EQPUNIT  CB  T  041896
MIN DATE: EQPUNIT  CB  T  041896
DIFF DAYS:                    0

      NUMBER OF TDIS EQPUNIT RECORDS                    : READ       =      275,102

      NUMBER OF TDIS OUTUNIT RECORDS WRITTEN            : DATE REC   =            1
                                                          UNIT   (1) =      242,168
                                                        UNITS SKIPPED =      32,933
                                                          TOTAL      =      275,102


      NUMBER OF TDIS EQPLINK RECORDS                    : READ       =      236,613

      NUMBER OF TDIS OUTLINK RECORDS WRITTEN            : DATE REC   =            1
                                                          LINK   (1) =      236,613
                                                          TOTAL      =      236,614


                                        * * * * * *  END OF REPORT  * * * * * *
                                                       PROPRIETARY
                                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 500-4. Audit Report for YDTS500: TS-EDP

YDTS501 Reports

500.4.2 Equipment Details Placement/DR Class Code Generation Error Report: TS-PQ01

This report lists all circuits that were flagged with error or warning message codes of 1D, 2O, or 2R during the equipment placement and DR Class Code generation processes.

The header of the report will contain the following information:

- In the upper left-hand corner: company name, report name, and control date
- In the upper right-hand corner: the run folder, program name and current TDIS release number, and actual run date. The TDIS release number will indicate when this process was last revised.

The report title will be “Equipment Details Placement/DR Class Code Generation Error Report’’. The column headings and content are as follows:

DESCRIPTION OF THE C LINE HEADINGS

- CKT FRMT - This indicates the type of circuit as follows:
  - — 1 or M - Message Trunk
  - — 2 or T - Special Service Circuit in Telephone Number Format
  - — 3 or S - Special Service Circuit in Serial Number Format.
- CIRCUIT IDENTIFICATION - The complete circuit description as defined by COMMON LANGUAGE Standards. BR 756-551-790 contains a complete description of the data fields.
- CAC - A TIRKS-generated code utilized to identify a Special Service Circuit or individual message trunk within a group.
- DR CKT TYPE - The five-character code assigned for Separations purposes, either manually or mechanically. General details regarding generation of these codes may be found in BR 756-551-001, *Detailed Regulatory/Separations Mechanization Manual*.
- OPEN FLAG - Indicates if the circuit identified is a open ended circuit. This field will only be populated on special service circuits. The values that will appear are:
  - — “**A**” - Identifies the originating end of the circuit as open ended. Meaning it has two originating locations (location A and location A2), only the primary locations A and Z are printed on this report.

— "**Z**" - Identifies the terminating end of the circuit as open ended. Meaning it has two terminating locations (location Z and location Z2), only the primary locations A and Z are printed on this report.

— "**B**" - Identifies both ends of the circuit as open ended. Meaning it has two originating and two terminating locations (location A, location A2, location Z and location Z2), only the primary locations A and Z are printed on this report.

— "BLANK" - Identifies neither end of the circuit is open ended. Meaning it has only one originating and terminating location (location A and location Z). These primary locations A and Z are printed on this report.

- SPEC SERV LOCATION A - The originating location of the circuit that was input on the CD screen when the circuit was being designed/created in TIRKS.
- SPEC SERV LOCATION Z - The termination location of the circuit that was input on the CD screen when the circuit was being designed/created in TIRKS.
- ERROR MESSAGES - The error or warning code that indicates a discrepancy has been detected on the circuit.

DESCRIPTION OF THE F LINE HEADINGS

- CXE IND - ''X'' - Carrier or ''C'' - Cable
- FACILITY IDENTIFICATION
  - — TERMINAL LOCATION A - The originating location of the facility. This will always be the low alpha location based on the first eight characters of the CLLI.
  - — TERMINAL LOCATION Z - The terminating location of the facility. This will always be the high alpha location based on the first eight characters of the CLLI.
  - — CABLE#/FAC DES - The cable number or carrier system number.
  - — LAST PAIR/FAC GROUP - The last numeric pair number in the complement or the type of carrier, i.e., T1, etc.
- UNIT # - The actual cable pair or carrier channel assigned to the circuit.
- ASGT SUBD - An assignable portion of a cable pair.
- DR GRP CODE - A two-character code that defines the jurisdictional and/or physical location of the facility.
- DR CLASS CODE - The two-character code that was generated when the DRDD table was accessed.

- SEQUENCE CODE - A numeric indication of the placement of facilities with the circuit design.
- ERROR MESSAGES - The error or warning code that indicates a discrepancy has been detected.

DESCRIPTION OF THE E LINE HEADINGS

- UNIT TYPE
- EQUIPMENT IDENTIFICATION
  - — LOCATION - The COMMON LANGUAGE Location Code for the office.
  - — HECI - The HECI number as it was extracted from TIRKS.
  - — RELAY RACK - A numeric code used to designate a specific equipment location within a particular office.
- UNIT # - The individual mounting or slot location within the relay rack.
- ASGT SUBD - The assignable portion of an equipment unit.
- ECN - ECN extracted from TIRKS.
- DR CLASS CODE - A two-character separations code.
- PLACEMENT CODE - An alphanumeric indicator reflecting the location of the equipment within the transmission path of the circuit.
- ERROR MESSAGES - An error or warning code that indicates a discrepancy has been detected.

The last page of the TS-PQ01 Report is the processing summary. The major items on this summary are as follows:

- Total Circuits Processed - Working, Not Working, and Total
- Equipment Subdivisions Processed
- Total Equipment Subdivisions Placed - Coils At End Locations
- Other Total Equipment Subdivisions Not Placed - Assembly Component (Span Line and Span Group)
- Assigned to Working Circuits (Carrier, Message, and Special Service)
- Assigned to Not Working Circuits (Carrier, Message, and Special Service)
- Assigned to Non-Existent Circuits (Carrier, Message, and Special Service)
- Total Working Circuits With Equipment and Without Facilities

- Total DR Class Codes Generated - Assembly Component, Span Line, Span Group, Mounting, Single Unit, and Assembly Unit
- Total Equipment Subdivision With One or More Data Discrepancies
- Count of Data Discrepancies - Listed by Error Message.

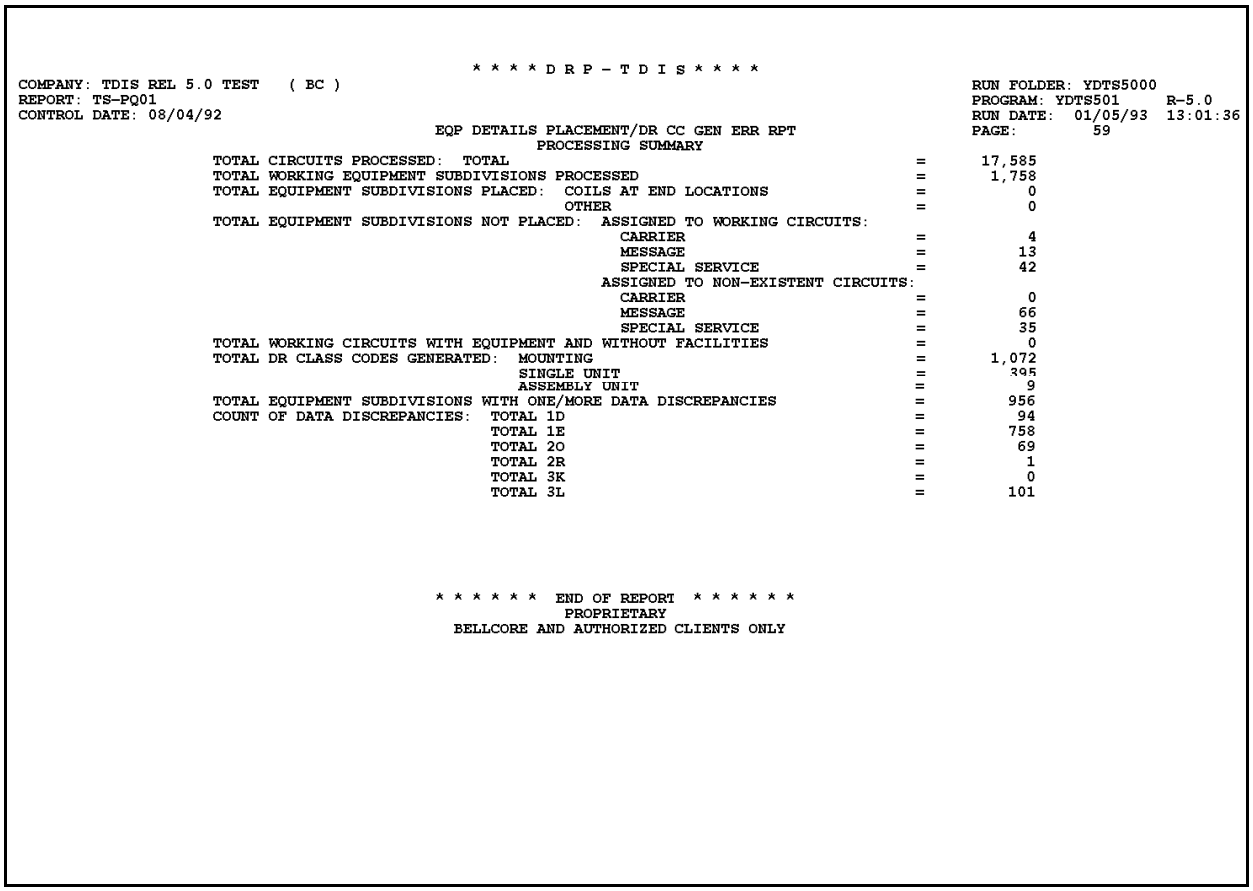
```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - SYSTEST 6.0 ENVIRONMENT   ( CB )                                  RUN FOLDER: YDTS500
REPORT: TS-PQ01                                                                   PROGRAM: YDTS501     R-6.0
CONTROL DATE: 04/18/96                                                            RUN DATE:  04/22/96  11:35:04
                                     EQP DETAILS PLACEMENT/DR CC GEN ERR RPT      PAGE:        71

   CKT                                                          DR CKT   OPEN   SPEC SERV     SPEC SERV     ERROR
C  FRMT   CIRCUIT IDENTIFICATION                        CAC      TYPE     FLAG   LOCATION A   LOCATION Z    MESSAGES
   ----   ------------------------------------------   --------  ------   ----   ----------   ----------    --------------
          FACILITY IDENTIFICATION
   CXE    TERMINAL    TERMINAL    CABLE #/  LAST PAIR/            ASGT   DR GRP   DR CLASS      SEQUENCE      ERROR
F  IND    LOCATION A  LOCATION Z  FAC DES   FAC GROUP    UNIT #   SUBD   CODE     CODE          CODE          MESSAGES
   ---    ------------------------------------------   ------    ----   ------   --------      --------      --------------
   UNIT   EQUIPMENT IDENTIFICATION                              ASGT             DR CLASS      PLACEMENT     ERROR
E  TYPE   LOCATION    HECI        RELAY RACK             UNIT #   SUBD   ECN      CODE          CODE          MESSAGES
   ----   ---------------------------------             ------   -----  -----    --------      --------      --------------
C  S      01/HCDS/821065    /NJ  /                      SMP4XF2  AHC12          WHHSNJT7      WHHSNJT8      2F 2K
E  M      WHHSNJT7    D4CBR74FRA  700.12                   122           809      QQ            LOCA          1E
E  S      WHHSNJT7    M3MPA0T1RA  700.1132                   4           814      QQ            LOCA          1E
E  S      WHHSNJT7    VT150000RA  700.1132               E  113           817      QQ            LOCA          1E
E  M      WHHSNJT8    D4CBR74FRA  800.132                   18           809      QQ            LOCA          1E
E  S      WHHSNJT8    M3MPA0T1RA  800.1132                   4           814      QQ            LOCA          1E
E  S      WHHSNJT8    VT150000RA  800.1132               W  113           817      QQ            LOCA          1E

C  S      01/HCGS/13167  002/NJ  /                      SMQ4HN5  AHC11    B      WHHSNJ13      WHHSNJ20      2F 2K
E  S      WHHSNJT5    VT150000RA  500.015                E  143           817      QQ            LOCA          1E
E  S      WHHSNJT5    VT150000RA  500.015                W  143           817      QQ            LOCA          1E
E  S      WHHSNJ15    VT150000RA  1500.0587              A  112           817      QQ            LOCA          1E
E  S      WHHSNJ15    VT150000RA  1500.0587              E  152           817      QQ            LOCA          1E
E  S      WHHSNJ15    VT150000RA  1500.0587              W  152           817      QQ            LOCA          1E
E  S      WHHSNJ16    VT150000RA  700.0587               A  111           817      QQ            LOCA          1E
E  S      WHHSNJ16    VT150000RA  700.0587               E  152           817      QQ            LOCA          1E

                                              PROPRIETARY
                                    BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 500-5. Equipment Details Placement/DR Class Code Generation Error Report: TS-PQ01 (Data Page)



```
                                    * * * * D R P - T D I S * * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                  RUN FOLDER: YDTS5000
REPORT: TS-PQ01                                                                     PROGRAM: YDTS501     R-5.0
CONTROL DATE: 08/04/92                                                              RUN DATE:  01/05/93  13:01:36
                                        EQP DETAILS PLACEMENT/DR CC GEN ERR RPT     PAGE:        59
                                              PROCESSING SUMMARY
                    TOTAL CIRCUITS PROCESSED:  TOTAL                                          =      17,585
                    TOTAL WORKING EQUIPMENT SUBDIVISIONS PROCESSED                            =       1,758
                    TOTAL EQUIPMENT SUBDIVISIONS PLACED:  COILS AT END LOCATIONS              =           0
                                                          OTHER                               =           0
                    TOTAL EQUIPMENT SUBDIVISIONS NOT PLACED:  ASSIGNED TO WORKING CIRCUITS:
                                                                CARRIER                       =           4
                                                                MESSAGE                       =          13
                                                                SPECIAL SERVICE               =          42
                                                              ASSIGNED TO NON-EXISTENT CIRCUITS:
                                                                CARRIER                       =           0
                                                                MESSAGE                       =          66
                                                                SPECIAL SERVICE               =          35
                    TOTAL WORKING CIRCUITS WITH EQUIPMENT AND WITHOUT FACILITIES              =           0
                    TOTAL DR CLASS CODES GENERATED:  MOUNTING                                 =       1,072
                                                     SINGLE UNIT                              =         395
                                                     ASSEMBLY UNIT                            =           9
                    TOTAL EQUIPMENT SUBDIVISIONS WITH ONE/MORE DATA DISCREPANCIES             =         956
                    COUNT OF DATA DISCREPANCIES:  TOTAL 1D                                    =          94
                                                  TOTAL 1E                                    =         758
                                                  TOTAL 2O                                    =          69
                                                  TOTAL 2R                                    =           1
                                                  TOTAL 3K                                    =           0
                                                  TOTAL 3L                                    =         101



                                    * * * * * *  END OF REPORT  * * * * * *
                                                  PROPRIETARY
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```

Figure 500-6. Equipment Details Placement/DR Class Code Generation Error Report: TS-PQ01 (Processing Summary Page)

500.4.3 Error Report - Equipment Identification: TS-3ERR

This report lists the equipment that has a 3L error. The 3L error indicates equipment subdivisions that do not have matching circuit records from the facilities file.

```
                                    * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                    RUN FOLDER: YDTS5000
REPORT: TS-3ERR                                                                        PROGRAM: YDTS501      R-5.0
CONTROL DATE: 08/04/92                                                                 RUN DATE:  01/05/93  15:36:52
                                                                                       PAGE:         1

        EQUIPMENT IDENTIFICATION
LOCATION    HECI        RELAY RACK  UNIT  CIRCUIT ID                                   CPU  ERRORS
--------    ----        ----------- ----  ----------                                   ---- ------
BLTMMDED    4TM0310AAA  01101.05       5 BLTMMDCH   /BLTMMDHM   /D-/DF15IE      /1128   BC    3L
BLTMMDED    ERM0603CST  01101.05       5 BLTMMDCH   /BLTMMDHM   /D-/DF15IE      /1128   BC    3L
BLTMMDED    4TM0310AAA  01101.05       9 BLTMMDCH   /BLTMMDHM   /D-/DF15IE      /1611   BC    3L
BLTMMDED    ERM0603CST  01101.05       9 BLTMMDCH   /BLTMMDHM   /D-/DF15IE      /1611   BC    3L
BLTMMDED    4TM0310AAA  01101.05      12 BLTMMDCH   /BLTMMDHM   /D-/DF15IE      /1910   BC    3L
BLTMMDED    ERM0603CST  01101.05      14 BLTMMDCH   /BLTMMDHM   /D-/DF15IE      /1910   BC    3L
STLSMO21    ERM0603CAB  0000.00        1 BLVLIL8105T/STLSMO0914T/-M/CF41IT       / 145   BC    3L
STLSMO09    DXS0220ARA  0000.02      111 BLVLIL8105T/STLSMO0914T/-M/CF41IT       / 145   BC    3L
E1AMBLY     SFPD111@AA                3 E1AMBLY    /STLSMO01   /M-/DF55IE      /0203   BC    3L
E1AMBLY     VRPD111@AA                1 E1AMBLY    /STLSMO01   /M-/DF55IE      /0203   BC    3L
E1AMBLY     SFM0400ARE  1111.12       1 E1AMBLY    /STLSMO01   /M-/DF55IE      /0203   BC    3L
E1AMBLY     4TM0320ARA  1111.10       2 E1AMBLY    /STLSMO01   /M-/DF55IE      /0203   BC    3L
E1AMBLY     ERM0601CRU  1545.47       1 E1AMBLY    /STLSMO01   /M-/DF55IE      /0203   BC    3L
E1AMBLY     VRM4A11ARE  1111.01       1 E1AMBLY    /STLSMO01   /M-/DF55IE      /0203   BC    3L
E1AMBLY     SFM0F00CRU  2222.03       1 E1AMBLY    /STLSMO01   /M-/DF55IE      /0203   BC    3L
E1AMBLY     SCLE545ARG  1111.09       1 E1AMBLY    /STLSMO01   /M-/DF55IE      /0203   BC    3L
E1AMBLY     PDM4P00CRA  1111.02       3 E1AMBLY    /STLSMO01   /M-/DF55IE      /0203   BC    3L
E1AMBLY     PDM4P00CRA  1111.03       1 E1AMBLY    /STLSMO01   /M-/DF55IE      /0203   BC    3L
E1AMBLY     VRMA420ARA  2222.02       1 E1AMBLY    /STLSMO01   /M-/DF55IE      /0203   BC    3L
E1AMBLY     DXT0720ARA  1111.02       1 E1AMBLY    /STLSMO01   /M-/DF55IE      /0203   BC    3L
E1AMBLY     ESM0314BRA  1111.11       3 E1AMBLY    /STLSMO01   /M-/DF55IE      /0203   BC    3L
E1AMBLY     SFM0430ARA  1111.01       1 E1AMBLY    /STLSMO01   /M-/DF55IE      /0203   BC    3L
E1AMBLY     VFJ2210ARA  2222.01       1 E1AMBLY    /STLSMO01   /M-/DF55IE      /0203   BC    3L
E1AMBLY     VFJ6530CRA  2222.04       1 E1AMBLY    /STLSMO01   /M-/DF55IE      /0203   BC    3L
SMVLNJMT    ERM0603CST  0011.14      70 PISCNJMT   /SMVLNJMT   /M-/DF55IEJANE  /9002   BC    3L
SMVLNJMT    ERM0603CST  0011.14      78 PISCNJMT   /SMVLNJMT   /M-/DF55IEJANE  /9003   BC    3L
PISCNJMT    4T90100CAA  0011.28      17 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    ERM0603CST  0011.14      95 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    DLC2120BAB  0011.34      06 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    ZC80000BAA  0011.32      04 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    PLR0000ARA  0011.38      04 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    4TM0322ARH  0011.4       06 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    DLOE222ASC  0011.13      05 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    ERM06DCCRA  0011.26      11 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    VRMM200AAC  0011.33      04 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    BR44000ARA  0011.31      08 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    DLSE234ARB  0011.11      08 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    DLC2220BRA  0011.35      04 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    DLC2150BSA  0011.6       05 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    4T60100CRA  0011.29      05 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    DXT0420ARU  0011.27      06 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    RC12G11HRH  0011.30      04 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    PLM0300BRC  0011.39      04 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    VRMA410ATO  0011.5       17 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    MTM2124ARA  0011.24      04 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    MTM1200ARF  0011.23      13 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    ERM0604CRA  0011.36      03 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    VRM2C24AAA  0011.10      13 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L
PISCNJMT    PDM4P00CRA  0011.7       04 PISCNJMT   /SMVLNJMT   /M-/DF55IENONCOIN/0001  BC    3L

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```

Figure 500-7. Error Report - Equipment Identification: TS-3ERR

500.4.4 YDTS501 Audit Report: TS-EDP

The first page, Multiple Processing Information, is always printed and will reveal the following conditions:

1. More than one header, for merged CPU sites, on an input file.
2. Each file has one header, one CPU site, and there is a date mismatch.
3. Header dates are more than the acceptable limit of 7 days apart.
4. Duplicate header date, file name, CPU ID.
5. Mismatch of CPU sites amount the input file names, i.e., missing files.

The following items are for verifying the accuracy and completeness of the process:

CKT Equipment Details Records, Read, Accepted, and Rejected
The count of Circuit Equipment Details records read should match the count of records written by YDTS240.

Circuit Facility Length Records Read
The counts of Circuit header records, Facility Unit records, and Facility Normalized records read, as well as a total of all records read, should match the count of records written by YDTS300.

DRP DRDD Table Initially Loaded On
This should be the date the DRDD Table was copied from the TIRKS system.

DRP DRDD Table Last Updated On
This should be the date the last YDTS110 process was executed.

DRP DRDD Table Generation Number
This is the specific version of the current DRDD Table used for this execution of YDTS500.

DRP DRDD Group Codes Read
This should match the number of Group Codes in the current DRDD Table.

DRP DRDD Table Records Read
This should match the number of table records in the current DRDD Table.

EXCHG Table Last Updated On
This should be the date this particular version of the current EXCHG table was last update via the TDIS On-Line Table Update Facility.

EXCHG Table Generation Number
This is the specific version of the current EXCHG table used for this execution of YDTS500.

EXCHG Table Record Count
This should match the number of table records in the current EXCHG table.

GRPCODE Table Last Updated On

This should be the date this version of the GRPCODE table was last update via the TDIS On-Line Table Update Facility.

GRPCODE Table Generation Number

This is the specific version of the current GRPCODE table used for this execution of YDTS500.

GRPCODE Table Record Count

This should match the number of table records in the current GRPCODE table.

TIEXCPT Table Last Updated On

This should be the date this particular version of the current TIEXCPT table was last update via the TDIS On-Line Table Update Facility.

TIEXCPT Table Generation Number

This is the specific version of the current TIEXCPT table used for this execution of YDTS500.

TIEXCPT Table Record Count

This should match the number of table records in the current TIEXCPT table.

CKT Equipment Details Records Written

The number of Equipment details records written to the MEQPDTLS file. This number should be twice the number of the accepted count of Equipment Details Records read.

Circuit Facility Length Records Written

The number of circuit header records, Facility Unit records, and Facility normalized records written as well as a total of all records written should match the number of records read by YDTS501.

Report TS-PQ01 Pages Written

The number of pages written to the TS-PQ01 report.

Circuit Equipment Termination Information

Information on records rejected and written for circuit equipment termination..

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                  RUN FOLDER: YDTS500
REPORT: TS-EDP                                                                    PROGRAM: YDTS501     R-7.0
CONTROL DATE: 05/10/97                                                            RUN DATE:  05/15/97  13:07:53
                                        EDP PROGRAM SUMMARY AND AUDIT REPORT      PAGE:         1
                                  EQUIPMENT DETAILS PLACEMENT / DR CLASS CODE GENERATION
                          REPORT SELECTION PARM: "Y"   THRESHOLD CNT: "        999999" & EO GRPCODE: "I
                                       MULTICPU PROCESSING INFORMATION

FILENAME  CPU  DS  DATE
--------  ---  -- ------
MCDFAC  : CB      051097
CEQPDTLS: CB   T  051097

          FILENAME CPU DS  DATE
          -------- --- -- ------
MAX DATE: MCDFAC   CB     051097
MIN DATE: MCDFAC   CB     051097
DIFF DAYS:                     0

                            CKT EQUIPMENT DETAILS RECORDS: READ                        =       6,352
                                                           ACCEPTED                    =       6,230
                                                           REJECTED                    =         122

                            CIRCUIT FACILITY LENGTH RECORDS READ:     CKT HEADER    (1)  =      20,515
                                                                      FACILITY UNIT (2)  =       7,481
                                                                      FACILITY NORM (3)  =       2,968
                                                                      TOTAL              =      30,964

                            DRP DRDD TABLE INITIALLY LOADED ON                              09/08/93
                            DRP DRDD TABLE LAST UPDATED ON                                  08/10/95
                            DRP DRDD TABLE GENERATION NUMBER                                G0001V00
                            DRP DRDD GROUP CODES READ                                  =          8
                            DRP DRDD TABLE RECORDS READ                                =        262

                            EXCHG    TABLE LAST UPDATED ON                                  05/14/97
                            EXCHG    TABLE GENERATION NUMBER                                G0002V00
                            EXCHG    TABLE RECORD COUNT                                =         53

                            GRPCODE  TABLE LAST UPDATED ON                                  02/24/95
                            GRPCODE  TABLE GENERATION NUMBER                                G0001V00
                            GRPCODE  TABLE RECORD COUNT                                =          9

                            TIEXCPT  TABLE LAST UPDATED ON                                  07/26/93
                            TIEXCPT  TABLE GENERATION NUMBER                                G0001V00
                            TIEXCPT  TABLE RECORD COUNT                                =          2

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```

Figure 500-8. Audit Report for YDTS501: TS-EDP (INPUT COUNTS)

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                    RUN FOLDER: YDTS500
REPORT: TS-EDP                                                                      PROGRAM: YDTS501     R-7.0
CONTROL DATE: 05/10/97                                                              RUN DATE:  05/15/97  13:07:53
                                EDP PROGRAM SUMMARY AND AUDIT REPORT                PAGE:         2
                            EQUIPMENT DETAILS PLACEMENT / DR CLASS CODE GENERATION
                    REPORT SELECTION PARM: "Y"   THRESHOLD CNT: "        999999" & EO GRPCODE: "I

      DRP EQUIPMENT DETAILS RECORDS WRITTEN                          =      12,460

      CIRCUIT FACILITY LENGTH RECORDS WRITTEN:  CKT HEADER    (1)  =      20,515
                                                FACILITY UNIT (2)  =       7,481
                                                FACILITY NORM (3)  =       2,968
                                                TOTAL              =      30,964

      REPORT TS-PQ01 PAGES WRITTEN                                   =          81

          CIRCUIT EQUIPMENT TERMINATION INFORMATION :

             MULTIPOINT CIRCUIT SEGMENTS EXAMINED                    =           0
                TERMINATIONS ON SEGMENTED CIRCUITS                   =           0

             TERMINATION INFORMATION RECORDS WRITTEN                 =           0

             RECORDS REJECTED AND WRITTEN :
                UNIDENTIFIED LATA CODE OCCURRENCES DISCARDED         =       4,319
                UNIDENTIFIED OWNERSHIP - BCC DEFAULTED               =           0
                EXCLUDED EQPT ECNS                                   =           0
                EXCLUDED DI-GRP ECNS                                 =           0
                INTERLATA CIRCUITS DISCARDED                         =           0
                TOTAL ERROR RECORDS WRITTEN                          =       4,319

             RECORDS REJECTED :
                INDEPENDENT CHANNEL BANK TERMINATIONS EXCLUDED       =           0
                AT&T CHANNEL BANK TERMINATIONS EXCLUDED              =           0
                TOTAL INDEPENDENT BRIDGE LOCATIONS EXCLUDED          =           0
                AT&T DR CKT TYPES                                    =           0

                                        PROPRIETARY
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```

Figure 500-9. Audit Report for YDTS501: TS-EDP (OUTPUT COUNTS)

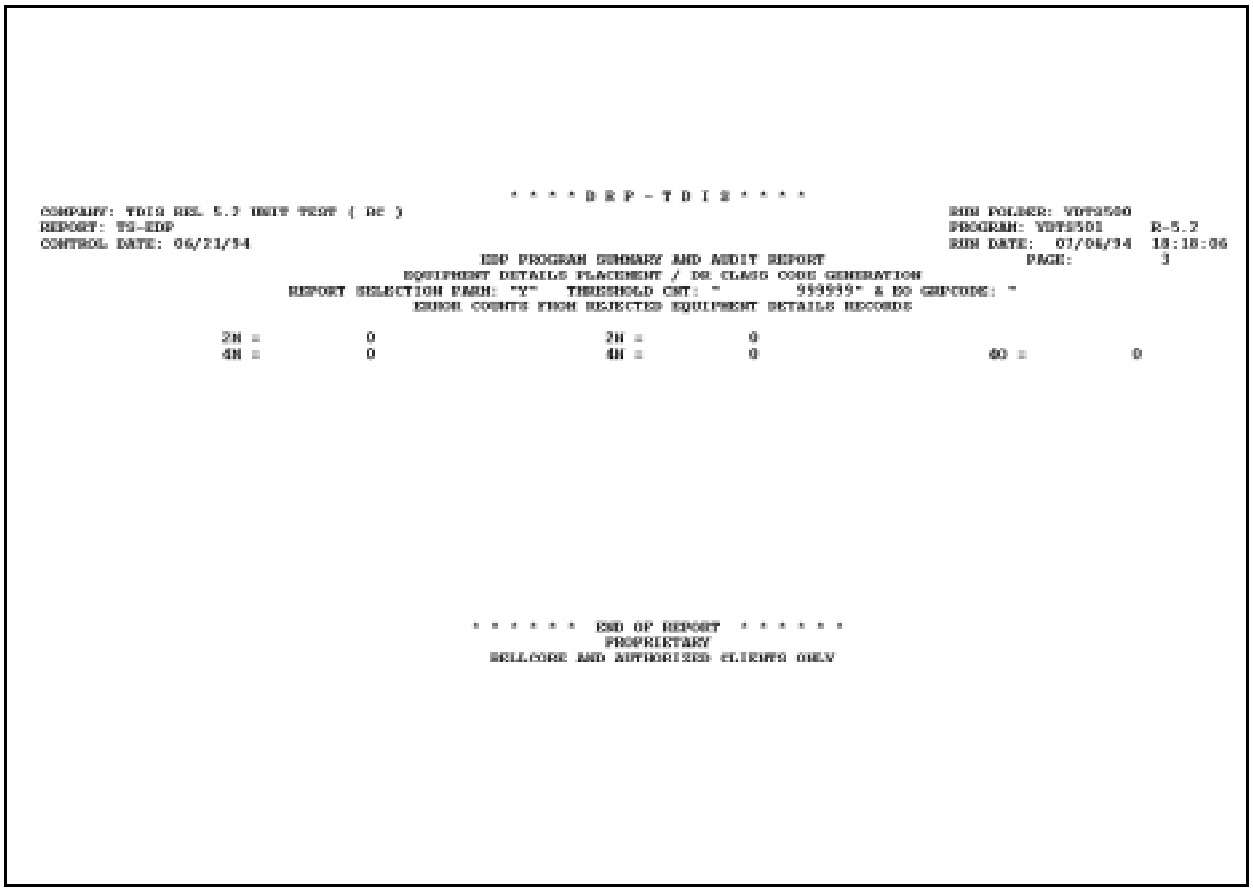

Figure 500-10. Audit Report for YDTS501: TS-EDP (Page 3)

The last page of the EDP report (Figure 500-10) provides an error count from rejected equipment details records by individual error/warning message code.

YDTS505 Reports

500.4.5 Equipment Hierarchy Report: TS-HIER

This report illustrates the equipment hierarchy as derived from the equipment database. The chaining information is used during the equipment normalization process. Higher-level equipment units are on the left, while the equipment supplying the usage is on the right. This report can be used to translate to a hierarchical tree structure for an equipment unit record.

* * * * D R P – T D I S * * * *

COMPANY: TDIS REL 5.0 TEST (BC)
REPORT: TS-HIER
CONTROL DATE: 08/04/92

RUN FOLDER: YDTS5000
PROGRAM: YDTS505 R-5.0
RUN DATE: 01/05/93 15:37:17
PAGE: 1

EQUIPMENT HIERARCHY REPORT

LEVEL	EQUIPMENT IDENTIFICATION	HASH	LEVEL	EQUIPMENT IDENTIFICATION			HASH
9	PISCNJMTK21T3MAT002RA01102.03	1	5	PISCNJMTK21T3MAF002RA01102.03	1A		5671
			7	PISCNJMTK21T3MAF002RA01102.03	1B		5672
9	SMVLNJMTK11T3MAT002RA22013.05	1	5	SMVLNJMTK11T3MAF002RA22013.05	1A		10110
			7	SMVLNJMTK11T3MAF002RA22013.05	1B		10111
9	WASHDCDT T3MAT002RA00001.01	1	5	WASHDCDT T3MAF002RA00001.01	1A		13730
			7	WASHDCDT T3MAF002RA00001.01	1B		13731
9	WASHDCMO T3MAT002RA00001.001	1	5	WASHDCMO T3MAF002RA00001.001	1A		16454
			7	WASHDCMO T3MAF002RA00001.001	1B		16455
9	PISCNJMTK21T3MAT002RA01102.03	1	8	PISCNJMTK21T3MAF002RA01102.03		23	5670
9	SMVLNJMTK11T3MAT002RA22013.05	1	8	SMVLNJMTK11T3MAF002RA22013.05		23	10109
9	WASHDCDT T3MAT002RA00001.01	1	8	WASHDCDT T3MAF002RA00001.01		23	13729
9	WASHDCMO T3MAT002RA00001.001	1	8	WASHDCMO T3MAF002RA00001.001		23	16453
8	PISCNJMTK21T3MAF002RA01102.03	23	5	PISCNJMTK21T3MAF002RA01102.03	4A		5673
			7	PISCNJMTK21T3MAF002RA01102.03	4B		5674
8	SMVLNJMTK11T3MAF002RA22013.05	23	5	SMVLNJMTK11T3MAF002RA22013.05	4A		10112
8	WASHDCDT T3MAF002RA00001.01	23	5	WASHDCDT T3MAF002RA00001.01	4A		13732
			7	WASHDCDT T3MAF002RA00001.01	4B		13733
8	WASHDCMO T3MAF002RA00001.001	23	5	WASHDCMO T3MAF002RA00001.001	4A		16456
			7	WASHDCMO T3MAF002RA00001.001	4B		16457
8	WASHDCSWK41T3MAS002RAE0001.01	1	7	WASHDCSWK41T3MAR002RAE0001.01		1	16970
8	WASHDCSWK41T3MAS002RAE0001.02	1	7	WASHDCSWK41T3MAR002RAE0001.02		1	16971
8	PISCNJMTK22T3MAT002RA1122.01	1	7	PISCNJMTK22T3MAR002RA1122.01		12	6977
8	SMVLNJMTK22T3MAT002RA2233.01	1	7	SMVLNJMTK22T3MAR002RA2233.01		12	11416
8	PISCNJMTK22T3MAT002RA1122.01	1	7	PISCNJMTK22T3MAR002RA1122.01		3	6974
8	SMVLNJMTK22T3MAT002RA2233.01	1	7	SMVLNJMTK22T3MAR002RA2233.01		3	11413
8	PISCNJMTK22T3MAT002RA1122.01	1	7	PISCNJMTK22T3MAR002RA1122.01		6	6975
8	SMVLNJMTK22T3MAT002RA2233.01	1	7	SMVLNJMTK22T3MAR002RA2233.01		6	11414

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Figure 500-11. Equipment Hierarchy Report: TS-HIER

500.4.6 Equipment Unit Error Report - TS-EQPU

This report indicates equipment units that were identified as non-restricted; however, they were really spare.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                                 RUN FOLDER: YDTS5000
REPORT: TS-EQPU                                                                                      PROGRAM: YDTS505     R-5.0
CONTROL DATE: 08/04/92                                                                               RUN DATE:  01/05/93  15:37:17
                                                EQUIP UNIT ERROR REPORT                              PAGE:          1
 EQUIPMENT ID
 LOCATION   HECI          RELAY RACK     CPU
 --------   ----          ----------     ----
 BLTMMDDT   M3MPA0A1RA222.02        11 BC
 BLTMMDDT   M3MPA0A1RA222.02        12 BC
 BLTMMDDT   M3MPA0A1RA222.02        16 BC
 BLTMMDDT   M3MPA0A1RA222.02        17 BC
 BLTMMDDT   M3MPA0C1RA222.02         2 BC
 BLTMMDDT   M3MPA0T1RA222.02       131 BC
 BLTMMDDT   M3MPA0T1RA222.02       132 BC
 BLTMMDDT   M3MPA0T1RA222.02       133 BC
 BLTMMDDT   M3MPA0T1RA222.02       134 BC
 BLTMMDDT   M3MPA0T1RA222.02       141 BC
 BLTMMDDT   M3MPA0T1RA222.02       142 BC
 BLTMMDDT   M3MPA0T1RA222.02       143 BC
 BLTMMDDT   M3MPA0T1RA222.02       144 BC
 BLTMMDDT   M3MPA0T1RA222.02       151 BC
 BLTMMDDT   M3MPA0T1RA222.02       152 BC
 BLTMMDDT   M3MPA0T1RA222.02       153 BC
 BLTMMDDT   M3MPA0T1RA222.02       154 BC
 BLTMMDDT   M3MPA0T1RA222.02    131A   BC
 BLTMMDDT   M3MPA0T1RA222.02    132A   BC
 BLTMMDDT   M3MPA0T1RA222.02    133A   BC
 BLTMMDDT   M3MPA0T1RA222.02    134A   BC
 BLTMMDDT   M3MPA0T1RA222.02    141A   BC
 BLTMMDDT   M3MPA0T1RA222.02    142A   BC
 BLTMMDDT   M3MPA0T1RA222.02    143A   BC
 BLTMMDDT   M3MPA0T1RA222.02    144A   BC
 BLTMMDDT   M3MPA0T1RA222.02    151A   BC
 BLTMMDDT   M3MPA0T1RA222.02    152A   BC
 BLTMMDDT   M3MPA0T1RA222.02    153A   BC
 BLTMMDDT   M3MPA0T1RA222.02    154A   BC
 BLTMMDLB   M3MPA0A1RA111.01        11 BC
 BLTMMDLB   M3MPA0A1RA111.01        12 BC
 BLTMMDLB   M3MPA0A1RA111.01        16 BC
 BLTMMDLB   M3MPA0A1RA111.01        17 BC
 BLTMMDLB   M3MPA0C1RA111.01         2 BC
 BLTMMDLB   M3MPA0T1RA111.01       131 BC
 BLTMMDLB   M3MPA0T1RA111.01       132 BC
 BLTMMDLB   M3MPA0T1RA111.01       133 BC
 BLTMMDLB   M3MPA0T1RA111.01       134 BC
 BLTMMDLB   M3MPA0T1RA111.01       141 BC
 BLTMMDLB   M3MPA0T1RA111.01       142 BC
 BLTMMDLB   M3MPA0T1RA111.01       143 BC
 BLTMMDLB   M3MPA0T1RA111.01       144 BC
 BLTMMDLB   M3MPA0T1RA111.01       151 BC
 BLTMMDLB   M3MPA0T1RA111.01       152 BC
 BLTMMDLB   M3MPA0T1RA111.01       153 BC
 BLTMMDLB   M3MPA0T1RA111.01       154 BC
 BLTMMDLB   M3MPA0T1RA111.01    131A   BC

                                                  PROPRIETARY
                                       BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 500-12. Equipment Unit Error Report - TS-EQPU

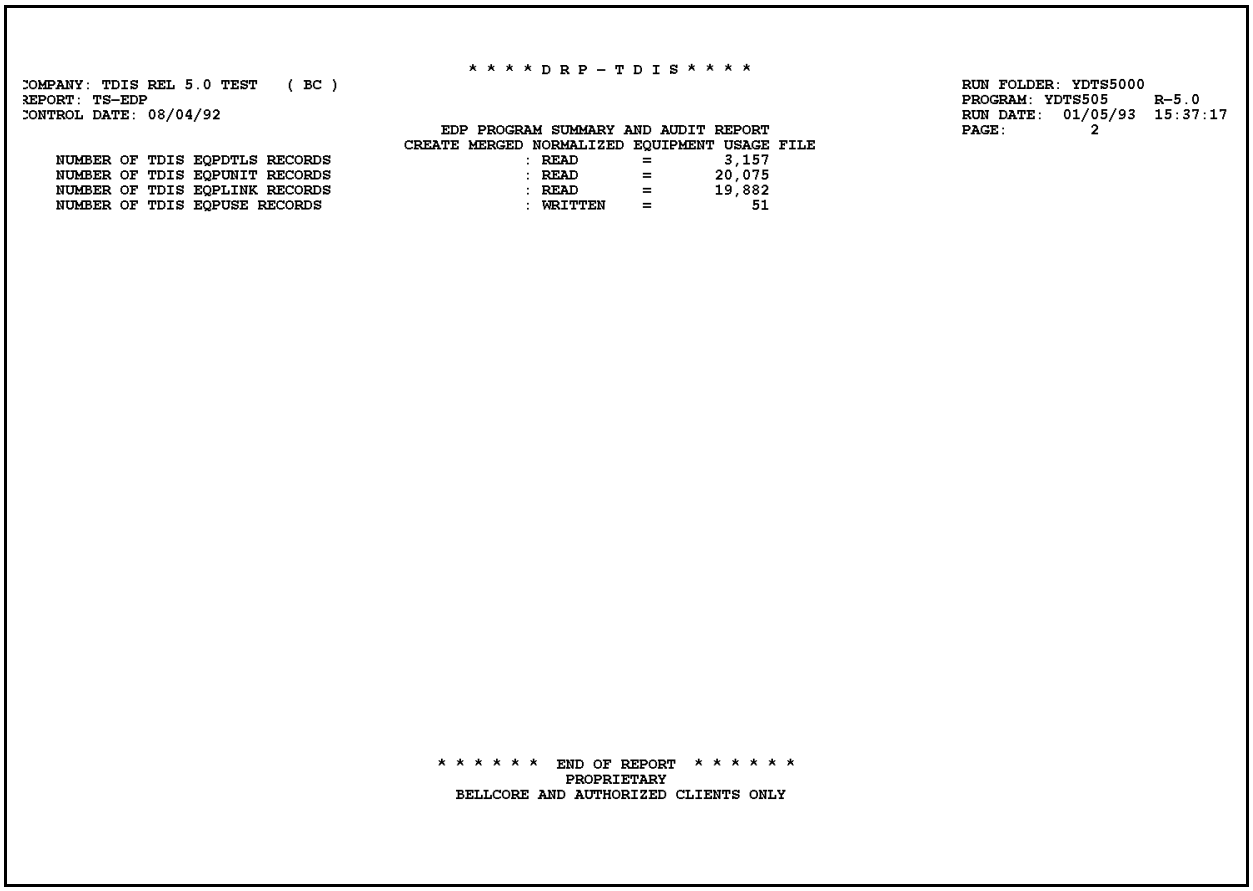
500.4.7 YDTS505 Audit Report: TS-EDP

The first page, Multiple Processing Information, is always printed and will reveal the following conditions:

1. More than one header, for merged CPU sites, on an input file.
2. Each file has one header, one CPU site, and there is a date mismatch.
3. Header dates are more than the acceptable limit of seven days apart.
4. Duplicate header date, file name, CPU ID.
5. Mismatch of CPU sites amount the input file names, i.e., missing files.

The following items are for verifying the accuracy and completeness of the process:

- Number of TDIS EQPDTLS Records Read
- Number of TDIS EQPUNIT Records Read
- Number of TDIS EQPLINK Records Read
- Number of TDIS EQPUSE Records Written.



```
                                  * * * * D R P - T D I S * * * *

COMPANY: TDIS REL 5.0 TEST    ( BC )                                  RUN FOLDER: YDTS5000
REPORT: TS-EDP                                                        PROGRAM: YDTS505     R-5.0
CONTROL DATE: 08/04/92                                                RUN DATE:  01/05/93  15:37:17
                                                                      PAGE:          2

                                    EDP PROGRAM SUMMARY AND AUDIT REPORT
                                CREATE MERGED NORMALIZED EQUIPMENT USAGE FILE

    NUMBER OF TDIS EQPDTLS RECORDS          : READ       =         3,157
    NUMBER OF TDIS EQPUNIT RECORDS          : READ       =        20,075
    NUMBER OF TDIS EQPLINK RECORDS          : READ       =        19,882
    NUMBER OF TDIS EQPUSE RECORDS           : WRITTEN    =            51




                                * * * * * *  END OF REPORT  * * * * * *
                                          PROPRIETARY
                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 500-13. Audit Report for YDTS505: TS-EDP

500.5 Abnormal Termination

The following condition codes will result in termination of the process:

Condition Code 2007
This condition code occurs if a file is missing a header record.

Condition Code 2009
This condition code occurs if any of the input header data dates differ by 8 or more days, or if there are duplicate or missing headers.

Condition Code 2010
This condition code occurs if an abnormal condition code, anything except a successful read or record not found, is returned from a DRDD Table read attempt.

Condition Code 2011
This condition code occurs if an internal table limit is exceeded during processing.

Condition Code 2012
This condition code occurs if an invalid report selection parameter, other than zero or one, has been input on the transmittal form.

Condition Code 2017
This condition code indicated an invalid TDIS file.

Condition Code 2027
This condition code occurs if too many equipment subdivisions are assigned to nonexistent circuits. This may indicate that the user has input too low a THRHLD value on the transmittal form.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE
The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

510. YDTS510 - Accumulate DR Class Code Counts on Merged Equipment Summary Data

510.1 General Description

This procedure uses the merged DRP Equipment summary file and appends usage information by DR Class Code onto the merged Equipment Summary records. The output of this process is the Merged Equipment Summary File (MEQPSUM), which is used in CES. The DRP Equipment summary file from the YDTSU04 process and the Merged Equipment Details file and the Merged Equipment Usage file from YDTS500 are inputs to this process.

The DRP Equipment summary file(s) from one or more processors is merged into a single file by the YDTSU04 process and used to drive the YDTS510 program.

The YDTS510 process develops the DR Class Code counts for each equipment complement in the Merged Equipment Summary File. Equipment Subdivisions are summed together by Location, HECI, and Relay Rack and Divested Administrator. The Merged Equipment Usage File, which represents the usage on unassignable equipment units, contributes to the aggregated usage on the Merged Equipment Summary File (MEQPSUM). Both non-normalized and normalized usage are accumulated. The principal steps of this process are as follows:

1. Match Equipment Summary Record (complement) with the Merged Equipment Details File or with the Merged Equipment Usage File. A match is obtained on the Location, HECI, and Relay Rack and Divested Administrator.
2. If a match is found in Step 1, accumulate the usage on like class codes present on the matching records. The counts are ratioed to equal one on the normalized records. Multiple records are created if the number of class codes present exceeds 25.
3. If no match is found, then the Equipment Summary Record is output without class codes.

> **NOTE —** A Location, HECI, or Relay Rack and Divested Administrator present in either the Merged Equipment Details File or in the Merged Equipment Usage File must be present in the Equipment Summary File. Should the above fail to be true, the procedure will abend with a 2033 error. However, the reverse is not true.

510.2 Program Flow Diagram

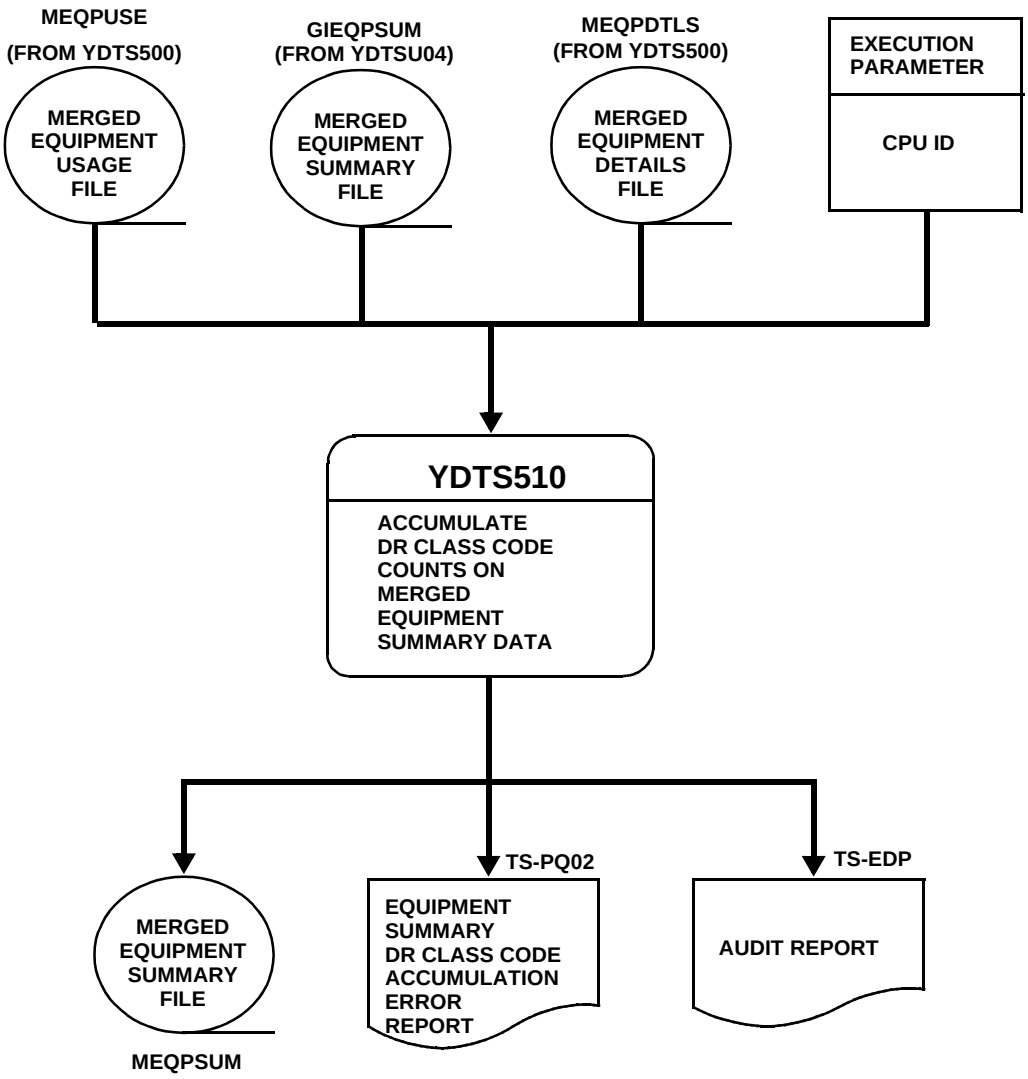


Figure 510-1. YDTS510 Program Flow Diagram

510.3 Inputs

510.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date the process is to be executed.
2. RUN SEQUENCING REQUIREMENTS - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B contains job sequencing requirements.
3. EXECUTION PARAMETER
   CPU ID - This value is defined by each company. Appendix A contains valid entries.
4. RECIPIENT OF OUTPUT - Name and address of the person(s) to whom the completed reports are to be delivered.

There are no user options associated with the YDTS510 process.

510.4 Outputs

510.4.1 Equipment Summary DR Class Code Count Accumulation Error Report - Data Analysis Information: TS-PQ02

Data will be displayed on this report *only* if the class code accumulation process produces more than 60 utilization records (message code 3J) for an equipment complement.

This data represents utilization records that are NOT included in the DRP Equipment Summary file. Data items are as follows:

- Equipment identification for the first record of an equipment complement
- Divested Administrator
- DR Class Code and Subdivision Count.

There are no message codes printed on the report, but 3J applies to each data item listed.

```
                                         * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                                  RUN FOLDER: YDTS5100
REPORT: TS-PQ02                                                                                      PROGRAM: YDTS510     R-5.0
CONTROL DATE: 08/04/92                                                                               RUN DATE:  01/15/93  13:13:05
                                              EQUIPMENT ERROR REPORT                                 PAGE:          1
 EQUIPMENT ID
 LOCATION     HECI         RELAY RACK       DIVESTED ADMIN
 --------     ----         ----------       --------------

                                         NO DATA SELECTED FOR REPORT.




                                     * * * * * *  END OF REPORT  * * * * * *
                                                  PROPRIETARY
                                       BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 510-2. Equipment Summary DR Class Code Count Accumulation Error Report: TS-PQ02 (Processing Summary Page)

510.4.2 Audit Report: TS-EDP

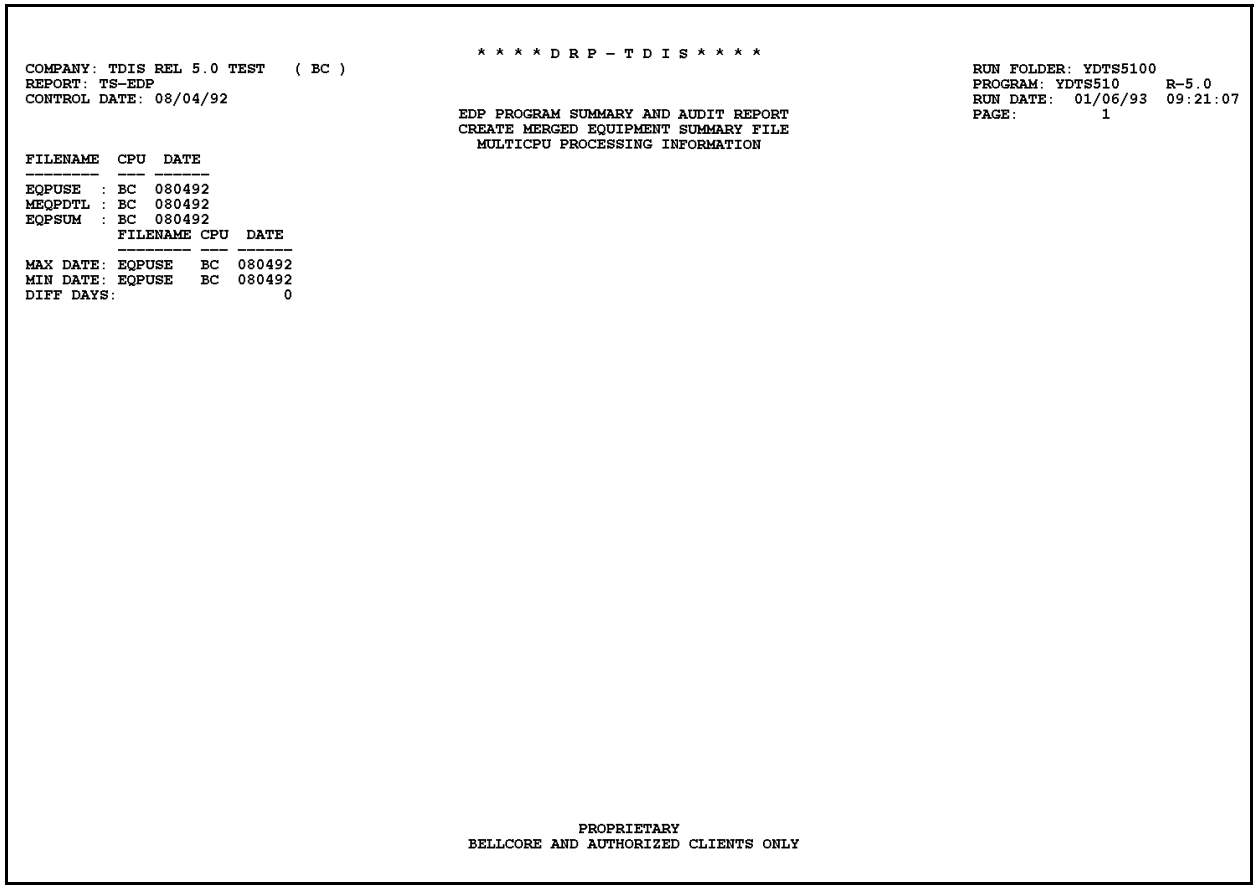
The first page, Multiple Processing Information, is only printed if there is a mismatch among the input files. The conditions that would cause this page to be generated are as follows:

- More than one header with the same CPU, for merged CPU sites, on an input file
- Duplicate Headers
- Each file has one header and one CPU site, but there is a control date mismatch
- For merged multiple CPUs, a file is missing. For example, the summary file was left out because the detail file for a CPU was found.

> **NOTE —** Merged files are allowed a plus or minus 7-day span before the program aborts. This applies to *all* merge processes.

The TS-EDP report, from the YDTS510 program, also summarizes the input and output activity. The major items and checks that should be made are

- **Report TS-PQ02 Pages Written**
  This should equal the number of pages received.



```
                                        * * * * D R P - T D I S * * * *

COMPANY: TDIS REL 5.0 TEST   ( BC )                                          RUN FOLDER: YDTS5100
REPORT: TS-EDP                                                               PROGRAM: YDTS510      R-5.0
CONTROL DATE: 08/04/92                                                       RUN DATE:  01/06/93  09:21:07
                                                                             PAGE:         1
                                        EDP PROGRAM SUMMARY AND AUDIT REPORT
                                        CREATE MERGED EQUIPMENT SUMMARY FILE
                                          MULTICPU PROCESSING INFORMATION

FILENAME  CPU  DATE
--------  --- ------
EQPUSE  : BC  080492
MEQPDTL : BC  080492
EQPSUM  : BC  080492
          FILENAME CPU  DATE
          -------- --- ------
MAX DATE: EQPUSE   BC  080492
MIN DATE: EQPUSE   BC  080492
DIFF DAYS:                 0

                                                PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 510-3. Audit Report for YDTS510: TS-EDP - Equipment Summary DR Class Code Accumulation (Multi-CPU Processing Information)

```
                                        * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST    ( BC )                                          RUN FOLDER: YDTS5100
REPORT: TS-EDP                                                                PROGRAM: YDTS510      R-5.0
CONTROL DATE: 08/04/92                                                        RUN DATE:  01/06/93  09:21:07
                                      EDP PROGRAM SUMMARY AND AUDIT REPORT    PAGE:         2
                                      CREATE MERGED EQUIPMENT SUMMARY FILE

    NUMBER OF TDIS EQUIPMENT SUMMARY HEADER RECORDS READ: =                5,545
    NUMBER OF TDIS EQUIPMENT SUMMARY OWNER + USAGE READ:  =                5,558
    TOTAL NUMBER OF TDIS EQUIPMENT SUMMARY RECORDS READ:  =               11,103

    NUMBER OF TDIS EQUIPMENT DETAILS TYPE1 RECORDS READ:  =                1,657
    NUMBER OF TDIS EQUIPMENT DETAILS TYPE2 RECORDS READ:  =                1,657
    TOTAL NUMBER OF TDIS EQUIPMENT DETAILS RECORDS READ:  =                3,314

    NUMBER OF TDIS EQUIPMENT USAGE RECORDS READ        :  =                   77

    NUMBER OF TDIS EQUIP SUMMARY TYPE1 RECORDS WRITTEN:   =                5,545
    NUMBER OF TDIS EQUIP SUMMARY TYPE2 RECORDS WRITTEN:   =                5,509
    NUMBER OF TDIS EQUIP SUMMARY TYPE3 RECORDS WRITTEN:   =                5,558
    TOTAL NUMBER OF TDIS EQUIP SUMMARY RECORDS WRITTEN:   =               16,612
                              REPORT TS-PQ02 PAGES WRITTEN
                                                          =                   1

                                                 * * * * * *  END OF REPORT  * * * * * *
                                                              PROPRIETARY
                                                   BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 510-4. Audit Report for YDTS510: TS-EDP - Equipment Summary DR Class Code Accumulation Statistics

510.5 Abnormal Termination

The following conditions could result in termination of the process:

Condition Code 2007 - No Header Record Found on Filename

This condition code occurs if a file is missing a header record.

Condition Code 2009 - Invalid Header Record Found on Filename

This condition code occurs if any of the input header data dates differ by 8 or more days, or if there are duplicate or missing headers.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE

The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

Condition Code 2033 - Error Encountered while adjusting DRP Counts in the DRP Equipment Summary File

This condition code occurs if a DRP Equipment Details record is found that cannot be matched to an Equipment Complement based on the Equipment Identification data or that cannot be matched to any Divested Administrator recorded on the DRP Equipment Summary file for the corresponding complement.

511. YDTS511 - Generate Equipment Utilization Reports

511.1 General Description

This procedure provides the personnel responsible for CES with various reports to evaluate the data before initiating the study.

The reports reveal the percentage of Category 8 dollars that will be spread in the study and evaluate the TIRKS and TDIS ECN codes to determine if additional translations or corrections are required. This report will list data accurately for Term & Sig because channel assignments for carrier are currently developed from FACSUM. However, with normalized data, this will change.

A review of the ECN codes received from TIRKS and the TDIS system generated codes will indicate if the data being received is correct for the study or if additional table corrections are required. If the codes are not correct, updates must be made to the TDIS HECIG to ECN table via the on-line tables. It should be noted that the HECIG to ECN mapping is only applicable to the TIRKS ECNs that begin with ‘‘8’’. After the tables have been updated, it will be necessary to reprocess YDTS500 and YDTS510 to develop correct data for CES.

The reports are sorted first by study area and then by TDIS ECN, TIRKS ECN, and the eight characters of the eleven-character HECIG code. A separate report is generated for each study area for ease in data evaluation and corrective action.

511.2 Program Flow Diagram

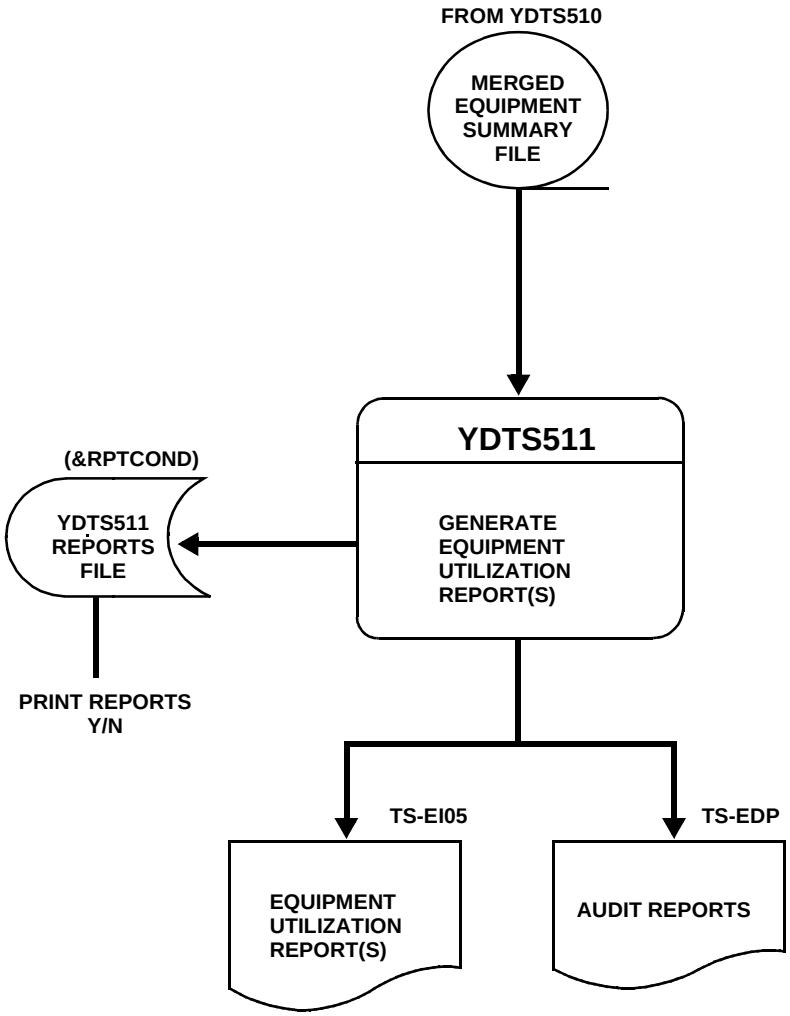


Figure 511-1. YDTS511 Program Flow Diagram

511.3 Inputs

511.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date when the process is to be executed.
2. RUN SEQUENCING REQUIREMENTS - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B provides job sequencing requirements.
3. RPTCOND - Reports are always written to a tape file, but whether they are printed depends on the setting of RPTCOND. Set to ‘‘even’’ to print reports. Set to {O,LE) to bypass report printing.
4. RECIPIENT OF OUTPUT - Name and address of the person(s) to whom the completed reports are to be delivered.

There are no user options associated with this procedure.

511.4 Outputs

511.4.1 Equipment Utilization Report (Data Analysis Information): TS-IE05

This report reveals the level of use by ECN/HECIG code. The major use of this report is to determine if

- The existing assignment of the TDIS ECN is correct for CES.
- The TIRKS ECN codes reassigned as 800TS by TDIS should be assigned an ECN code in the range of 801-899 or other ECN, if it is appropriate..

Just because TDIS assigns an ECN code of 800TS, the tables may not necessarily need to be changed. For example, the case of ECN 999. In the Plug-in Inventory Control System (PICS), the meaning of 999 ECN is a minor cost item and is spread to all ECNs. In TIRKS, the ECN of 999 has a dual meaning, the first being the same as PICS. Items like pad mountings fall into this category. The second meaning in TIRKS, 999 ECN, was plugged in to get past the requirement of having an ECN code. This may also relate to ECN 008 in PICS. Therefore, if it is determined that a TIRKS ECN of 999 or other is translated at 800TS, by default, and the unit is a minor cost item, then no action is required.

This data analysis is not normally performed by the TDIS user; the reports should be referred to the CES system administrator.

Therefore, for the TDIS user, only the report content is included in this section. Appendix E provides details regarding the assignment of ECN codes.

Data will be displayed on the report as follows:

The header of the report will contain

- In the upper left-hand corner: company name, report name, and create date.
- In the upper right-hand corner: the run folder, program name/current TDIS release number, and actual run date. The TDIS release number will indicate when this process was last revised. Refer to the current SRD to validate this data.

The body of the report will provide the total units, total working, total spare ratio, total jumpered, and total bulk assigned units in the complement. Under the column of ‘‘UTIL TOTAL SPARE SUBDIVISION’’, the ratio of the spare count is divided by the total in the complement. This is an indicator of how much spare equipment is available and how many dollars are spread in the study.

```
                                    * * * B I S - D R P  - T D I S * * *

 COMPANY:  BASE - RELEASE 7.0 ENVIRONMENT  (CB)                                                    RUN FOLDER: YDTS5110
 REPORT:  TS-IE05                                                                                  PROGRAM: YDTS511   R-5.0
 CREATE DATE: 03/24/97                                                                             DATE: 05/05/97
 STATE: AL                                        EQUIPMENT UTILIZATION REPORT

                TDIS   TIRKS   HECI       UTIL         UTIL         UTIL          UTIL
                ECN     ECN               TOTAL        TOTAL        TOTAL     TOTAL WORKING
                                                      WORKING       SPARE     BULK ASSIGNED
                                         SUBDIVISION  SUBDIVISION  SUBDIVISION   SUBDIVISION

HECI     TOTAL         842    ERM06DC        300
UTIL-SUB RATIO                                                      1.000

ECN-T    TOTAL         842                   300
UTIL-SUB RATIO                                                      1.000

ECN      TOTAL                               300
UTIL-SUB RATIO                                                      1.000

BOC      TOTAL                               300
UTIL-SUB RATIO                                                      1.000

                                       PROPRIETARY-BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 511-2. Equipment Utilization Report (Data Analysis Information): TS-IE05

511.4.2 Audit Report: TS-ED

This report summarizes the input and output activity of the YDTS511 process. The major items on the report and checks to be made are as follows:

- **Equipment Summary Records Read - File Header, Header, Ownership, and Utilization**
  This should correspond to the YDTS511 output numbers.
- **Total Records Read**
- **Activity Log Records Written**
  This value should always be two.

```
                                    * * *  B I S  -  D R P  -  T D I S  * * *

COMPANY:  BASE - RELEASE 7.0 ENVIRONMENT  (CB)                                  RUN FOLDER:  YDTS5110
REPORT:  TS-EDP                                                                 PROGRAM:  YDTS511   R-5.0
CREATE DATE:  03/24/97                                                          RUN DATE:  05/05/97 14.53.59
                                       EDP PROGRAM SUMMARY AND AUDIT REPORT     PAGE 1
                                       EQUIPMENT UTILIZATION REPORT PROGRAM

                          TYPE 0 FILE HEADER      RECORDS READ =          1
                          TYPE 1 EQPT HEADER      RECORDS READ =      20699
                          TYPE 2 EQPT UTILIZATION RECORDS READ =      20705
                          TYPE 3 NORMALIZED USAGE RECORDS READ =      20704

                                TOTAL RECORDS READ =      62109




                                  * * * * * *  END OF REPORT  * * * * * *


                                              PROPRIETARY
                                   BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 511-3. Audit Report: TS-EDP

511.5 Abnormal Termination

There are only two condition codes that can be generated by this process.

Condition Code 0

This indicates a successful run.

Condition Code 4

This indicates an unsuccessful run, possibly a syntax coding error or missing input file. The EDP Coordinator should be contacted for resolution.

600. YDTS600 - Generate Mileage Reports

600.1 General Description

This procedure generates mileage reports for use in the C&W Basic and Monthly studies. Information from the Merged Facility Summary File, which is the output from the YDTS300 process, is the source of the data used to generate these mileage reports.

System mileage figures are first calculated for each cable complement or carrier system. The usage of each cable complement or carrier system is determined based on the DR Class Codes of the individual circuits. Separate usage quantities are developed based on the DR Class Codes read from the TIRKS record and those derived when the DR Class Code is regenerated in the TDIS YDTS300 process.

The usage quantities, by DR Class Code, are then multiplied by the system mileage to derive the mileage by DR Class Code for the cable complement or carrier system. This mileage, by DR Class Code, is summarized to the Study Area level for all cable complements and carrier systems.

Each company may further summarize the mileage data using Mileage Report Control Tables. These tables are managed using the on-line table process. The name of the report control table to be used is included on the control card from the on-line tables.

The user is responsible for building each Report Control Table. There are no default tables provided.

600.2 Program Flow Diagram

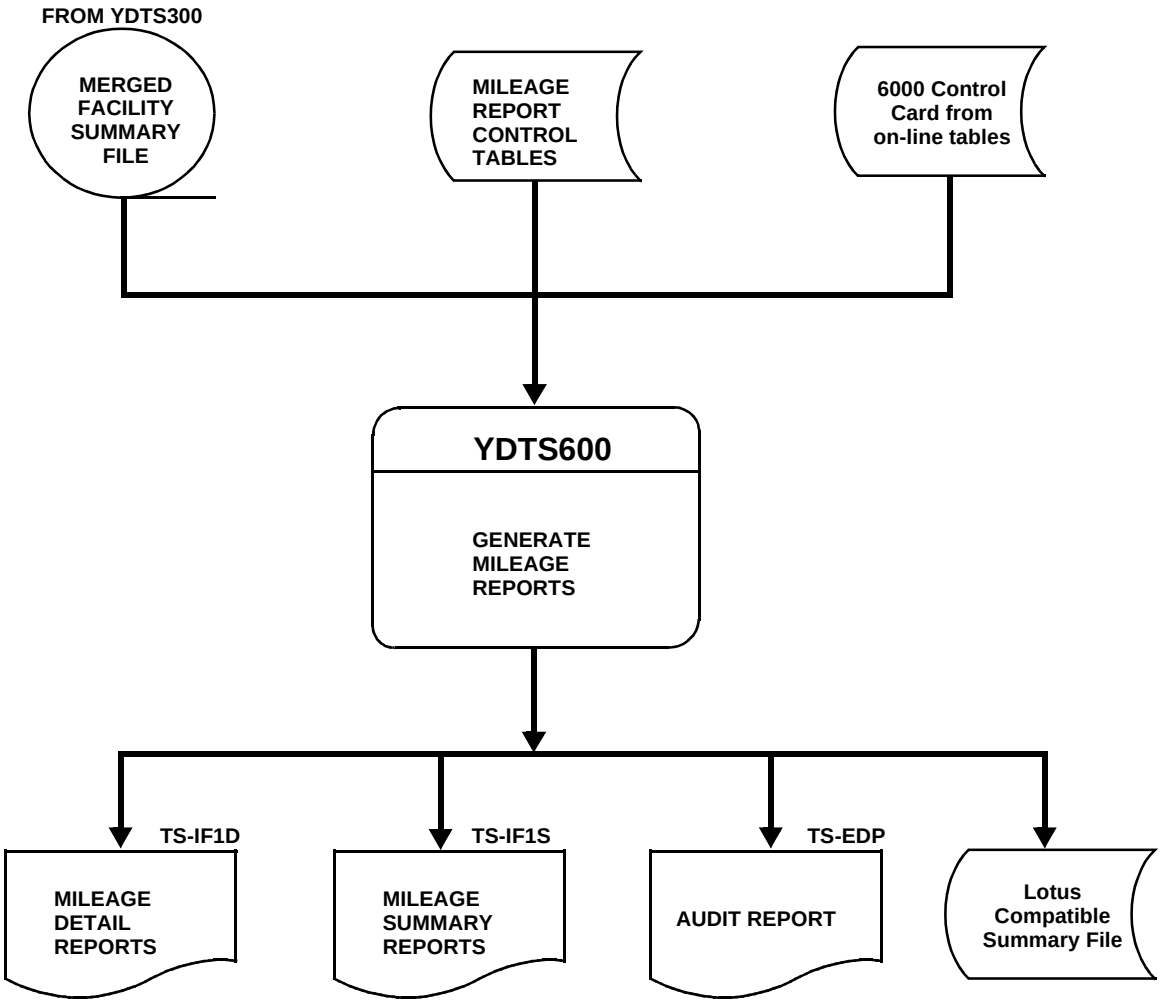


Figure 600-1. YDTS600 Program Flow Diagram

600.3 Inputs

600.3.1 Transmittal to Request the Run

The following information must be provided on the transmittal form:

1. RUN DATE - Specify the date this process is to be executed.
2. RUN SEQUENCE REQUIREMENTS - If more than one run has been requested, it is necessary to specify the order in which they are to be processed. Appendix B contains job sequencing information.
3. RECIPIENT OF OUTPUT - Name and address of person(s) to whom the processed reports are to be delivered.

> **NOTE —** Maintenance of the control card for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL).

600.3.2 Input Files

- FILE NAME - MERGED FACILITY SUMMARY FILE
- SOURCE RUN - YDTS300
- KEY FIELDS
  - — **System Miles** - Total miles as reflected on the TIRKS header record for the cable complement or carrier system.
  - — **TDIS DR Class Code** - The DR Class Code that was generated by TDIS logic contained in YDTS300. This value will be different from the TIRKS value if changes to the header records, DR Circuit Type, or the DRDD table have been made since the last TIRKS regeneration. This is the class code used for the report.

600.4 Outputs

600.4.1 Mileage Details Reports - Data Analysis: TS-IF1D

The TS-IF1D report provides the TDIS view of equivalent circuit miles based on logic calculations. Appendix A provides this logic.

A separate TS-IF1D report will be generated for each Report Control Table/Study Area/ Divested Administrator combination requested on the 600 control card. The Divested Administrator is forced to ******** in all cases. For example, if the card contains the name of one specific Report Control Table, one Divested Administrator, and five unique Study Areas, then five reports will be generated. However, if four asterisks (********) are input for the Report Control Table entry on the control card used in the example, 25 reports will be generated, (i.e., five report control tables times five study areas).

The detail report provides a separate line for each DR Class Code listed in the specific report control table regardless of the presence of associated mileage information. If no mileage exists for a particular DR Class Code, the data field will be blank.

The heading of the report will contain the following information:

- In the upper left-hand corner: company name, report name, control date, DR study area, report title, and divested administrator.
- In the upper right-hand corner: the run folder, program/TDIS release number, run data, and page number. The TDIS release number indicates the last time a change was made to this process.

The body of the report consists of 12 columns of information. Each of the columns is described below.

- Column 1 - CIRCUIT DESCRIPTION - This is the ‘‘word’’ description of a particular line on the Report Control Table. This ‘‘word’’ description is printed verbatim as it appears on the Report Control Table. The user has the option of modifying the ‘‘word’’ description to meet specific requirements.
- Column 2 - XXXX LINE - This is the line number on the Report Control Table to which the individual DR Class Codes are summarized. (XXXX represents the title of the report, i.e., SSM1 LINE.) The line numbers correspond to the circuit description and are listed in ascending alphanumeric order on the individual details reports.
- Column 3 - DR CLASS CODE - This is the DR Class Code for which the miles have been accumulated and which are being further summarized to the particular line on the Report Control Table. Multiple DR Class Codes may exist for a particular line as described in Item 2. If multiple entries exist, they will appear in

ascending alphanumeric order. The total of all the DR Class Codes will appear as the last ‘‘line’’ entry on the 01 line.

- Columns 4 thru 9 - MLG CDE TDIS - Sufficient columns are provided to summarize data for a maximum of twelve DR Areas within a particular Study Area. The DR Area represented by a specific column is shown immediately below the column heading.
- Column 10 - TOTAL MILES - This value is the sum of all the miles for a particular DR Class Code for the individual DR area, as displayed in Columns 4 through 9 of this report. If mileage columns 7 through 12 exist, they will appear on the next page with total miles.

* * * * D R P - T D I S * * * *

COMPANY: BASE - RELEASE 7.1 ENVIRONMENT (CB)
REPORT: TS-IF1D
CONTROL DATE: 10/30/97
DR STUDY AREA: MO
DIVESTED ADMINISTRATOR: ALL

INTEREXCH MILES: NON-REV PRODUCING
DETAIL REPORT

RUN FOLDER: YDTS600
PROGRAM: YDTS600 R-7.1
RUN DATE: 11/05/97 12:54:12
PAGE: 1 (1 OF 1)

CIRCUIT DESCRIPTION	SSM1 LINE	DR CLASS CODE	MLG CDE TDIS MOKC	MLG CDE TDIS MOSL	MLG CDE TDIS	MLG CDE TDIS	MLG CDE TDIS	MLG CDE TDIS	TOTAL MILES
MISC TRUNKS NON REVENUE	001	NA							
BOC ORD & ALM - VOICE GRADE	002	LA							
OTHER NRP PRIVATE LINE CKTS	003	SN							
CXR SYSTEM VOICE & ABOVE - RA	004	XA		9370					9370
CXR SYSTEM VOICE & ABOVE - ER	005	F6							
CXR SYSTEM BELOW VOICE - RA	006	XB							
CXR SYSTEM BELOW VOICE - ER	007	1J							
CXR SPAN LINES -IX RA	008	XI							
CXR SPAN LINES -EX RA	009	XF							
CXR SPAN LINES -IX ER	010	XU							
CXR SPAN LINES -EX ER	011	XV							
RENTED TO OTHERS	012A	R1							
RENTED TO OTHERS	012B	R2							
RENTED TO OTHERS	012C	R3							
RENTED TO OTHERS	012D	R4							
RENTED TO OTHERS	012								
UNIDENTIFIED	013	QQ		1903					1903
	TOTAL MILES			11273					11273

DRDD TABLE WAS UPDATED (05/15/97) AFTER EXTRACTION PROCESSING COMPLETED.
* * * * * * END OF REPORT * * * * * *
PROPRIETARY
BELLCORE AND AUTHORIZED CLIENTS ONLY

Figure 600-2. Mileage Detail Report: TS-IF1D

600.4.2 Mileage Summary Reports: TS-IF1S

The heading on this report is the same as for the detail report except the title is ‘‘Summary Report’’. The fields on the Mileage Summary Report are the same as on the Detail Report with the exception of the DR Class Code. The individual DR Class Codes have been suppressed and only the total for each circuit description is printed on this report. This value is equal to the line summary value reflected on the Detail Report previously discussed.

The Mileage Summary Report for a particular control table is normally what is used for Basic Studies and/or the monthly report, based on the specific requirements of the user.

The data for this report is used to construct a *Lotus 1-2-3*® compatible file. The file may be imported into *1-2-3* using the file import numbers option.

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```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CB )                                        RUN FOLDER: YDTS600
REPORT: TS-IF1S                                                                         PROGRAM: YDTS600     R-7.1
CONTROL DATE: 10/30/97                                                                  RUN DATE:  11/05/97  12:54:12
DR STUDY AREA: MO                          INTEREXCH MILES:  NON-REV PRODUCING           PAGE:         1  (1 OF 1)
DIVESTED ADMINISTRATOR: ALL                          SUMMARY REPORT

                                SSM1     MLG CDE     MLG CDE     MLG CDE     MLG CDE     MLG CDE     MLG CDE          TOTAL
       CIRCUIT DESCRIPTION      LINE       TDIS        TDIS        TDIS        TDIS        TDIS        TDIS           MILES
--------------------------------  -----  ----------- ----------- ----------- ----------- ----------- -----------    ---------------
                                           MOKC        MOSL

MISC TRUNKS NON REVENUE           001

BOC ORD & ALM - VOICE GRADE       002

OTHER NRP PRIVATE LINE CKTS       003

CXR SYSTEM VOICE & ABOVE - RA     004                    9370                                                              9370

CXR SYSTEM VOICE & ABOVE - ER     005

CXR SYSTEM BELOW VOICE   - RA     006

CXR SYSTEM BELOW VOICE   - ER     007

CXR SPAN LINES -IX         RA     008

CXR SPAN LINES -EX         RA     009

CXR SPAN LINES -IX         ER     010

CXR SPAN LINES -EX         ER     011

RENTED TO OTHERS                  012

UNIDENTIFIED                      013                    1903                                                              1903

                          TOTAL MILES                    11273                                                             11273


                        DRDD TABLE WAS UPDATED (05/15/97) AFTER EXTRACTION PROCESSING COMPLETED.
                                    * * * * * *  END OF REPORT  * * * * * *
                                                  PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 600-3. Mileage Summary Report: TS-IF1S

600.4.3 Audit Report (TS-EDP)

The audit report summarizes the input and output activity associated with the YDTS600 process. The major items and checks to be made are as follows:

Immediately below the first ‘‘Card Columns’’ line will be an image of the 600 input cards as well as any associated error messages. Report Control Table ‘‘standard’’ table names will be reflected below the second ‘‘Card Columns’’ line.

The following error messages may be encountered:

5A - Indicated Field Is Invalid
The data in question will be underlined to assist the user in initiating necessary corr ections.

5B - Required Field Missing
The transmittal is lacking data necessary to initiate the process. One example might be Study Area.

5N - Requested Limit Exceeded
The user has submitted more than one control card. Using the on-line tables should prevent this error from happening When this happens, if the first card read has valid data, the run will proceed using the parameters of that card. All other cards will be reflected on the Audit Report with a 5N error code.

The following items are for verifying the accuracy and completeness of the process:

DRP DRDD Table Initially Loaded On
This is the date on which the DRDD table was copied from TIRKS. This should be reviewed to ensure that the most current table was used in the processing of that month’s data.

DRP DRDD Table Last Updated On
This is the date on which the on-line table process updated the DRDD if it is different from the loaded table.

DRP DRDD Table Generation Number
This is the generation numbers of the DRDD table used for regeneration.

Mileage Requests: Read
This is the number of control cards read and will always equal 1 in normal processing.

Mileage Requests: Rejected
This is the number of control cards read and rejected and will always equal 0 in normal processing. Any other value is the result of invalid data or multiple control cards, as reflected in the error codes.

Facility Summary Reports Read
This is the number of facility summary records read by type. There are

- HEADER - Each facility will have one header record.
- OWNER - This record lists the ownership of a particular facility by length. There may be multiple owners of a facility that is defined by length, usually in miles. The ownership miles must equal the facility miles.
- UTILIZATION - The utilization records consist of the TDIS and TIRKS circuit counts or DR pair counts by DR Class Code. Multiple utilization records may exist for each header record.
- NORMALIZATION - This is the number of normalized records read. These records contain class codes and normalized data. As with utilization, there may be more than one record for a given header.

  A particular facility may have multiple owner records for each header record and multiple utilization or normalization records for each header record. The number of header, owner, utilization, and normalization records read should correspond to the total number of facility summary header, owner, utilization, and normalization records written from the YDTS300 runs.

Report Control Table Last Updated On

This reflects the date on which the on-line tables updated the report control table.

Report Control Generation Number

This is the generation number used as found in the version selection table.

Report Control Table Records Read

There are three types of records shown with corresponding counts.

- TITLE - The number of tables shown when ‘‘****’’ is input will be determined by the actual number of default tables built by the user.
- DETAIL - This value represents the number of detail lines on the report control table.
- DELIMITER - This value is the number of report tables available from the report control table.

Mileage Reports Written

This is the number of combinations of Detail and Summary Reports generated by this process and should equal the value reflected for ‘‘TITLE’’.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: ENTER COMPANY NAME   ( CB )                                                    RUN FOLDER: YDTS600
REPORT: TS-EDP                                                                          PROGRAM: YDTS600     R-5.1
CONTROL DATE: 10/04/93                                                                  RUN DATE:  10/19/93  12:34:02
                                      EDP PROGRAM SUMMARY AND AUDIT REPORT              PAGE:         2
                                              MILEAGE REPORTS
             CARD              1         2         3         4         5         6         7         8      ERROR
             COLUMNS     12345678901234567890123456789012345678901234567890123456789012345678901234567890     MESSAGES
                         6000 **** **** KY OH
                         KY CK
                         OH CH
                                          STANDARD REPORT CODES
             CARD              1         2         3         4         5         6         7         8      ERROR
             COLUMNS     12345678901234567890123456789012345678901234567890123456789012345678901234567890     MESSAGES
                         SC SSM1 SSM2 SSM3 SSM4 1024 1027

                                DRP DRDD TABLE INITIALLY LOADED ON                    09/08/93
                                DRP DRDD TABLE LAST UPDATED ON                        09/08/93
                                DRP DRDD TABLE GENERATION NUMBER                      G0001V00
                                DRP DRAREA TABLE LAST UPDATED ON                      10/18/93
                                DRP DRAREA TABLE GENERATION NUMBER                    G0008V00
                                MILEAGE REQUESTS:  READ                         =         1
                                                   ACCEPTED                     =         1
                                                   REJECTED                     =         0
                                FACILITY SUMMARY RECORDS READ:  HEADER (1)      =    24,518
                                                                OWNER  (2)      =    24,502
                                                                UTIL   (3)      =    24,518
                                                                NORM   (4)      =    23,818
                                                                TOTAL           =    97,356
                                REPORT CONTROL TABLE LAST UPDATED ON                  10/14/93
                                REPORT CONTROL GENERATION NUMBER                      G0004V00
                                REPORT CONTROL TABLE RECORDS READ:  TITLE     (1) =       3
                                                                    DETAIL    (2) =     175
                                                                    DELIMITER (3) =       3
                                                                    TOTAL           =   181
                                MILEAGE REPORTS (TS-IF1D,1S) WRITTEN            =         6

MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID
   5B - REQUIRED FIELD IS MISSING
   5N - REQUEST LIMIT EXCEEDED
                                    * * * * * * * END OF REPORT * * * * * *
                                                PROPRIETARY
                                      BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 600-4. Audit Report for YDTS600: TS-EDP - Generate Mileage Reports

600.5 Abnormal Termination

The following situations may result in termination of the process:

Condition Code 2007 - No Header Record Found For File Name

This condition code may be the result of improper sort of data, the program not starting at the first tape, the prior program not completing correctly, or other processing malfunctions.

Condition Code 2009 - Invalid Header Record

This condition code may indicate there is a mismatch on the CPU ID between the input card and the data being accessed, the control date does not match the header record, or the header record date is outside the range dictated by the TDIS logic.

Condition Code 2010 - DRP ‘‘tblname’’ table is Invalid

Condition Code 2019 - Sequence Error Encountered

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE

The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

Condition Code 2043 - Input Requests Missing or Invalid.

620. YDTS620 - Generate Facility Summary Inquiry Report

620.1 General Description

This procedure provides the user with a detailed listing of all facility complements included in the development of the TDIS mileage and termination counts. The output report also includes utilization and ownership data by DR Class Code.

Data is extracted from the Merged Facility Summary File, created in the YDTS300 process, to generate the facility summary inquiry reports. The user has the ability to customize this report to meet specific needs based on card inputs. This is accomplished by requesting an individual DR Area, an entire Study Area, or all Study Areas; one or all Divested Administrators; and a specific Facility Type or all Facility Types; or a 6, 8 or 11 character Location and a Facility Type(specific or all). The user can also control the format of the report by selecting specific sort options. However, the same format will be utilized for all reports requested per TDIS on-line table.

A maximum of 10 reports may be requested in a particular run.

620.2 Program Flow Diagram

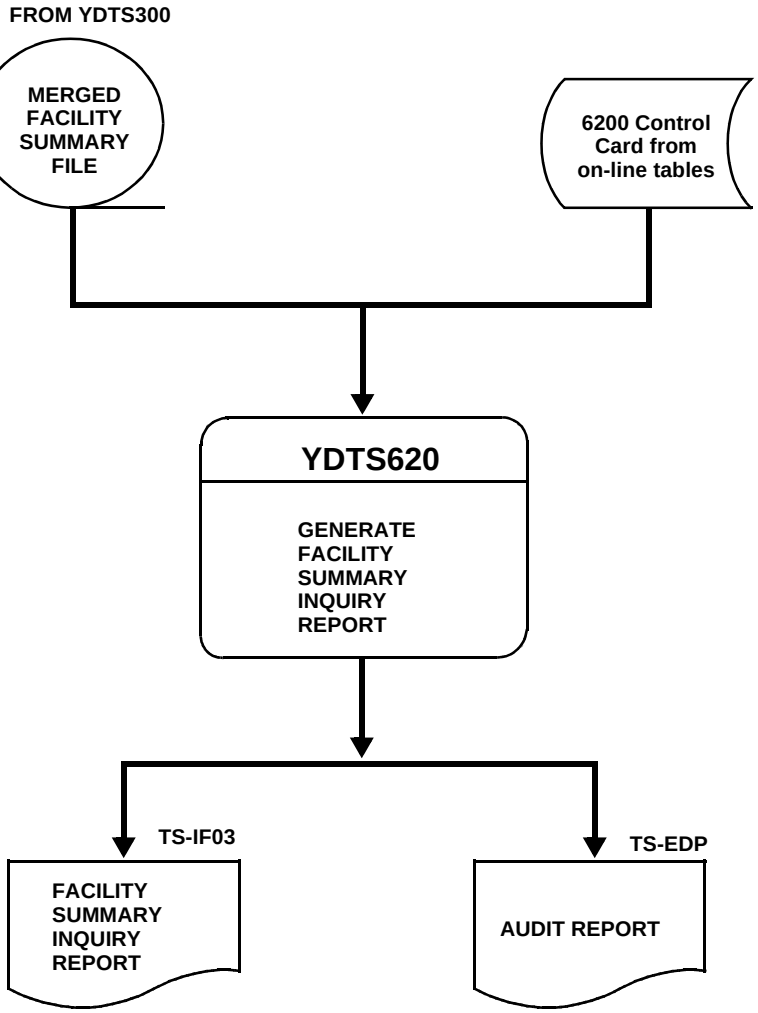


Figure 620-1. YDTS620 Program Flow Diagram

620.3 Inputs

620.3.1 Input Files

- FILE NAME: MERGED FACILITY SUMMARY FILE
- SOURCE RUN: YDTS300
- KEY FIELDS: The key fields, utilized by the YDTS620, are determined by the selection criterion specified by the user on the control card. The maximum fields that may be utilized are described in Section 620.4.1.

620.3.2 Transmittal to Request the Run

The following information must be included on the transmittal form:

1. RUN DATE: Specify the date the process is to be executed.
2. RUN SEQUENCING REQUIREMENTS: If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B contains job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of person(s) to whom this report is to be delivered.

> **NOTE —** Maintenance of the control card for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL).

620.4 Outputs

620.4.1 Facility Summary Inquiry Report: TS-IF03 - Data Analysis Information

This report is a listing of all facility complement data in the file for the Divested Administrator, DR Area(s), and Facility Type or Location and Facility Type as specified on the control card. The sequencing of data and facility complement selection criteria used is identified immediately below the main report title. The report headings and their content are as follows:

> **NOTE —** If the TIRKS field name is different than the report heading, the TIRKS field name is included in brackets. If no additional information is provided, the field is either the same or it is a TDIS-generated data item.

H1 LINE HEADINGS

- CXE IND - The Carrier Indicator field consists of a single character to designate the type of facility assigned to the circuit. Valid entries are ‘‘C’’ for Cable or ‘‘X’’ for Carrier Systems.
- FACILITY IDENTIFICATION -
  - — TERMINAL LOCATION A (TERM A) - The originating location of the carrier system or cable complement.
  - — TERMINAL LOCATION Z (TERM Z) - The terminating location of the carrier system or cable complement.
- CABLE#/FAC DES - This field will contain the cable number or Facility Number from the TIRKS header record.
- LST PAIR/FAC GROUP (LAST UNIT/FAC TYPE) - The pair number of the last pair in the cable complement or the Facility Type data, as populated on the header record in the TIRKS data base.
- ASGT RESP - Specifies the company, area, or organization in a company responsible for selecting equipment and facilities and issuing order to connect, disconnect, or perform other work on circuits.
- FAC GROUP - This field denotes the type of facility, i.e., T1 for a carrier system.
- FAC USE - Defines the planned use of the cable or carrier facility.

- TDIS FAC STATUS - The field will indicate if the facility is working ‘‘W’’ or non-working ‘‘N’’.
- TOTAL LENGTH - The total length, in miles, of the cable complement or carrier facility as reflected on the ownership screen.
- DR GRP CODE (DR GROUP) - This is a one-character code that defines the jurisdictional and/or physical location of the facility.
- FRST PR/FRM CHAN - This value will reflect the first pair number in a cable complement or the first channel on a carrier system.
- TO CHAN - This value will reflect the last channel on a carrier system.

H2 LINE HEADINGS

- DIV ADM - This value is obtained from the ‘‘0.0’’ mileage line in the ownership section of the TIRKS facility header record if that data exists. If the ‘‘0.0’’ mileage line is blank then TDIS logic, as described in Appendix C, will generate a value.
- FAC LOC A
  - — LATA CODE - A five-character alphanumeric code that identifies the state LATA associated with Location A. This data is obtained from the TDIS LATA table and added to the file in previous processing.
  - — POP IND - A one-character alpha code indicating the type of circuits/facilities that terminate at Location A. This data is obtained from the TDIS LATA table and added to the file in previous processing.
- FAC LOC Z
  - — LATA CODE - A five-character alphanumeric code that identifies the state LATA associated with Location Z. This data is obtained from the TDIS LATA table and added to the file in previous processing.
  - — POP IND - A one-character alpha code indicating the type of circuits/facilities that terminate at Location Z. This data is obtained from the TDIS LATA table and added to the file in previous processing.
- ERROR MESSAGES - This field will be populated with any error message that was generated in previous TDIS processes.

H3 LINE HEADINGS

- CHAN BANK A - This is a description of the type of channel bank that has been assigned to Location A of the carrier system.

- CHAN BANK Z - This is a description for the type of channel bank that has been assigned to Location Z of the carrier systems.
- E1 FLAG - This one-character field indicates whether the equipment code (HECI) has been retrieved or attempted to be retrieved from the E1 subsystem, or if the data is stored in the F1 database. The valid entries are ‘‘Y’’ if the code is retrieved from the E1 database, or ‘‘N’’ if the code is not retrieved from the E1 database
- CHANNEL BANK A HECI (EQUIPMENT) - This is the HECI number of the channel bank assigned to Location A of the carrier system.
- CHANNEL BANK Z HECI (EQUIPMENT) - This is the HECI number of the channel bank assigned to Location Z of the carrier system.
- CHAN BANK A ECN (ECN) - This is the ECN associated with the channel bank at Location A of the carrier system as assigned by the TDIS YDTS220 procedure, via the HECIG to ECN (HECIG) or Channel Bank (CHBANK) table.
- CHAN BANK Z ECN (ECN) - This is the ECN associated with the channel bank at Location Z of the carrier system as assigned by the TDIS YDTS220 procedure, via the HECIG or CHBANK table.
- CXR LINE ECN - This is the ECN assigned by TDIS procedure YDTS220 based on the Carrier Technology (CXRTECH) table

01 LINE HEADINGS

- OWNR - This field will contain the first ownership code on the facility header other than the ‘‘0.0’’ miles entry.
- LENGTH - This field will contain the mileage information associated with the preceding ‘‘OWNR”.

> **NOTE —** A maximum of four sets of OWNR/LENGTH data may be displayed on the report.

02 LINE HEADINGS

- DR AREA - This field will contain the first DR Area reflected on the facility header.
- DR LENGTH - This field contains the DR Length associated with the preceding ‘‘DR AREA’’.

> **NOTE —** A maximum of five sets of DR AREA/DR LENGTH data may be displayed on the report.

U1 LINE HEADINGS

- BULK IND - A one-character field that indicates if the facility was bulk assigned (assigned to local assignment bureau for assignment) rather than assigned to a circuit.
- TOTAL COUNT - Total of all units utilized to generate the report.
- TOTAL SPARE - Total number of spare units encountered when generating the report.
- TOTAL WRKG - Total number of working units encountered when generating the report.
- DR CLSS - This field reflects the DR Class Code that was generated by TIRKS when a circuit was posted to a facility unit or the code generated by TDIS in the YDTS300 process if the TDIS generated class code is different than the TIRKS class code.
- TIRKS DR PAIR COUNT - The number of working circuits on the facility with the above-referenced class code.
- TDIS DR PAIR COUNT - This value is based on the circuit count logic described in Appendix A.

> **NOTE —** A maximum of three DR CLSS/TDIS DR CKT COUNT/TDIS DR PAIR COUNT columns will be displayed on the ‘‘U1’’ line this report.

U2 LINE HEADINGS

- DR CLASS TIRKS DR CKT COUNT (Multiple ‘‘U2’’ lines will appear for each additional unique DR class code associated with the facility)
- TDIS DR CKT COUNT
- TDIS DR PAIR COUNT.

Same description as listed for the ‘‘U1’’ lines apply to the ‘‘U2’’ lines.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                                       RUN FOLDER: YDTS620
REPORT: TS-IF03                                                                                        PROGRAM: YDTS620     R-7.0
CONTROL DATE: 03/24/97                                                                                 RUN DATE:  05/07/97  14:13:57
                                             FACILITY SUMMARY INQUIRY REPORT                           PAGE:         6
                                           SEQUENCED BY FACILITY IDENTIFICATION
                               COMPLEMENTS SELECTED BY DIVESTED ADMINISTRATOR (ALL) DR AREA (ALL)

        FACILITY IDENTIFICATION                                                   TDIS                DR
   CXE  TERMINAL     TERMINAL     CBLE #/       LST PAIR/  ASGT              FAC    FAC     TOTAL      GRP    FRST PR/     TO
H1 IND  LOCATION A   LOCATION Z   FAC DES       FAC GROUP  RESP  FAC GROUP   USE    STATUS  LENGTH     CODE   FRM CHAN     CHAN
   ---  -------------------------------------------------  ----- ---------   ---    ------  --------   ----   ---------    ---------

        FAC LOC A    FAC LOC Z
   DIV  LATA  POP    LATA  POP    ERROR
H2 ADM  CODE  IND    CODE  IND    MESSAGES
   ---  ---------    ---------    ----------------------------
                                                                         CHAN    CHAN     CXR
                                  E1       CHANNEL          CHANNEL           BANK A  BANK Z   LINE
H3      CHAN BANK A  CHAN BANK Z  FLAG     BANK A HECI      BANK Z HECI       ECN     ECN      ECN
        -----------  -----------  ----     -----------      -----------       ------  ------   ----

O1 OWNR LENGTH         OWNR LENGTH        OWNR LENGTH              OWNR LENGTH              OWNR LENGTH
   ---- ------         ---- ------        ---- ------              ---- ------              ---- ------

   DR   DR             DR   DR            DR   DR                  DR   DR                  DR   DR
O2 AREA LENGTH         AREA LENGTH        AREA LENGTH              AREA LENGTH              AREA LENGTH
   ---- ------         ---- ------        ---- ------              ---- ------              ---- ------

   BULK  TOTAL  TOTAL  TOTAL   DR   TDIS DR    TDIS DR    DR   TDIS DR    TDIS DR    DR   TDIS DR    TDIS DR
U1 IND   COUNT  SPARE  WRKG    CLSS CKT COUNT  PAIR COUNT CLSS CKT COUNT  PAIR COUNT CLSS CKT COUNT  PAIR COUNT
   ----  -----  -----  -----   ---- ---------- ---------- ---- ---------- ---------- ---- ---------- ----------

                               DR   TDIS DR    TDIS DR    DR   TDIS DR    TDIS DR    DR   TDIS DR    TDIS DR
U2                             CLSS CKT COUNT  PAIR COUNT CLSS CKT COUNT  PAIR COUNT CLSS CKT COUNT  PAIR COUNT
                               ---- ---------- ---------- ---- ---------- ---------- ---- ---------- ----------



                                                    PROPRIETARY
                                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 620-2. Facility Summary Inquiry Report: TS-IF03 - (HEADINGS)

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                  RUN FOLDER: YDTS620
REPORT: TS-IF03                                                                   PROGRAM: YDTS620     R-7.0
CONTROL DATE: 03/24/97                                                            RUN DATE:  05/07/97  14:13:57
                                                FACILITY SUMMARY INQUIRY REPORT   PAGE:        12
                                             SEQUENCED BY FACILITY IDENTIFICATION
                                 COMPLEMENTS SELECTED BY DIVESTED ADMINISTRATOR (ALL) DR AREA (ALL)

H1 C    ATCYNJKB     SMVLNJKB     3008          00144      SL       LGSS            W          10.0    I            1          144
H2 CB   NJ999 N      NJ999 N
O1 NJ     10.0
O2 TRTR   10.0
U1         144    144      0

H1 C    ATCYNJKB     SMVLNJKB     3009          00144      SL       LGSS            W          10.0    I            1          144
H2 CB   NJ999 N      NJ999 N
O1 NJ     10.0
O2 TRTR   10.0
U1         144    144      0

H1 C    BASKNJ01     PISCNJ02     CB501         00100      SL    19H88              W          20.0                 1          100
H2 CB   NJ999 N      NJ999 N      2J
O2 MOSL   20.0
U1         100     99      1   QQ       1.0000      1.0

H1 C    BASKNJ01     PISCNJ02     2142          00100      SL    22H88              W           0.0                 1          100
H2 CB   NJ999 N      NJ999 N      1A 2J
U1         100    100      0

H1 C    BDBKNJBD     PLFDNJPF     1101          00072      FT       LGSS            N           5.2    I            0           72
H2 CB   NJ999 N      NJ999 N
O1 BR       5.2
O2 BRPY     5.2
U1           73     73      0

H1 C    BETHMDBDCG0  BETHMDBECG0  111           00025      SL    22H88              W           0.0                 1           25
H2 CB   MD999 N      MD999 N      1A 2J
U1           25     22      3   QQ       3.0000      3.0

                                                  PROPRIETARY
                                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 620-3. Facility Summary Inquiry Report: TS-IF03 - Data Analysis Information

620.4.2 Audit Report: TS-EDP

The audit report summarizes the input and output activities for the YDTS620 process.

The major items on this report and the audit checks that are to be made are as follows:

An ‘‘image’’ of the control card(s) is reflected immediately below the Card Column line. This should match the information from the on-line tables. The Sort Selection Criteria listed should also match the information from the on-line tables.

The count of Inquiry Requests Read and Accepted should match the information entered on the panels. If there is a count of inquiry requests rejected, an error was detected on input and one of the following message codes will be reflected in the error message field of the report. If this happens, notify Bellcore.

5A - Indicated Field Is Invalid
The data in question will be underlined to assist the user in initiating necessary corrections.

5B - Required Field Is Missing
The input card is lacking data necessary to initiate the process. A corrected input card is required to restart the process.

5H - Conflicting Data Entered. Both ADM/DR Area and Location were selected
Only ADM/DR Area ***or*** Location is allowed for each request. A corrected input card is required to restart the process.

5N - Request Limit Exceeded
The user has submitted more than ten IS cards. When this happens, if the first ten cards read have valid data, the run will proceed using the parameters on those cards. All other cards will be reflected on the Audit Report with an ‘‘5N’’ error code. These cards must be submitted on another transmittal.

Facility Summary Records input, per record type and total
This should equal the counts of records written by the run(s) of the YDTS300, which created this generation of the file input to the YDTS620 process.

TS-IF02 Reports Written
This should equal the count of inquiry requests accepted and/or reports received.

The input 620A is the sort option chosen on the panel.

The input(s) 620B are the individual selections input on the on-line tables panel.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CB )                                        RUN FOLDER: YDTS620
REPORT: TS-EDP                                                                          PROGRAM: YDTS620     R-7.1
CONTROL DATE: 10/30/97                                                                  RUN DATE:  11/06/97  14:21:28
                                     EDP PROGRAM SUMMARY AND AUDIT REPORT               PAGE:         2
                                             FACILITY SUMMARY INQUIRY
                                       1        2        3        4        5        6        7        8      ERROR
           CARD COLUMNS     12345678901234567890123456789012345678901234567890123456789012345678901234567890     MESSAGES

                            620A 0
                            620B 0 **** MOSL 24H88
                            620B 0 **** MOKC 19H88
                            620B 0          T1       STLSMO01???
                                          SORT SELECTION CRITERIA:  0
                                  SORT SELECTIONS :  READ                        =          1
                                                     ACCEPTED                    =          1
                                                     REJECTED                    =          0
                                  INQUIRY REQUESTS:  READ                        =          3
                                                     ACCEPTED                    =          3
                                                     REJECTED                    =          0
                                  DRP FACILITY SUMMARY RECORDS READ:  HEADER (1) =      4,892
                                                                      OWNER  (2) =      3,926
                                                                      UTIL   (3) =      4,892
                                                                      NORM   (4) =      2,576
                                                                      TOTAL      =     16,286
                                  TS-IF03 REPORTS WRITTEN                        =          3



MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID
   5B - REQUIRED FIELD IS MISSING
   5H - CONFLICTING DATA ENTERED
   5N - REQUEST LIMIT EXCEEDED

                                       * * * * * *  END OF REPORT  * * * * * *
                                                    PROPRIETARY
                                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 620-4. Audit Report: TS-EDP

620.5 Abnormal Termination

The following situations will result in termination of the process:

Condition Code 2007 - No header record found for file name.

Condition Code 2009 - Invalid header record.
This could be a mismatch of the CPU ID on the transmittal to the CPU ID in the file.

Condition Code 2012 - Illegal Condition Code Returned From PLISRT

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE
The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

Condition Code 2041 - The Sort Selection Criteria code entered on the transmittal was a value other than 0, 1, or 2.
Resubmit a corrected transmittal to restart the process.

Condition Code 2043 - Input Requests Missing or Invalid
This condition code is produced when any update is invalid or when no updates were supplied.

650. YDTS650 - Generate Facility Summary Data Integrity Report

650.1 General Description

This procedure provides the user with the ability to extract, analyze, and correct various data discrepancies that result in inaccurate data being passed to TDIS for use in the Separations process. These situations may be the result of TIRKS errors (message codes 1A, 2A, 2J, 2W, 2X, 2Y, and 2Z) or TDIS table errors (message codes 4I and 4J). The message codes are as follows:

- 1A - No Dr Area/Length Data Present
- 2A - Total Length not Equal to Sum of DR Lengths
- 2J - Invalid Dr Group Code
- 2W - DR Length Upper/Lower Bound Exceeded Due to Adjustment
- 2X - Invalid First Pair/From Channel or Last Pair/To Channel
- 2Y - Converted DR Length less than 0.1
- 2Z - Converted Total Length less than 0.1
- 4I - Carrier Line ECN Could Not be Generated by Use of Carrier Technology to ECN Translation Table - ‘‘800CL’’ Assumed
- 4J - Carrier Term ECN Could Not be Generated by Use of Channel Bank or or HECIG to ECN Translation Tables - ‘‘800CT’’ Assumed.

650.2 Program Flow Diagram

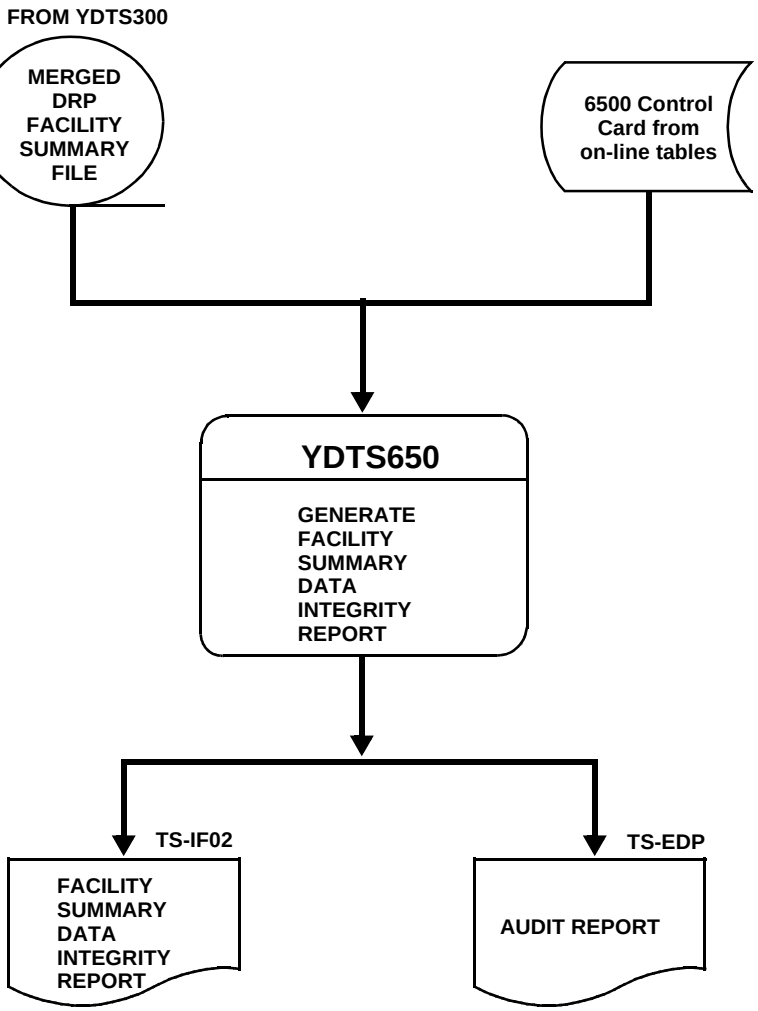


Figure 650-1. YDTS650 Program Flow Diagram

650.3 Inputs

650.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date the process is to be executed.
2. RUN SEQUENCING REQUIREMENTS - If more than one run has been requested it is necessary to specify the order in which the runs should be processed. Appendix B contains job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of person(s) to whom the processed reports are to be delivered.

> **NOTE —** Maintenance of the control card for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL).

650.3.2 Input Files

- FILE NAME - MERGED FACILITY SUMMARY FILE (MFACSUM)
- SOURCE RUN - YDTS300
- KEY FIELDS - Message Codes 1A, 2A, 2J, 2W, 2X, 2Y, 2Z, 4I, 4J
- CONTROL CARDS - From on-line tables.

650.4 Outputs

650.4.1 Facility Summary Data Integrity Report (Data Analysis and Audit Tracing Information): TS-IF02

A report is produced for each requested study area or location, as specified on the control card, and is reflected in the header of the report. If ** or **** was entered as the input for the Admin Area or the DRAREA, respectively, then the word *ALL* will appear on the report. The selected message code is reflected on the header of each report. A separate report will be generated for each message code.

The message codes that can be selected are

1A - No DR Area/Length Data Present

2A - Total Length Not Equal To Sum of DR Lengths
These errors are the result of incorrect calculations/input when the cable complement or carrier header was created in TIRKS. Corrections are made by updating the applicable header record.

2J - Invalid DR Group Code
This indicates that an error was made both in the TIRKS TTS table and in creating the header record. Corrections are made by updating both the header record and the TTS table with valid data.

2W - DR Length Upper/Lower bound Exceeded Due to Adjustment
When adding in the final adjustment to account for rounding, the value went over 9999.9 or less than zero.

2Y - Converted DR Length Less Than 0.1
When attempting to convert to miles, the result was less than 0.1 miles in length for the DR AREA.

2Z - Converted Total Length Less Than 0.1
When converting the total length of the facility from some unit base other than miles, the conversion resulted in less than 0.1 miles.

4I - Carrier Line ECN Could Not Be Generated by Use of the DRP Carrier Technology to ECN Table, ‘‘800CL’’ assumed
These errors are correctable via updates to the applicable TDIS Table.

4J - Carrier Term ECN Could Not Be Generated By Use of the DRP Channel Bank to ECN OR DRP HECIG to ECN Table - ‘‘800CT’’ Assumed.

Only facility-related data will be displayed on the TS-IF02 report. The report headings and content are as follows:

For 1A, 2A, 2W, 2Y, and 2Z error messages

- CXE Indicator - The Carrier Indicator field consists of a single character to designate the type of facility. Valid entries are ‘‘C’’ for Cable or ‘‘X’’ for Carrier System.
- Facility Identification
  - — Terminal Location A (TERM A) - The originating location of the carrier system or cable complement. This may not be the low alpha location.
  - — Terminal Location Z (TERM Z) - The terminating location of the carrier system or cable complement. This may not be the high alpha location.
  - — Cable Number/ Facility Designation - This field will contain the cable or carrier number from the TIRKS header record.
  - — Last Pair/Facility Group (LAST UNIT/FAC TYPE) - The number of the last pair in the cable complement or the Facility Type data as populated on the header record in the TIRKS data base.
  - — Fac Stat - This is a single character field indicating if the facility is working (W) or non-working (N).
- Total Length - The entire length of the cable complement or carrier system as populated on the cable header (CBLN) or carrier header (CXRH) in the TIRKS database.
- DR Area/DR Length Information - A maximum of four groups of DR Area and DR Length values can be displayed on this report. This information is extracted from either the cable owner (CBLV) or carrier owner (CXR) screen in the TIRKS database. Discrepancies between the total length and the individual DR Area lengths can readily be detected by this report.
- Other Message Codes - If any additional errors (excluding the requested error message) were detected during YDTS220 processing, these error message codes will be reflected in this column.

For 2J, 2X, and 4I message codes

- CXE Indicator - Refer to previous definition.
- Facility Identification - Refer to previous definition.

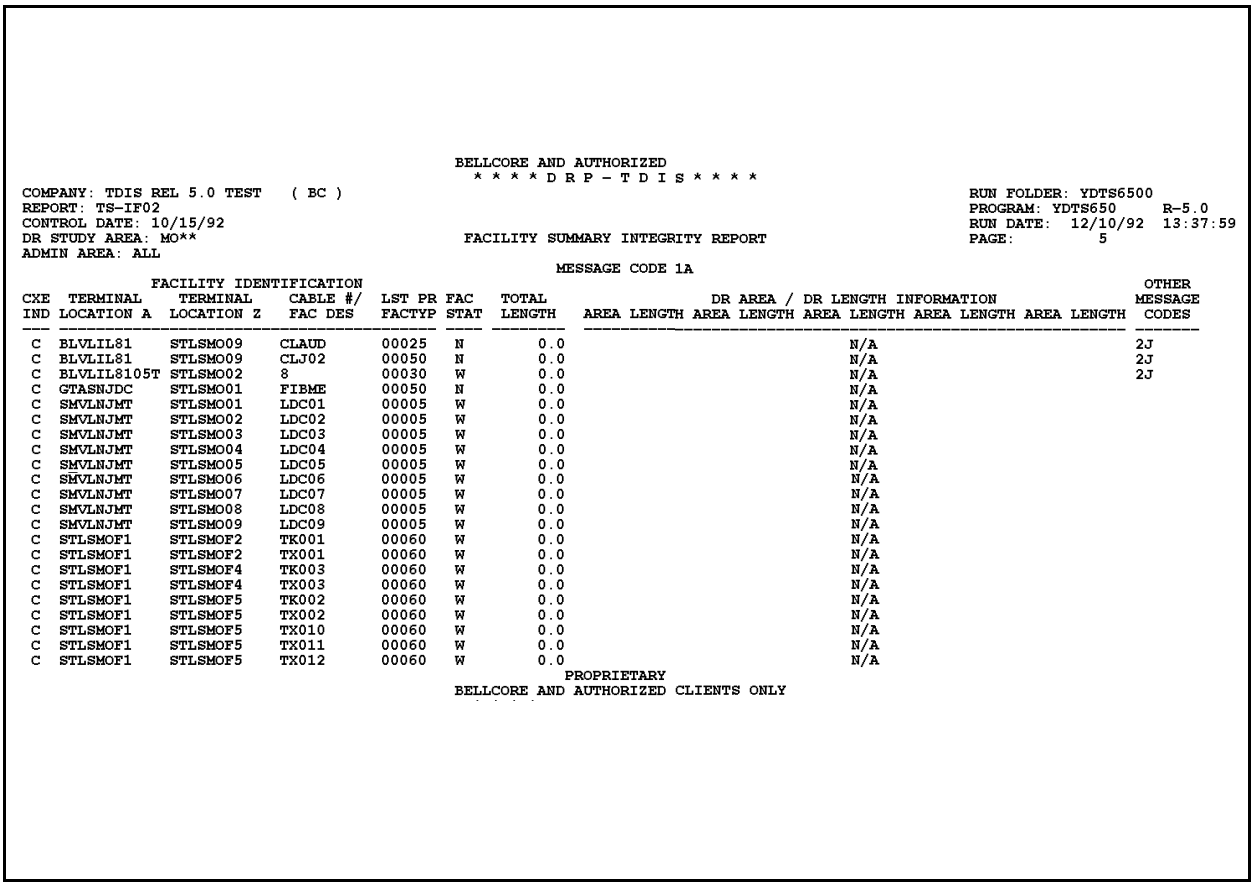
- First Pair/From Channel (numeric) - This is the first channel number on the facility.
- Last Pair/To Channel (numeric) - This is the last channel number on the facility.
- Fac Stat - Refer to previous definition.
- DR Group Code (DR GROUP) - This is a one-character code that has specific definition for Separations purposes. Normally, this code is based on the geographic location of the facility and/or the unique usage associated with the facility.
- Other Message Codes - Refer to previous definition.

For 4J message codes

- CXE Indicator - Refer to previous definition.
- Facility Identification - Refer to previous definition.
- Fac Stat - Refer to previous definition.
- Chan Bank A
  - — Channel Bank Type - This is an abbreviated description of the type of channel bank utilized at the originating location of the carrier system.
  - — HECI Code - The HECI number that was extracted from the header record in TIRKS.
  - — ECN - The ECN that was developed during processing of YDTS220.
- Chan Bank Z
  - — Channel Bank Type - This is an abbreviated description of the type of channel bank utilized at the terminating location of the carrier system.
  - — HECI Code - Refer to definition above.
  - — ECN - Refer to definition above.

Other Message Codes - Refer to previous definition.

The last page of the report for each study area contains the processing summary that lists the total number of facility complements read, the number of records with one or more discrepancies, and the counts of individual discrepancy codes for the requested study area and for the entire file. This summary report should be reviewed in conjunction with the Audit Report.



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* * * * D R P – T D I S * * * *

COMPANY: TDIS REL 5.0 TEST (BC)
REPORT: TS-IF02
CONTROL DATE: 10/15/92
DR STUDY AREA: MO**
ADMIN AREA: ALL

RUN FOLDER: YDTS6500
PROGRAM: YDTS650 R-5.0
RUN DATE: 12/10/92 13:37:59
PAGE: 5

FACILITY SUMMARY INTEGRITY REPORT

MESSAGE CODE 1A

CXE IND	FACILITY IDENTIFICATION TERMINAL LOCATION A	TERMINAL LOCATION Z	CABLE #/ FAC DES	LST PR FACTYP	FAC STAT	TOTAL LENGTH	DR AREA / DR LENGTH INFORMATION AREA LENGTH AREA LENGTH AREA LENGTH AREA LENGTH AREA LENGTH	OTHER MESSAGE CODES
C	BLVLIL81	STLSMO09	CLAUD	00025	N	0.0	N/A	2J
C	BLVLIL81	STLSMO09	CLJ02	00050	N	0.0	N/A	2J
C	BLVLIL8105T	STLSMO02	8	00030	W	0.0	N/A	2J
C	GTASNJDC	STLSMO01	FIBME	00050	N	0.0	N/A	
C	SMVLNJMT	STLSMO01	LDC01	00005	W	0.0	N/A	
C	SMVLNJMT	STLSMO02	LDC02	00005	W	0.0	N/A	
C	SMVLNJMT	STLSMO03	LDC03	00005	W	0.0	N/A	
C	SMVLNJMT	STLSMO04	LDC04	00005	W	0.0	N/A	
C	SMVLNJMT	STLSMO05	LDC05	00005	W	0.0	N/A	
C	SMVLNJMT	STLSMO06	LDC06	00005	W	0.0	N/A	
C	SMVLNJMT	STLSMO07	LDC07	00005	W	0.0	N/A	
C	SMVLNJMT	STLSMO08	LDC08	00005	W	0.0	N/A	
C	SMVLNJMT	STLSMO09	LDC09	00005	W	0.0	N/A	
C	STLSMOF1	STLSMOF2	TK001	00060	W	0.0	N/A	
C	STLSMOF1	STLSMOF2	TX001	00060	W	0.0	N/A	
C	STLSMOF1	STLSMOF4	TK003	00060	W	0.0	N/A	
C	STLSMOF1	STLSMOF4	TX003	00060	W	0.0	N/A	
C	STLSMOF1	STLSMOF5	TK002	00060	W	0.0	N/A	
C	STLSMOF1	STLSMOF5	TX002	00060	W	0.0	N/A	
C	STLSMOF1	STLSMOF5	TX010	00060	W	0.0	N/A	
C	STLSMOF1	STLSMOF5	TX011	00060	W	0.0	N/A	
C	STLSMOF1	STLSMOF5	TX012	00060	W	0.0	N/A	

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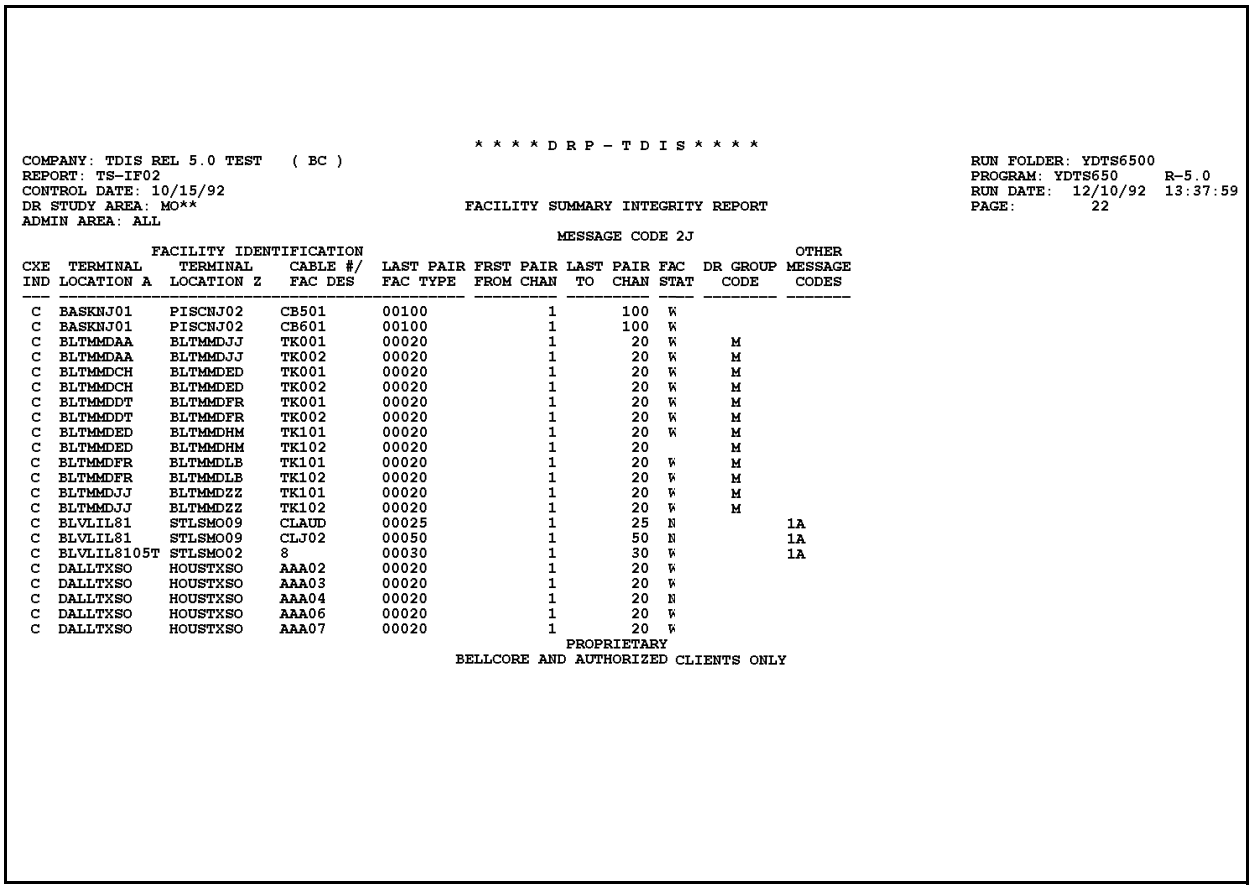
Figure 650-2. Facility Summary Data Integrity (Message Code 1A): TS-IF02

NOTE — The report format for message codes 1A, 2A, 2W, 2Y, and 2Z is similar; this report is an example of the format for those message codes.



* * * * D R P – T D I S * * * *

COMPANY: TDIS REL 5.0 TEST (BC)
REPORT: TS-IF02
CONTROL DATE: 10/15/92
DR STUDY AREA: MO**
ADMIN AREA: ALL

RUN FOLDER: YDTS6500
PROGRAM: YDTS650 R-5.0
RUN DATE: 12/10/92 13:37:59
PAGE: 22

FACILITY SUMMARY INTEGRITY REPORT

MESSAGE CODE 2J

CXE IND	FACILITY IDENTIFICATION TERMINAL LOCATION A	TERMINAL LOCATION Z	CABLE #/ FAC DES	LAST PAIR FAC TYPE	FRST PAIR FROM CHAN	LAST PAIR TO CHAN	FAC STAT	DR GROUP CODE	OTHER MESSAGE CODES
C	BASKNJ01	PISCNJ02	CB501	00100	1	100	W		
C	BASKNJ01	PISCNJ02	CB601	00100	1	100	W		
C	BLTMMDAA	BLTMMDJJ	TK001	00020	1	20	W	M	
C	BLTMMDAA	BLTMMDJJ	TK002	00020	1	20	W	M	
C	BLTMMDCH	BLTMMDED	TK001	00020	1	20	W	M	
C	BLTMMDCH	BLTMMDED	TK002	00020	1	20	W	M	
C	BLTMMDDT	BLTMMDFR	TK001	00020	1	20	W	M	
C	BLTMMDDT	BLTMMDFR	TK002	00020	1	20	W	M	
C	BLTMMDED	BLTMMDHM	TK101	00020	1	20	W	M	
C	BLTMMDED	BLTMMDHM	TK102	00020	1	20		M	
C	BLTMMDFR	BLTMMDLB	TK101	00020	1	20	W	M	
C	BLTMMDFR	BLTMMDLB	TK102	00020	1	20	W	M	
C	BLTMMDJJ	BLTMMDZZ	TK101	00020	1	20	W	M	
C	BLTMMDJJ	BLTMMDZZ	TK102	00020	1	20	W	M	
C	BLVLIL81	STLSMO09	CLAUD	00025	1	25	N		1A
C	BLVLIL81	STLSMO09	CLJ02	00050	1	50	N		1A
C	BLVLIL8105T	STLSMO02	8	00030	1	30	W		1A
C	DALLTXSO	HOUSTXSO	AAA02	00020	1	20	W		
C	DALLTXSO	HOUSTXSO	AAA03	00020	1	20	W		
C	DALLTXSO	HOUSTXSO	AAA04	00020	1	20	N		
C	DALLTXSO	HOUSTXSO	AAA06	00020	1	20	W		
C	DALLTXSO	HOUSTXSO	AAA07	00020	1	20	W		

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Figure 650-3. Facility Summary Data Integrity (Message Code 2J): TS-IF02

NOTE — The report format for message codes 2J, 2X, and 4I is similar; this report is an example of the format for those message codes.

* * * * D R P – T D I S * * * *

COMPANY: TDIS REL 5.0 TEST (BC) RUN FOLDER: YDTS6500
REPORT: TS–IF02 PROGRAM: YDTS650 R–5.0
CONTROL DATE: 10/15/92 RUN DATE: 12/10/92 13:37:59
DR STUDY AREA: MO** FACILITY SUMMARY INTEGRITY REPORT PAGE: 57
ADMIN AREA: ALL

MESSAGE CODE 4J

CXE IND	FACILITY IDENTIFICATION TERMINAL LOCATION A	TERMINAL LOCATION Z	CABLE #/ FAC DES	LAST PAIR FAC TYPE	FAC STAT	CHAN BANK A	CHAN BANK A HECI CODE	ECN	CHAN BANK Z	CHAN BANK Z HECI CODE	ECN	OTHER MESSAGE CODES
X	AUSTTXSO	STLSMOSMT01	101	N3	W			800CT			800CT	1A 2J 4I
X	BASKNJ01F11	PISCNJ02F11	101	N2	W	2		800CT	2		800CT	2J
X	BASKNJ01F21	PISCNJ02F12	102	N2	W	2		800CT	2		800CT	2J
X	BASKNJ01F31	NEWBNJ03F13	301	D1A	W		T1CE300B	800CT		T1CE300B	800CT	2J 4I
X	BASKNJ01F32	NEWBNJ03F23	302	D1A	W		T1CE300B	800CT		T1CE300B	800CT	2J 4I
X	BASKNJ01F41	NEWBNJ03F14	401	D1A	W		T1CE300B	800CT		T1CE300B	800CT	2J 4I
X	BASKNJ01F42	NEWBNJ03F24	402	D1A	W		T1CE300B	800CT		T1CE300B	800CT	2J 4I
X	BLTMMDED	BLTMMDHM	102N1	N1	W	N1		800CT	N1		800CT	2J 4I
X	BLTMMDFR	BLTMMDLB	101	N1	W	N1		800CT	N1		800CT	2J 4I
X	BLTMMDJJ	BLTMMDZZ	102N1	N1	W	N1		800CT	N1		800CT	2J 4I
X	DALLTXSO	HOUSTXSO	101	N2	N			800CT			800CT	2A 2J
X	DALLTXSO	HOUSTXSO	111	N1	W	N1		800CT	N1		800CT	2J 4I
X	DALLTXSO	HOUSTXSO	401	N1	N			800CT			800CT	2J 4I
X	DALLTXSO	HOUSTXSO	501	N1	W			800CT			800CT	2J 4I
X	DALLTXSO	HOUSTXSO	601	N1	W			800CT			800CT	2J 4I
X	DALLTXSO	HOUSTXSO	701	N1	N			800CT			800CT	2J 4I
X	DALLTXSO	STLSMOM2	1	N	W	N3		800CT	N3		800CT	1A
X	DALLTXSO	STLSMOSMT01	1	N	W	N1		800CT	N1		800CT	1A
X	DALLTXSO	STLSMOSMT01	101	N1	W	2		800CT	2		800CT	2J 4I
X	DALLTXSO	STLSMOSMT01	101	RSDM2	W	2		800CT	2		800CT	2J 4I
X	DALLTXSOF01	HOUSTXSOF01	110	N1	W			800CT			800CT	2J 4I
X	GSTANCSO	RLGHNCMO	201	N2	W	2		800CT	2		800CT	2J

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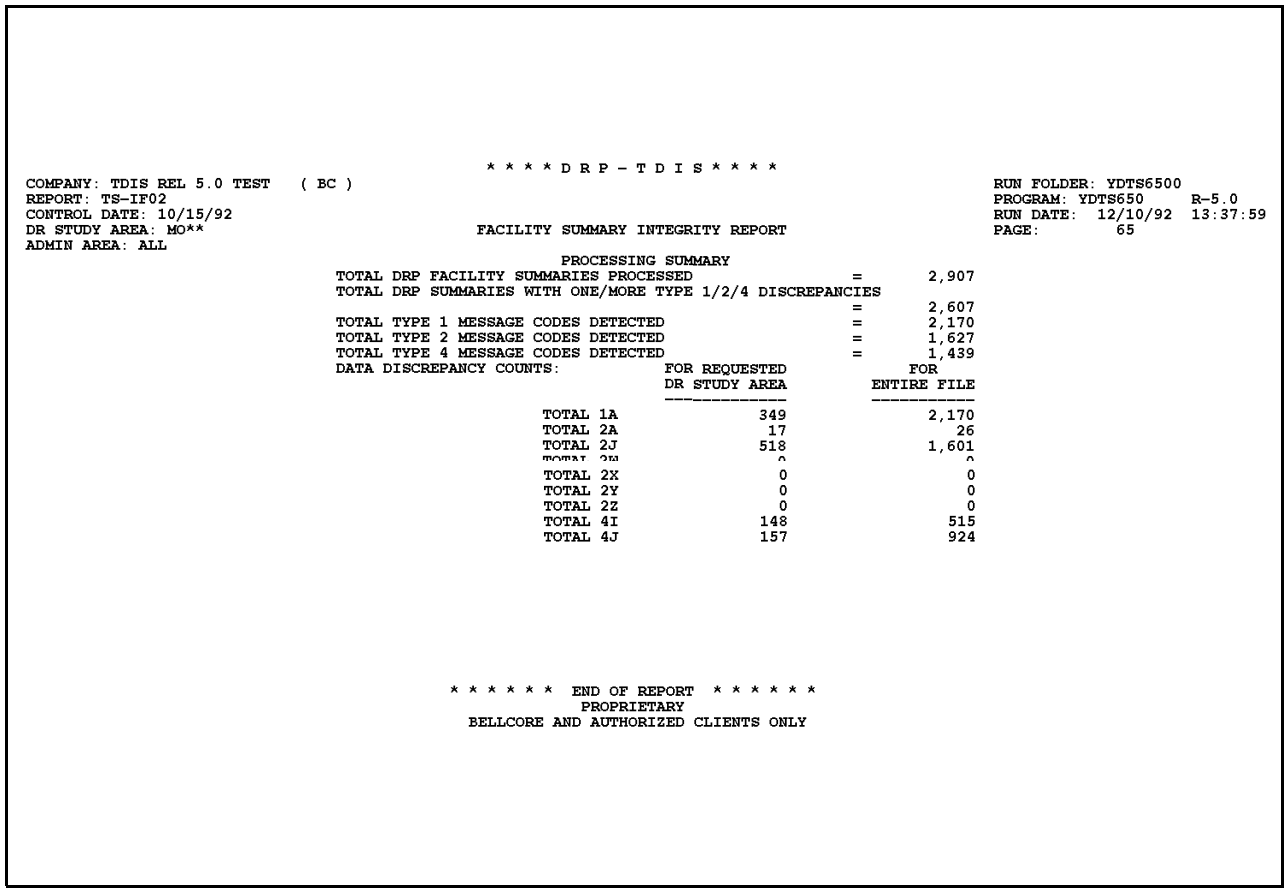
Figure 650-4. Facility Summary Data Integrity (Message Code 4J): TS-IF02



```
                                * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                  RUN FOLDER: YDTS6500
REPORT: TS-IF02                                                      PROGRAM: YDTS650     R-5.0
CONTROL DATE: 10/15/92                                               RUN DATE:  12/10/92  13:37:59
DR STUDY AREA: MO**                  FACILITY SUMMARY INTEGRITY REPORT   PAGE:        65
ADMIN AREA: ALL
                                     PROCESSING SUMMARY
     TOTAL DRP FACILITY SUMMARIES PROCESSED                    =       2,907
     TOTAL DRP SUMMARIES WITH ONE/MORE TYPE 1/2/4 DISCREPANCIES
                                                               =       2,607
     TOTAL TYPE 1 MESSAGE CODES DETECTED                       =       2,170
     TOTAL TYPE 2 MESSAGE CODES DETECTED                       =       1,627
     TOTAL TYPE 4 MESSAGE CODES DETECTED                       =       1,439
     DATA DISCREPANCY COUNTS:              FOR REQUESTED            FOR
                                           DR STUDY AREA          ENTIRE FILE
                                           -------------          -----------
                              TOTAL 1A               349               2,170
                              TOTAL 2A                17                  26
                              TOTAL 2J               518               1,601
                              TOTAL 2W                 0                   0
                              TOTAL 2X                 0                   0
                              TOTAL 2Y                 0                   0
                              TOTAL 2Z                 0                   0
                              TOTAL 4I               148                 515
                              TOTAL 4J               157                 924


                          * * * * * *  END OF REPORT  * * * * * *
                                     PROPRIETARY
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```

Figure 650-5. Facility Summary Data Integrity (Processing Summary): TS-IF02

650.4.2 Audit Report: TS-EDP

The TS-EDP Audit report summarizes the input and output activity for the YDTS650 process. The following major items and checks should be made:

An image of the input data from the control panel is reflected immediately below the Card Column line. This should match the information entered on the screen. Any message codes associated with the input on-line tables are also listed on these lines. One or all of the following message codes may be encountered. With the use of on-line tables these should not occur. If they do call Bellcore.

5A - Indicated Field Is Invalid
The data in question will be underlined to assist the user in initiating corrections to the transmittal form.

5B - Indicated Field Is Missing
The input on-line table is lacking critical data necessary to initiate the process. A corrected input card is required to restart the process.

5E - Spaces Between Or After Fields Must Be Blank
This message code indicates that invalid entries have been made on the transmittal form. The underlined data should be examined and a corrected transmittal form submitted.

5H - Conflicting Data Entered. Both ADM/DR Area and Location were selected
Only ADM/DR Area ***or*** Location is allowed for each request. A corrected input card is required to restart the process.

5M - Duplicate Message Code Not Allowed
This indicates that the user has requested the same message code for the same study area more than once on the transmittal form.

5N - Request Limit Exceeded
More than twelve RS cards were submitted on a single transmittal form. Resubmit the additional RS cards on a separate transmittal form.

Integrity Requests read, accepted, and rejected.
The number of cards read should agree with the information on the transmittal. Any rejected cards will be flagged with a message code, as described above.

Counts of DRP Facility Summary records read, by record type

C**ounts of Facility Summary records read**
This number should match the counts of records written by the YDTS310, which is the input to this run. The count written under the heading DRP normalized usage records written in YDTS310 should match the count read for the norm (4) total on this report.

TS-IF02 Reports Written

This should equal the number of reports received based on the message codes and study areas input on the transmittal.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CB )                                    RUN FOLDER: YDTS650
REPORT: TS-EDP                                                                      PROGRAM: YDTS650     R-7.1
CONTROL DATE: 03/24/97                                                              RUN DATE:  10/24/97  13:39:30
                                     EDP PROGRAM SUMMARY AND AUDIT REPORT           PAGE:         2
                                       FACILITY SUMMARY INTEGRITY REPORT
                                1         2         3         4         5         6         7         8      ERROR
          CARD COLUMNS     12345678901234567890123456789012345678901234567890123456789012345678901234567890     MESSAGES
                           6500 ** **** 2A
                           6500         2A                          RLGHNCMO
                                 INTEGRITY REQUESTS:  READ                      =          2
                                                      ACCEPTED                  =          2
                                                      REJECTED                  =          0
                                 DRP FACILITY SUMMARY RECORDS READ:  HEADER (1) =      8,384
                                                                     OWNER  (2) =      6,030
                                                                     UTIL   (3) =      8,384
                                                                     NORM   (4) =      4,980
                                                                     TOTAL      =     27,778
                                 TS-IF02 REPORTS WRITTEN                        =          2



MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID
   5B - INDICATED FIELD IS MISSING
   5E - SPACES BETWEEN OR AFTER FIELDS MUST BE BLANK
   5H - CONFLICTING DATA ENTERED. ONLY ADM/DR AREA OR LOCATION IS ALLOWED FOR EACH REQUEST.
   5M - DUPLICATE MESSAGE CODE NOT ALLOWED
   5N - REQUEST LIMIT EXCEEDED
                                    * * * * * *  END OF REPORT  * * * * * *
                                                   PROPRIETARY
                                      BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 650-6. Audit Report for YDTS650: TS-EDP - Generate Facility Summary Data Integrity Report

650.5 Abnormal Termination

The following situations will result in termination of the process:

Condition Code 2007 - No Header Record Found For File Name.

This condition code may be the result of improper sort of data, program did not start at first tape, prior program did not complete correctly, or other processing malfunctions.

Condition Code 2009 - Invalid Header Record Found On Filename.

This condition code may indicate that there is a mismatch on the CPU ID between the input card and the data being accessed, the control date does not match the header record, or the header record date is outside the range dictated by TDIS logic.

Condition Code 2012 - Error Condition Encountered from PLISRT.

This condition code is returned if the internal sort routine fails. “Illegal Condition Code ‘‘XX’’ Returned from PLISRT’’ will appear on the EDP Report.

Condition Code 2019 - Sequence Error Encountered in File MFACSUM.

The facility header information could not be found for the listed facility ID.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE

The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

Condition Code 2043 - Input Request Missing or Invalid.

This condition code is produced when any update is invalid or no updates were supplied. A corrected transmittal is required to restart the process.

700. YDTS700 - Generate Multipoint Circuit Exception Report

700.1 General Description

This procedure uses the Merged Circuit Details Facility Length File (MCDFACID) from the YDTS500 to generate a detailed report of Special Service Circuits that have discrepancies in DR coding among the various segments of the circuit. This information may be used in the verification and/or purification of the TIRKS database.

A multipoint circuit is defined as a group of two or more working Special Service circuits electrically connected together that meet the following criteria:

- The circuits are either Telephone Numbered, Circuit Format of ‘‘T’’ or ‘‘2’’, or Serial Numbered, Circuit Format of ‘‘S’’ or ‘‘3’’.
- The Circuit IDs are identical except for the Segment Numbers.
- The Segment Numbers are nonblank and are not duplicated within the Circuit.

Circuit may appear on the output report, TS-IC01, because more than one method of DR coding is, or has been, used by a particular company.

700.2 Program Flow Diagram

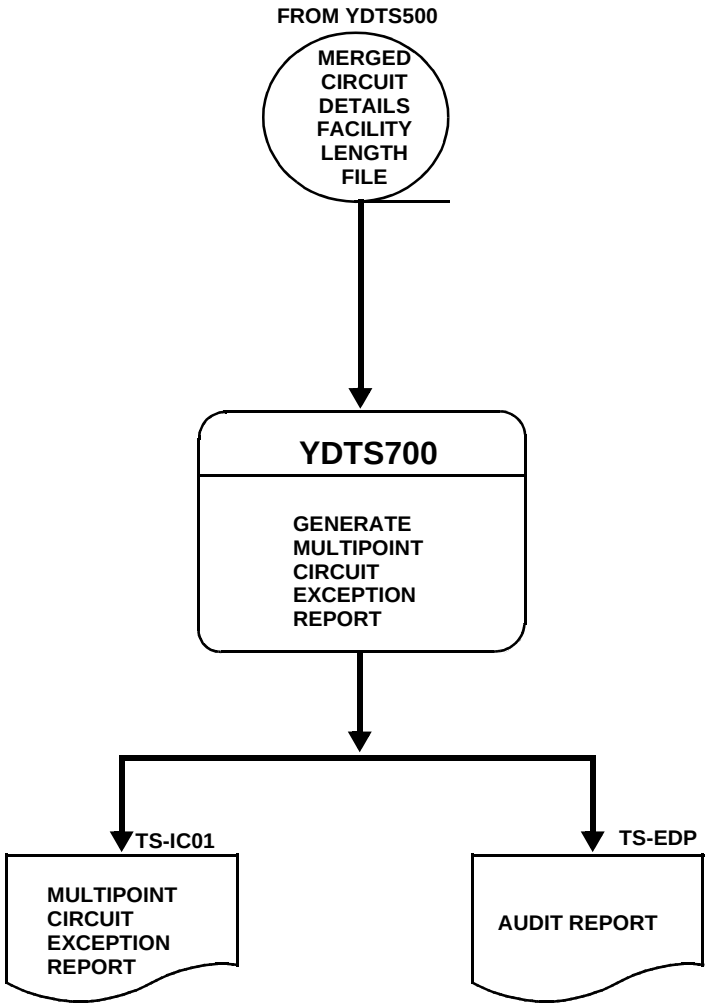

Figure 700-1. YDTS700 Program Flow Diagram

700.3 Inputs

700.3.1 Transmittal to Request the Run

The following information must be input on the transmittal form:

1. RUN DATE - Specify the date this process is to be executed.
2. RUN SEQUENCING REQUIREMENTS - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B contains job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of person(s) to whom the processed reports are to be delivered.

There are no user options associated with YDTS700.

700.4 Outputs

700.4.1 Multipoint Circuit Exception Report: TS-IC01 - Data Analysis

This report will list the prime Circuit ID and all segments for those circuits where a discrepancy in DR Circuit Type coding was detected.

The header of the report will contain the following information:

- In the upper left-hand corner: company name, report name, and control date.
- In the upper right-hand corner: the run folder, program name, and current TDIS release number and actual run date. The TDIS release number will indicate when this process was last revised. Refer to the current SRD to validate this data.

The report title will always be ‘‘Multi-Point Circuit Exception Report’’ and the report columns and content are as follows:

- CKT FORMAT - Entries will be S, T, 2, or 3
- CIRCUIT IDENTIFICATION - Full COMMON LANGUAGE Identification
- SEGMENT # - Alpha or Numeric values assigned during creation of circuit
- CAC - Circuit Access Code
- CPU - Processor where the data originated.
- DR CKT TYPE - The five-character separations code assigned when the order was entered in the TIRKS system.
- SPECIAL SERVICE LOCATION A - Originating location of the circuit.
- SPECIAL SERVICE LOCATION Z - Terminating location of the circuit.
- OPEN FLAG - Indicates if the circuit identified is a open ended circuit. This field will only be populated on special service circuits. The values that will appear are:
  - — “**A**” - Identifies the originating end of the circuit as open ended. Meaning it has two originating locations (location A and location A2), only the primary locations A and Z are printed on this report.
  - — “**Z**” - Identifies the terminating end of the circuit as open ended. Meaning it has two terminating locations (location Z and location Z2), only the primary locations A and Z are printed on this report.
  - — “**B**” - Identifies Both ends of the circuit as open ended. Meaning it has two originating and two terminating locations (location A, location A2, location Z and locations Z2), only the primary locations A and Z are printed on this report.

— '**BLANK**' - Identifies neither end of the circuit is open ended. Meaning it has only one originating and terminating location (location A, and location Z), these primary locations A and Z are printed on this report.

The last page of the TS-IC01 report is the processing summary. The major items on this summary are as follows:

- **Total Multipoint Segments Processed** - The number of individual working Special Service Circuits in the DRP Circuit Details file that have the Segment Number field nonblank.
- **Total Multipoint Circuits Processed** - The number of groups of Special Service Circuits in the DRP Circuit Details file with the Circuit ID matching EXCEPT for the Segment Number field.
- **Total Multipoint Service Exceptions** - The number of individual working Special Service Circuits that are listed on the TS-IC01 report due to conflicting DR Circuit Type data.
- **Total Multipoint Service Exceptions** - The number of groups of working Special Service Circuits listed in the TS-IC01 report due to conflicting DR Circuit Type data.

The counts of Multipoint Service and Segment Exceptions in the processing summary should agree with a manual count of services and segments listed on the TS-IC01 report.

* * * * D R P - T D I S * * * *

COMPANY: BASE - SYSTEST 6.0 ENVIRONMENT (CB) RUN FOLDER: YDTS700
REPORT: TS-IC01 PROGRAM: YDTS700 R-6.0
CONTROL DATE: 04/18/96 RUN DATE: 04/22/96 16:10:42

MULTI-POINT CIRCUIT EXCEPTION REPORT PAGE: 1

CKT FORMAT	CIRCUIT IDENTIFICATION	SEGMENT #	CAC	CPU	DR CKT TYPE	SPECIAL SERVICE LOCATION A	SPECIAL SERVICE LOCATION Z	OPEN FLAG
S	12/LGGS/031196 646/PT /	A	SMP4SC7	CB	ALG51	LGH1NJU2222	LGH1NJMT	B
S		B	SMP4SC8	CB	ALG51	LGH1NJMT	LGH1NJ1B223	
S		C	SMP4SC9	CB	ALG51	LGHPOPDR	LGHPOPDR	
S		D	SMP4SD3	CB	ALG51	LGH1NJMT	LGH1NJMT802	
S		E	SMP4SD4	CB	ALG52	LGH1NJMT	LGH1NJU2222	
S		F	SMP4SD5	CB	ALG53	LGH1NJMT802	LGH1NJ1B223	
S		01	SMP4SD2	CB	ALG51	LGH1NJMT	LGH1NJMT	
S	12/LGSS/031196 980/PT /	D	SMP4SA9	CB	ALG51			
S		E	SMP4SB7	CB	ALG51	PISCNJMT	SMVLNJMT	
S		F	SMP4SB8	CB	ALG53			
S		G	SMP4SB9	CB	ALG52			
S		H	SMP4SC6	CB	ALG56			
S	24/PLNT/031196 714/PT /	A	SMP4RY6	CB	APL12	PISCNJMT	SMVLNJMT	
S		B	SMP4RY7	CB	APL12	PISCNJMT	LGHPOPDR111	
S		C	SMP4RY8	CB	APL13	PISCNJMT	SMVLNJMT	
S		D	SMP4RZ4	CB	APL12	PISCNJMT	SMVLNJMT	
S		IDX	SMP4RY9	CB	APL13	PISCNJMT	SMVLNJMT	
S		000	SMP4RZ2	CB	APL13	PISCNJMT	SMVLNJMT	
S		999	SMP4RZ3	CB	APL13	PISCNJMT	SMVLNJMT	
S	81/FDDZ/31177 /SB /	1	SMN4VQ3	CB	NFL91	FTLDFLMA	FTLDFLSU	
S		2	SMN4VQ4	CB	NFD4Z	FTLDFLMA	FTLDFLSU	
S		3	SMN4VQ5	CB	NFD4Z	FTLDFLMA	FTLDFLSU	

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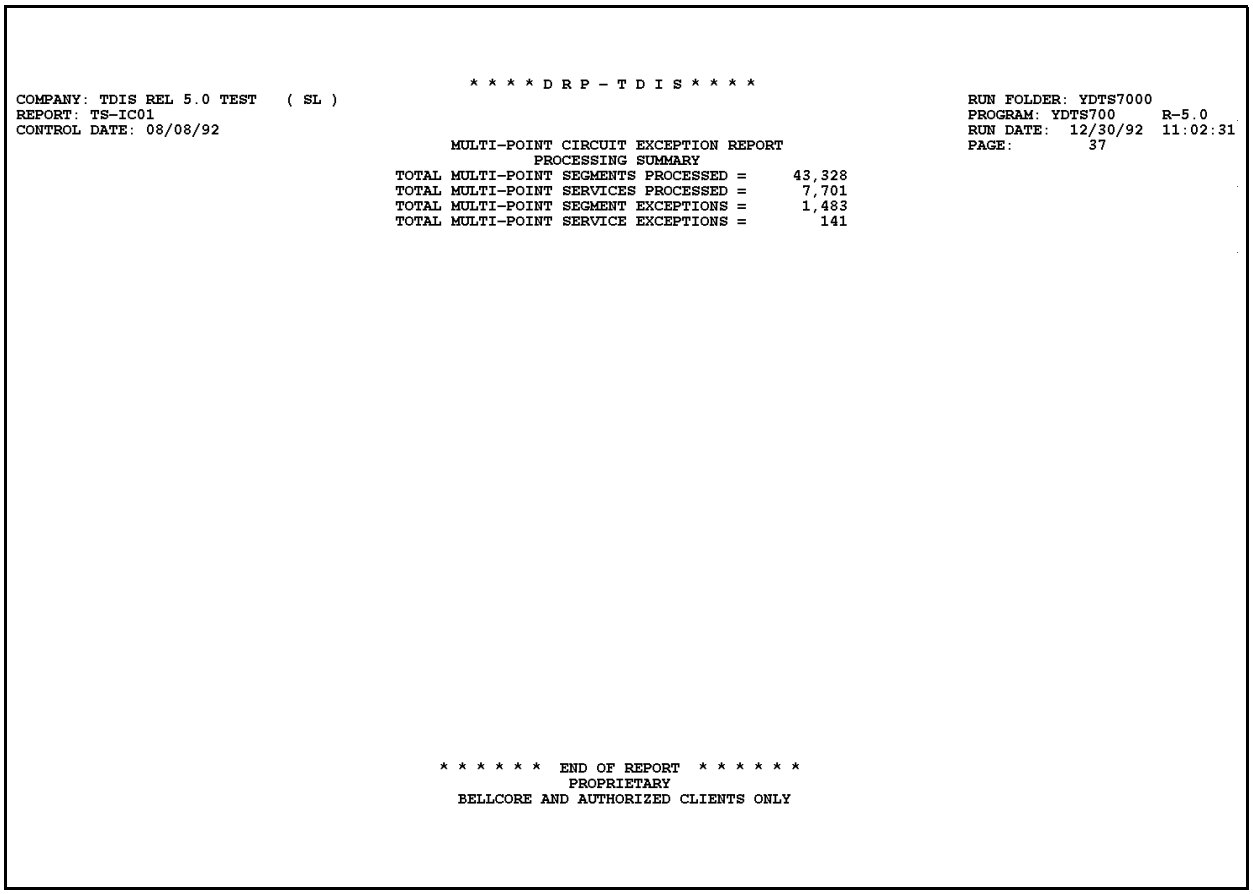
Figure 700-2. Multipoint Circuit Exception Report: TS-IC01 - Data Analysis (Example 1)



```
                                * * * * D R P - T D I S * * * *

COMPANY: TDIS REL 5.0 TEST    ( SL )                          RUN FOLDER: YDTS7000
REPORT: TS-IC01                                               PROGRAM: YDTS700      R-5.0
CONTROL DATE: 08/08/92                                        RUN DATE:  12/30/92  11:02:31
                                                              PAGE:         37
                                  MULTI-POINT CIRCUIT EXCEPTION REPORT
                                          PROCESSING SUMMARY
                              TOTAL MULTI-POINT SEGMENTS PROCESSED =      43,328
                              TOTAL MULTI-POINT SERVICES PROCESSED =       7,701
                              TOTAL MULTI-POINT SEGMENT EXCEPTIONS =       1,483
                              TOTAL MULTI-POINT SERVICE EXCEPTIONS =         141




                            * * * * * *  END OF REPORT  * * * * * *
                                         PROPRIETARY
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```

Figure 700-3. Multipoint Circuit Exception Report: TS-IC01 - Data Analysis (Example 2)

700.4.2 Audit Report: TS-EDP

The audit report summarizes the input and output activity of the YDTS700 process. The major items and checks that should be made are as follows:

DRP Circuit Details Facility Length Records Read, Circuit Header, and Total
This should correspond to the YDTS500 output written to the Merged Circuit Details Facility Length File.

Report TS-IC01 Pages Written
This should equal the number of pages received.

```
                                          * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( SL )                                                                    RUN FOLDER: YDTS7000
REPORT: TS-EDP                                                                                         PROGRAM: YDTS700     R-5.0
CONTROL DATE: 08/08/92                                                                                 RUN DATE:  12/30/92  11:02:31
                                               EDP PROGRAM SUMMARY AND AUDIT REPORT                    PAGE:          2
                                                MULTI-POINT CIRCUIT EXCEPTION REPORT
                          DRP CIRCUIT DETAILS FACILITY LENGTH RECORDS READ:  CIRCUIT    (1) =   1,257,011
                                                                             FACILITY   (2) =     963,728
                                                                             NORMALIZED (3) =      59,084
                                                                             TOTAL          =   2,279,823
                          REPORT TS-IC01 PAGES WRITTEN                                      =          37

                                       * * * * * *  END OF REPORT  * * * * * *
                                                   PROPRIETARY
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```

Figure 700-4. Audit Report: TS-EDP

700.5 Abnormal Termination

The following situations will result in termination of the process:

Condition Code 2007 - No Header Record Found For File Name.

This condition code may be the result of improper sort of data, program did not start at first tape, prior program did not complete correctly, or other processing malfunctions.

Condition Code 2009 - Invalid Header Record Found On Filename.

This condition code may indicate that there is a mismatch on the CPU ID between the input card and the data being accessed, the control date does not match the header record, or the header record date is outside the range dictated by TDIS logic.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE

The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

710. YDTS710 - Create Jurisdictional Category Reports

710.1 General Description

This procedure generates a count of circuits by jurisdictional category to assist the user in complying with FCC data requests. The process uses the Merged Circuit Details Facility Length File (MCDFACID) from YDTS500 and the Jurisdictional Category Table managed by the on-line tables.

The user has complete control over the category names reflected on the report as well as the DR Circuit Types to be associated with that category. The inclusion or exclusion of facilities identified as HICAP is a user-controlled option. When HICAP is to be excluded, input a **Y** on the panel for YDTS710. Records marked as HICAP, indicated by a “S” or “M”, in the HICAP_IND field of the MCDFACID file will be excluded. If HICAP is to be included, enter a **N** on the YDTS710 panel.

710.2 Program Flow Diagram

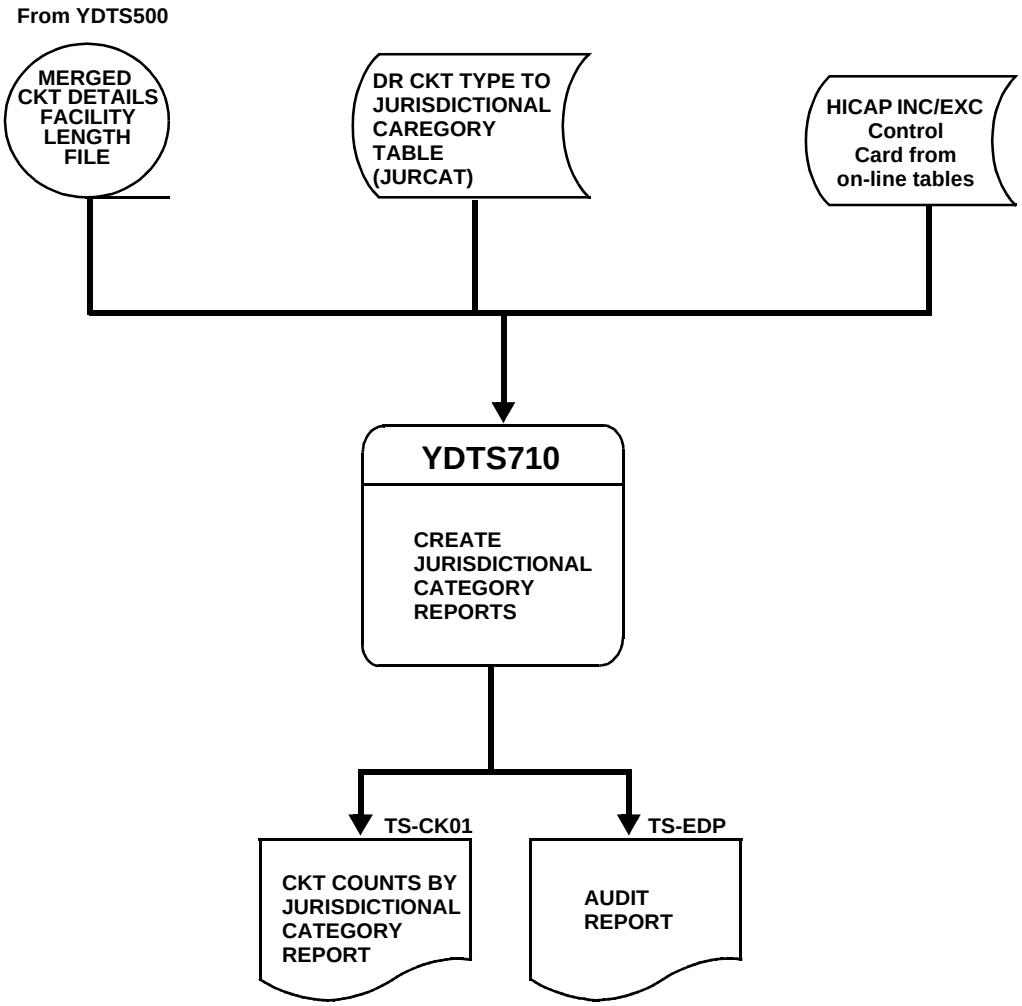

Figure 710-1. YDTS710 Program Flow Diagram

710.3 Inputs

710.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date this process is to be executed.
2. RUN SEQUENCE REQUIREMENTS - If more than one run has been requested, it is necessary to specify the order in which the runs are to be processed. Appendix B contains job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of the person(s) to whom the processed reports are to be delivered.

> **NOTE —** Maintenance of the control card for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL).

710.4 Outputs

710.4.1 Circuit Counts by Jurisdictional Category and Circuit Type: TS-CK01

The heading on this report will contain the following:

- In the upper left-hand corner: company name, report name, control date, and state code (Study Area).
- In the upper run folder: program name/TDIS release number, run date, and page number. The TDIS release number indicates the last time this process was changed.

Refer to the current RCL to validate this information.

The body of the report will contain data under the following column headings:

- JURISDICTIONAL CATEGORY - This description will be reflected verbatim as input on the JURCAT on-line table. A ‘‘TOTAL’’ will be reflected for all ‘‘count’’ columns each time the category changes.
- DR CKT TYPE - This column will list the DR Circuit Types that the user has defined to be associated with the previous category description. If a DR Circuit Type is listed on the control table but no associated circuit was found, it will not be reflected on this report. DR Circuit Types not included in a category are assigned a category of ‘‘UNKNOWN’’.

  Any DR Circuit Type found in the data used to generate this run that was not included on the Category Table will be listed at the end of this report under the category of ‘‘UNKNOWN’’. This data may be used by the TDIS user to update the category table prior to the next processing cycle or manually adjust the counts provided on the report.
- INCLUDED CIRCUITS - This column will provide a count of circuits associated with each of the previous DR Circuit Types. These counts are further broken down into the following categories:
  - — WITHOUT FACS - This column reflects the number of circuits that did not have facilities assigned.
  - — TIE ONLY FAC - This column reflects the number of circuits associated with only TIE facilities.
  - — CABLE ONLY FACS - This column reflects the number of circuits that were assigned to only cable facilities.
  - — CARRIER ONLY FACS - This column reflects the number of circuits that were assigned to only carrier systems.

— MIXED - TIE, CBL & CXR FACS - This column reflects the number of circuits that were assigned to more than one type of facility.

```
                                                   * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                                              RUN FOLDER: YDTS7100
REPORT: TS-CK01                                                                                                  PROGRAM: YDTS710     R-5.0
CONTROL DATE: 10/15/92                                                                                           RUN DATE:  12/16/92  07:19:38
                                            CIRCUIT COUNTS BY JURISDICTIONAL CATEGORY AND CIRCUIT TYPE           PAGE:         1
STATE CODE:
                DR                                                               MIXED     HI-CAP &  HI-CAP &  HI-CAP &  HI-CAP &
JURISDICTIONAL  CKT   INCLUDED  WITHOUT   TIE       CABLE     CARRIER   TIE,CBL & TIE       CABLE     CARRIER   MIX-TIE   HI-CAP
CATEGORY        TYPE  CIRCUITS  FACS      ONLY FACS ONLY FACS ONLY FACS CXR FACS  ONLY FACS ONLY FACS ONLY FACS CBL & CXR ONLY FACS
--------------- ----- --------- --------- --------- --------- --------- --------- --------- --------- --------- --------- ---------
CARRIER         CXRXA         1         1
TOTAL                         1         1

PRIVATE LINE ST NPL12         2         2
TOTAL                         2         2

TOLL/NON-TOLL   MSGIS         2         2
TOTAL                         2         2

UNKNOWN                      17        17
UNKNOWN           i           1         1
UNKNOWN                     627       626                   1
UNKNOWN         N             1         1
UNKNOWN         NND16         2         2
UNKNOWN         RTDR1         1         1
UNKNOWN                      31        31
TOTAL                       680       679                   1

STATE TOTAL                 685       684                   1




                                                             PROPRIETARY
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```

Figure 710-2. Circuit Counts by Jurisdictional Category and Circuit Type: TS-CK01

The audit report summarizes the input and output activities of the YDTS710 process. Major items and checks to be made are as follows:

The input data option from the YDTS710 panel will be reflected below the ‘‘Card Column’’ line on the report followed by any message codes that were generated. The following message codes may be encountered:

5A - Indicated Field Is Invalid
The data in question will be underlined to assist the user in initiating necessary corrections.

5B - Required Field Missing
The transmittal is lacking critical data necessary to initiate the process.

5E - Spaces Between Or After Fields Must Be Blank
This indicates typing errors. Review the transmittal form and resubmit.

5N - Request Limit Exceeded
More than one HS card has been submitted.

The following items are for verifying the accuracy and completeness of the process:

Circuit Details Facility File (MCDFACID) Records Read: Circuit, Facility, and Total
These should correspond to the records written by the YDTS500.

Circuit Records Read: Type, Working and Non-Working
These columns will reflect the number of working/non-working carrier, message, and special service circuits encountered during processing.

Last Jurisdictional Category Table Update
This should be the date the JURCAT table was updated.

Jurisdiction Category Table Generation Number
This is the generation number selected on the version selection panel.

Jurisdictional Category Table Records Read
This should equal the number of table records in the current JURCAT table.

710.4.2 Audit Report: TS-EDP

The audit report summarizes the input and output activities associated with the YDTS710 process.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: ENTER COMPANY NAME   ( CB )                                                    RUN FOLDER: YDTS710
REPORT: TS-EDP                                                                          PROGRAM: YDTS710     R-5.1
CONTROL DATE: 10/04/93                                                                  RUN DATE:  10/22/93  10:18:03
                                      EDP PROGRAM SUMMARY AND AUDIT REPORT              PAGE:         2
                                            CIRCUIT COUNT REPORT
                           7100
                            ID  X
                           ---- -
                                    1         2         3         4         5         6         7         8      ERROR
          CARD COLUMNS     12345678901234567890123456789012345678901234567890123456789012345678901234567890     MESSAGES
                           7100 N


               CIRCUIT DETAILS FACILITY FILE(MCDFACID) RECORDS READ: CIRCUIT  (1)    =             201,535
                                                                     FACILITY (2)    =             188,788
                                                                     NORM     (3)    =              18,705
                                                                     TOTAL           =             409,028
                     CIRCUIT RECORDS READ: TYPE                      WORKING
                                           CARRIER          =         20,100
                                           MESSAGE          =        109,298
                                           SPECIAL          =         72,137
                                      LAST JURISDICTIONAL CATEGORY TABLE UPDATE:        10/21/93
                                      JURISDICTIONAL CATEGORY TABLE GENERATION NUMBER   G0002V00
                                      JURISDICTIONAL CATEGORY TABLE RECORDS READ   =          53



MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID.
   5B - REQUIRED FIELD IS MISSING.
   5E - SPACES BETWEEN OR AFTER FIELDS MUST BE BLANK.
   5M - DUPLICATE GROUP CODES NOT ALLOWED.
   5N - ONLY ONE REQUEST IS ALLOWED.
```

Figure 710-3. Audit Report: TS-EDP

710.5 Abnormal Termination

The following situations will result in termination of the process:

Condition Code 2007 - No Header Record Found For File Name.

This condition code may be the result of improper sort of data, program did not start at first tape, prior program did not complete correctly, or other processing malfunctions.

Condition Code 2009 - Invalid Header Record Found On Filename.

This condition code may indicate that there is a mismatch on the CPU ID between the input card and the data being accessed, the control date does not match the header record, or the header record date is outside the range dictated by TDIS logic.

Condition Code 2012 - Error Condition Encountered from PLISRT.

This condition code is returned if the internal sort routine fails. “Illegal Condition Code ‘‘XX’’ Returned from PLISRT’’ will appear on the EDP Report.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE

The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

715. YDTS715 - Create Local Transport Reports

715.1 General Description

This procedures uses the Merged Circuit Details Facility Length File (MCDFACID) from YDTS500 and the Jurisdictional Category Table (JURCAT) to identify the following transport types for working circuits:

- Common - Circuits and trunks between BCC offices
- Dedicated - Circuits and trunks between BCC offices and Interexchange Carrier (IXC) Locations
- Pop to Pop - Circuits and trunks between IXC locations
- OPEN END - Circuits that are open ended on either the originating, terminating, or both sides. Open ended circuits, are circuits where at least one of the ends of the circuit connects to a different interexchange carrier at two unique points.
- Unknown - Circuits and trunks for which the circuit terminal location A and/or Z could not be identified as BCC or IXC.

The CLLI location codes for the A and Z terminal points in the Circuit ID (for message and carrier circuits) and the special service locations A and Z (for special service circuits) are used to make the distinction between BCC and IXC locations as follows:

If positions 10-11 of the CLLI location code are ‘‘MD’’, the terminal is a facility type and considered to be IXC.

Example: *MD - Where * is A-Z or 0-9

If Position 9 of the CLLI location code is ‘‘W’’, it indicates a message trunk type terminal location and is considered to be IXC.

Example: W** - Where * is A-Z or 0-9

If position 9 of the CLLI location code is ‘‘X’’ and position 11 is ‘‘X’’ or ‘‘Y’’, it indicates an IXC location.

Example:X*X - Where * is A-Z or 0-9 OR X*Y

After the above determinations have been made to indicate the type of transport, the JURCAT table is used to summarize the data into jurisdictional categories.

715.2 Program Flow Diagram

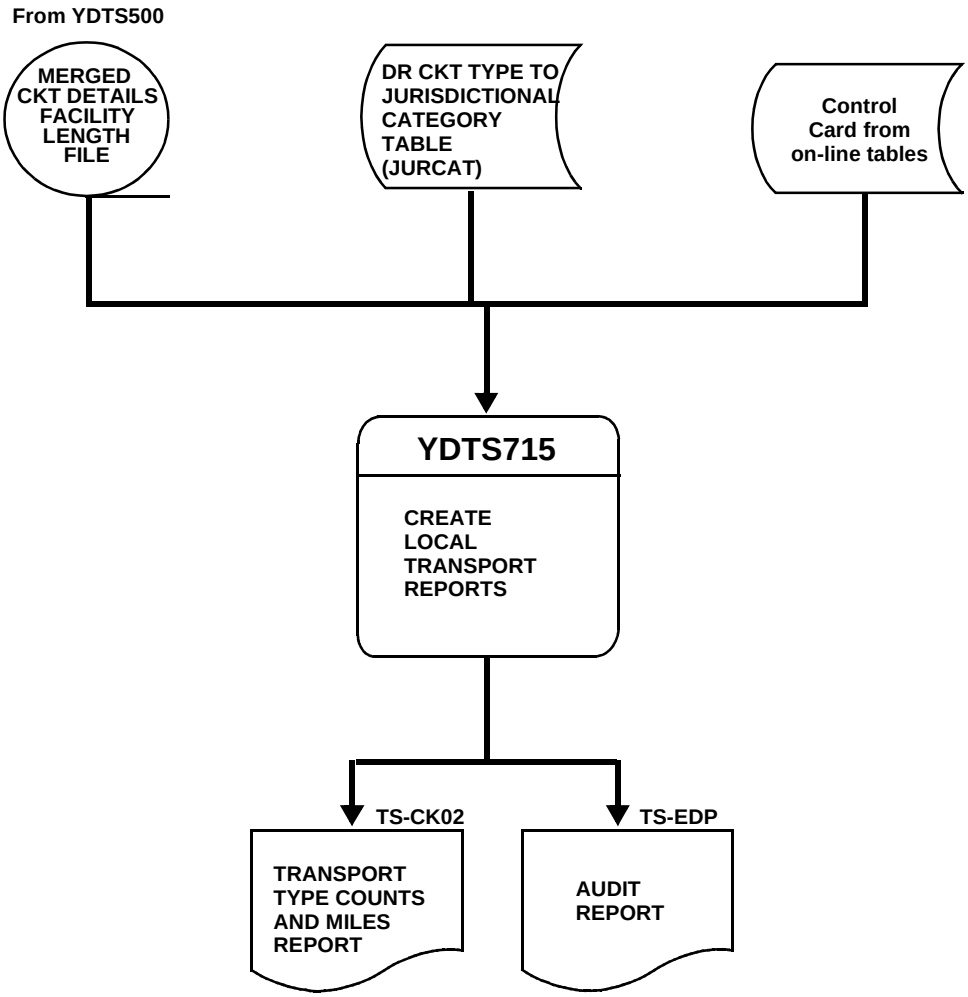

Figure 715-1. YDTS715 Program Flow Diagram

715.3 Inputs

715.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date this process is to be executed.
2. RUN SEQUENCE REQUIREMENTS - If more than one run has been submitted, it is necessary to specify the order in which the runs are to be performed. Appendix B contains job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of the person(s) to whom the processed reports are to be delivered.

> **NOTE —** Maintenance of the control card for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL).

715.4 Outputs

715.4.1 Transport Type Circuit Counts and Miles: TS-CK02

The heading of this report will contain the following information:

- In the upper left-hand corner: company name, report name, control date, and DR study area.
- In the upper right-hand corner: run folder, program name/TDIS release number, run date, and page number. The TDIS release number indicates the last time this process was changed.

Refer to the current RCL to validate this information.

Data will be displayed on the report under the following column headings:

- TYPE OF TRANSPORT - This column will contain the transport type as determined by the previously discussed TDIS logic.
- JURISDICTIONAL CATEGORY - This column will contain the category as it is populated on the JURCAT Table.
- TYPE CKT - This column will indicate if the circuit is Carrier (CXR), Special Service (SPCL), or Message (MSG) based on the first character of the CAC code.

- CKT TYPE - This column will display the DR Circuit Type as it appears in the database.
- CIRCUIT COUNT - This column will display a count of circuits that meet the criteria of the previous three columns.

  Each time the Circuit Type changes, a total will be reflected under this column. A total will also be calculated each time the Jurisdictional Category changes.
- CLS CODE - The two-character code that resides at the unit level for the circuit being counted.
- CKT MI (DRAREA) - This column will display the Circuit Miles for the DR Area specified on the transmittal form. Up to eight columns of DR Area data may be displayed on the report.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - SYSTEST 7.0 ENVIRONMENT   ( CB )                        RUN FOLDER: YDTS715
REPORT: TS-CK02                                                         PROGRAM: YDTS715     R-7.0
CONTROL DATE: 03/24/97                                                  RUN DATE:  05/06/97  16:14:10
DR STUDY AREA: NJ                        TRANSPORT TYPE CIRCUIT COUNTS AND MILES        PAGE:         7

 TYPE OF  JURISDICTIONAL  TYPE  CKT   CIRCUIT  CLS   CKT MI
TRANSPORT    CATEGORY     CKT  TYPE    COUNT   CODE   NJ**
--------- --------------- ---- ----- --------- ---- ---------
COMMON    4.HFM           CXR  CXRXA     1,673
                  TOTAL   CXR            1,673
                          SPCL CXRXA       527
                  TOTAL   SPCL             527
    TOTAL 4.HFM                          2,200

DEDICATED MS EX           MSG  MSGK1        31
                  TOTAL   MSG              31
    TOTAL MS EX                            31

DEDICATED UNKNOWN         CXR              15
                          CXR  ALG12        3
                          CXR  ALG15        2
                          CXR  NPCXR        5
                  TOTAL   CXR              25
                          MSG  MSGIS        1
                  TOTAL   MSG               1
                          SPCL             11
                          SPCL ALC12        1
                          SPCL MSGST       11
                  TOTAL   SPCL             23
    TOTAL UNKNOWN                          49

DEDICATED 4.HFM           CXR  CXRXA       62
                  TOTAL   CXR              62
                          SPCL CXRXA        3
                  TOTAL   SPCL              3
    TOTAL 4.HFM                            65

POP - POP MS EX           MSG  MSGK1       10
                  TOTAL   MSG              10
    TOTAL MS EX                            10

POP - POP 4.HFM           CXR  CXRXA        2
                  TOTAL   CXR               2
                          SPCL CXRXA       15
                  TOTAL   SPCL             15
    TOTAL 4.HFM                            17

OPEN END  UNKNOWN         SPCL AHC11        7
                  TOTAL   SPCL              7
    TOTAL UNKNOWN                          7


                                                    PROPRIETARY
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```

Figure 715-2. Transport Type Circuit Counts and Miles: TS-CK02

715.4.2 Audit Report: TS-EDP

The audit report summarizes the input and output activities associated with the YDTS715 process. Major items and checks to be made are as follows:

For multi-CPU companies, the first page of the audit report will reflect the File Name, CPU ID, and Control Date. A matrix is also provided that reflects the Max and Min date for each CPU and the difference in days. This difference must be 8 days or less.

The second page of the EDP report provides an image of all input cards, any associated message codes that were generated, and a summary of the input cards read, accepted, and rejected. Rejections should not occur; if they do Bellcore should be notified.

Message codes that may be encountered are as follows:

5A - Indicated Field is Invalid

5B - Required Field is Missing

5E - Spaces between or after Fields Must be Blank

5M - Duplicates Not Allowed

5N - Only One Request is Allowed.

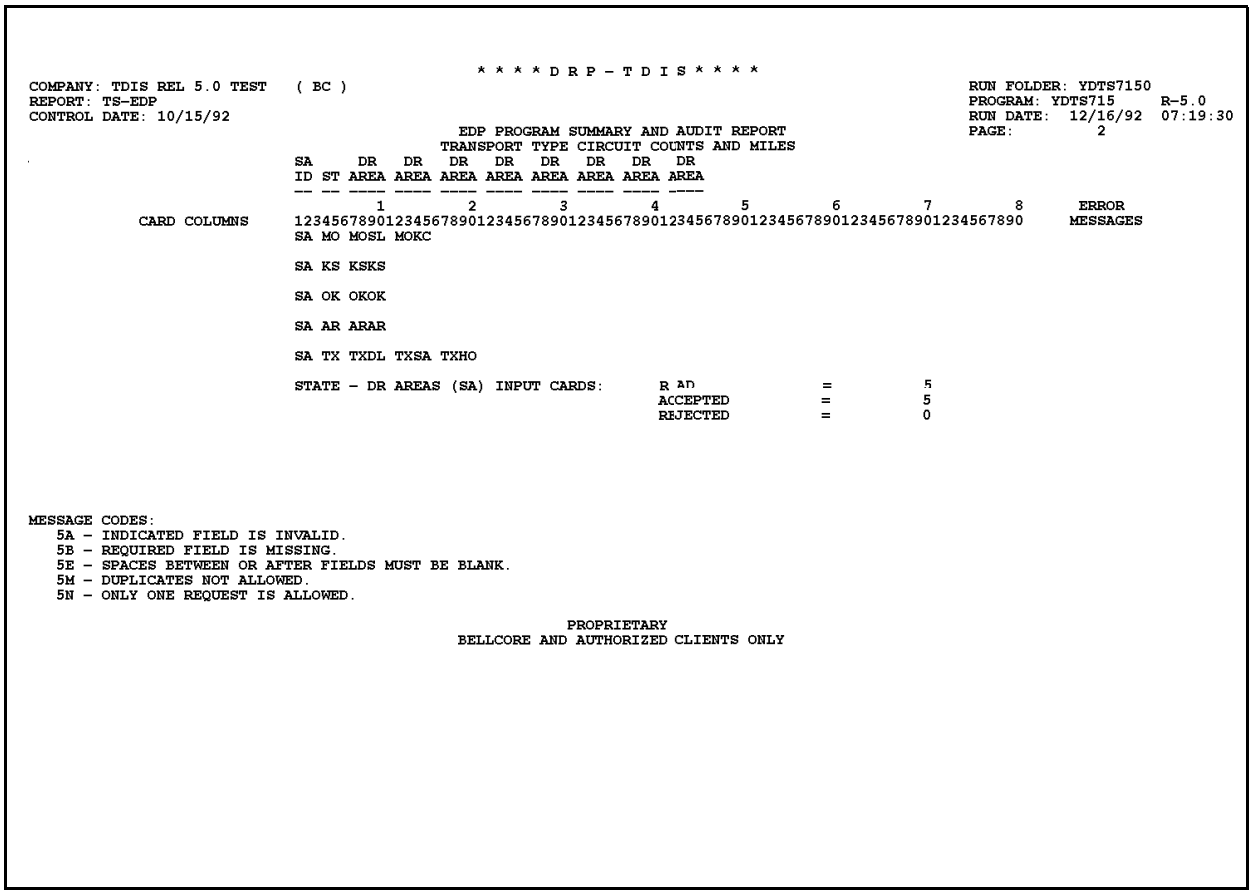
The third page of the EDP report provides the processing summary of the following:

Circuit Details Facility File (MCDFACID) Records Read: Circuit, Facility, and Total
These values should correspond to the records written by the YDTS500 process.

Circuit Records Read: Type, Working and Non-Working
These columns are further broken down into Carrier, Message Special, and Other.

Last JURCAT Table Update
This is the date of the update for the specified generation.

JURCAT Table Records Read
This should equal the number of table records in the current JURCAT table.



```
                                        * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                    RUN FOLDER: YDTS7150
REPORT: TS-EDP                                                                         PROGRAM: YDTS715     R-5.0
CONTROL DATE: 10/15/92                                                                 RUN DATE:  12/16/92  07:19:30
                                                                                       PAGE:          2
                                    EDP PROGRAM SUMMARY AND AUDIT REPORT
                                  TRANSPORT TYPE CIRCUIT COUNTS AND MILES
                          SA      DR   DR   DR   DR   DR   DR   DR   DR
                          ID ST AREA AREA AREA AREA AREA AREA AREA AREA
                          -- -- ---- ---- ---- ---- ---- ---- ---- ----
                                   1         2         3         4         5         6         7         8      ERROR
              CARD COLUMNS 12345678901234567890123456789012345678901234567890123456789012345678901234567890  MESSAGES
                          SA MO MOSL MOKC

                          SA KS KSKS

                          SA OK OKOK

                          SA AR ARAR

                          SA TX TXDL TXSA TXHO

                          STATE - DR AREAS (SA) INPUT CARDS:      R AD            =          5
                                                                  ACCEPTED        =          5
                                                                  REJECTED        =          0



MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID.
   5B - REQUIRED FIELD IS MISSING.
   5E - SPACES BETWEEN OR AFTER FIELDS MUST BE BLANK.
   5M - DUPLICATES NOT ALLOWED.
   5N - ONLY ONE REQUEST IS ALLOWED.

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                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 715-3. Audit Report: TS-EDP

715.5 Abnormal Termination

The following situations will result in termination of the process:

Condition Code 2007 - No Header Record Found For File Name.

This condition code may be the result of improper sort of data, program did not start at first tape, prior program did not complete correctly, or other processing malfunctions.

Condition Code 2009 - Invalid Header Record Found On Filename.

This condition code may indicate that there is a mismatch on the CPU ID between the input card and the data being accessed, the control date does not match the header record, or the header record date is outside the range dictated by TDIS logic.

Condition Code 2012 - Error Condition Encountered from PLISRT.

This condition code is returned if the internal sort routine fails. “Illegal Condition Code ‘‘XX’’ Returned from PLISRT’’ will appear on the EDP Report.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE

The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

Condition Code 2043 - Input Request Missing or Invalid.

This condition code is produced when any update is invalid or no updates were supplied. A corrected transmittal is required to restart the process.

720. YDTS720 - TDIS Interface for the Replacement of Stars

720.1 General Description

720.1.1 TDIS to STRAPS Interface for Tandem Matrix Model

This procedure processes the Merged Circuit Details Facility Length File (MCDFACID) from YDTS500 to create either a STRAPS interface file or a network file of trunks with the count of trunks in the group and the accumulated mileage for the group. During the development of the file(s) the process will identify the following:

- Message trunks in and out of a tandem location, excluding those trunks that are classified as non-revenue producing.
- Message trunks to or from an Other Common Carrier (OCC) location.
- End Office (EO)-to-EO that is not pure local traffic.
- The configuration code (described later in this section).
- The miles within the requested study areas and a count of the trunks.

The elements used to drive the selection and the decision process are as follows:

- DR circuit types supplied by the user on the DR Circuit Type (DRDD) table. The list of circuit types should be for revenue-producing trunks only. It is necessary to identify two types of DR circuit types, pure exchange and interexchange.

  NOTE — Do not include remote host in either list.

- A list of interexchange group codes read from the GRPCODE table.
- State and DR AREA information from the DRAREA table.
- The LATA codes at the terminal ends of the trunk from the LATA table..
- COMMON LANGUAGE identification to identify POPs offices.
- Independent circuits are identified by a POP_IND equal to “I” for either the A location or the Z location of the circuit. POP_IND is part of the LATA information stored on TDIS records for locations and is populated from the LATA Table in the TDIS-Online Table Update system.
- Tandem locations will be identified by the COMMON LANGUAGE convention of a ‘‘T’’ in the 11th position of location code or by the office class as defined on the trunk. Therefore, a trunk that has an office class of 1 to 4 is determined to be a tandem location. A POP will override the office class test for a tandem.

- Switched access provisioned under special service formats, e.g., ENFIA and FGA, SB and SD type service codes, and Wide Area Telephone Service (WATS) will be ignored.
- Any POP-to-POP configurations are not to be included in this output.

CONFIGURATION CODES

The configuration code is made up of two parts. The first part, the first four characters, is the traffic configuration. The second part, the last two characters, is the facility configuration and is based on group codes. The following list identifies various configuration codes that may result:

1. INTRAB - Intrabuilding trunks to be extended from TMM but included in cat 2 calculations.
2. EO-EX - EO exchange facility trunk group.
3. EO-IX - EO interexchange facility trunk group.
4. TNXBIX - Bell tandem interexchange facility trunk group with no cross-boundary tributaries.
5. TNXBEX - Bell tandem exchange facility trunk group with no cross-boundary tributaries.
6. ACC-EX - Exchange facility trunk group to or from a POP.
7. ACC-IX - Interexchange facility trunk group to or from a POP.
8. TWXBEX - Bell tandem exchange facility group with cross-boundary tributaries.
9. TWXBIX - Bell tandem interexchange facility group with cross-boundary tributaries.
10. DTXBEX - Directly terminated exchange facility cross-boundary facility.
11. DTXBIX - Directly terminated interexchange facility cross-boundary facility.
12. CORRIX - Interexchange facility group to or from an EO or tandem in a corridor state.
13. INXBEX - Independent tandem exchange facility group with no cross-boundary tributaries.
14. IWXBEX - Independent tandem exchange facility group with cross-boundary tributaries.
15. INXBIX - Independent tandem interexchange facility group with no cross-boundary tributaries.
16. IWXBIX - Independent tandem interexchange facility group with cross-boundary tributaries.

17. NOCxxx - Normalized Office Code (NOC). The NXX codes served by a multifunction (Cat 2/3) switch. (Not identified by TDIS.)
18. EOK1EX - Pure local trunks in CAT 2 exchange facility local cable and wire facilities and Cat 4.12 exchange local circuit equipment.

The process works in two steps. The first step determines the preliminary classification code for two-end and one-end tandems as well as for EO-to-EO or POP. The second program may reclassify tandem-to-tandem trunks if either has cross-boundary traffic. This reclassification is based on the direction of the trunk traffic flowing away from the office that has the cross-boundary traffic.

YDTS720 uses the following TDIS files:

- MERGED CIRCUIT DETAILS FACILITY FILE from YDTS500
- DRP DRDD TABLE.

YDTS720

The YDTS720 program performs the following generalized functions.

From the MCDFACID file, select all message trunks that have a working status. Nonworking trunks are placed on a file for the ‘‘EXCLUDED TRUNK REPORT’’ (TS-ST04) with the message ‘‘NOT A WORKING CIRCUIT’’. For working trunks, the DR Circuit Type must match either an exchange or interexchange type supplied by the user on the DRDD table. If the circuit type cannot be found in either table, it is written to the file for the ‘‘EXCLUDED TRUNK REPORT’’ with the message ‘‘TYPE NOT REQUESTED’’.

Next, tandems and EOs are identified. If during the identification of tandems and EOs it is found that both ends are POPs, then the trunk is written to the excluded report file with the message ‘‘POP to POP’’.

Then the five-character LATA codes are examined to determine if the data is suitable. BCC-to-BCC over LATA boundaries is considered unacceptable because we are dealing with revenue-producing trunks. It is acceptable for independent or POPs to cross LATA boundaries when they home on tandems. The exception to BCC-to-BCC interLATA is the case of CORRIDOR trunks that are allowed to cross LATA bounds; these are not rejected. Trunks that are identified as CORRIDOR are written to a file for the ‘‘CORRIDOR REPORT’’ (TS-ST03).

Trunks that cross a LATA boundary and have an independent or POP on one end and a tandem on the other end, or are interstate intraLATA, are written to a file for the ‘‘CROSS BOUNDARY TANDEM REPORT’’ (TS-ST02). The data found on this report is filtered to display only the circuit types under examination as input on the DRDD table.

The tandem locations found on this report are used in the reclassification of tandem-to-tandem trunks in the next program (YDTS725).

During the classification process, it is possible that a trunk may qualify for more than one classification code. When this happens, the program will produce a classification code as follows:

1. Tandem-to-Tandem
   - Intrabuilding will be assigned as ‘‘INTRAB’’ and no further classification will be attempted.
   - Set a default to ‘‘TNXB’’.
   - Where there is cross boundary, set it to ‘‘TWXB’’ or ‘‘IWXB’’ if either end is independent.
   - If no cross boundary was found, but at least one end is independent, then set the code to ‘‘INXB’’.
2. One-ended Tandems
   - Intrabuilding will be assigned as ‘‘INTRAB’’ and no further classification will be attempted.
   - Set the default to ‘‘EO--’’.
   - If the circuit type was found in the exchange list the set code to ‘‘EOK1’’.
   - If cross boundary was found, then change to ‘‘DTXB’’.
   - If corridor was found, then change to ‘‘CORR’’.
   - If a POP was found, then change to ‘‘ACC-’’.
3. EOs
   - Check to ensure that the DR Circuit Type is in the IX list of the DCT input. If not, then write the trunk to the excluded file with the reason code ‘‘EO NOT IN IX TABLE’’.
   - Set the default to ‘‘EO--’’.
   - If it is intrabuilding, set the code to ‘‘INTRB’’.
   - If a POP was found, then set the code to ‘‘ACC-’’.

YDTS725

The YDTS725 program performs the following generalized functions.

Once the preliminary file has been constructed, this file is then processed using the list of tandem locations that have been identified in YDTS720 as having cross-boundary traffic, either EOs or other tandems. This list is used to reclassify trunks that are one-way out or two-way from the tandem location having cross-boundary traffic. The classification is changed to either ‘‘TWXB’’ or ‘‘IWXB’’. If the tandem was not found in the list of tandems that have cross-boundary traffic, then no reclassification is done; the preliminary classification is kept.

Print the sorted and summarized report data produced in YDTS720.

720.1.2 TDIS Interface for Use as a Network File Generator

This program may also be used to generate output for those companies that are not using the STRAPS Tandem Matrix Model, but who will be using their own network model. The only constraint to generate this output is that the IX and EX cards should have the same data.

The switch to generate a network or STRAPS output is selected on the YDTS720 panel in the TDIS table system.

720.2 Program Flow Diagram

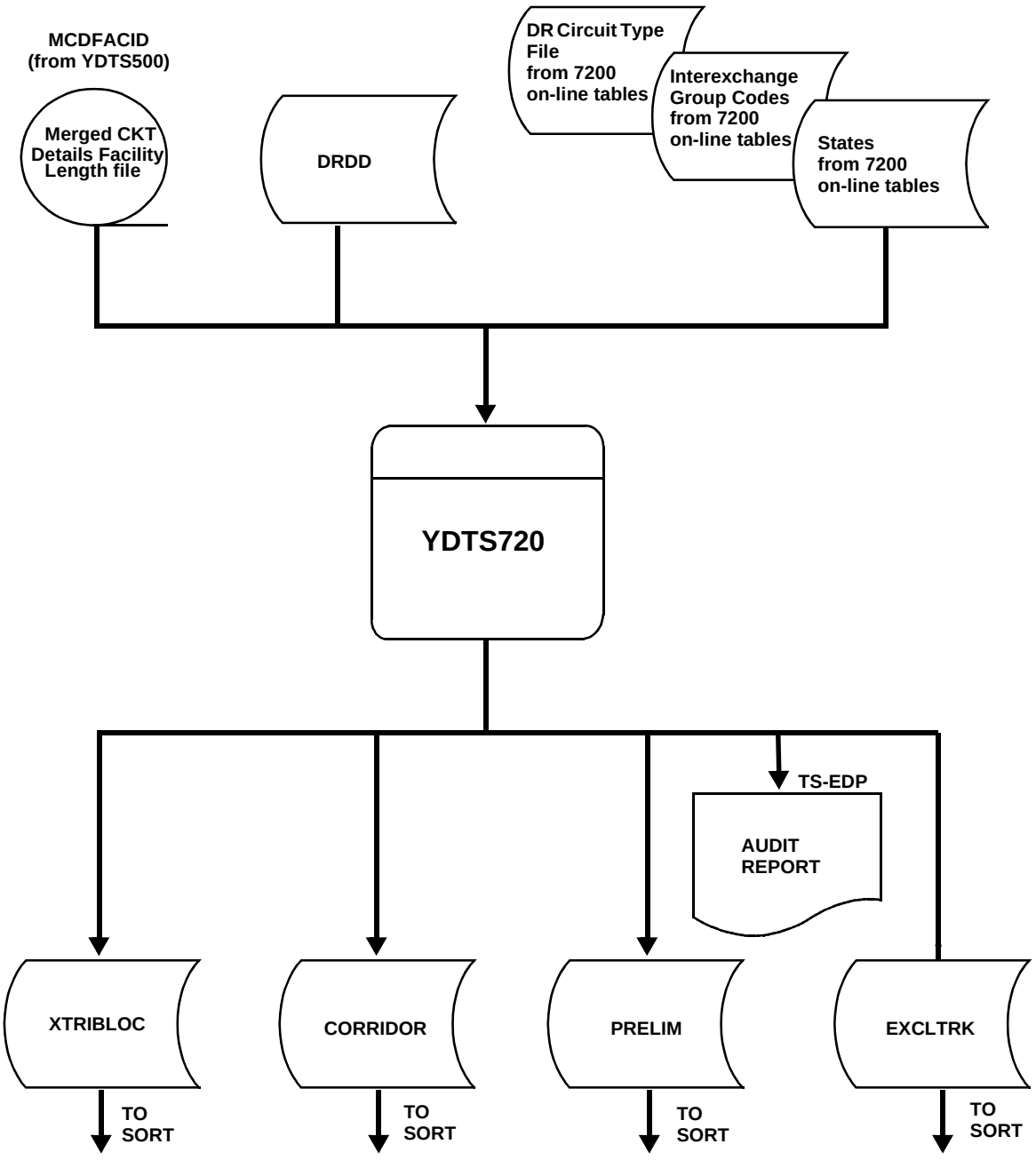


Figure 720-1. YDTS720 Program Flow Diagram

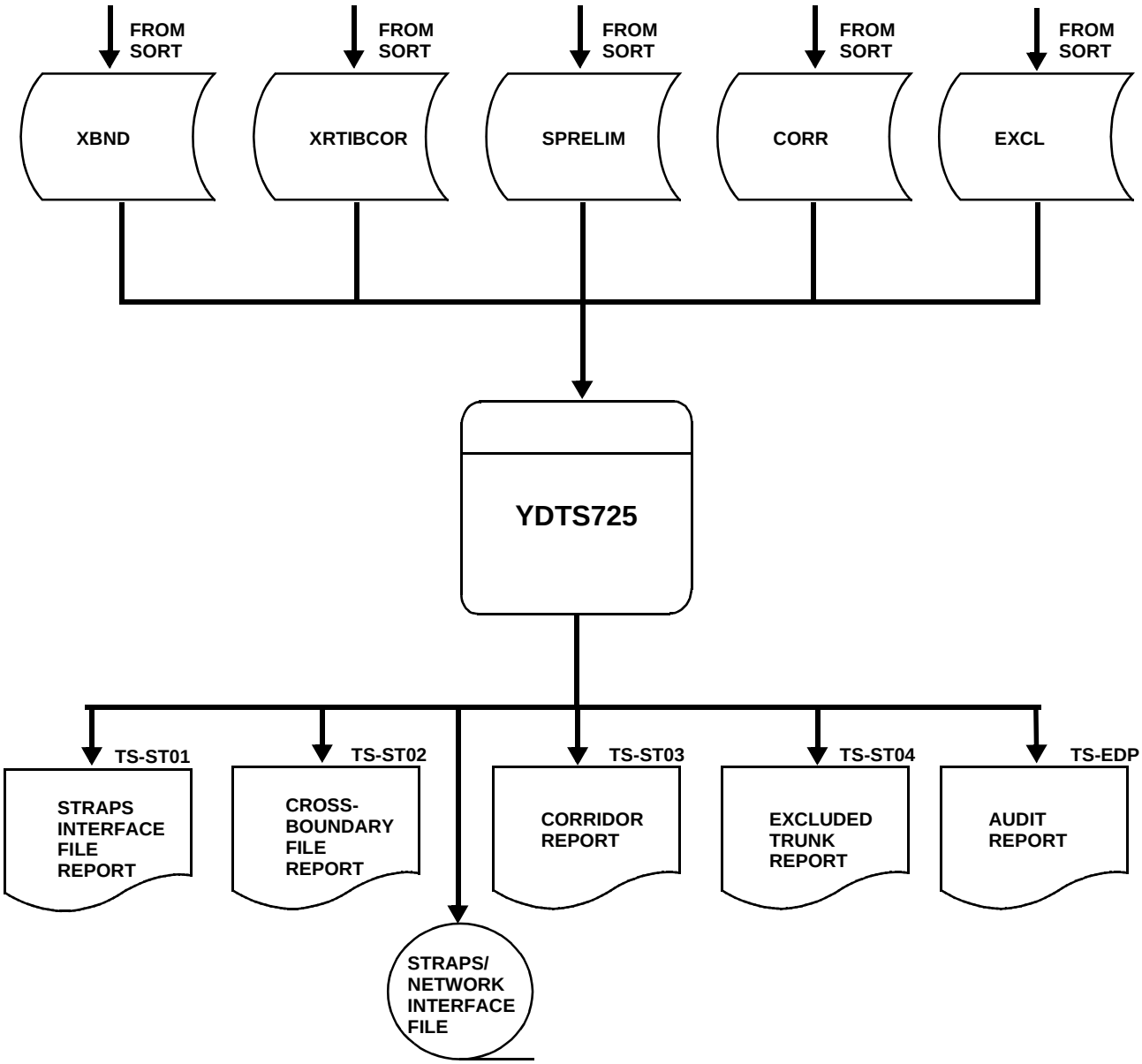


Figure 720-2. YDTS725 Program Flow Diagram

720.3 Inputs

720.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date this process is to be executed.
2. RUN SEQUENCE REQUIREMENTS - If more than one run has been submitted, it is necessary to specify the order in which the runs are to be performed. Appendix B contains job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of the person(s) to whom the processed reports are to be delivered.

> **NOTE —** Maintenance of the control cards for this procedure are now done by the TDIS Online Tables Update Facility (TDIS-TBL).

720.4 Outputs

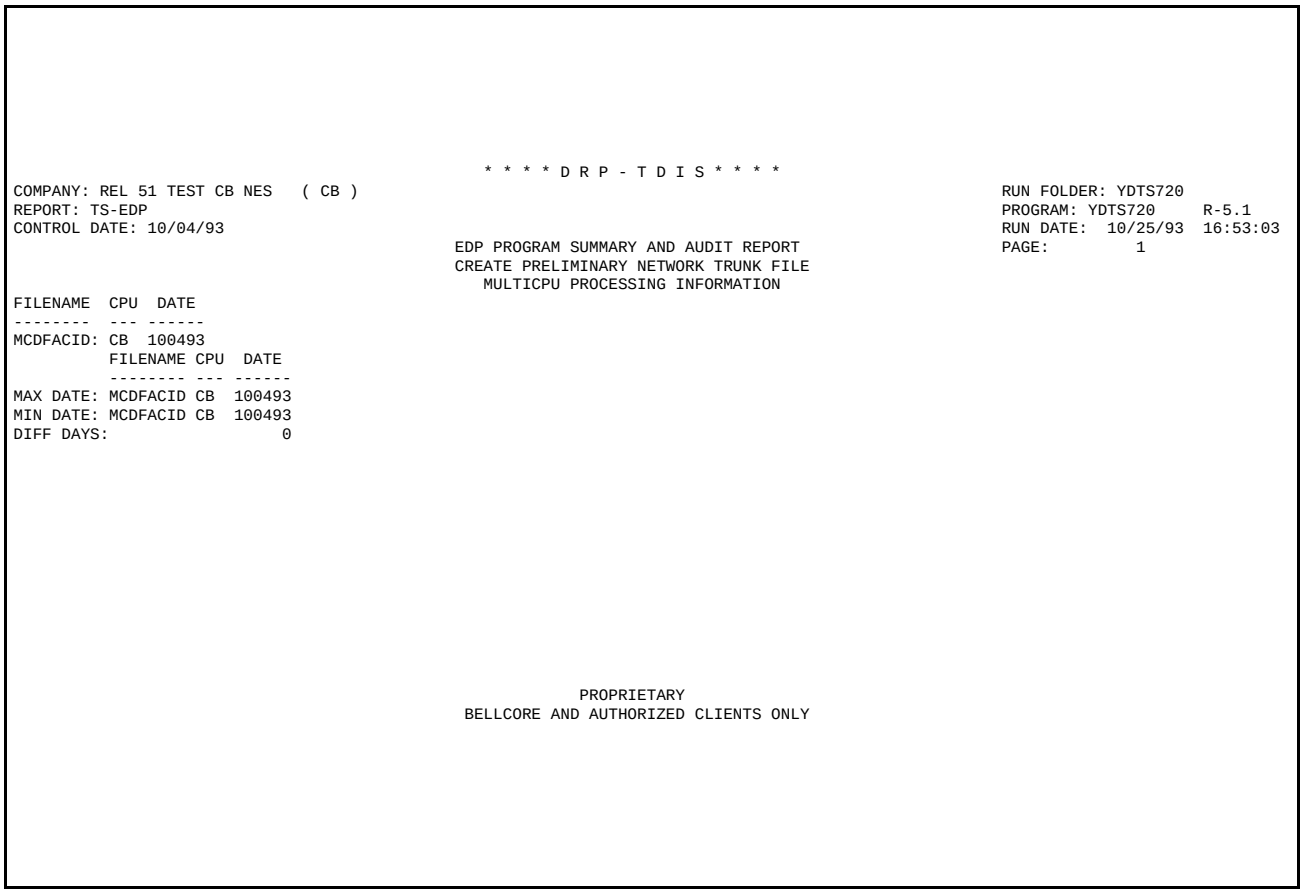
720.4.1 Program YDTS720: TS-EDP - Audit Tracing Information

The TS-EDP report summarizes the input and output activity for the run. A duplication of the IXG, SDA, and DCT TDIS on-line tables input, with errors if detected, is printed on this report.

The report is broken up into multipage output. The pages will be printed in the following order:

1. MULTICPU PROCESSING INFORMATION (Page 1)
   This section lists the control dates of the merged circuit details file brought into the run.
2. 720A CARD (Page 2)
   This displays the type of file chosen for constructions. **Y**= STRAPS. **N** = Network.
3. 720D DR CIRCUIT TYPE CARD VERIFICATION (Page 3)
   This section prints the DR circuit type as received and displays any fields that are in error by underscoring the field and displaying a message code. The key to the message code may be found at the bottom of the page. If a message is generated, call Bellcore.
4. 720C INTEREXCHANGE GROUP CODE VERIFICATION (Page 4)
   This section prints the interexchange group code as received and displays any fields that are in error by underscoring the field and displaying a message code. The key to the message code may be found at the bottom of the page.
5. 720B STATE AND DR AREA VERIFICATION (Page 4)
   This section prints the state DR Area as received and displays any fields that are in error by underscoring the field and displaying a message code. The key to the message code may be found at the bottom of the page.
6. EDP PROGRAM SUMMARY AND AUDIT REPORT (Page 6)
   This section lists the volume counts read and accepted or written. The total count of circuit details records read should match the count from YDTS500. The written counts will be sorted and summed for the YDTS725 program.

If discrepancies are found in audit trail figures, route the TS-EDP report through channels established by the BCC for the duration.



```
                                    * * * * D R P - T D I S * * * *
COMPANY: REL 51 TEST CB NES   ( CB )                                  RUN FOLDER: YDTS720
REPORT: TS-EDP                                                        PROGRAM: YDTS720     R-5.1
CONTROL DATE: 10/04/93                                                RUN DATE:  10/25/93  16:53:03
                                                                      PAGE:         1
                                    EDP PROGRAM SUMMARY AND AUDIT REPORT
                                    CREATE PRELIMINARY NETWORK TRUNK FILE
                                       MULTICPU PROCESSING INFORMATION

FILENAME  CPU  DATE
--------  --- ------
MCDFACID: CB  100493
          FILENAME CPU  DATE
          -------- --- ------
MAX DATE: MCDFACID CB  100493
MIN DATE: MCDFACID CB  100493
DIFF DAYS:                 0




                                          PROPRIETARY
                                   BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 720-3. TS-EDP: Program YDTS720 - Multicpu Processing Information

NOTE — The Control Date in the report heading reflects the month and year (the day is always shown as the 1st) of the creation date of the data input file (MCDFACID). (This applies to all reports that have the Control Date in the heading.)

```
                                        * * * * D R P - T D I S * * * *
COMPANY: REL 51 TEST CB NES   ( CB )                                                    RUN FOLDER: YDTS720
REPORT: TS-EDP                                                                          PROGRAM: YDTS720     R-5.1
CONTROL DATE: 10/04/93                                                                  RUN DATE:  10/25/93  16:53:03
                                    EDP PROGRAM SUMMARY AND AUDIT REPORT                PAGE:         2
                                    CREATE PRELIMINARY NETWORK TRUNK FILE
                          PARM MODEL
                          ID   TYPE
                          ---- -----
                                   1         2         3         4         5         6         7         8      ERROR
           CARD COLUMNS   12345678901234567890123456789012345678901234567890123456789012345678901234567890     MESSAGES
                          720A Y

                          PARM (720A) INPUT CARDS:              READ             =          1
                                                                ACCEPTED         =          1
                                                                REJECTED         =          0




MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID.
   5B - REQUIRED FIELD IS MISSING.
   5E - SPACES BETWEEN OR AFTER FIELDS MUST BE BLANK.
   5M - DUPLICATES NOT ALLOWED.
   5N - MAXIMUM LIMIT EXCEEDED.

                                                PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 720-4. TS-EDP: Program YDTS720 - 720A Card

```
                                        * * * * D R P - T D I S * * * *
COMPANY: REL 51 TEST CB NES   ( CB )                                                    RUN FOLDER: YDTS720
REPORT: TS-EDP                                                                          PROGRAM: YDTS720     R-5.1
CONTROL DATE: 10/04/93                                                                  RUN DATE:  10/25/93  16:53:03
                                      EDP PROGRAM SUMMARY AND AUDIT REPORT              PAGE:         3
                                      CREATE PRELIMINARY NETWORK TRUNK FILE
                            DCT  EX  CKT   CKT   CKT   CKT   CKT   CKT   CKT   CKT   CKT   CKT   CKT
                            ID   IX TYPE  TYPE  TYPE  TYPE  TYPE  TYPE  TYPE  TYPE  TYPE  TYPE  TYPE
                            ---- -- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----
                                     1         2         3         4         5         6         7         8      ERROR
                     CARD COLUMNS   12345678901234567890123456789012345678901234567890123456789012345678901234567890     MESSAGES
                            720D EX LSKCS MSGDA MSGK1 MSGK2

                            720D IX MSGJT MSWST

                            EX/IX DR CKT TYPE(DCT) INPUT CARDS:     READ              =          2
                                                                    ACCEPTED          =          2
                                                                    REJECTED          =          0




MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID.
   5B - REQUIRED FIELD IS MISSING.
   5E - SPACES BETWEEN OR AFTER FIELDS MUST BE BLANK.
   5M - DUPLICATES NOT ALLOWED.
   5N - MAXIMUM LIMIT EXCEEDED.

                                                  PROPRIETARY
                                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 720-5. TS-EDP: Program YDTS720 - 720D DR Circuit Type Verification

```
                                                 * * * * D R P - T D I S * * * *
COMPANY: REL 51 TEST CB NES   ( CB )                                                                          RUN FOLDER: YDTS720
REPORT: TS-EDP                                                                                                PROGRAM: YDTS720     R-5.1
CONTROL DATE: 10/04/93                                                                                        RUN DATE:  10/25/93  16:53:03
                                                EDP PROGRAM SUMMARY AND AUDIT REPORT                          PAGE:         4
                                                CREATE PRELIMINARY NETWORK TRUNK FILE
                             IXG GP GP GP GP GP GP GP GP GP GP GP GP GP GP GP GP GP GP GP GP GP GP GP
                             ID  CD CD CD CD CD CD CD CD CD CD CD CD CD CD CD CD CD CD CD CD CD CD CD
                             --- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
                                      1         2         3         4         5         6         7         8      ERROR
            CARD COLUMNS     12345678901234567890123456789012345678901234567890123456789012345678901234567890     MESSAGES
                             720C I

                             IXG DR GROUP CODE INPUT CARDS:          READ              =          1
                                                                     ACCEPTED          =          1
                                                                     REJECTED          =          0
                             SDA      DR   DR   DR   DR   DR   DR   DR   DR   DR   DR   DR   DR
                             ID   ST AREA AREA AREA AREA AREA AREA AREA AREA AREA AREA AREA AREA
                             ---- -- ---- ---- ---- ---- ---- ---- ---- ---- ---- ---- ---- ----
                                      1         2         3         4         5         6         7         8      ERROR
            CARD COLUMNS     12345678901234567890123456789012345678901234567890123456789012345678901234567890     MESSAGES
                             720B KY CK

                             720B OH CH

                             STATE - DR AREAS (SDA) INPUT CARDS:     READ              =          2
                                                                     ACCEPTED          =          2
                                                                     REJECTED          =          0




                                                             PROPRIETARY
                                                 BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 720-6. TS-EDP: Program YDTS720 - 720C Interexchange Verification and the 720B State and DR Area Verification

```
                                    * * * * D R P - T D I S * * * *
COMPANY: REL 51 TEST CB NES   ( CB )                                  RUN FOLDER: YDTS720
REPORT: TS-EDP                                                        PROGRAM: YDTS720     R-5.1
CONTROL DATE: 10/04/93                                                RUN DATE:  10/25/93  16:53:03
                                                                      PAGE:         5
                                EDP PROGRAM SUMMARY AND AUDIT REPORT
                                CREATE PRELIMINARY NETWORK TRUNK FILE
                  DRP DRDD TABLE INITIALLY LOADED ON                  09/08/93
                  DRP DRDD TABLE LAST UPDATED ON                      09/08/93
                  CIRCUIT DETAILS RECORDS:        READ (TYPE 1)   =    201,535
                  CIRCUIT FACILITY RECORDS:       READ (TYPE 2)   =    188,788
                  NORMALIZED USAGE RECORDS:       READ (TYPE 3)   =     18,705
                                                  TOTAL           =    409,028
                  CIRCUIT DETAILS RECORDS:        ACCEPTED        =     23,071
                  CIRCUIT DETAILS RECORDS:        REJECTED        =    178,464

                  CORRIDOR RECORDS:               WRITTEN         =          0
                  CROSS BOUNDARY TRIB RECORDS:    WRITTEN         =      4,186
                  PRELIMINARY FILE RECORDS:       WRITTEN         =     29,157
                  EXCLUDED TRUNK FILE RECORDS:    WRITTEN         =     91,549
                  ERROR REPORT FILE RECORDS:      WRITTEN         =          0




                            * * * * * *  END OF REPORT  * * * * * *
                                        PROPRIETARY
                                BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 720-7. TS-EDP: Program YDTS720 - EDP Program Summary and Audit Report

720.4.2 Program YDTS725: TS-EDP - Audit Tracing Information

This is a simple EDP report; it has only three counts of data: the count of preliminary records read, preliminary records reclassified, and the number of STRAPS records written.

The number of preliminary records read will not equal the records written from YDTS720 because the records are summed by sort. To see that the counts match, review the sort messages for the preliminary file; they will show the count from YDTS720 and the count into YDTS725.

If discrepancies are found in audit trail figures, route the TS-EDP report through channels established by the BCC for resolution.

```
                                                  * * * * D R P - T D I S * * * *
COMPANY: REL 51 TEST CB NES   ( CB )                                                                           RUN FOLDER: YDTS720
REPORT: TS-EDP                                                                                                 PROGRAM: YDTS725     R-5.1
CONTROL DATE: 10/01/93                                                                                         RUN DATE:  10/25/93  16:55:17
                                                EDP PROGRAM SUMMARY AND AUDIT REPORT                           PAGE:         1


                                 PRELIMINARY RECORDS:           READ                 =                   761
                                 PRELIMINARY RECORDS:           UPDATED              =                     4
                                 STRAPS RECORDS:                WRITTEN              =                   761


                                                * * * * * *  END OF REPORT  * * * * * *
                                                             PROPRIETARY
                                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 720-8. TS-EDP: Program YDTS725 - Audit Tracing Information

720.4.3 Straps Interface File Report Data Analysis: TS-ST01

This report will list all data (either STRAPS or Network) placed in the interface file. The report is sorted by a) DR Area, b) LOCATION, c) FAC DES, and d) TGAC. In addition to the elements the report is sorted on, the following elements appear on the report:

- TRK COUNT - The number in the group
- MILES - All DR Area miles for the state in the state input
- CKT TYPE - DR Circuit Type as found in TIRKS and on the DR Circuit Types input
- TRUNK ID - The trunk ID as found in TIRKS
- A LATA code - LATA code as supplied from the TDIS tables
- Z LATA code - LATA code as supplied from the TDIS tables.

It is possible to be deceived by the printed trunk count. In some cases, this count for a TGAC may be split between two different FAC DES codes.

The development of the FAC DES or classification code was described earlier, but an attempt will be made to further explain this code. The first four characters are developed according to the rules outlined previously for YDTS720. The last two characters are developed from the data found on the DR Group Code input card or are defaulted. When one or more group codes are found on a trunk that match a code found on the DR Group Code input, then the last two characters of the classification are assigned as IX; otherwise they are assigned as EX. In the case of no facilities, the code is assigned as EX.

If some of the trunks on a group ride only exchange facilities, then those trunks will have EX assigned as the last two characters. If the rest of the trunks on the group are provisioned on interexchange facilities, then the last two characters will be assigned as IX. This difference means that a group may have two different classification codes, at least in the last two positions.

The FAC DES is not used when a Network output has been requested.

Tandem trunks may be identified on the report as those lines with the tandem LOCATION nonblank. EO trunks will have the LOCATION as a blank. Tandem-to-tandem trunks, those with code TNXB, INXB, TWXB, or IWXB, will appear twice, first with the LOCATION for the A end of the trunk and then with the LOCATION for the Z end of the trunk.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: REL 51 TEST CB NES   ( CB )                                                                    RUN FOLDER: YDTS720
REPORT: TS-ST01                                                                                         PROGRAM: YDTS725     R-5.1
CONTROL DATE: 10/01/93                                                                                  RUN DATE:  10/25/93  16:55:17
DR STUDY AREA: KY                                    STRAPS INTERFACE FILE REPORT                       PAGE:        1
    LOCATION     FAC DES   TGAC      TRK COUNT   MILES   CKT TYPE                  TRUNK ID                  A LATA      Z LATA

                 ACC-EX    AS013879      24      160.8   MSGJT  0000/PH-5EBMCI    /CNCNOHFB1MD/M-/LKPKKYLPCG0  OH922       KY922
                 ACC-EX    AS014998       4       33.4   MSGJT  0000/PH-5ED----ALN/CNCNOHCW1MD/MM/TBSCOHTODS0  OH922       OH922
                 ACC-EX    AS015309      12       21.6   MSGJT  0000/PH-5ED----ALN/CNCNOHCW1MD/MM/CVTNKYCNCG0  OH922       KY922
                 ACC-IX    AS014921       8       53.6   MSGJT  0000/PH-5ED----ALN/CNCNOHCW1MD/MM/LKPKKYLPCG0  OH922       KY922
                 ACC-IX    AS014998       4       33.6   MSGJT  0004/PH-5ED----ALN/CNCNOHCW1MD/MM/TBSCOHTODS0  OH922       OH922
                 EO--EX    AS007104     182    1,221.8   MSGJT  7101/PH5-EDATX    /LKPKKYLPCG0/MM/CNCNOHWST10  KY922       OH922
                 EO--EX    AS008116     197      269.1   MSGJT  7101/PH5-EDATX    /CVTNKYCNCG0/MM/CNCNOHWST10  KY922       OH922
                 EO--EX    AS008121      69      565.8   MSGJT  7101/PH5-EDATX    /BATVOHBADS0/MM/CNCNOHWST10  OH922       OH922
                 EO--EX    AS012829      24      960.0   MSGJT  4901/DF-5EDATX-SAC/CNCNOHWST10/MM/WLTWKYWTDS0  OH922       KY922
                 EO--EX    AS013531      24       41.4   MSGJT  9001/PH5-EDATX-SDN/CVTNKYCNCG0/M-/CNCNOHWST10  KY922       OH922
                 EO--EX    AS014790      24      196.8   MSGJT  0101/PH-5ED----ATX/CNCNOHWST10/77/TBSCOHTODS0  OH922       OH922
                 EO--IX    AS014790     110      902.0   MSGJT  0125/PH-5ED----ATX/CNCNOHWST10/77/TBSCOHTODS0  OH922       OH922
                 EO--IX    AS016374      12      130.8   MSGJT   701/IH5-EDATX-SAC/FLRNKYFLDS1/M-/CNCNOHWST10  KY922       OH922
                 EO--IX    XS204591       1       42.2   MSGJT  0000/IH-5SLAKD    /EVDLOHEV20W/77/WLTWKYWTDS0  OH922       KY922
    CNCNOHAVDS1  EOK1IX    XS205099       2       36.8   MSGK1  0000/DF54MICRG73  /UNINKYUNDS0/M-/CNCNOHAVDS1  KY922       OH922
    CNCNOHAV02T  EO--EX    AS013359      22      180.4   MSGJT  0000/IF54DD       /WLBGOHWBDS0/M-/CNCNOHAV02T  OH922       OH922
    CNCNOHAV02T  EOK1EX    AS013261      32      262.4   MSGK2  0000/IF54DD       /BATVOHBADS0/M-/CNCNOHAV02T  OH922       OH922
    CNCNOHAV02T  EOK1EX    AS013277      26      213.2   MSGK2  0018/IF54DD       /BETHOHBEDS0/M-/CNCNOHAV02T  OH922       OH922
    CNCNOHAV02T  EOK1EX    AS013299      24      196.8   MSGK2  0000/IF54DD       /HMLTOHHTDS0/M-/CNCNOHAV02T  OH922       OH922
    CNCNOHAV02T  EOK1EX    AS013353       4       32.8   MSGK2  0029/IF54DD       /NWMDOHNRDS0/M-/CNCNOHAV02T  OH922       OH922
    CNCNOHAV02T  EOK1EX    AS013357      26      213.2   MSGK2  0000/IF54DD       /CNCNOHMWDS0/7-/CNCNOHAV02T  OH922       OH922
    CNCNOHAV2GT  DTXBEX    AS013269      10      511.0   MSGJT  0000/PH45DT       /CNCNOHAV2GT/MM/GLCOKYGCDS0  OH922       KY922
    CNCNOHAV2GT  DTXBEX    AS013272       4      120.4   MSGJT  0000/PH45DT       /CNCNOHAV2GT/MM/CRTDKYCTDS0  OH922       KY922
    CNCNOHAV2GT  DTXBEX    AS013383       2      119.8   MSGJT  0000/PH45DT       /CNCNOHAV2GT/MM/WRSWKYWRDS0  OH922       KY922
    CNCNOHAV2GT  DTXBEX    AS013385       5      200.0   MSGJT  0000/PH45DT       /CNCNOHAV2GT/MM/WLTWKYWTDS0  OH922       KY922
    CNCNOHAV2GT  DTXBIX    AS013234       5      153.0   MSGJT  0000/PH54DT       /BTLRKYBRDS0/MM/CNCNOHAV2GT  KY922       OH922
    CNCNOHAV2GT  DTXBIX    AS013244       3      109.2   MSGJT  0000/PH45DT       /CNCNOHAV2GT/MM/FLMOKYFMDS0  OH922       KY922
    CNCNOHAV2GT  DTXBIX    AS013406      24      196.8   MSGJT  0096/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADS0  OH922       OH328
    CNCNOHAV2GT  EOK1EX    AS013224      20      164.0   MSGK2  0030/PH54DT       /BETHOHBEDS0/MM/CNCNOHAV2GT  OH922       OH922
    CNCNOHAV2GT  EOK1EX    AS013230      38      311.6   MSGK2  0000/PH54DT       /BATVOHBADS0/MM/CNCNOHAV2GT  OH922       OH922
    CNCNOHAV2GT  EOK1EX    AS013245      69      448.5   MSGK2  0000/PH45DT       /CNCNOHAV2GT/MM/FTTHKYFTDS0  OH922       KY922
    CNCNOHAV2GT  EOK1EX    AS013279      22      180.4   MSGK2  0000/PH45DT       /CNCNOHAV2GT/MM/HMLTOHHTDS0  OH922       OH922
    CNCNOHAV2GT  EOK1EX    AS013283      38      748.6   MSGK2  0000/PH45TC       /CNCNOHAV2GT/M-/INDPKYINCG0  OH922       KY922
    CNCNOHAV2GT  EOK1EX    AS013330      91      746.2   MSGK2  0000/PH45DT       /CNCNOHAV2GT/77/CNCNOHMWDS0  OH922       OH922
    CNCNOHAV2GT  EOK1EX    AS013333      18      147.6   MSGK2  0018/PH45DT       /CNCNOHAV2GT/MM/NWMDOHNRDS0  OH922       OH922
    CNCNOHAV2GT  EOK1EX    AS013341      24      196.8   MSGK2  0000/PH45DT       /CNCNOHAV2GT/MM/WLBGOHWBDS0  OH922       OH922
    CNCNOHAV2GT  EOK1EX    AS013382      22      466.4   MSGK2  0000/PH45DT       /CNCNOHAV2GT/MM/WLTNKYWLDS0  OH922       KY922
    CNCNOHAV2GT  EOK1IX    AS013223      36      529.2   MSGK2  0000/PH45TC       /CNCNOHAV2GT/M-/ALXNKYALCG0  OH922       KY922
    CNCNOHAV2GT  EOK1IX    AS013285      69      455.4   MSGK2  0000/PH45DT       /CNCNOHAV2GT/MM/LKPKKYLPCG0  OH922       KY922
    CNCNOHAV2GT  EOK1IX    AS013358      10      184.0   MSGK2  0000/PH45DT       /CNCNOHAV2GT/M-/UNINKYUNDS0  OH922       KY922
    CNCNOHAV2GT  EOK1IX    AS016350      92      993.6   MSGK2  0000/PH45DT       /CNCNOHAV2GT/MM/FLRNKYFLDS1  OH922       KY922
    CNCNOHAV2GT  TWXBEX    AS015841     116      206.4   MSGK2  0000/PH44IT       /CNCNOHAV2GT/MM/CVTNKYCN1GT  OH922       KY922
    CNCNOHWS03T  DTXBEX    AS008737      72      242.4   MSGJT  0072/AF45DTINTER-L/CNCNOHWS03T/MM/LKPKKYLPCG0  OH922       KY922
    CNCNOHWS03T  DTXBEX    AS008849      24      430.8   MSGJT  0000/AF54DDINTER-L/INDPKYINCG0/M-/CNCNOHWS03T  KY922       OH922
    CNCNOHWS03T  DTXBEX    AS009896     240      429.6   MSGJT  0000/AF45DTINTER-L/CNCNOHWS03T/MM/CVTNKYCNCG0  OH922       KY922
    CNCNOHWS03T  DTXBIX    AS008737      96    2,148.0   MSGJT  0000/AF45DTINTER-L/CNCNOHWS03T/MM/LKPKKYLPCG0  OH922       KY922
    CNCNOHWS03T  DTXBIX    AS008849      18      354.6   MSGJT  0024/AF54DDINTER-L/INDPKYINCG0/M-/CNCNOHWS03T  KY922       OH922

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Figure 720-9. TS-ST01: Straps Interface File Report Data Analysis

720.4.4 Cross-Boundary Tandem Report Data Analysis: TS-ST02

This report shows all tandem locations that have cross-boundary traffic homing on them. This list of tandems is used in the reclassification process. Any tandem-to-tandem trunks that are one-way out or two-way from this location will be reclassified to reflect the cross-boundary traffic.

The report is sorted by a) the state of the tandem terminal end(s) of the trunk, b) the tandem location(s), c) CKT TYPE, and d) TGAC.

The report also lists the following:

- TRUNK ID - the TRUNK ID as found in TIRKS
- TRK COUNT - The count of cross-boundary trunks
- A LATA code - LATA code as supplied by TDIS
- Z LATA code - LATA code as supplied by TDIS.

```
                                    * * * * D R P - T D I S * * * *
COMPANY: REL 51 TEST CB NES   ( CB )                                                RUN FOLDER: YDTS720
REPORT: TS-ST02                                                                     PROGRAM: YDTS725     R-5.1
CONTROL DATE: 10/01/93                                                              RUN DATE:  10/25/93  16:55:17
DR STUDY AREA: IN                              CROSS BOUNDARY TANDEM REPORT         PAGE:         1
    LOCATION     CKT TYPE  TGAC                      TRUNK ID                  TRK COUNT   A LATA  Z LATA

    LRBGINXA03T  MSGJT     XS205303  0000/DF-4TD----WCU/CNCNOHCW7MD/MM/LRBGINXA03T              8   OH922   IN922
    LRBGINXA03T  MSGJT     XS205335  0000/AF-4TD----LDD/CNCNOHFB1MD/MM/LRBGINXA03T             4   OH922   IN922
    LRBGINXA3GT  MSGJT     AS011404  6000/AF44ITCBT-MKT/CNCNOHWS14T/MM/LRBGINXA3GT           147   OH922   IN922

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Figure 720-10. TS-ST02: Cross-Boundary Tandem Report Data Analysis

720.4.5 Corridor Report Data Analysis: TS-ST03

This report lists all trunks found as corridor trunks. To qualify as a corridor trunk, a trunk must be interstate interLATA and have its terminal points as NJ and PA or NJ and NY. Trunks listed on this report will contribute to trunk reclassification the same as those on the cross-boundary report because these are a special case of cross-boundary trunks. The report is sorted by a) the state of each end, b) the corresponding A or Z location, c) the DR Circuit Type, and d) the TGAC.

The report also lists the following:

- TRUNK ID - The trunk ID as found in TIRKS
- TRK COUNT - The count of cross-boundary trunks
- A LATA code - The LATA code of the A end as supplied by TDIS
- Z LATA code - The LATA code of the Z end as supplied by TDIS.

```
                                    * * * * D R P – T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                  RUN FOLDER: YDTS7200
REPORT: TS–ST03                                                                      PROGRAM: YDTS725      R–5.0
CONTROL DATE: 10/01/92                                                               RUN DATE:  12/15/92  08:26:06
DR STUDY AREA: UNDETERMINED                        CORRIDOR REPORT                   PAGE:          1
    LOCATION     CKT TYPE  TGAC                    TRUNK ID                 TRK COUNT   A LATA  Z LATA


                                  * * * * * *  END OF REPORT  * * * * * *
                                             PROPRIETARY
                                   BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 720-11. TS-ST03: Corridor Report Data Analysis

720.4.6 Excluded Trunk Report: TS-ST04

This report lists all trunks that were excluded for any of the following reasons:

1. NOT A WORKING CKT - Trunk was found as non-working.
2. TYPE NOT REQUESTED - The DR Circuit Type was not requested in either the exchange or interexchange list of DCT input.
3. POP-to-POP - The trunk appeared as a POP-to-POP trunk.
4. EO NOT IN IX TABLE - The EO-to-EO trunk did not have a DR Circuit Type in the interexchange list of DCT input.

The report is sorted by a) the state of an end, b) TGAC, and c) the DR Circuit Type.

The report also lists the following:

- TRUNK ID - The trunk ID as found in TIRKS
- TRK COUNT - The count of excluded trunks
- REASON - The reason why the trunk was excluded.

```
                                    * * * * D R P - T D I S * * * *
COMPANY: REL 51 TEST CB NES   ( CB )                                                RUN FOLDER: YDTS720
REPORT: TS-ST04                                                                     PROGRAM: YDTS725     R-5.1
CONTROL DATE: 10/01/93                                                              RUN DATE:  10/25/93  16:55:17
DR STUDY AREA: KY                              EXCLUDED TRUNK REPORT                PAGE:         3
    TGAC         CKT TYPE  TRUNK ID                                    TRK COUNT      REASON

    AS005290     MSGK2     0000/PH55TE       /CNCNOHWSCG0/M-/UNINKYUNDS0          2      EO NOT IN IX TABLE
    AS005840     MSGK2     0000/PH55TE       /ALXNKYALCG0/M-/LKPKKYLPCG0         12      EO NOT IN IX TABLE
    AS008280     MSGK1     0000/PH55IE       /GRHLOHNGDS0/M-/CVTNKYCNCG0         20      EO NOT IN IX TABLE
    AS009620     MSGK1     0000/PH55IE       /MLFROHMFDS0/M-/CVTNKYCNCG0          9      EO NOT IN IX TABLE
    AS010210     MSGK2     0000/PH55TE       /ALXNKYALCG0/M-/CVTNKYCNCG0         45      EO NOT IN IX TABLE
    AS010720     MSGK2     0000/PH55TE       /CNCNOHWSDS2/MM/CRTDKYCTDS0          2      EO NOT IN IX TABLE
    AS010740     MSGK2     0000/PH55TE       /ALXNKYALCG0/M-/CNCNOHWSDS2         12      EO NOT IN IX TABLE
    AS012970     MSGK1     0000/PH55IE       /FRFDOHFFCG0/M-/CVTNKYCNCG0          4      EO NOT IN IX TABLE
    AS012990     MSGK1     0000/PH55IE       /GRSBOHGRCG0/M-/FTTHKYFTDS0          6      EO NOT IN IX TABLE
    AS013460     MSGK1     0000/PH55IE       /CNCNOHMACG0/M-/CVTNKYCNCG0         11      EO NOT IN IX TABLE
    AS015820     MSGK2     0000/PH55IE       /FLRNKYFLDS1/MM/LKPKKYLPCG0        336      EO NOT IN IX TABLE
    AS015830     MSGK1     0000/PH55IE       /FLRNKYFLDS1/MM/RSMYOHRODS0         48      EO NOT IN IX TABLE
    AS016360     MSGK1     0000/PH55IE       /FLRNKYFLDS1/M-/NRWDOHNWCG0         22      EO NOT IN IX TABLE
    AS016400     MSGK1     0000/PH55IE       /CNCNOHPHCG0/M-/FLRNKYFLDS1         24      EO NOT IN IX TABLE
    AS004661     MSGK2     0000/PH55TE       /CNCNOHWSCG0/M-/INDPKYINCG0         10      EO NOT IN IX TABLE
    AS005491     MSGK1     0000/PH55IE       /LKPKKYLPCG0/M-/CNCNOHWSCG0         50      EO NOT IN IX TABLE
    AS005511     MSGK1     0000/PH55IE       /LKPKKYLPCG0/M-/GRSBOHGRCG0         10      EO NOT IN IX TABLE
    AS005531     MSGK1     0000/PH55IE       /CNCNOHMACG0/M-/LKPKKYLPCG0          6      EO NOT IN IX TABLE
    AS005541     MSGK1     0000/PH55IE       /GRSBOHGRCG0/M-/LKPKKYLPCG0          6      EO NOT IN IX TABLE
    AS005831     MSGK2     0000/PH55TE       /ALXNKYALCG0/M-/CNCNOHWSCG0          9      EO NOT IN IX TABLE
    AS007461     MSGK1     0000/PH55IE       /RSMYOHRODS0/M-/FTTHKYFTDS0         12      EO NOT IN IX TABLE
    AS009911     MSGK1     0000/PH55IE       /MTHTOHMHDS0/M-/CVTNKYCNCG0         24      EO NOT IN IX TABLE
    AS010711     MSGK2     0000/PH55TE       /BTLRKYBRDS0/MM/CNCNOHWSDS2          2      EO NOT IN IX TABLE
    AS010791     MSGK2     0000/PH55TE       /INDPKYINCG0/M-/CNCNOHWSDS2         11      EO NOT IN IX TABLE
    AS011911     MSGK1     0000/PH55IE       /CNCNOHCDDS0/MM/FTTHKYFTDS0         24      EO NOT IN IX TABLE
    AS011941     MSGK1     0000/PH55IE       /CHGVOHCGDS0/MM/FTTHKYFTDS0         12      EO NOT IN IX TABLE
    AS012051     MSGK1     0000/PH55IE       /UNINKYUNDS0/MM/WLTNKYWLDS0         24      EO NOT IN IX TABLE
    AS012651     MSGK1     0000/PH55IE       /CRTDKYCTDS0/MM/WLTWKYWTDS0         96      EO NOT IN IX TABLE
    AS012781     MSGK1     0000/PH55IE       /CNCNOHNSDS0/MM/LKPKKYLPCG0         24      EO NOT IN IX TABLE
    AS015811     MSGK2     0000/PH55IE       /FLRNKYFLDS1/MM/FTTHKYFTDS0         96      EO NOT IN IX TABLE
    AS015831     MSGK1     0000/PH55IE       /FLRNKYFLDS1/MM/STBROHSBDS0         24      EO NOT IN IX TABLE
    AS016391     MSGK1     0000/PH55IE       /ALXNKYALCG0/M-/FLRNKYFLDS1         24      EO NOT IN IX TABLE
    AS016401     MSGK1     0000/PH55IE       /CNCNOHWSCG0/M-/FLRNKYFLDS1         70      EO NOT IN IX TABLE
    AS016581     MSGK1     0000/DF55PKAL---IP/CNCNOHWSDS2/--/FLRNKYFLDS1          1      EO NOT IN IX TABLE
    XS203821     MSGK1     0000/DF55MICRG73  /CRTDKYCTDS0/M-/CNCNOHAVDS1          2      EO NOT IN IX TABLE
    XS203841     MSGK1     0000/DF55MICRG73  /LKPKKYLPCG0/M-/CNCNOHAVDS1          3      EO NOT IN IX TABLE
    XS203871     MSGK1     0000/DF55MICRG73  /WLTNKYWLDS0/M-/CNCNOHAVDS1          2      EO NOT IN IX TABLE
    XS204651     MSGK1     0000/DF55MICRG73  /GLCOKYGCDS0/M-/CNCNOHAVDS1          2      EO NOT IN IX TABLE
    XS204751     MSGK1     0000/IH5-SLAKD    /CVTNKYCNDS0/77/EVDLOHEV20W          1      EO NOT IN IX TABLE
    AS005552     MSGK1     0000/PH55IE       /CNCNOHHWCG0/M-/LKPKKYLPCG0          6      EO NOT IN IX TABLE
    AS005562     MSGK2     0000/PH55TE       /INDPKYINCG0/M-/LKPKKYLPCG0         44      EO NOT IN IX TABLE
    AS005822     MSGK2     0000/PH55TE       /LKPKKYLPCG0/M-/ALXNKYALCG0         12      EO NOT IN IX TABLE
    AS005842     MSGK2     0000/PH55TE       /INDPKYINCG0/M-/ALXNKYALCG0          8      EO NOT IN IX TABLE
    AS006082     MSGK2     0000/PH55TE       /WLTNKYWLDS0/M-/CNCNOHWSCG0          4      EO NOT IN IX TABLE
    AS006212     MSGK1     0000/PH55IE       /FTTHKYFTDS0/M-/CNCNOHHPCG0          9      EO NOT IN IX TABLE
    AS010842     MSGK1     0000/PH55TE       /CNCNOHWSDS2/MM/GLCOKYGCDS0          2      EO NOT IN IX TABLE
    AS011442     MSGK1     0000/PH55IE       /BTLRKYBRDS0/M-/ALXNKYALCG0         12      EO NOT IN IX TABLE

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Figure 720-12. TS-ST04: Excluded Trunk Report

720.5 Abnormal Termination

The following conditions may result in termination of the process:

Condition codes 2007 - Missing headers.

Condition code 2009 - Invalid file headers.

Condition code 2010 - Empty file, or a record is missing or invalid.

Condition code 2011 - The file is too large.

Condition Code 2019 - Sequence Error Encountered in File MFACSUM.
The facility header information could not be found for the listed facility ID.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE
The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

Condition code 2043 - If an input card has invalid field (code 5A), missing data (code 5B), space field not blank (code 5E), duplicate (code 5M), or limit exceeded (code 5N), the run is terminated with a condition code of 2043 and the TS-EDP report is produced showing the error message ‘‘Input requests missing or invalid. Processing Terminated’’.

For other data exception conditions, the message ‘‘Processing terminated. See PL/I Traceback Report for details.’’ is printed on the TD-EDP report. These conditions are not associated with specific condition codes.

For the other conditions listed above, the PL/I Traceback and TS-EDP reports, together with other printed output that illustrates the problem, should be routed through channels established by the BCC/IDC for resolution.

722. YDTS722 - Generate Circuit Components Inquiry Report

722.1 General Description

This procedure provides you with a relatively simple method of generating a large variety of reports for analysis and/or verification of TIRKS and/or TDIS information. Up to 10 users may submit requests to be processed simultaneously. See the online tables process for the YDTS722 reports for data entry.

The YDTS722 will always use the merged circuit details facility length file from the YDTS500. If you require equipment details on the output report, the merged equipment details file from the YDTS500 is required. The mileage report control table file from the on-line tables is used when requesting details regarding specific circuits selected to develop counts for the specified report control table.

There are numerous choices regarding what data is to be printed and the manner in which the reports will be displayed and sorted. The user makes these choices by selecting one or more combinations of selected data requests. Only one set of each data request can be selected, but at least one of the sixteen selections must be requested. An internal default value has been set for data requests not selected, typically this is “all”. The data requests are selected by the online tables process found in Section 2.4.4.7 of the *TDIS-TBL User Guide*.

722.2 Program Flow Chart

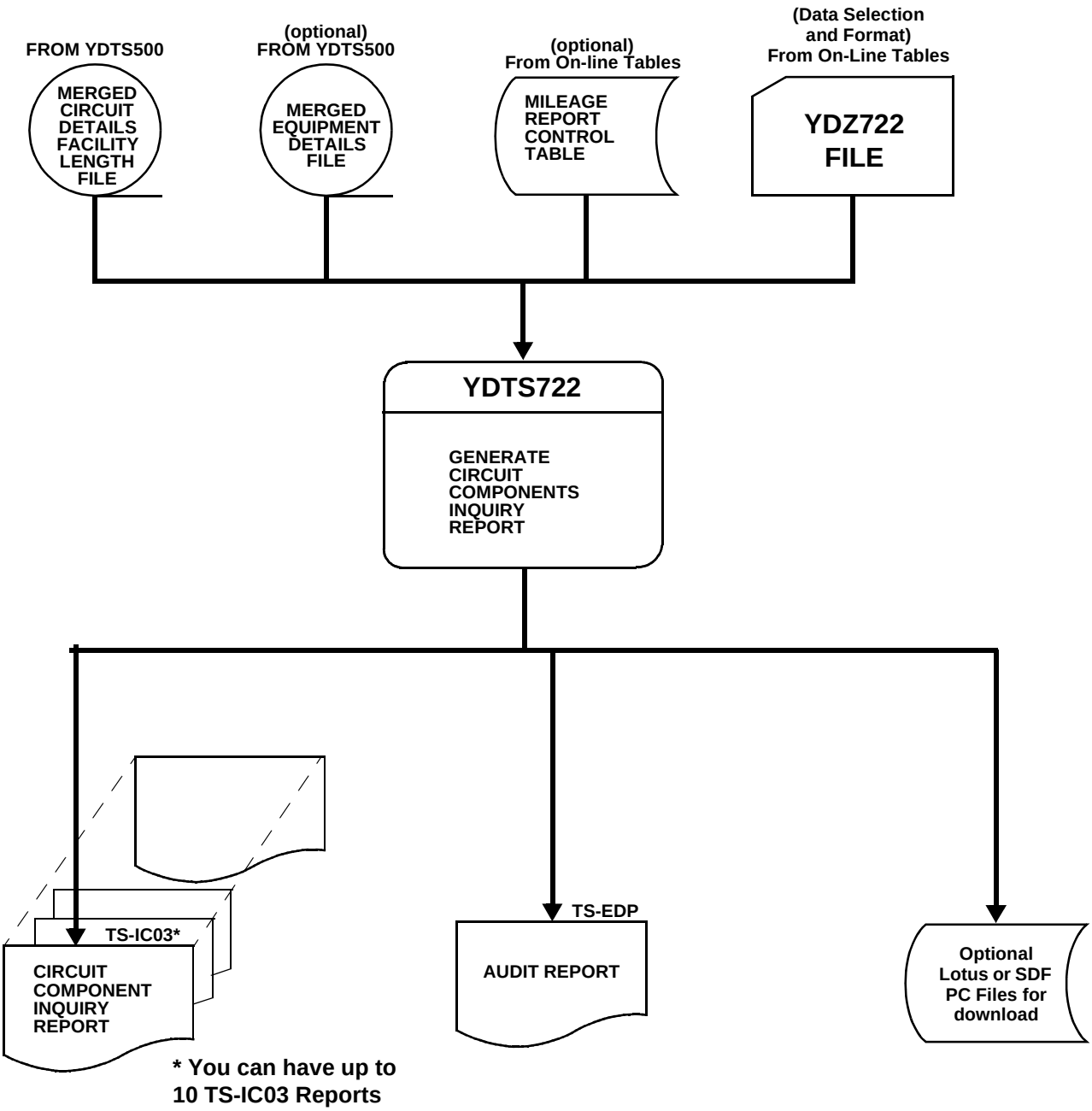

Figure 722-1. YDTS722 Program Flow Diagram

722.3 Inputs

722.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

- RUN DATE - Specify the date this report is to be generated.

722.3.2 Input Files

MCDFACID - This is the primary input file.

MEQPDTLS - This file is input if one or more user requests requires equipment information.

Report Control Table (RPTCNTL) - This table is input if one or more users requests include report control table reporting.

YDZ722 - This file contains all user requests for a given program run. It also contains the name and ID of the originator of each request.

722.4 Outputs

722.4.1 Circuit Components Inquiry Report: TS-IC03

The content and format of the TS-IC03 reports generated by this process depends on the information requested via the on-line tables

Both the ‘‘long’’ and ‘‘short’’ reports will contain the following report header information:

- In the upper left-hand corner: company name, report name, and control date.
- In the upper right-hand corner: the run folder, program name/TDIS release number, and actual run date. The TDIS release number will indicate when this process was last revised.
- The USER ID and request.

Refer to the current RCL to validate the current release number.

The report title will always be ‘‘Circuit Component Inquiry Report’’. The sequencing information, reflected on the report sort option, will also be reflected on the report heading. There are no sequencing options if you requested the mileage report control table.

The long report will contain all available information with regard to the Circuit ID and the facilities associated with that particular circuit. Equipment details will also be provided if Option ‘‘Y’’ is specified on the equipment details file to be used. A detailed explanation of the report headings and data content, as it applies to all TS-IC03 reports, is provided below. For those instances where the TDIS field definition is different than TIRKS, the TIRKS definition will be included in brackets immediately following the TDIS definition.

This report is composed of three sections:

C1 - C2 - These lines contain detailed information at the Circuit ID level.

F1 - F4 - These lines contain detailed information regarding the facilities, cable and/or carrier, associated with the circuit reflected on the C1/C2 lines. The number of ‘‘F’’ lines will depend on the number of individual facilities required to provide a continuous transmission path from Location A to Location Z. The F4 line is for normalized data.

E1 - E3 - These lines contain detailed information regarding the equipment associated with the circuit reflected on the C1/C2 lines. The number of ‘‘E’’ lines will depend on the amount of equipment associated with the circuit. The E3 line is for normalized data.

NOTE — Data may be missing from the ‘‘F’’ lines when non-inventoried facilities are encountered. These facilities may or may not be owned by the BCC.

The “F” and “E” lines will be repeated for each equipment and/or facility item associated with the ‘‘C’’ line.

DESCRIPTION OF C1 LINE COLUMN HEADINGS:

- CPU ID -This field identifies the processor the data came from. This value is defined by each company. Appendix A contains valid entries.
- CKT FRMT
  - — 1 or M - Message Trunks
  - — 2 or T - Special Service Circuits in Telephone Number Format
  - — 3 or S - Special Service Circuits in Serial Number Format
  - — 4 or C - Carrier Systems.
  - — X - Grouped special service codes
  - — P - Primary
  - — G - grouped TGAC

    NOTE — The format for Span Group is ‘‘H’’ and Span Line is ‘‘L’’, but since span is dissolved by TDIS, these systems will not appear on the reports.
- CIRCUIT IDENTIFICATION (CKT ID) - The complete circuit description as defined by COMMON LANGUAGE standards. A complete description of the data fields may be obtained from BR 756-551-790.
- CAC - A TIRKS-generated code used to identify a Special Service Circuit, a Carrier System, or an individual message trunk within a group.
- ADM AREA - This information is extracted from the TIRKS database. This is the two character code of the group responsible for administration of the circuit
- DR CKT TYPE (DR on CKTSR; DR TYPE on TGMR and CKTCR) - The five-character code assigned for separations purposes, either manually or mechanically. General details regarding generation of these codes may be found in BR 756-551-001 or in locally established coding procedure documentation.
- CKT LOC A - LATA CODE - A five-character alphanumeric code that identifies the state LATA associated with Location A.
- CKT LOC A -POP IND - A one-character alphabetic code indicating the type of circuits/facilities that may terminate at Location A.

- CKT LOC Z - LATA CODE - A five-character alphanumeric code that identifies the state LATA associated with Location Z.
- CKT LOC Z - POP IND - A one-character alphabetic code indicating the type of circuits/facilities that may terminate at Location Z. (LATA/POP data is obtained from the TDIS LATA table maintained by the user. Refer to BR 759-200-003, *TDIS On-line Table Update (TDIS-TBL) User Guide*, for details regarding creation and maintenance of this table. This table is updated by the on-line tables process. Appendix A describes valid POP indicators. Currently, POP_IND is only used to identify independent office locations (POP_IND = I) in existing TDIS procedures.)
- TRNK STAT (TRK STAT on CKTMR) - This field will indicate if the trunk is working (IE), Pending Disconnect (PD), or Spare (SP). Only IE and PD trunks will appear on this report.
- PIU - A three character numeric code indicating the percentage of Interstate Usage.
- EAC - A one character alpha code showing the exchange area classification.
- ACNA - A four character alphanumeric field showing the Access Carrier Name Abbreviation.

> **NOTE —** When any open ended circuit is encountered a second C1 line with only the lata code and pop indicator for the location A2 and location Z2 of the circuit will be printed. This line will be printed directly under the previous C1 line and the data fields will align with the headings for the C1 line.

DESCRIPTION OF C2 LINE COLUMN HEADINGS:

- SS STAT - This field is retained as it appears in TIRKS. No TDIS logic is invoked to make this determination.
- SPEC SERV LOCATION A - This field will reflect the originating location of the circuit that was input on the CD screen when the circuit was being designed/created in TIRKS.
- SPEC SERV LOCATION Z - This field will reflect the terminating location of the circuit that was input on the CD screen when the circuit was being designed/created in TIRKS.
- CLO NUMBER (CLO NBR) - The CLO number that is associated with the next field. There may be more than one CLO for a circuit.

- CLO ACT (ACTIVITY) - The CLO action that was defined when the order was created in the TIRKS system. Valid entries are Add (A), Disconnect (D), Rearrange (R), and Rename (RN).
- CLO COMPL DTE - The date the order was actually completed. This field is populated in YY/MM/DD order.
- TGAC - The TGAC for the entire group to which an individual trunk is associated. The individual trunks within the group are associated with a unique CAC code.
- MESSAGE CODES - The error or warning code that was generated for this circuit in the YDTS300 process.

> **NOTE —** When any open ended circuit is encountered a second C2 line with only the location A2 and location Z2 data of the circuit will be printed. This line will be printed directly under the previous C2 line and the data fields will align with the headings for the C2 line.

DESCRIPTION OF THE F1 LINE COLUMN HEADINGS:

- CPU ID - Same definition as listed for the C1 field.
- CXE IND - The Carrier Indicator field consists of a single character to designate the type of facility assigned to the circuit. Valid entries are ‘‘C’’ for cable or ‘‘X’’ for carrier system.
- TERMINAL LOCATION A (TERM A) - The origination location of the carrier system or cable complement to which the circuit is assigned. This will always be the low alphanumeric location based on the first eight characters of the CLLI.
- TERMINAL LOCATION Z (TERM Z) - The termination location of the carrier system or cable complement to which the circuit is assigned. This will always be the high alphanumeric location based on the first eight characters of the CLLI.
- CBLE#/FAC TYPE - This field will contain the cable number of Facility Type from the TIRKS header record. For carrier system, this field may or may not be the same as the Facility Group.
- LAST PAIR/FAC DES - The last pair in the cable complement or the Facility DES data as populated on the header record in the TIRKS database.
- UNIT NMBR (CHAN/UNIT) - The carrier channel or cable pair number of the facility assigned to the specific circuit.
- CHAN BANKA - This is the channel bank code associated with this carrier system on the ‘‘A’’ end.

- CHAN BANKZ - This is the channel bank code associated with this carrier system on the ‘‘Z’’ end.
- CHAN BANKA ECN - This is the ECN code assigned for the A end channel bank codes. This is derived from (1) HEGIC to ECN Table and (2) Channel Bank to ECN Table. The default code is 800CT.
- CHAN BANKZ ECN - This is the ECN code assigned for the Z end channel bank codes. This is derived from (1) HEGIC to ECN Table and (2) Channel Bank to ECN Table. The default code is 800CT.
- CXRLN ECN - This is the ECN related to the line haul part of the system. This code is looked up in the CXR TECH Table. It will show 800CL if a default was assigned.
- ASGT SUBD - An assignable portion of a cable pair.
- ASGT ACT - This field will be populated with a single character that reflects the order activity.
- MW IND (MW) - This field will be populated when more than a single cable pair or carrier channel is required to design the circuit. Valid entries may be obtained from the TIRKS Format/Field Directory. Discrepancies associated with data in this field are ‘‘flagged’’ with a message code of 2D during the TDIS YDTS220 process.
- SEQUENCE CODE - This value is generated in the YDTS300 process, which creates the ‘‘image’’ of the circuit from Location A to Location Z. Sequence codes are assigned in numerical order from Location A to Z or in ascending negative numerical order from Location Z to Location A when there is a break in the transmission path.

DESCRIPTION OF THE F2 COLUMN HEADINGS:

- DR GRP CODE (DR GROUP) - This is a two-character code that defines the jurisdictional and/or physical location of the facility. Although this is a two-character field on the TIRKS header record for cable or carrier, only the first character is currently being used.
- TIRKS DR CL CODE (DR CLASS) - This field reflects the DR Class Code as it appears in the TIRKS database at the unit level. This field will be blank if the internal TIRKS logic could not find a Class Code in the TIRKS DRDD Table based on the DR Circuit Type of the circuit and the DR Group Code of the facility.
- TDIS DR CL CODE - This field reflects the DR Class Code generated by the internal TDIS logic based on the DRDD table resident in TDIS. This field will be blank if the DR Class Code generated by TDIS matches the TIRKS DR Class Code. If the TIRKS DR Class Code is blank and TDIS is unable to generate a Class Code, a value of ‘‘QQ’’ will be placed in this field and an error code of 4E will be assigned. If the

TIRKS code is different from the current DRDD value, then this contains the current DRDD value, the regenerated value.

- TDIS DR CKT COUNT - This value is based on the circuit count logic described in Appendix A.
- DIVEST ADMIN - This value is either obtained from the ‘‘0.0’’ line in the ownership section of the TIRKS facility header record or by internal TDIS logic as described in Appendix C.
- MESSAGE CODES - This field will indicate any error or warning codes that were encountered during the YDTS220 process.
- FAC LOC A

  — LATA CODE - This value is obtained from the TDIS LATA Table

  — POP IND - This value is obtained from the TDIS LATA Table.
- FAC LOC Z

  — LATA CODE - Same as above

  — POP IND - Same as above.
- DR AREA* - This data is obtained from the ownership screen of the facility header in the TIRKS database.

  *__NOTE —__ Three fields are available on the F2 line. If more than three combinations of DR AREA and DR LENGTH are associated with a particular facility, an F3 line will appear on the report.
- DR LENGTH (LENGTH)** - This data is also obtained from the ownership screen of the facility header in the TIRKS database.

  __NOTE —__ **This data is obtained from the section of the ownership screen containing these same headings. This should not be confused with the section of this screen that contains divested administrator and ownership percentages.

DESCRIPTION OF THE F4 COLUMN HEADINGS:

- TOTAL COUNT - The number of units on the facility.
- WORKING COUNT - The number of TDIS determined working units on the facility.
- SPARE COUNT - The number of TDIS determined spare units on the facility.

- CLASS CODE - The Class Codes found on underlying facilities.
- CKT COUNT - The ratio of Class Codes to the total.

DESCRIPTION OF THE E1 LINE COLUMN HEADINGS:

- EQUIPMENT IDENTIFICATION
  - — LOCATION - The COMMON LANGUAGE Location Code of the office.
  - — HECI (EQUIP CODE) - The HECI number as it was extracted from TIRKS.
  - — RELAY RACK - A numeric code used to designate a specific equipment location within a particular office.
- UNIT NMBR (UNIT) - The individual mounting or slot location within the relay rack.
- ASGT SUBD (SUBDIVISION on EQPA) - An assignable portion of an equipment unit.
- ASGT ACT (ACTIVITY) - This field indicates the order activity that was associated with the order when it was entered in GOC. TDIS will only use items of equipment that translate to in-effect or pending disconnect. BR 756-551-790 contains valid entries.
- UNIT TYPE - Indicates a type of equipment unit record. Valid entries are S - Single Unit, M - Mounting, P - Plug-In, H - Hierarchy (Equipment only - not assignable), or J - Hierarchy or Assignable.
- DRP UNIT TYPE (TY) - A one-character code developed in TDIS when the unit type from TIRKS is blank or not P, M, S, or H.
- ECN - The ECN extracted from the TIRKS system.
- DRP ECN - The ECN that was determined by the logic contained in the YDTS240 process when the data was not available from the TIRKS system.
- PLACEMENT CODE - An alphanumeric indicator reflecting the location of the equipment within the transmission path of the circuit as it was assigned by the YDTS500 process.

DESCRIPTION OF E2 COLUMN HEADINGS:

- DRP EQUIP CLASS (DR CLASS) - This field will contain a one-character code that was posted during the YDTS240 process. Values of ‘‘1’’ for Interexchange or ‘‘2’’ for Exchange are based on the Equipment Classification table managed by the on-line tables.

- TDIS DR CL CODE - The Class Code that was assigned to the equipment during the YDTS500 process.
- DIVEST ADMIN - Refer to previous description and Appendix E.
- IN EFFECT ORDER DUE - The date the equipment item was actually placed in service.
- LATA CODE - Refer to previous description.
- POP IND - Refer to previous description.
- INV STAT - Denotes whether the equipment is working, spare, or pending.
- MESSAGE CODES - Indicates that some discrepancy was detected during the YDTS240 or YDTS500 process.

DESCRIPTION OF THE E3 LINE HEADINGS:

- CLASS CODE - The Class Codes found on underlying facilities associated with the equipment piece.
- CKT COUNT - The ratio of Class Code to the total.

There are two different types of short reports: S and S3.

The S3 option will not display any circuit information. The only data displayed will be the DR Area and Class Code matrix. Any filters, such as Class Code, circuit type, etc., are still applied. Therefore, if the defaults are allowed to be applied, the matrix will be for all DR Areas and all Class Codes in the entire file. Control breaks will still be generated based on the sort requested.

By using the S3 option, filtering on your DR Area and sorting on DR Area, a matrix listing all Class Codes and miles in your DR Area will be produced.

The short report, S option, will contain some of the same headings as previously described for the long report. The body of the report will contain information associated with ONLY the following items:

- CIRCUIT ID
- CAC/TGAC
- CKT TYPE
- SPECIAL SVC LOCA
- SPECIAL SVC LOCZ
- CLASS CODE
- DR AREA

- DR LENGTH.

For each circuit selected on the short report, a single data line will be printed. Based on the sort criteria, a summary will be provided each time a page break is encountered. For example, if the sort is specified as DR Area and Service Code, a page break will occur each time the service code and/or DR Area changes. Each section of the report will contain a summary of the number of circuits selected, before the page break, in the field titled ‘‘Circuit Count=’’. A matrix of circuit miles by DR Area to Class Code will be printed in the lower left-hand section of the report at each page break.

It is important to note that trying to add the facilities miles from the circuit details may produce a different number than the Class Code matrix because the matrix is based on circuit miles. Any value preceded by a question mark (?) indicates that this data may not be complete. A note indicating this situation is printed below the summary matrix. This notation is produced when a Class Code is found on a circuit and it was not explicitly searched for.

If the selection criteria is based on DR Class Codes and DR Areas, the DR miles printed on the summary for that particular Class Code and DR Area should balance to the YDTS600 1024 miles report.

The short form of the report invokes special compression logic with regard to message trunk groups as follows:

- Only the first and last trunk in the group is printed.
- The TGAC is printed rather than the individual CAC.
- The program will calculate average trunk group miles for each Class Code within a specific DR Area within the trunk group.
- A count of working trunks within the group will be provided.
- The average trunk route miles of all working trunks and all DR Areas will also be calculated and listed on the report.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - SYSTEST 6.0 ENVIRONMENT   ( CB )                                  RUN FOLDER: YDTS722
REPORT: TS-IC03                                                                   PROGRAM: YDTS722     R-6.0
CONTROL DATE: 04/18/96                                                            RUN DATE:  04/24/96  17:19:22
                                          CIRCUIT COMPONENTS INQUIRY REPORT       PAGE:         4

                                      PHQTDS2  - TESTOPEN ENDED SPL SERV CKTS SHORT

                                               SEQUENCE DR CKT TYPE(AHC11)

                                                  CKT   SPECIAL SVC SPECIAL SVC CLASS DR   DR        DR   DR
CIRCUIT ID                                  CAC/TGAC TYPE  LOCA        LOCZ        CODE  AREA LENGTH    AREA LENGTH
------------------------------------------- -------- ----- ----------- ----------- ----- ---- --------- ---- ---------
01/HCGS/13167  002/NJ  /                    SMQ4HN5  AHC11 WHHSNJ13    WHHSNJ20
                                                             WHHSNJ11    WHHSNJT1AMD

01/HCGS/13167  003/NJ  /                    SMQ4HN6  AHC11 WHHSNJ13    WHHSNJ20
                                                             WHHSNJ11    WHHSNJT1AMD

01/HCGS/619299 001/NJ  /                    SMQ4HN3  AHC11 WHHSNJT1AMD WHHSNJT3AMD QQ
                                                             WHHSNJ20    WHHSNJT4AMD       ZZZZ      17.5

01/HCGS/780321 001/NJ  /                    SMQ4HL5  AHC11 WHHSNJT4AMD WHHSNJ20
                                                             WHHSNJT3AMD WHHSNJT1AMD

01/HCGS/780321 002/NJ  /                    SMQ4HL6  AHC11 WHHSNJT3AMD WHHSNJ20
                                                             WHHSNJT4AMD

01/HCGS/780321 003/NJ  /                    SMQ4HL7  AHC11 WHHSNJ20    WHHSNJT3AMD
                                                                        WHHSNJT4AMD

99/HCGS/100179    /DC  /                    SMQ4GU7  AHC11 WASHDCXQW99 WASHDCXF    QQ
                                                             WASHDCXBW99                       MOSL     140.8

99/HCGS/100180    /DC  /                    SMQ4GU9  AHC11 WASHDCXF    WASHDCXQW99 QQ
                                                                        WASHDCXBW99       MOSL     140.8

                                            AVERAGE LENGTH BY STUDY AREA =
                                                          TOTAL TRUNK =          8
                                                       AVERAGE LENGTH =       37.4
                                                          GROUP COUNT =          8




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```

Figure 722-2. Circuit Components Inquiry Report: TS-IC03 (short form)

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BELLCORE RELEASE TESTING   ( SL )                                  RUN FOLDER: YDTS722
REPORT: TS-IC03                                                             PROGRAM: YDTS722     R-5.1
CONTROL DATE: 08/08/92                                                      RUN DATE:  08/26/93  17:06:32
                                          CIRCUIT COMPONENTS INQUIRY REPORT PAGE:         6
                                       PHQTDS4  - YDTS722 800 -820 CLASS CODES
                                                  SELECTION CRITERIA
   REPORT CONTROL TABLE .... 1024
   LAST TABLE UPDATE ....... 04/30/93
   TABLE LINE NUMBERS ...... 01???, 02???, 04???, 04???
   EQPT DETAIL FILE INCLUDED N
   REPORT OPTION ........... SHORT
   REPORT OPTION SUBSET .... NONE
   SORT SEQUENCE ........... DR AREA, LINE NUMBER
   PC FILE CREATED ......... PCFILE0
   PC FILE TYPE ............ (STANDARD)
   COMPLETE REPORT ......... COMPLETE
   COMPLETE PC FILE ........ COMPLETE
                                                 CIRCUITS SELECTED BY
         DR AREA ........ MO**, OK**
         CLASS CODE ..... ALL
         SERVICE CODE ... ALL
         ECN ............ ALL
         CKT TYPE ....... ALL
         TRAFFIC USE CODE ALL
         LOCATION ....... ALL
         GROUP CODE ..... ALL
         CARRIER TYPE ... ALL
         FORMAT CODE .... ALL
         NORMALIZED DATA. N




                                       * * * * * *  END OF REPORT  * * * * * *
                                                     PROPRIETARY
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```

Figure 722-3. Circuit Components Inquiry Report: TS-IC03 (short form) Summary

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                                    RUN FOLDER: YDTS722
REPORT: TS-IC03                                                                                     PROGRAM: YDTS722     R-7.0
CONTROL DATE: 03/24/97                                                                              RUN DATE:  05/08/97  10:34:26
                                                CIRCUIT COMPONENTS INQUIRY REPORT                   PAGE:         2
                                                     TKTDS03  - CKT-TYPE-LONG

                                                                                          DR     CKT LOC A CKT LOC Z
   CPU  CKT                                                                              ADM   CKT    LATA  POP LATA  POP  TRNK
C1 ID   FRMT  CIRCUIT IDENTIFICATION                        CAC                          AREA  TYPE   CODE  IND CODE  IND  STAT PIU  EAC ACNA
   ---  ----  ------------------------------------------  --------                      ----  -----  --------- ---------  ---- ---  --- ----
   SS    SPEC SERV   SPEC SERV                    CLO   CLO                                    MESSAGE
C2 STAT  LOCATION A  LOCATION Z     CLO NUMBER    ACT   COMPL DTE     TGAC                   CODES
   ----  ----------- -----------    ------------  ---   ---------     --------               --------------
            FACILITY IDENTIFICATION
     CPU CXE TERMINAL    TERMINAL    CBLE #/      LST PAIR/  UNIT     CHAN    BANKA     CHAN    BANKZ  CXRLN ASGT ASGT MW   SEQUENCE
F1   ID  IND LOCATION A  LOCATION Z  FAC TYPE      FAC DES   NMBR     BANKA     ECN     BANKZ     ECN    ECN SUBD ACT  IND  CODE
     --- --- ----------------------------------------------- ------ ---------- -----  ---------- -----  ----- ---- ---- ---- --------
     DR    TIRKS TDIS                                      FAC LOC A     FAC LOC Z
     GRP   DR CL DR CL TDIS DR    DIVEST  MESSAGE           LATA  POP     LATA  POP    DR    DR      DR    DR      DR    DR
F2   CODE  CODE  CODE  CKT COUNT  ADMIN   CODES             CODE  IND     CODE  IND    AREA  LENGTH  AREA  LENGTH  AREA  LENGTH
     ----  ----- ----- ---------  ------  --------------    ---------     ---------    ----  ------  ----  ------  ----  ------
     DR    DR      DR    DR      DR    DR      DR    DR      DR    DR      DR    DR      DR    DR
F3   AREA  LENGTH  AREA  LENGTH  AREA  LENGTH  AREA  LENGTH  AREA  LENGTH  AREA  LENGTH  AREA  LENGTH
     ----  ------  ----  ------  ----  ------  ----  ------  ----  ------  ----  ------  ----  ------
     TOTAL   WORKING SPARE    CLASS   CKT    CLASS   CKT    CLASS   CKT    CLASS   CKT    CLASS   CKT    CLASS   CKT
F4   COUNT   COUNT   COUNT    CODE   COUNT   CODE   COUNT   CODE   COUNT   CODE   COUNT   CODE   COUNT   CODE   COUNT
     ------- ------- -------  -----  -----  -----  -----  -----  -----  -----  -----  -----  -----  -----  -----  -----
                                                                                                DRP
       EQUIPMENT IDENTIFICATION                          UNIT     ASGT  ASGT      UNIT   UNIT          DRP    PLACEMENT
E1     LOCATION    HECI        RELAY RACK                NMBR     SUBD  ACT       TYPE   TYPE   ECN    ECN    CODE
       ----------------------------------               ------   ----- ----      ----   ----   -----  -----  ---------
       DRP       TDIS
       EQUIP     DR CL   DIVEST     IN EFFECT    LATA  POP     INV    MESSAGE
E2     CLASS     CODE    ADMIN      ORDER DTE    CODE  IND     STAT   CODES
       -----     -----   ------     ---------    ----- ---     ----   --------------
       CLASS   CKT    CLASS   CKT    CLASS   CKT    CLASS   CKT    CLASS   CKT    CLASS   CKT    CLASS   CKT    CLASS   CKT
E3     CODE    COUNT  CODE    COUNT  CODE    COUNT  CODE    COUNT  CODE    COUNT  CODE    COUNT  CODE    COUNT  CODE    COUNT
       ----- -------- ----- -------- ----- -------- ----- -------- ----- -------- ----- -------- ----- -------- ----- --------



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```

Figure 722-4. Circuit Components Inquiry Report: TS-IC03 Banner Page (long form)

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                    RUN FOLDER: YDTS722
REPORT: TS-IC03                                                                     PROGRAM: YDTS722     R-7.0
CONTROL DATE: 03/24/97                                                              RUN DATE:  05/08/97  10:34:26
                                          CIRCUIT COMPONENTS INQUIRY REPORT         PAGE:        20
                                              TKTDS03  - CKT-TYPE-LONG

                                       SEQUENCE CKT ID(99/HCGS               )

C1 CB   S     99/HCGS/150106    /DC  /                      SMP4SA3   DC    AHC11  DC999 N   DC999 N
                                                                                   DC999 N
C2       WASHDCXGW99 WASHDCXF       DCS000209001   IE    960524                     2I 2K
         WASHDCXDW99
E1     WASHDCXB    M3MPA0T1RA  N53B03.02                  48         W         S            814          LOCA
E2     1          QQ      CB         940522       DC999 N       IE       1E
E3     QQ      1.0000
F1   CB  X   WASHDCXD    WASHDCXG    N0001         OC12     123  E OC12E      814    OC12W      814    817        W          1
F2   E           QQ      1.0000   B-BB                     DC999 N       DC999 N      MOSL    17.6
F1   CB  X   WASHDCXF    WASHDCXJ    N0001         OC03     342  E FJ1AE      817    FJ1AH      800CT  808        W         15
F2   E           QQ      1.0000   B-BB                     DC999 N       DC999 N      MOSL    17.6
F1   CB  X   WASHDCXD    WASHDCXG    N0002         OC12P    123  E OC12E      814    OC12W      814    800CL      W         18
F2   E           QQ      1.0000   B-BB                     DC999 N       DC999 N      MOSL    17.6
F1   CB  X   WASHDCXG    WASHDCXGW99 701           T3       00004  DCDAEZ     814    POI        808    808        W          0
F2   I           QQ      1.0000   B-BX                     DC999 N       DC999 N

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```

Figure 722-5. Circuit Components Inquiry Report: TS-IC03 Data (long form)

722.4.2 Audit Report: TS-EDP

The audit report summarizes the input and output activity of the YDTS722 process. The main items on this report are listed below.

The following messages may occur:

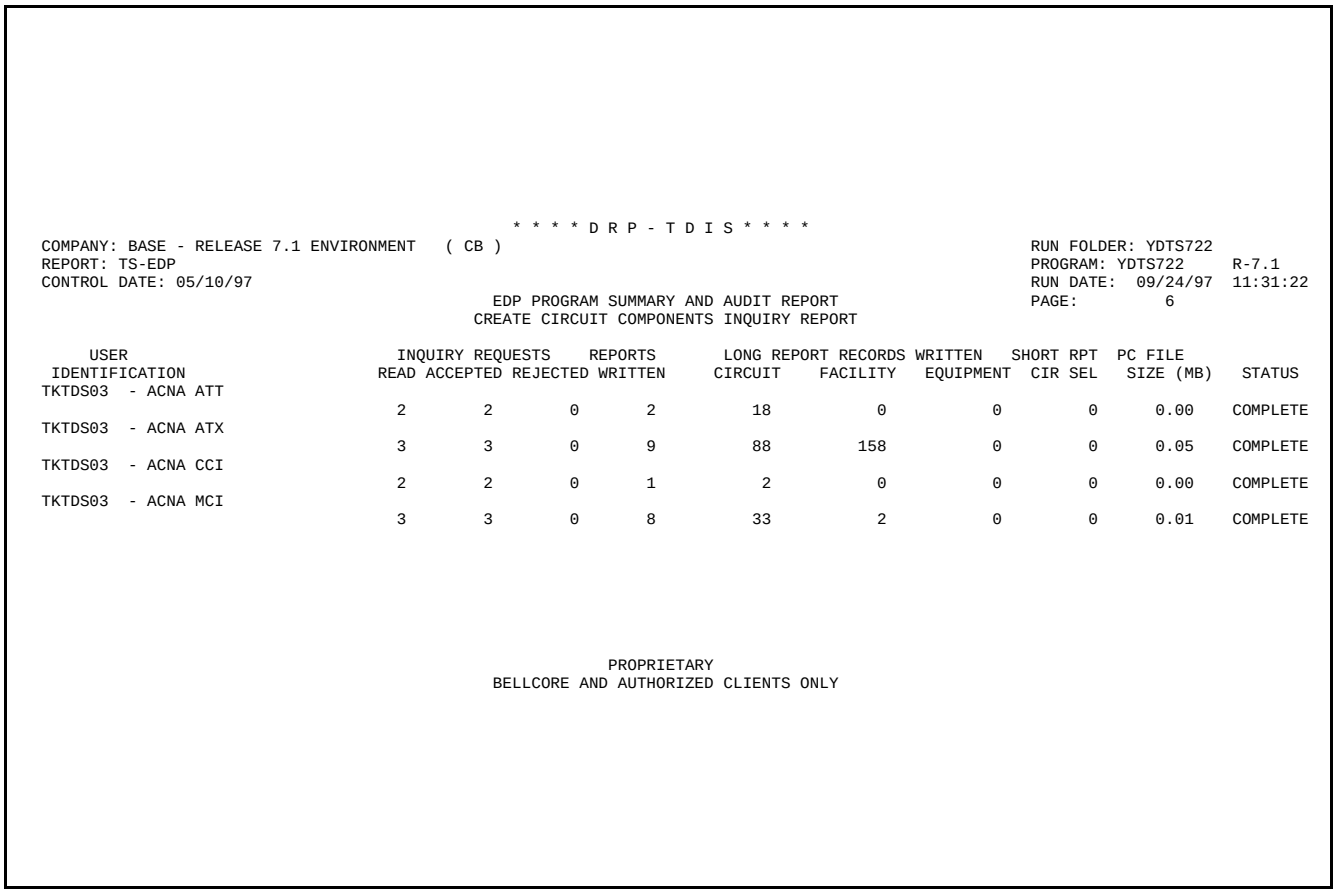
5A - Indicated Field Is Invalid
The data in question will be underlined to assist the user in initiating necessary corrections.

5B - Required Field Missing
The input card is lacking critical data necessary to initiate the process.

INQUIRY REQUESTS:

- **Read**
  The number of requests input.
- **Accepted**
  The number of valid requests.
- **Rejected**
  The number of invalid requests.
- [*]***Circuit Details Facility Length File Records Read: Circuit (1) Facility (2) Total**
- ***Drp Equipment Details Records Read Bypassed (Span Group) (Span Line) (Assembly Components)**
- **TS-IC03 Reports Written (Page Break Groups)**
  This value should correspond to the number of reports received.
- **TS-IC03 Short Report Circuit Records Selected**
  This value should correspond to the number of reports received if the input request was other than ‘‘L’’.
- **TS-IC03 Long Report Records Written; Circuit (1) Facility (2) Equipment (3) Total**
  These values will represent the data selected if the input request was ‘‘L’’.
- **PC File Size**
  The size of the PC file (e.g. 100MB).

* These values should correspond to the YDTS300, Merged Circuit Details Facility Length, and the YDTS500, Merged Circuit Equipment Details.



* * * * D R P - T D I S * * * *

COMPANY: BASE - RELEASE 7.1 ENVIRONMENT (CB)
REPORT: TS-EDP
CONTROL DATE: 05/10/97

RUN FOLDER: YDTS722
PROGRAM: YDTS722 R-7.1
RUN DATE: 09/24/97 11:31:22
PAGE: 6

EDP PROGRAM SUMMARY AND AUDIT REPORT
CREATE CIRCUIT COMPONENTS INQUIRY REPORT

USER IDENTIFICATION	INQUIRY REQUESTS READ	ACCEPTED	REJECTED	REPORTS WRITTEN	LONG REPORT RECORDS WRITTEN CIRCUIT	FACILITY	EQUIPMENT	SHORT RPT CIR SEL	PC FILE SIZE (MB)	STATUS
TKTDS03 - ACNA ATT	2	2	0	2	18	0	0	0	0.00	COMPLETE
TKTDS03 - ACNA ATX	3	3	0	9	88	158	0	0	0.05	COMPLETE
TKTDS03 - ACNA CCI	2	2	0	1	2	0	0	0	0.00	COMPLETE
TKTDS03 - ACNA MCI	3	3	0	8	33	2	0	0	0.01	COMPLETE

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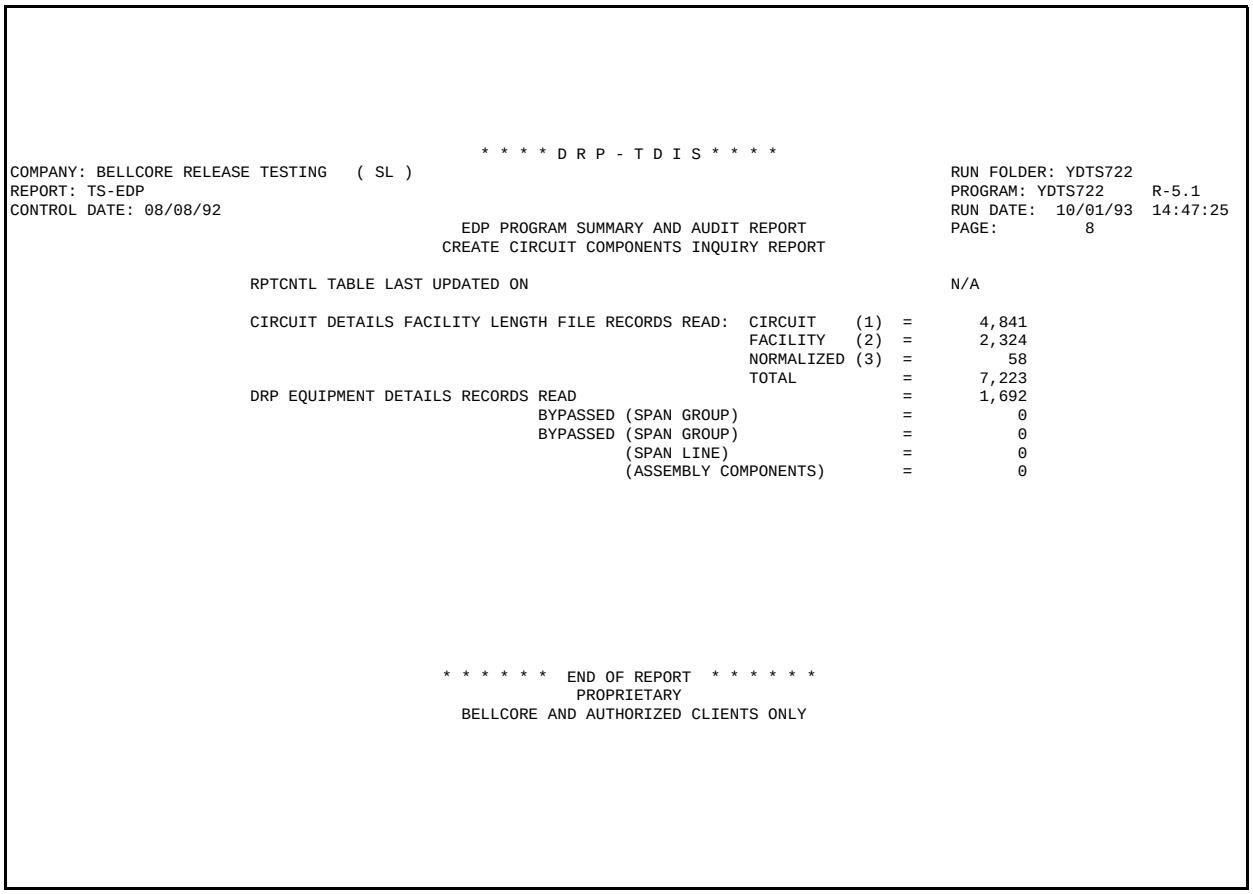
Figure 722-6. Audit Report: TS-EDP, Part I



```
                                    * * * * D R P - T D I S * * * *
COMPANY: BELLCORE RELEASE TESTING   ( SL )                                  RUN FOLDER: YDTS722
REPORT: TS-EDP                                                              PROGRAM: YDTS722     R-5.1
CONTROL DATE: 08/08/92                                                      RUN DATE:  10/01/93  14:47:25
                                       EDP PROGRAM SUMMARY AND AUDIT REPORT PAGE:         8
                                    CREATE CIRCUIT COMPONENTS INQUIRY REPORT

                        RPTCNTL TABLE LAST UPDATED ON                                N/A

                        CIRCUIT DETAILS FACILITY LENGTH FILE RECORDS READ:  CIRCUIT    (1)  =       4,841
                                                                            FACILITY   (2)  =       2,324
                                                                            NORMALIZED (3)  =          58
                                                                            TOTAL           =       7,223
                        DRP EQUIPMENT DETAILS RECORDS READ                                  =       1,692
                                                BYPASSED (SPAN GROUP)                       =           0
                                                BYPASSED (SPAN GROUP)                       =           0
                                                         (SPAN LINE)                        =           0
                                                         (ASSEMBLY COMPONENTS)              =           0









                                    * * * * * *  END OF REPORT  * * * * * *
                                                   PROPRIETARY
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```

Figure 722-7. Audit Report: TS-EDP, Part II

722.4.3 PC File Format

The PC file has a record length of 400 characters. Each data value is fixed fielded according to its length.

The format of the PC file can be either *Lotus 1-2-3* or STND.

STND: The file is in SDF format, that is, it contains no delimiters. Fields are padded with trailing blanks. Number fields are right justified with leading blanks. Numeric fields without data are set to zero.

Lotus: This file is not compatible with Ver 2.X since the records exceed 240 bytes. This file can be imported into later versions as a numeric import. This has been testing using *Lotus for Windows Ver 1.1*. This file can also be loaded into

dBase III™ or *PARADOX™* or other database programs as a "," (comma) delimited file.

The first line of the PC file contains:

H	1 Character (Record Identifier)
USER IDENTITY	8 Characters
USER ADDRESS	20 Characters
USER REQUEST	35 Characters
CONTROL DATE	8 Characters in MM/DD/YY format

Succeeding lines will contain data as it applies to the circuit. The first field in each record is always the identifier (1 character), and is one of the following:

C - Contains circuit data from the long report

F - Contains facility data from the long report

N - Contains facility normalized data from the long report

E - Contains equipment data from the long report

Q - Contains equipment normalized data from the long report

S - Contains circuit data from the short report

The second field in each record is always the key or CAC (8 characters)

For a description of each field, see Section 722.4. The data structure of each type record is as follows.

dBase III is a registered trademark of Ashton-Tate Corporation.

PARADOX is a registered trademark of Borland International, Inc./Ansa Software

Record type “C” - Circuit data from the long report

CPU ID	2 Characters
CKT FRMT	1 Character
CIRCUIT IDENTIFICATION	45 Characters
ADM AREA	2 Characters
DR CKT TYPE	5 Characters
CKT LOC A LATA CODE	5 Characters
CKT LOC A POP IND	1 Character
CKT LOC Z LATA CODE	5 Characters
CKT LOC Z POP IND	1 Character
TRNK STAT	2 Characters
SS STAT	2 Characters
SPEC SERV LOCATION A	11 Characters
SPEC SERV LOCATION Z	11 Characters
CLO NUMBER	13 Characters
CLO ACT	2 Characters
CLO COMPL DTE	6 Characters
TGAC	8 Characters
MESSAGE CODES	2 Characters occurring 10 times
LOCATION A2	11 Characters
LOCATION Z2	11 Characters
CKT LOC A2 LATA CODE	5 Characters
CKT LOC A2 POP IND	1 Character
CKT LOC Z2 LATA CODE	5 Characters
CKT LOC Z2 POP IND	1 Character
PIU	3 Characters
EAC	1 Character
ACNA	4 Characters

NOTE — Fields related to A2 and Z2 will only be populated on any open ended circuits.

Record type “F” - Facility data from the long report

CPU ID	5 Characters
CXE IND	1 Character
TERMINAL LOCATION A	11 Characters
TERMINAL LOCATION Z	11 Characters
CBLE #/FAC DES	10 Characters
LST PAIR/FAC TYPE	6 Characters
UNIT NMBR	6 Characters
CHAN BANKA	10 Characters
CHAN BANKZ	5 Characters
BANKA ECN	10 Characters
BANKZ ECN	5 Characters
CXRLN ECN	5 Characters
ASGT SUBD	2 Characters
ASGT ACT	1 Character
MW IND	1 Characters
SEQUENCE CODE	3 Characters
DR GRP CODE	2 Characters
TIRKS DR CL CODE	4 Characters
TDIS DR CL CODE	4 Characters
TDIS DR CKT COUNT	3 decimal with 4 fraction
DIVEST ADMIN	4 Characters
MESSAGE CODES	2 Characters occurring 5 times
FAC LOC A LATA CODE	5 Characters
FAC LOC A POP IND	1 Character
FAC LOC Z LATA CODE	5 Characters
FAC LOC Z POP IND	1 Character
DR AREA	4 Characters occurring 10 times
DR LENGTH	4 decimals with 1 fraction occurring 10 times, One for each DR Area

Record type “N” - Facility normalized data from the long report

TOTAL COUNT	7 Decimal
WORKING COUNT	7 Decimal
SPARE COUNT	7 Decimal
CLASS CODE	4 Characters
CKT COUNT	3 decimal with 4 fraction occurring 16 times, One for each Class Code

Record type “E” - Equipment data from the long report

EQUIPMENT IDENTIFICATION LOCATION	11 Characters
EQUIPMENT IDENTIFICATION HECI	10 Characters
EQUIPMENT IDENTIFICATION RELAY RACK	10 Characters
UNIT NMBR	6 Characters
ASGT SUBD	5 Characters
ASGT ACT	1 Character
UNIT TYPE	1 Character
DRP UNIT TYPE	1 Character
ECN	5 Characters
DRP ECN	5 Characters
PLACEMENT CODE	4 Characters
DRP EQUIP CLASS	1 Character
TDIS DR CL CODE	4 Characters
DIVEST ADMIN	4 Characters
IN EFFECT ORDER DTE	6 Characters
LATA CODE	5 Characters
POP IND	1 Character
INV STAT	2 Characters
MESSAGE CODES	2 Characters occurring 10 times

Record type “Q” - equipment normalized data from the long report

CLASS CODE	4 Characters occurring 16 times
CKT COUNT	3 decimal with 4 fraction occurring 16 times, One for each Class Code

Record type “S” - Contains circuit data from the short report

CIRCUIT ID	45 Characters
TGAC	8 Characters
CKT TYPE	5 Characters
SPECIAL SVC LOCA	11 Characters
SPECIAL SVC LOCZ	11 Characters
CLASS CODE	4 Characters
DR AREA	4 Characters occurring 8 times
DR LENGTH	6 decimal with 1 fraction occurring 8 times, One for each DR Area
LOCA2	11 Characters
LOCZ2	11 Characters

NOTE — Fields related to A2 and Z2 will only be populated on any open ended circuits.

Figure 722-8. shows an example of a *Lotus*E format PC file.

```
"H","PHQTDS4 ","RRC 5H-105          ","TEST CASE 1                          ","11/01/95"
"F","CAR4NR5 ","SL","C","KSCYKSJO   ","KSCYKSNA   ","719       ","00030 ","00007","          ","     ","
"F","CAR4NR5 ","SL","C","KSCYKSNA   ","KSCYKSNA   ","TM10      ","00300 ","00277","          ","     ","
"C","CAR4AH3 ","SL","4","113  /T1    /KSCYKSJOF11/KSCYKSPAF11          ","KC","CXRXA","KS524","N","KS524","N","
"E","CAR4AH3 ","KSCYKSJO   ","D3CB000ARA","02231.07  ","    18","     ","W","M"," ","809C1","     ","  1A","1","XA
"E","CAR4AH3 ","KSCYKSJO   ","T1MR100ARA","02205A.6  ","05- 12","     ","W","M"," ","999  ","808  ","  1A","1","XA
"F","CAR4AH3 ","SL","C","KSCYKSJO   ","KSCYKS10   ","842       ","00350 ","00337","          ","     ","
"F","CAR4AH3 ","SL","C","KSCYKSJO   ","KSCYKS10   ","842       ","00550 ","00537","          ","     ","
"E","CAR4AH3 ","KSCYKS10   ","T1MR100ARA","01106.3   ","01- 12","     ","W","M"," ","999  ","808  ","  1Z","1","XA
"E","CAR4AH3 ","KSCYKSPA   ","D3CB000ARA","01151.03  ","     2","     ","W","M"," ","809C1","     ","  2A","1","XA
"F","CAR4AH3 ","SL","C","KSCYKSPA   ","KSCYKS10   ","809       ","00475 ","00465","          ","     ","
"F","CAR4AH3 ","SL","C","KSCYKSPA   ","KSCYKS10   ","809       ","00725 ","00715","          ","     ","
"C","CAR4AM6 ","SL","4","115  /T1    /KSCYKSJOF11/KSCYKSPAF11          ","KC","CXRXA","KS524","N","KS524","N","
"E","CAR4AM6 ","KSCYKSJO   ","D3CB000ARA","02231.07  ","    19","     ","W","M"," ","809C1","     ","  1A","1","XA
"E","CAR4AM6 ","KSCYKSJO   ","T1MR100ARA","02205A.7  ","05- 12","     ","W","M"," ","999  ","808  ","  1A","1","XA
"F","CAR4AM6 ","SL","C","KSCYKSJO   ","KSCYKS10   ","842       ","00325 ","00312","          ","     ","
"F","CAR4AM6 ","SL","C","KSCYKSJO   ","KSCYKS10   ","842       ","00525 ","00512","          ","     ","
"E","CAR4AM6 ","KSCYKS10   ","T1MR100ARA","01106.2   ","06- 19","     ","W","M"," ","999  ","808  ","  1Z","1","XA
"E","CAR4AM6 ","KSCYKS10   ","T1MR100ARA","01106.3   ","03- 12","     ","W","M"," ","999  ","808  ","  1Z","1","XA
"E","CAR4AM6 ","KSCYKSPA   ","D3CB000ARA","01151.05  ","     3","     ","W","M"," ","809C1","     ","  2A","1","XA
"F","CAR4AM6 ","SL","C","KSCYKSPA   ","KSCYKS10   ","835       ","00075 ","00069","          ","     ","
"F","CAR4AM6 ","SL","C","KSCYKSPA   ","KSCYKS10   ","835       ","00375 ","00369","          ","     ","
```

Figure 722-8. YDTS722 *Lotus 1-2-3* PC File

Figure 722-9. shows an example of a standard PC file.

```
HPHQTDS4 RRC 5H-105          TEST CASE 2                    11/01/96
CFAG7JP3 SLS  /LGGC/500583    /LB                SLALG11ZZ999NZZ999N                SLS780915A01
CFAG7BD5 SLSDB/FDPA/000000    /SW                MTNFD13ZZ999NZZ999N                MTS202861A01
CFAG7GL9 SLSEB/FDDZ/002076    /SW                MTNFD1ZZZ999NZZ999N                MTS202873A01
CFAG7GM6 SLSGJ/FDDZ/998876    /SW                TTNFD1ZZZ999NZZ999N                TTS005328A01
CFAE7KJ4 SLTMT/FXNT/314/235/7777                 TT     ZZ999NZZ999N
CFAE7NG2 SLSPV/BAPA/142050    /SW                TT     ZZ999NZZ999N
CFAE7NG3 SLSPV/BAPA/142051    /SW                TT     ZZ999NZZ999N
CFAE7NG4 SLSPV/BAPA/142052    /SW                TT     ZZ999NZZ999N
CFAE7QA6 SLSPV/XGGS/010441    /SW                TT     ZZ999NZZ999N
CFAG7GM2 SLSRW/FDDZ/998876    /SW                MTNFD1ZZZ999NZZ999N                MTS202875A01
CFAE7KJ6 SLTTR/FXNT/314/235/2076                 TTNFX12ZZ999NZZ999N                MTS202835A01
CFAG7LC8 SLS07/LGGC/500520    /LB                SLALG11ZZ999NZZ999N                SLS780914A01
CFAG7RK2 SLS07/LGGC/502350    /LB                SLALG11ZZ999NZZ999N                SLS785876A01
CFAG7QD7 SLS07/LGGC/575505    /LB                SLALG11ZZ999NZZ999N                SLS780863A01
CFAE7TB4 SLS07/LGGS/500707    /LB                TTALG11ZZ999NZZ999N                SLS644314A01
CFAE7TT9 SLS07/LGGS/500740    /LB                TT     ZZ999NZZ999N
CFAE7TS2 SLS07/LGGS/500741    /LB                TTALG11ZZ999NZZ999N                SLS672129A01
CFAG7DD5 SLS07/LGGS/501718    /LB                SLALG11ZZ999NZZ999N                SLS775406A01
CFAG7GL7 SLS07/LGGS/502103    /LB                SLALG11ZZ999NZZ999N                SLS764830A01
CFAG7GR3 SLS07/LGGS/502104    /LB                SLALG11ZZ999NZZ999N                SLS750181A01
CFAG7GR2 SLS07/LGGS/502105    /LB                SLALG11ZZ999NZZ999N                SLS753047A01
CFAG7GR8 SLS07/LGGS/502107    /LB                SLALG11ZZ999NZZ999N                SLS768898A01
CFAG7HG5 SLS07/LGGS/502110    /LB                SLALG11ZZ999NZZ999N                SLS787424A01
CFAG7KD9 SLS07/LGGS/635229    /LB                SLALG11ZZ999NZZ999N                SLS759097A01
CFAG7AZ4 SLS07/LGGS/782340    /LB                SLALG11ZZ999NZZ999N                SLS727201A01
CFAG7GA4 SLS07/LNGC/500236    /LB                SLALN11ZZ999NZZ999N                SLS747647A01
CFAG7RN9 SLS07/LNGC/500722    /LB                SLALN12ZZ999NZZ999N                SLS786483A01
CFAG7RM7 SLS07/LNGC/500723    /LB                SLALN11ZZ999NZZ999N                SLS786383A01
CFAG7DG6 SLT07/SBGS/618/632/5520                 SLASBG1ZZ999NZZ999N                SLS758156A01
CFAG7NX9 SLS07/XHGC/500067    /LB                SLAXH71ZZ999NZZ999N                SLS780916A01
CFAG7QW7 SL31 /FR  /002010    /SW                SLNFR11ZZ999NZZ999N                SLS783695A01
CFAE7ZS8 SLS10/DREZ/614000    /SW                SLNDR61ZZ999NZZ999N                KCS529304A01
CFAE7MT9 SLT11/TKNT/314/235/1984                 TT     ZZ999NZZ999N
CFAE7ZX7 SLS20/DREZ/008230    /SW                SLNDR61ZZ999NZZ999N                KCS529306A01
CFAE7YF4 SLS41/BAPA/102508    /SW                TTNBA13ZZ999NZZ999N                SLS644003A01
CFAE7QJ2 SLS41/BAPA/303850    /SW                SL     ZZ999NZZ999N
CFAE7QJ3 SLS41/BAPA/303853    /SW                TT     ZZ999NZZ999N
CFAG7KN8 SLT41/CLNA/314/425/7178                 SLNCL13ZZ999NZZ999N
CFAE7ZX8 SLS41/DPDA/015271    /SW                TT     ZZ999NZZ999N
CFAE7RM6 SLS41/DQDA/010001    /SW                SLNDQ53ZZ999NZZ999N                SLS717702A01
```

Figure 722-9. YDTS722 Standard PC File

722.5 Abnormal Termination

The following condition codes may be encountered during processing of the YDTS722:

Condition Code 2007 - No Header Record Found for Filename

This condition may result from improper sort of data, the program starting at the first tape, the prior program not completing correctly, or other processing malfunctions.

Condition Code 2009 - Invalid Header Record

This condition code may result from a mismatch on CPU ID or Control Date.

Condition Code 2025 - Invalid Database Owner (XX) Parameter

Since database owner is not a required input on the transmittal card, this information is deduced from the first two characters of the CPU ID input on the transmittal card.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE

The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

Condition Code 2034 - No Circuit Data Found On the Circuit Details Facility Length File for Equipment Subdivision.

This indicates that the equipment subdivision appeared in the equipment details file but no corresponding circuit identification was available in the circuit details facility length. This condition code is also the result of files being out of sync.

Condition Code 2043 - Input Requests Missing or Invalid, Processing Terminated

This condition code occurs when the control cards were rejected by the program edit or no input card was found. A corrected control card is required to restart the process.

730. YDTS730 - Generate KCT Trunk Count Report

730.1 General Description

This procedure uses the data contained in the Merged Circuit Details Facility Length File (MCDFACID) from the YDTS500, the DRDD table from on-line tables, and the DRCAT table to generate the KCT (exchange categories) Trunk Count Report.

Before executing the YDTS730, it is recommended that the Circuit Components Data Integrity Report (YDTS750) be used to ensure the accuracy of data.

730.2 Program Flow Diagram

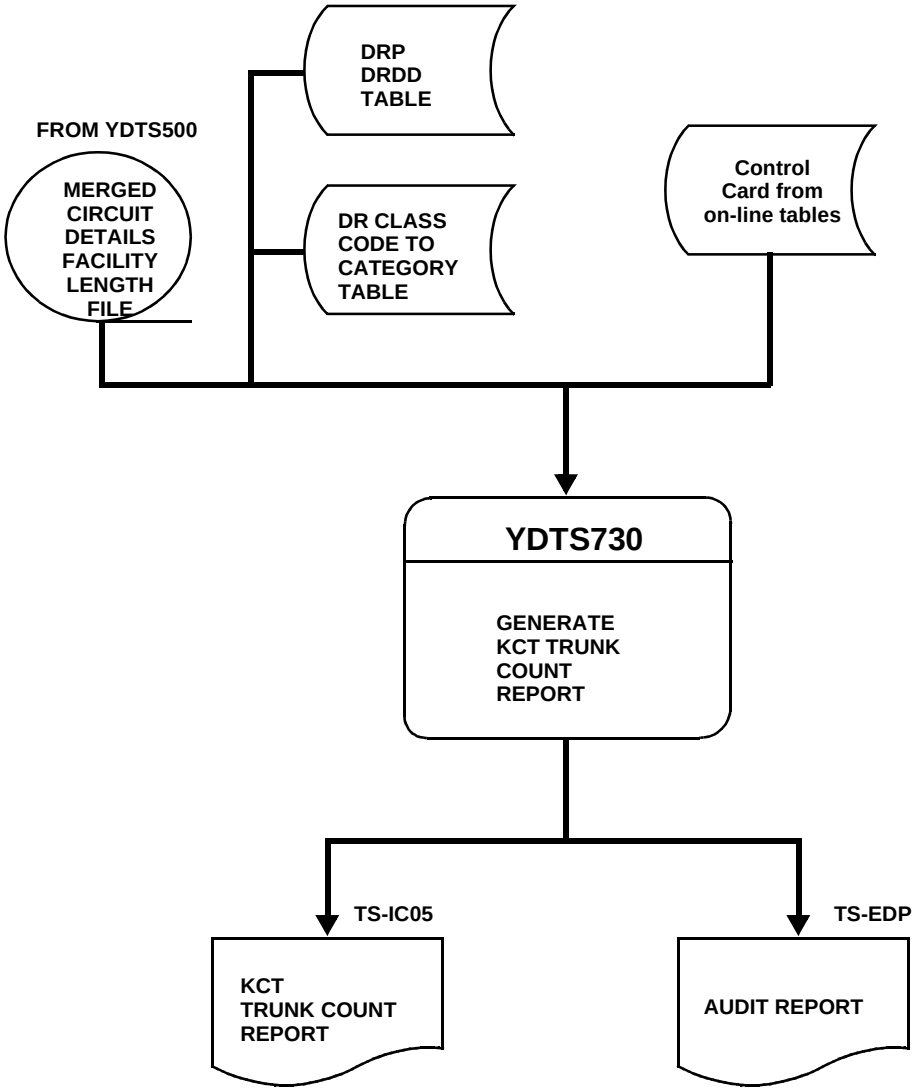


Figure 730-1. YDTS730 Program Flow Diagram

730.3 Inputs

730.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date this procedure is to be executed.
2. RUN SEQUENCING REQUIREMENTS - If more than one run has been submitted, it is necessary to specify the order in which the runs should be processed. Appendix B contains job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of the person(s) to whom the processed reports are to be delivered.

> **NOTE —** Maintenance of the control RK1, RK2, RK3, and RK4 cards for this procedure are now done by the TDIS Online Tables Update Facility (TDIS-TBL).

730.4 Outputs

730.4.1 KCT Trunk Count Report - Data Analysis Information and Processing Summary: TS-IC05

The header on this report will contain the following information :

- In the upper left-hand corner: company name, report name, and control date.
- In the upper right-hand corner: the run folder, program name/current TDIS release number, and actual run date. The TDIS release number will indicate when this process was last revised.

Refer to the current RCL to validate the current release number.

Additionally, the study area(s) specified on the input card will be reflected as well as the report title of Exchange Trunk Details, WATS Access Line Details, or Processing Summary.

The columns on the report and their content are as follows:

C LINE HEADINGS

- CKT FRMT - 1, 2, 3, 4, S, T, M, or C.
- CIRCUIT IDENTIFICATION - Complete circuit identification as defined by COMMON LANGUAGE Standards.
- CAC.
- DR CKT TYPE - The five-character code assigned for separations purposes.
- TRUNK COUNT - Value determined by TDIS logic as detailed in Appendix H.
- CKT STAT - W for working or N for non-working.
- DR AREA (A MAXIMUM OF FIVE SETS OF THIS DATA) - Value as populated on the facility ownership screen of the TIRKS header record.
- MESSAGE CODE - Two-character code indicating error or warning condition on the circuit.

F LINE HEADINGS

- CXE IND - C for cable or X for carrier.
- FACILITY IDENTIFICATION

—TERMINAL LOCATION A - Originating location/office

—TERMINAL LOCATION Z - Terminating location/office.

- CABLE #/FAC DES - Numerical identification of the cable or carrier system.
- LAST PAIR/FAC GROUP - The last numeric pair in the cable complement or the type of carrier system.
- UNIT # - Cable pair or carrier channel number.
- ASGT SUBD - Assignable portion of a cable pair.
- DR CLASS CODE - Two-character code generated via the DRDD table.
- SEQUENCE CODE - Numeric indicator of placement of the facility within the transmission path of the circuit.
- DR AREA (A MAXIMUM OF FIVE SETS OF THIS DATA CAN BE PROVIDED) - The state/study area data populated on the facility header record in the TIRKS database.
- MESSAGE CODE - Same as previous definition.

Appendix I contains expanded explanations of these fields.

Circuits with message codes of ‘‘2F’’, no facility units, and ‘‘6B’’, DR Area field blank, may be listed on these reports. Additionally, the WATS section may list circuits or facilities with the message codes of ‘‘6C’’, invalid or conflicting DR Class Code; ‘‘6D’’, circuit could not be sequenced; or ‘‘6E’’, computed trunk count greater than two. All circuits with associated with message codes other than ‘‘6E’’ should be reviewed and corrected in the TIRKS system.

Computation of Trunk Counts

The first step is to eliminate circuits with sequencing error or no facility assignments. A trunk count is computed for all other circuits via the following steps:

1. If the DR Circuit Type is MSGC2, MSGC3, MSGK2, MSGKM, or MSGRH, the trunk count is one.
2. For DR Circuit Types of MSGLD, MSWIS, and MSWST, the assigned facilities are checked for consistency of DR Class Code data. If the DR Circuit Type is MSWIS, the DR Class Code of each facility must be WI or W1. If the DR Circuit Type is MSWST, the DR Class Code must be WS or W2. If the DR Circuit Type is MSGLD, the DR Class Code must be ML or KL. Circuits that do not meet this test are discarded and listed on the detail portion of the TS-IC05 report with a message code of 6C, Invalid DR Class Code associated with DR Circuit Type - No Trunk Count Computed.

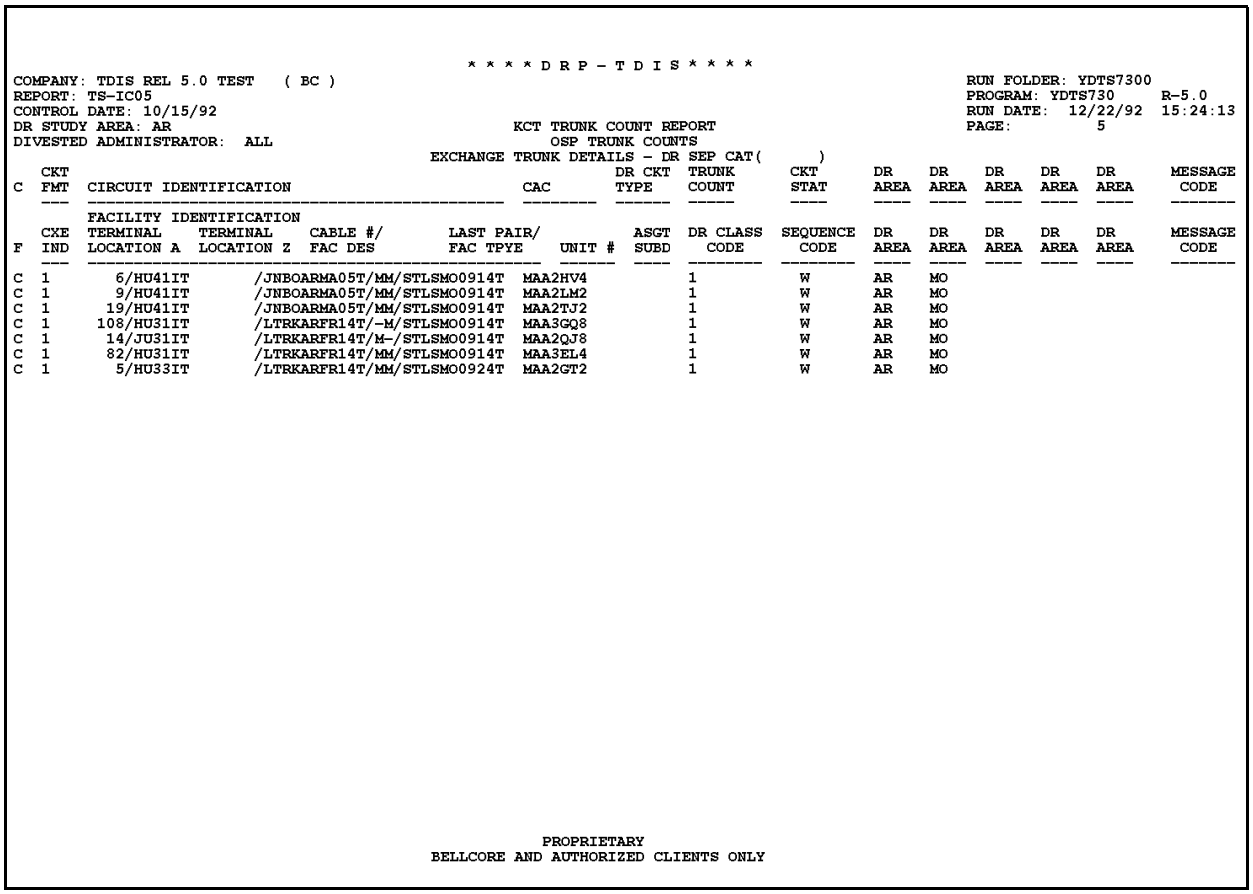
3. Circuits that meet the above criterion are then checked for assignment of interexchange facilities only, DR Class Code equal WI, WS, or ML; exchange facilities only, DR Class Code equal W1, W2, or KL; or both interexchange and exchange facilities. Based on this determination, the trunk count is computed as follows:

   - Circuits with *only* interexchange facilities are assigned a trunk count of zero.
   - Circuits with *only* exchange facilities are assigned a trunk count of one.
   - If the circuit is assigned both interexchange and exchange facilities, then each contiguous group of facilities with exchange class codes surrounded, on either side one or both sides, by one or more facilities with interexchange class codes constitutes a trunk count of one. These trunk counts are added to obtain the trunk count of the circuit. If this value is greater than two, the default value of two is used and the facility is listed on the details portion of the TS-IC05 report with message code 6E, ‘‘At Least One Study Area Associated With The Facility Has a Computed Trunk Count Greater Than Two - Two Is Used’’.

4. If the DR Circuit Type is none of those indicated in Items 1 or 2, the code is checked against the DR Circuit Type codes on the optional input.

5. If a match is found and the DR Circuit Type is MSGC1 or MSGK1, the trunk count is one.

6. If the match is other than MSGC1 or MSGK1, the circuit is first checked to ensure it is within one of the Study Areas requested on the input card. If it is within a requested Study Area, the facilities assigned to the circuit are checked to ensure that the DR Class Codes match the exchange or interexchange code for the circuit type as input on the optional CR Circuit Type Class code input. Circuits that do not meet this criterion are listed on the detail portion of the TS-IC05 report with a message code of 6C, ‘‘Invalid DR Class Code Associated With DR Circuit Type - No Trunk Count Computed’’. If the circuit passes the above tests, trunk counts are computed as detailed in Item 3 above.



```
                                        * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                    RUN FOLDER: YDTS7300
REPORT: TS-IC05                                                                        PROGRAM: YDTS730      R-5.0
CONTROL DATE: 10/15/92                                                                 RUN DATE:  12/22/92  15:24:13
DR STUDY AREA: AR                              KCT TRUNK COUNT REPORT                  PAGE:          5
DIVESTED ADMINISTRATOR:  ALL                      OSP TRUNK COUNTS
                                  EXCHANGE TRUNK DETAILS - DR SEP CAT(      )
   CKT                                                  DR CKT  TRUNK     CKT      DR    DR    DR    DR    DR      MESSAGE
C  FMT  CIRCUIT IDENTIFICATION                    CAC    TYPE    COUNT     STAT     AREA  AREA  AREA  AREA  AREA     CODE
   ---  ------------------------------------------  --------  ------  -----     ----     ----  ----  ----  ----  ----    --------
        FACILITY IDENTIFICATION
   CXE  TERMINAL    TERMINAL    CABLE #/       LAST PAIR/          ASGT  DR CLASS  SEQUENCE  DR    DR    DR    DR    DR      MESSAGE
F  IND  LOCATION A  LOCATION Z  FAC DES        FAC TPYE    UNIT #  SUBD    CODE      CODE     AREA  AREA  AREA  AREA  AREA     CODE
   ---  ----------------------------------------------  -------  ----  --------  --------  ----  ----  ----  ----  ----    --------
C  1       6/HU41IT       /JNBOARMA05T/MM/STLSMO0914T  MAA2HV4          1         W       AR    MO
C  1       9/HU41IT       /JNBOARMA05T/MM/STLSMO0914T  MAA2LM2          1         W       AR    MO
C  1      19/HU41IT       /JNBOARMA05T/MM/STLSMO0914T  MAA2TJ2          1         W       AR    MO
C  1     108/HU31IT       /LTRKARFR14T/-M/STLSMO0914T  MAA3GQ8          1         W       AR    MO
C  1      14/JU31IT       /LTRKARFR14T/M-/STLSMO0914T  MAA2QJ8          1         W       AR    MO
C  1      82/HU31IT       /LTRKARFR14T/MM/STLSMO0914T  MAA3EL4          1         W       AR    MO
C  1       5/HU33IT       /LTRKARFR14T/MM/STLSMO0924T  MAA2GT2          1         W       AR    MO

                                          PROPRIETARY
                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 730-2. KCT Trunk Count Report - Data Analysis Information and Processing Summary: TS-IC05

730.4.2 Audit Report: TS-EDP

This report is separated into three sections: KCT Trunk Count Report, Special Handling DR Circuit Types, and Category Select Verification Report. Major items and checks that should be made on each of these reports are as follows:

KCT TRUNK COUNT REPORT

An image of all input cards will be reflected on the first line under ‘‘Card Columns’’ as well as any message codes that were generated. Message codes that may be encountered are as follows. Message codes should not appear. If they do, call Bellcore.

5A - Indicated Field is Invalid
The invalid data will be underlined to assist the user in initiating corrections. This message is also used to flag a duplicate DR Group/DR Class Code combination.

5A - Indicated Field is Invalid
The data in question will be underlined to assist the user in initiating necessary corrections.

5B - Required Field is Missing
The input card is lacking critical data necessary to initiate the process. A corrected input card is required to restart the process.

5M - Illegal Input Card Combination. .

5N - Request Limit Exceeded
The user has submitted more than the allowed number of input cards.

DBO value is printed on the next line. This should match the value input on the transmittal form.

The following items are for verifying the accuracy and completeness of the process:

DRP DRDD Table Initially Loaded On
The date the TIRKS table was loaded into T/DIS.

DRP DRDD Table Last Updated On
The date of the last update.

DRP DRDD Table Records Read
The number of table records in the current DRDD table.

DRCAT Table Last Updated On
The date of the last table update for the selected version.

DRCAT Table Records Read
The number of table records in the current DRCAT table.

KCT Trunk Count Report Requests Read
The number of Study Areas within the BCC/IDC if ‘‘**’’ was input or the number of specific Study Areas requested.

Accepted KCT Trunk Count Report Requests: Study Area (RK1), DR Circuit Type (RK2), Category Trunk Select (RK3), Category Circuit Select (RK4)
This should equal the number of cards input.

Rejected KCT Trunk Count Report Requests: Same categories as for Accepted plus Total
Any rejected cards should be analyzed and resubmitted as necessary.

Circuit Details Facility Length Records Read: Circuit Records, Facility Records and Total
This should correspond to the number of records written by YDTS500.

SPECIAL HANDLING DR CIRCUIT TYPES

- DR CIRCUIT TYPE - Five-character code.
- CLASS CODES EX AND IX - Class codes associated with above DR circuit type code.
- EXCH DR CATEGORY - The exchange category associated with the two previous items.

RK3(4) CATEGORY SELECT VERIFICATION REPORT

This report has the same column headings and content as the Special Handling Report.

The data on this report may be used to verify if the DR Circuit Type/Class Code combinations are being directed to the proper DR category.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: REL 51 TEST CB NES   ( CB )                                                    RUN FOLDER: YDTS730
REPORT: TS-EDP                                                                          PROGRAM: YDTS730     R-5.1
CONTROL DATE: 10/04/93                                                                  RUN DATE:  10/25/93  19:00:19
                                     EDP PROGRAM SUMMARY AND AUDIT REPORT               PAGE:         2
                                             KCT TRUNK COUNT REPORT
                                1         2         3         4         5         6         7         8      ERROR
           CARD COLUMNS     12345678901234567890123456789012345678901234567890123456789012345678901234567890     MESSAGES
                            730A 1 NE CH CK
                            730D 2LCL                                                                            5M
                                          DATA BASE OWNER: CB
                          KCT TRUNK COUNT REPORT REQUESTS READ                                  =           2
                          ACCEPTED KCT TRUNK COUNT REPORT REQUESTS: STUDY AREA          (RK1) =           1
                                                                    DR CIRCUIT TYPE     (RK2) =           0
                                                                    CATEGORY TRUNK SELECT (RK3) =         0
                                                                    CATEGORY CIRCUIT SELECT (RK4) =       0
                          REJECTED KCT TRUNK COUNT REPORT REQUESTS: STUDY AREA          (RK1) =           0
                                                                    DR CIRCUIT TYPE     (RK2) =           0
                                                                    CATEGORY TRUNK SELECT (RK3) =         0
                                                                    CATEGORY CIRCUIT SELECT (RK4) =       1
                          CIRCUIT DETAILS FACILITY LENGTH RECORDS READ: CIRCUIT RECORDS  (1)     =     201,535
                                                                        FACILITY RECORDS (2)     =     188,788
                                                                        NORMALIZED USAGE (3)     =      18,705
                                                                        TOTAL                    =     409,028
                          TS-IC05 REPORTS WRITTEN                                               =           3



MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID
   5B - REQUIRED FIELD IS MISSING
   5M - ILLEGAL INPUT CARD COMBINATION PROCESSING BASED ON RK1 OPTION
```

Figure 730-3. Audit Report: TS-EDP

730.5 Abnormal Termination

The following conditions may result in termination of the process:

Condition Code 2007 - No header record found for file name

This condition code may result from improper sort of data, the program not starting at the first tape, the prior program not completing correctly, or other processing malfunctions.

Condition Code 2009 - Invalid header record found on file name.

This could be a mismatch on CPU ID. A corrected input card is necessary to restart the process.

Condition Code 2012 - Illegal Condition Code returned from the PL/I sort routine.

This condition code indicates that the value input on the transmittal did not appear on the internal table of valid DBOs. Correct the transmittal and resubmit.

Condition Code 2025 - INVALID DATA BASE OWNER .

The parameter entered was a invalid Data Base Owner.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE

The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

Condition Code 2043 - Input Requests missing or invalid.

This condition code is produced when any update is invalid or when no updates were supplied.

Condition Code 2098 - CIRCUIT TYPES EXCEEDED MAXIMUM value of 4000.

Condition Code 2099 - STUDY AREAS EXCEEDED MAXIMUM value of 50.

731. YDTS731 - Generate HICAP Mileage Reports and Channelized HICAP File

731.1 General Description

This procedure creates the HICAP mileage reports and the Channelized HICAP file, which identify mileage and terminations associated with Special Access HICAP carrier facilities.

HICAP carrier facilities are identified with unique DR Group Codes and or circuit types.

The following paragraphs describe how facilities are selected for inclusion on these reports. Additional purification procedures and usage of the output data are also discussed.

A Special Access HICAP carrier system is provisioned as a facility in the TIRKS F1 database and as a carrier circuit in the TIRKS C1 database. Therefore, a Special Access HICAP carrier system will be identified as a carrier facility on the TDIS Facility Summary File and as a carrier circuit on the TDIS Merged Circuit Details Facility Length file.

Special Access HICAP carrier systems are identified in the merged facility summary file based on the facility group code of F, R, N, or other unique codes created by a BCC or by the DR circuit type to meet specific requirements. HICAP-identified facilities are matched to their corresponding carrier circuit in the Merged Circuit Details Facility Length File. When a match is found, the class code of the facility on the carrier circuit is extracted from the circuit file. The HICAP facility from FACSUM and the extracted class code from the circuit file are written to the channelized HICAP file. If the carrier circuit contains no assigned facilities, the facility class code is derived by using Group Code ‘‘T’’, indicating tie facility, and the DR CKT TYPE of the carrier circuit to look up the Class Code in the DRDD table. If a class code cannot be derived from the DRDD table search, then ‘‘N/A’’ (not available) is stored in the HICAP file and printed on the TS-IC28 report with DBERR as the DR CKT Type and QQ as the class code.

When this process is run, it creates a cross-reference file for the CES. To create this cross-reference file, companies must use the old batch version of CES. The new version of CES requires the creation of four-character codes in YDTS300. This cross-reference file is used to map all private line circuits provisioned on HICAP systems to the jurisdiction of the particular HICAP carrier system. This mapping ensures that all of the investment associated with a HICAP carrier system is jurisdictionally allocated in the same manner as the HICAP carrier system itself. Although a customer may choose to provision voice grade, private line services on a HICAP carrier system, the system itself is purchased under a State or Interstate Wideband tariff. Therefore, all investment associated with the HICAP carrier system (excluding message usage on Interstate or State InterLATA tariffed HICAP), should be allocated to the same jurisdiction as the tariff under which the facility is sold.

The following reports will be generated, and each is discussed in detail later in this section:

1. HICAP Memo Miles Report (Summary) - TS-IC20
2. HICAP Memo Miles Detail Report (Printed if DETAIL REPORT OPTION = Y on HC1 Card) - TS-IC21
3. HICAP Memo Miles Exception Report (No Facilities) - TS-IC22
4. Channelized HICAP Detail Report - TS-IC27
5. Channelized HICAP by Location Report - TS-IC28
6. HICAP Carrier Systems With No Matching Circuit ID Error Report - TS-IC29
7. EDP Program Summary and Audit Report - TS-EDP.

731.2 Program Flow Diagram

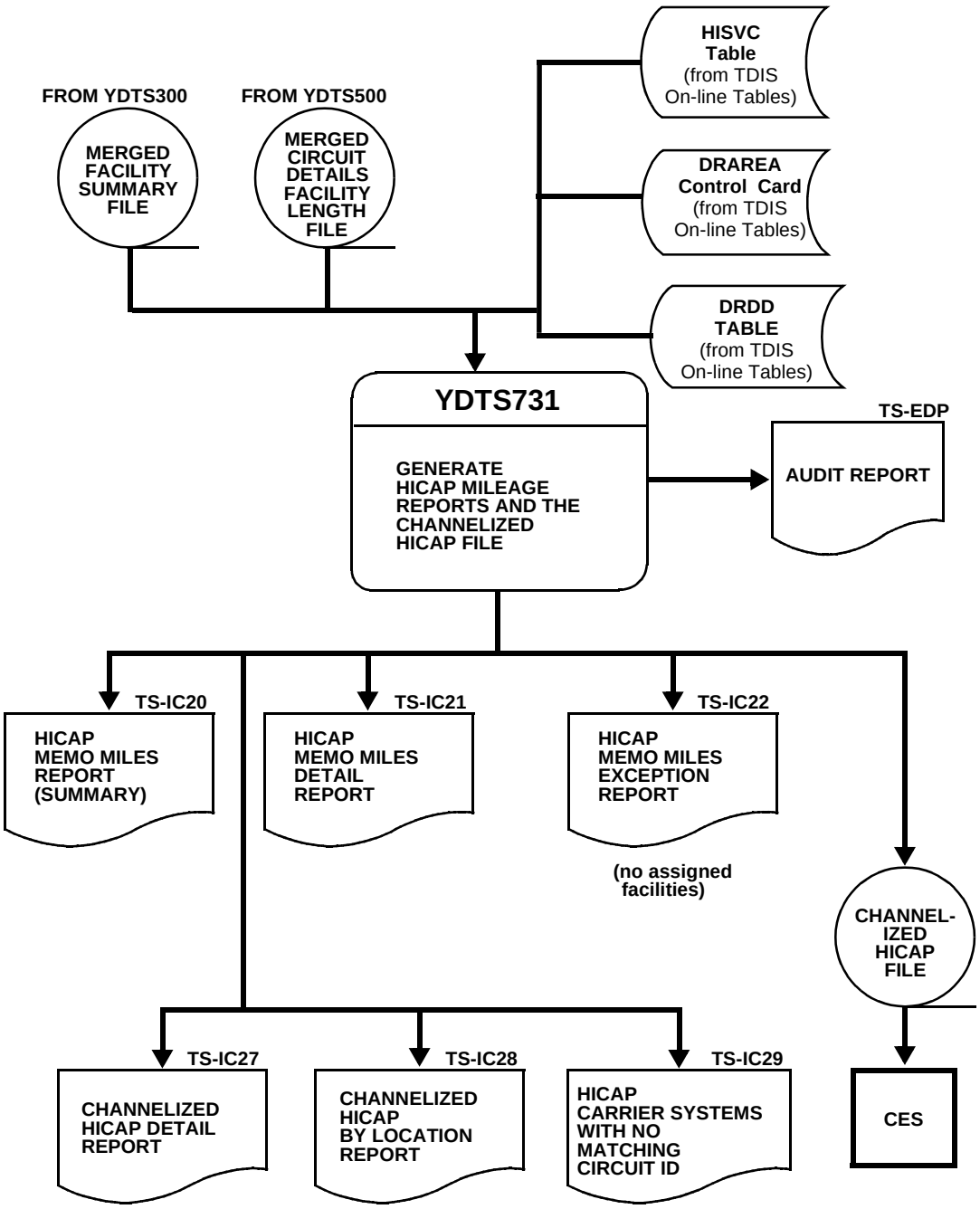


Figure 731-1. YDTS731 Program Flow Diagram

731.3 Inputs

731.3.1 Transmittal to Request the Run

The following data items must be included on the transmittal form.

1. RUN DATE - Specify the date this procedure is to be initiated.
2. RUN SEQUENCING REQUIREMENTS - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B contains job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of person(s) to whom the processed reports are to be delivered.

> **NOTE —** Maintenance of the control card for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL).

731.4 Outputs

731.4.1 HICAP Memo Miles Report (Summary): TS-IC20

The TS-IC20 report summarizes the total Special Access HICAP miles by study area, based on the control card and specific special service codes.

The internal logic will select and report the service codes from the HICAP Special Service Codes (HISVC) table maintained by the TDIS On-Line Table Update Facility.

The definition of service codes can be obtained from Job Aids JA STS-000042, *COMMON LANGUAGE CLCI-SS Special Service Circuit Codes and Definitions: LATA Access Services*, and JA ISD-000025, *COMMON LANGUAGE CLCI-SS Special Service Circuit Codes and Definitions: IntraLATA Services and Licensees.* These job aids are associated with BR 795-402-100, *COMMON LANGUAGE Codes: Special Service Code Set*.

The output report is sorted alphabetically by service code and by class code within the service code. All class codes associated with the specific service code will be listed.

The report heading will contain the following information:

- In the upper left-hand corner: company name, report number of TS-IC20, the control date, and DR study area, as specified on the control card.
- In the upper right-hand corner: the run folder, program name, TDIS release number, run date, and page number.

  The report title will always be ‘‘HICAP MEMO MILES REPORT (SUMMARY)’’. Data will be displayed in columns; the first column does not contain a heading. This column will reflect either ‘‘Class Code Total’’ or ‘‘Serv Code Total’’.
- SERVICE CODE COLUMN - This column will reflect one of the service codes defined above. This service code is associated with a class code and will be repeated as many times as necessary to display all data.
- CLASS CODE COLUMN - This column will reflect all class codes associated with the specific service code displayed in the previous column.
- CBL/CXR MILES - This column will reflect the total cable and/or carrier miles accumulated for the specific class code.
- TIMES 24 = HICAP MEMO MILES COLUMN - This column will contain the count of cable/carrier miles, previously reported, times a factor of 24. There were indications that this value would be used in reporting circuit miles, since a HICAP circuit was felt to be equivalent to 24 individual circuits. Utilization of this data may or may not be appropriate for your company.

Under each of the above-defined columns, except class code, is a data line ‘‘Serv Code Total’’. This value represents the total of the previous lines for each service code listed on the report.

The last entry on the report is ‘‘AREA CODE TOTAL’’. This value is a summary of all the ‘‘SRV CODE TOTAL’’ lines.

* * * * D R P – T D I S * * * *

COMPANY: BELLCORE RELEASE TESTING (PA)
REPORT: TS–IC20
CONTROL DATE: 07/01/91
DR STUDY AREA: PACA

RUN FOLDER: YDTS7310
PROGRAM: YDTS731 R–5.0
RUN DATE: 11/20/92 09:28:04
PAGE: 1

HI–CAP MEMO MILES REPORT (SUMMARY)

	SERVICE CODE	CLASS CODE	CBL/CXR MILES	TIMES 24 =	HI–CAP MEMO MILES
CLASS CODE TOTAL	DH	BW	253.50		6,084.00
CLASS CODE TOTAL	DH	LO	409.00		9,816.00
CLASS CODE TOTAL	DH	NN	59.70		1,432.80
CLASS CODE TOTAL	DH	SN	4,908.40		117,801.60
CLASS CODE TOTAL	DH	WB	4,306.60		103,358.40
SRV CODE TOTAL	DH		9,937.20		238,492.80
CLASS CODE TOTAL	HC	PR	16,454.90		394,917.60
CLASS CODE TOTAL	HC	RP	2,216.70		53,200.80
CLASS CODE TOTAL	HC	TU	370.80		8,899.20
CLASS CODE TOTAL	HC	UT	64.30		1,543.20
CLASS CODE TOTAL	HC	V1	185.60		4,454.40
CLASS CODE TOTAL	HC	1V	306.40		8,513.60
CLASS CODE TOTAL	HC	1X	0.50		12.00
CLASS CODE TOTAL	HC	39	9.90		237.60
SRV CODE TOTAL	HC		19,699.10		472,778.40
CLASS CODE TOTAL	HF	B4	526.00		12,624.00
CLASS CODE TOTAL	HF	39	176.20		4,228.80
SRV CODE TOTAL	HF		702.20		16,852.80
CLASS CODE TOTAL	HI	SN	573.40		13,761.60
SRV CODE TOTAL	HI		573.40		13,761.60
CLASS CODE TOTAL	HS	XA	0.70		16.80
SRV CODE TOTAL	HS		0.70		16.80

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Figure 731-2. HICAP Memo Miles Report (Summary page 1): TS-IC20

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BELLCORE RELEASE TESTING   ( PA )                                                         RUN FOLDER: YDTS7310
REPORT: TS-IC20                                                                                    PROGRAM: YDTS731      R-5.0
CONTROL DATE: 07/01/91                                                                             RUN DATE:  11/20/92  09:28:04
DR STUDY AREA: PACA                            HI-CAP MEMO MILES REPORT (SUMMARY)                  PAGE:          2
                                             SERVICE    CLASS    CBL/CXR        TIMES     HI-CAP
                                             CODE       CODE     MILES          24 =      MEMO MILES
                                             -------    -----    ----------               ----------
                  AREA CODE TOTAL                                    30,912.60            741,902.40

                                                              PROPRIETARY
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```

Figure 731-3. HICAP Memo Miles Report (Summary page 2): TS-IC20

731.4.2 HICAP Memo Miles Report (Summary): TS-IC21

This report provides circuit and facility details for zero-ended HICAP systems associated with the DR Study Area(s) entered on the control card. This report is only produced if the ‘‘Details Report Option’’ field on the control card is populated with a ‘‘Y’’.

The report header for this and all other reports generated by YDTS731 will contain the same information as listed for the TS-IC20 report. Only the report number/name will change.

The column headings and content are as follows:

- CIRCUIT ID - The unique code that identifies the circuit item. Details regarding development of this code may be found in BR 756-551-790.
- CAC - A TIRKS system-generated code that is equivalent to and provides a cross-reference to the circuit or group.
- SPECIAL SERVICE LOC A - The originating office/location of the Special Service Circuit.
- SPECIAL SERVICE LOC Z - The terminating office/location of the Special Service Circuit.
- SPECIAL SERVICE LOC A2 - Indicates the secondary originating office/location of an OPEN ENDED SPECIAL SERVICE CIRCUIT.
- SPECIAL SERVICE LOC Z2 - Indicates the secondary terminating office/location of an OPEN ENDED SPECIAL SERVICE CIRCUIT.
- CABLE SYSTEM - The cable number or carrier system number to which the Special Service Circuit is assigned.
- FACILITY TYPE - This field identifies the characteristics of the carrier system, i.e., T1, T1U, etc.
- UNIT NUMB - The actual carrier channel assigned to the circuit.
- CLASS CODE - This field reflects the DR Class Code as it appears in the TIRKS database (at the unit level) or the DR Class Code that was generated by TDIS process YDTS300.
- TERMINAL LOC A - The originating office/location of the carrier system.
- TERMINAL LOC Z - The terminating office/location of the carrier system.
- DR LENGTH - The DR Area Length as it appears on the TIRKS header record for the carrier system.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                    RUN FOLDER: YDTS731
REPORT: TS-IC21                                                                     PROGRAM: YDTS731     R-7.0
CONTROL DATE: 03/24/97                                                              RUN DATE:  05/07/97  14:23:46
DR STUDY AREA: MOSL                          HI-CAP MEMO MILES DETAIL REPORT        PAGE:         2

                                                    CIRCUIT     SPECIAL       SPECIAL       SPECIAL       SPECIAL
                                                    ACCESS      SERVICE       SERVICE       SERVICE       SERVICE
CIRCUIT ID                                          CODE        LOC A         LOC Z         LOC A2        LOC Z2
-------------------------------------------------   --------    -----------   -----------   -----------   -----------

     CABLE      FACILITY      UNIT      CLASS   TERMINAL       TERMINAL       DR
     SYSTEM     TYPE          NUMB      CODE    LOC A          LOC Z          LENGTH
   ----------   ---------     ------    ----    -----------    -----------    ------

99/HCGS/104152    /DC  /                          SMP4RZ7     WASHDCXDW99    WASHDCXF      WASHDCXGW99
   701           T3            00004     QQ      WASHDCXD     WASHDCXDW99          0.5

99/HCGS/104152    /DC  /                          SMP4RZ7     WASHDCXDW99    WASHDCXF      WASHDCXGW99
   N0002         OC12P         121  W    QQ      WASHDCXH      WASHDCXQ           17.6

99/HCGS/133150    /DC  /                          SMP4RZ4     WASHDCXQW99    WASHDCXF      WASHDCXBW99
   N0001         OC12          231  E    QQ      WASHDCXL      WASHDCXQ           17.6
   N0001         OC12          231  E    QQ      WASHDCXB      WASHDCXL           17.6
   N0001         OC12          231  E    QQ      WASHDCXJ      WASHDCXN           17.6
   N0001         OC12          231  W    QQ      WASHDCXJ      WASHDCXQ           17.6
   N0001         OC03          324  E    QQ      WASHDCXF      WASHDCXJ           17.6
   N0001         OC12          231  E    QQ      WASHDCXN      WASHDCXS           17.6
   N0001         OC03          324  W    QQ      WASHDCXF      WASHDCXX           17.6
   N0001         OC03          324  E    QQ      WASHDCXS      WASHDCXX           17.6

99/HCGS/133151    /DC  /                          SMP4RZ5     WASHDCXQW99    WASHDCXF      WASHDCXBW99
   N0001         OC12          224  E    QQ      WASHDCXL      WASHDCXQ           17.6
   N0001         OC12          224  E    QQ      WASHDCXB      WASHDCXL           17.6
   N0001         OC12          224  E    QQ      WASHDCXJ      WASHDCXN           17.6
   N0001         OC12          224  W    QQ      WASHDCXJ      WASHDCXQ           17.6
   N0001         OC03          323  E    QQ      WASHDCXF      WASHDCXJ           17.6
   N0001         OC12          224  E    QQ      WASHDCXN      WASHDCXS           17.6
   N0001         OC03          323  W    QQ      WASHDCXF      WASHDCXX           17.6
   N0001         OC03          323  E    QQ      WASHDCXS      WASHDCXX           17.6

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Figure 731-4. HICAP Memo Miles Detail Report: TS-IC21

731.4.3 HICAP Memo Miles Exception Report (No Facilities): TS-IC22

This report provides a listing of the Special Access HICAP circuits, for the selected DR Area(s), that do not have facility assignments in the TIRKS database. Any circuit on this report, other than those defined as intrabuilding, should be referred to the TIRKS organization for correction in the F1 database. Intrabuilding circuits are generally defined as those where the first eight characters of Location A and Z are the same. However, there may be a unique situation within your company that results in an exception to this definition.

The following information is provided on this report:

- CIRCUIT ID - The unique code that identifies the circuit. Details regarding development of this code may be found in BR 756-551-790.
- CAC - A TIRKS system-generated code that is equivalent to and provides a cross-reference to the circuit or group.
- SPECIAL SERVICE LOC A - The originating location/office of the Special Service Circuit.
- SPECIAL SERVICE LOC Z - The terminating location/office of the Special Service Circuit.
- SPECIAL SERVICE LOC A2 - Indicates the secondary originating office/location of an OPEN ENDED SPECIAL SERVICE CIRCUIT.
- SPECIAL SERVICE LOC Z2 - Indicates the secondary terminating office/location of an OPEN ENDED SPECIAL SERVICE CIRCUIT.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - SYSTEST 6.0 ENVIRONMENT   ( CB )                                  RUN FOLDER: YDTS731
REPORT: TS-IC22                                                                   PROGRAM: YDTS731     R-6.0
CONTROL DATE: 04/18/96                                                            RUN DATE:  04/22/96  16:33:54
DR STUDY AREA: NJ                          HI-CAP MEMO MILES EXCEPTION REPORT     PAGE:         3

                                           EXCEPTION REPORT (NO FACILITIES)

                                                    CIRCUIT     SPECIAL       SPECIAL       SPECIAL       SPECIAL
                                                    ACCESS      SERVICE       SERVICE       SERVICE       SERVICE
      CIRCUIT ID                                    CODE        LOC A         LOC Z         LOC A2        LOC Z2
      ------------------------------------------    --------    -----------   -----------   -----------   -----------
      01/HCDS/565786    /NJ  /                      SMP4TZ8     WHHSNJT7      WHHSNJT8
      01/HCDS/821065    /NJ  /                      SMP4XF2     WHHSNJT7      WHHSNJT8
      01/HCGS/13167  002/NJ  /                      SMQ4HN5     WHHSNJ13      WHHSNJ20      WHHSNJ11      WHHSNJT1AMD
      01/HCGS/13167  003/NJ  /                      SMQ4HN6     WHHSNJ13      WHHSNJ20      WHHSNJ11      WHHSNJT1AMD
      01/HCGS/780321 001/NJ  /                      SMQ4HL5     WHHSNJT4AMD   WHHSNJ20      WHHSNJT3AMD   WHHSNJT1AMD
      01/HCGS/780321 002/NJ  /                      SMQ4HL6     WHHSNJT3AMD   WHHSNJ20      WHHSNJT4AMD
      01/HCGS/780321 003/NJ  /                      SMQ4HL7     WHHSNJ20      WHHSNJT3AMD                 WHHSNJT4AMD
      1 /DHDC/090045    /NJ  /                      SMP4PC7     BYNNNJ01      NTLYNJNU
      10/HCDS/11008     /SW  /                      SMQ4AM7     PISCNJMT      SMVLNJMT
      10/HCDS/11009     /SW  /                      SMQ4CM3     PISCNJMT      SMVLNJMT
      10/HCDS/22003     /SW  /                      SMQ4AN2     PISCNJMT      SMVLNJMT
      10/HCDS/22004     /SW  /                      SMQ4CM4     PISCNJMT      SMVLNJMT
      10/HCDS/33002     /SW  /                      SMQ4AP4     PISCNJMT      SMVLNJMT
      10/HCDS/33003     /SW  /                      SMQ4CM5     PISCNJMT      SMVLNJMT
      11/HCDS/00020     /SW  /                      SMP4ZE2     PISCNJMT      SMVLNJMT
      11/HCDS/00021     /SW  /                      SMQ4CM2     PISCNJMT      SMVLNJMT
      11/HCDS/90026     /SW  /                      SMQ4GV5     PISCNJMT      SMVLNJMT
      2 /DHDC/090110    /NJ  /                      SMP4PC8     BYNNNJ01      NTLYNJNU
      99/DHGS/54321     /NJ  /                      SMP4RA4     PISCNJLS      PISCNJU0001

                                        * * * * * *  END OF REPORT  * * * * * *
                                                      PROPRIETARY
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Figure 731-5. HICAP Memo Miles Exception Report (No Facilities): TS-IC22

731.4.4 Channelized HICAP Detail and Summary Report: TS-IC27

This report is divided into two sections: the detail report pages and the summary page.

The detail report provides information related to the channelized circuits identified as HICAP by the internal processing procedures of the program. This information is grouped by DR Study Area. Channelized HICAP circuits are carrier systems with unique DR Group Codes identified in the GRPCODE table.

For a system, the report displays the system's facilities; the system with its DR Circuit Type, Total, Working, and Spare; and all channel assignments. Working channels are printed below the carrier system identification. For each working channel, the assigned circuit and circuit type are printed. Program logic will look at channels on a consecutive basis. If consecutive message trunk numbers within the same trunk group are assigned, message trunk compression will be used to print only the first channel on which the group is assigned. However, the number of trunks assigned to the system will be reflected in the total working column of the report.

For carrier systems, the program compares the DR Area miles of the underlying facilities to the DR Area Miles of the first working channel, which is the system length. The multiwire indicator is also used in this comparison to eliminate double counts for cable pairs. If there is a discrepancy between the two mileage figures, an ''arrowhead pointer'' will be printed on the report to highlight where facility miles are not consistent with the system length. This comparison is *not* performed when there is a facility sequencing error on the system or there are no inventoried facilities. Any systems with discrepancies between the underlying mileage and the system mileage should be referred to the TIRKS personnel for correction.

The following situations may cause a pointer to be printed on the report, and no associated facilities lines are printed below the system line:

- The Circuit ID of the system was classified as non-working, but the channels on the system reflected working circuits.
- The underlying facilities did not have a DR Area equal to what was specified on the input card. Example: The DR Area requested was GTOH, which was on the carrier system, but was not found on the facilities used to design the system. When this situation occurs, a pointer will highlight the first working channel of the carrier system on the report.

The two situations described above should also be referred to the TIRKS organization for corrective action.

Data will be displayed on the details report under the following headings:

FACILITY LINE

- CAB/SYS NUMBER - The cable number or carrier system number of the underlying facility used to create the HICAP system.

- SYS/FAC TYPE - The facility type of any underlying carrier system or the cable number used to create the HICAP system.
- FACILITY LOCATION A - The originating location/office of the underlying facility.
- FACILITY LOCATION Z - The terminating location/office of the underlying facility.
- PR/CHAN - The actual cable pair or carrier system channel to which the HICAP system is assigned.
- DR GRP - The unique DR Group Code assigned to the cable complement or carrier system used to create the HICAP system.
- CLS CODE - The DR Class Code that was generated when the HICAP system Circuit ID was posted to either the cable pair or carrier channel.
- DR MILES - The DR Area Miles that are reflected on the TIRKS facility header record for the cable or carrier.

SYSTEM LINE

- SYSTEM NUMBER - The numeric identification of the HICAP system that was assigned when the system was created in TIRKS.
- SYSTEM TYPE (FAC TYPE) - Refer to definition under FACILITY LINE.
- SYSTEM LOC A - The originating location/office of the HICAP system.
- SYSTEM LOC Z - The terminating location/office of the HICAP system.
- DR CKT TYPE - The DR Circuit Type that was assigned to the HICAP system when the creation order was entered in the TIRKS System. This controls the development of the Class Code on preceding lines.
- DR GRP - The DR Group code that was assigned to the HICAP system. This code is based on the end points of the HICAP system and may be different than the DR Group Code assigned to the underlying facilities. This code and the DR Circuit Type on the channels control the Class Code on the channels.
- TOTAL CHANS - The total number of channels that were entered in TIRKS when the HICAP system header was created. This value will be determined by local procedures and may be from 1 to 24. A one-channel system may be encountered if a company is creating a unique system for the zero-ended pipe. Otherwise, the system will normally have 24 DS-1 level channels available for assignment of individual circuits.
- TOTAL WORKING - This value will reflect the number of working channels in the HICAP system.

- TOTAL SPARE - This value will reflect the difference between the total channels and the total working channels.

CHANNEL LINE

- CHAN - The actual HICAP carrier system channel.
- CIRCUIT IDENTIFICATION - The COMMON LANGUAGE description of the special service or switched access circuit assigned to the HICAP carrier system.
- DR CKT TYPE - The DR Circuit Type that was assigned to the Special Service Circuit or switched access circuit when the originating order was created in the TIRKS system.
- TGAC/CAC - The TGAC (message) or the CAC (special access or carrier) associated with the circuit assigned to the channel.
- DR CLS CODE - The two-character DR Class Code that was generated by TIRKS when the circuit was posted to the HICAP system channel or the DR Class Code that was regenerated by YDTS300.
- DR MILES - The total DR Area Miles that were posted to the HICAP system header when the system was created in the TIRKS database.

> **NOTE —** If the Channel DR Miles are different than the Facility DR Miles, an arrowhead pointer will indicate the discrepancy. This situation should be referred to your local TIRKS organization for investigation and correction.

The Summary Page of this report will provide a count of DR Circuit Types encountered for working channelized HICAP systems. Any DR Circuit Type of ‘‘DBERR’’ should be analyzed and corrected in TIRKS to ensure database consistency. The DR Circuit Type of DBERR is created by finding a HICAP system in FACSUM and not finding the Circuit ID for that system in C1.

There are only two columns on this report: DR CKT TYPE and COUNT.

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                    RUN FOLDER: YDTS731
REPORT: TS-IC27                                                                     PROGRAM: YDTS731     R-7.0
CONTROL DATE: 03/24/97                                                              RUN DATE:  05/07/97  14:23:46
DR STUDY AREA: UNKN                    CHANNELIZED HI-CAP DETAIL REPORT             PAGE:         1

    FACILITY:    CAB/SYS     SYS/FAC     FACILITY       FACILITY         PR/       DR       CLS
                 NUMBER       TYPE       LOCATION A     LOCATION Z       CHAN      GRP      CODE    DR MILES
                ----------   ---------    -----------    -----------      ------    ---      ----    ---------
    SYSTEM:          SYSTEM     SYSTEM    SYSTEM         SYSTEM                    DR CKT   DR         TOTAL   TOTAL     TOTAL
                     NUMBER     TYPE      LOC A          LOC Z                      TYPE    GRP        CHANS  WORKING    SPARE
                    ----------  ------    ------         ------                    ------   ----       -----  -------    -----
                                                                                   DR CKT    TGAC     DR CLS
    CHANNEL:            CHAN                CIRCUIT IDENTIFICATION                TYPE      CAC      CODE   DR MILES
                        ------   ------------------------------------------------  ------   --------  ------  ---------
         SYS        111          T1        FTLDFLMA       FTLDFLSU                 ALG15    X            24        0       24

         SYS        101          T1        PISCNJMT       PISCNJMTK01              ALG15    X            24        0       24

         SYS        XEFR4        T1        PISCNJMT       SMVLNJMT                 CXRXA    N           100        0      100

         SYS        LS125        T1        PISCNJMT       SMVLNJMTLGH              CXRXA    N            24       24        0

         SYS        101          T1        SMVLNJMT       SMVLNJMTK01              ALG15    X            24        0       24




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Figure 731-6. YDTS170 - Channelized HICAP Detail Report: TS-IC27

```
                                     * * * * D R P - T D I S * * * *
COMPANY: BELLCORE RELEASE TESTING   ( PA )                                                 RUN FOLDER: YDTS7310
REPORT: TS-IC27                                                                            PROGRAM: YDTS731     R-5.0
CONTROL DATE: 07/01/91                                                                     RUN DATE:  11/20/92  09:28:04
DR STUDY AREA: PACA                  CHANNELIZED HI-CAP DETAIL REPORT                      PAGE:        328
                                       DR CIRCUIT TYPE COUNT SUMMARY
                                             DR
                                             CKT
                                             TYPE         COUNT
                                             ----         -----
                                             ASXI4           61
                                             ASXI1          705
                                             ASXI6            1
                                             DBERR            1
                                             AXRSI            1






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Figure 731-7. Channelized HICAP Detail Report
(DR Circuit Type Summary Page): TS-IC27

731.4.5 Channelized HICAP by Location Report: TS-IC28

This report contains the same information as the TS-IC27 report, but the data is sorted by Study Area and location.

If a carrier system resides in TIRKS F1 but not in TIRKS C1, the program will reflect UNKNOWN in the CAC field for that system. These systems will also be reflected on the TS-IC29 report, ‘‘Circuit ID Not Found In Circuit Details File’’. These discrepancies must be corrected in the TIRKS database. The same report columns as described for SYSTEM LINE of TS-IC27 report will appear on this report.

* * * * D R P – T D I S * * * *

COMPANY: BELLCORE RELEASE TESTING (PA) — RUN FOLDER: YDTS7310
REPORT: TS-IC28 — PROGRAM: YDTS731 R-5.0
CONTROL DATE: 07/01/91 — RUN DATE: 11/20/92 09:28:04
DR STUDY AREA: PACA — CHANNELIZED HI-CAP BY LOCATION REPORT — PAGE: 1
LOCATION: ALNAPAAC

CAC	SYSTEM NUMBER	SYSTEM TYPE	SYSTEM LOC A	SYSTEM LOC Z	DR CKT TYPE	CLS CODE	TOTAL CHAN	TOTAL WRKG	TOTAL SPARE
CBK9KA8	198	T1	ALNAPAACW99	ALNAPAAL	ASXI1	1V	24	21	3
CBK9KM9	199	T1	ALNAPAACW99	ALNAPAAL	ASXI1	1V	24	23	1
CBJ9AP3	216	T1	ALNAPAACW99	ALNAPAAL	ASXI1	E4	24	24	0
CBJ9NT6	227	T1	ALNAPAACW99	ALNAPAAL	ASXI1	E4	24	19	5
CBJ9NT9	228	T1	ALNAPAACW99	ALNAPAAL	ASXI1	1V	24	21	3
CBJ9NT8	230	T1	ALNAPAACW99	ALNAPAAL	ASXI1	1V	24	22	2
CBJ9NU4	232	T1	ALNAPAACW99	ALNAPAAL	ASXI1	E4	24	21	3
CBJ9NU5	234	T1	ALNAPAACW99	ALNAPAAL	ASXI1	1V	24	21	3
CBJ9NU6	235	T1	ALNAPAACW99	ALNAPAAL	ASXI1	E4	24	24	0
CBJ9NU9	237	T1	ALNAPAACW99	ALNAPAAL	A XI1	E4	24	13	11
CBJ9YF4	240	T1	ALNAPAACW99	ALNAPAAL	ASXI1	E4	24	18	6
CBJ9ZZ9	241	T1	ALNAPAACW99	ALNAPAAL	ASXI1	1V	24	23	1
CBJ9XC4	243	T1	ALNAPAACW99	ALNAPAAL	ASXI1	E4	24	16	8
CBK9KB7	244	T1	ALNAPAACW99	ALNAPAAL	ASXI1	E4	24	11	13
CBJ9XA8	246	T1	ALNAPAACW99	ALNAPAAL	ASXI1	E4	24	19	5
CBJ9XC5	247	T1	ALNAPAACW99	ALNAPAAL	ASXI1	E4	24	16	8
CBK9NR4	248	T1	ALNAPAACW99	ALNAPAAL	ASXI1	1V	24	21	3
CBK9TW9	251	T1	ALNAPAACW99	ALNAPAAL	ASXI1	1V	24	22	2
CBL9SF5	254	T1	ALNAPAACW99	ALNAPAAL	ASXI1	E4	24	0	24
CBP9AL5	255	T1	ALNAPAACW99	ALNAPAAL	ASXI1	E4	24	20	4
CBP9AX6	256	T1	ALNAPAACW99	ALNAPAAL	ASXI1	1V	24	22	2
CBW9NV4	107	T3Z	ALNAPAACW99	ALNAPAAL	ASXI4	U7	28	18	10
CBV9BZ7	101	T1	ALNAPAACW99	ALNAPAALK02	ASXI1	1V	24	20	4
CBQ9AN5	191	T1	ALNAPAACW99	ALNAPAALK02	ASXI1	E4	24	10	14
CBP9XL4	201	T1	ALNAPAACW99	ALNAPAALK02	ASXI1	E4	24	20	4
CBP9ZS4	202	T1	ALNAPAACW99	ALNAPAALK02	ASXI1	1V	24	23	1
CBW9XP5	331	T1	ALNAPAACW99	ALNAPAALK02	ASXI1	1V	24	7	17
CBP9QE2	128	T1	ALNAPAACW99	BDFRPAXB	ASXI1	E4	24	0	24
CBP9VM8	129	T1	ALNAPAACW99	BDFRPAXB	ASXI1	E4	24	0	24
CBK9UL4	101	T1	ALNAPAACW99	BKVLPAXB	ASXI1	E4	24	0	24
CBH9JS5	101	T1	ALNAPAACW99	BLLFPABE	ASXI1	E4	24	23	1
CBN9RY3	103	T1	ALNAPAACW99	BLLFPABE	A XI1	E4	24	3	21
CBM9ZF4	104	T1	ALNAPAACW99	BLLFPABE	ASXI1	E4	24	21	3
CBK9KB9	107	T1	ALNAPAACW99	BRBOPABA	ASXI1	E4	24	1	23
CBH9JX6	101	T1	ALNAPAACW99	BRFRPABR	ASXI1	E4	24	20	4
CBK9KB6	102	T1	ALNAPAACW99	BRFRPABR	ASXI1	E4	24	20	4
CBK9JP6	103	T1	ALNAPAACW99	BRFRPABR	ASXI1	E4	24	22	2
CBK9JP2	104	T1	ALNAPAACW99	BRFRPABR	ASXI1	E4	24	17	7

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Figure 731-8. Channelized HICAP by Location Report: TS-IC28

731.4.6 HICAP Carrier Systems with No Matching Circuit ID: TS-IC29

This report lists systems whose circuit identification was not found in the circuit details file but exists for a working carrier system.

These are the same systems that were identified in the TS-IC28 report with UNKNOWN as the CAC. The complete system identification is the only data column on this report.

```
                                  * * * * D R P - T D I S * * * *

COMPANY: BELLCORE RELEASE TESTING   ( PA )                                  RUN FOLDER: YDTS7310
REPORT: TS-IC29                                                             PROGRAM: YDTS731     R-5.0
CONTROL DATE: 07/01/91                                                      RUN DATE:  11/20/92  09:28:04
                                                                            PAGE:         1

                                     HI-CAP CXR SYSTEMS WITH NO MATCHING CKT ID
                                     CIRCUIT ID NOT FOUND IN CIRCUIT DETAILS FILE
                                  ------------------------------------------------
                                  AMBLPAAM    PHLAPASLW99170       T1
                                  CNSHPACN    PHLAPALUW77108       T1
                                  DOVRDEDVK01WLMGDE01W99112        T1
                                  HRBGPAHA    HRBGPAHAW99561       T1
                                  HRHMPADRW99HTBOPAHB   103        T1
                                  JENKPAJK    PHLAPASDW99105       T1
                                  MLCRDEDC    WLMGDEWLW99168       T1
                                  MLCRDEDC    WLMGDE01W99113       T1
                                  MSTNDEMA    WLMGDE01W99121       T1
                                  NWLSPANW    PHLAPASLW98104       T1
                                  PHLAPADE    PHLAPASLW98123       T1
                                  PHLAPADE    PHLAPASLW98124       T1
                                  PHLAPADE    PHLAPASLW98126       T1
                                  PHLAPAJE    PHLAPASW98136        T1
                                  ?HLAPAJE    PHLAPASLW98140       T1
                                  ?HLAPAJE    PHLAPASLW98141       T1
                                  ?HLAPALO    PHLAPALUW68254       T1
                                  ?HLAPALO    PHLAPASDW99136       T1
                                  ?HLAPALO    PHLAPASLW98236       T1
                                  ?HLAPALO    PHLAPASLW98110       T3
                                  ?HLAPALOK01PHLAPAMTW99107        T1
                                  ?HLAPALOK01PHLAPASDW99105        T1
                                  ?HLAPALOK01PHLAPASDW99137        T1
                                  ?HLAPALOK01PHLAPASDW99138        T1
                                  ?HLAPAMK    PHLAPASLW983332      T1
                                  ?HLAPAMK    PHLAPASLW983339      T1
                                  ?HLAPAMK    PHLAPASLW983399      T1
                                  ?HLAPAMKF07PHLAPAMKW98150        T1
                                  ?HLAPAMY    PHLAPASLW98115       T1
                                  ?HLAPAPE    PHLAPAPTW95101       T1
                                  ?HLAPAPE    PHLAPASLW98140       T1
                                  ?HLAPAPE    PHLAPASLW98154       T1
                                  ?HLAPAPE    PHLAPASVW99101       T1
                                  ?HLAPAPI    PHLAPASLW98105       T1
                                  ?HLAPASLW99TULYPATU   124        T1
                                  PITBPADGW80UNTNPAUN   120        T1


                                      * * * * * *  END OF REPORT  * * * * * *
                                                   PROPRIETARY
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```

Figure 731-9. HICAP Carrier Systems with No Matching Circuit ID: TS-IC29

731.4.7 Audit Report: TS-EDP

This audit report summarizes the input and output activity of the YDTS731 process.

The first page of the report provides an ‘‘image’’ of the input control card(s) used to initiate the process and any error messages. The following error messages may be encountered. If error messages appear, call Bellcore.

5A - Indicated Field Is Invalid - The data in question will be underlined to assist the user in initiating necessary corrections.

5B - Required Field Missing - The input card is lacking data necessary to initiate the process. A corrected input card is required to restart the process.

5M - Duplicate Transaction Not Allowed - This may indicate that the same DR Area was entered twice. A corrected input card is necessary to restart the process.

5N - Maximum Number of Cards Exceeded (Max 1) - This may indicate that more than one cards was listed.

The last page of the audit report will reflect the following information:

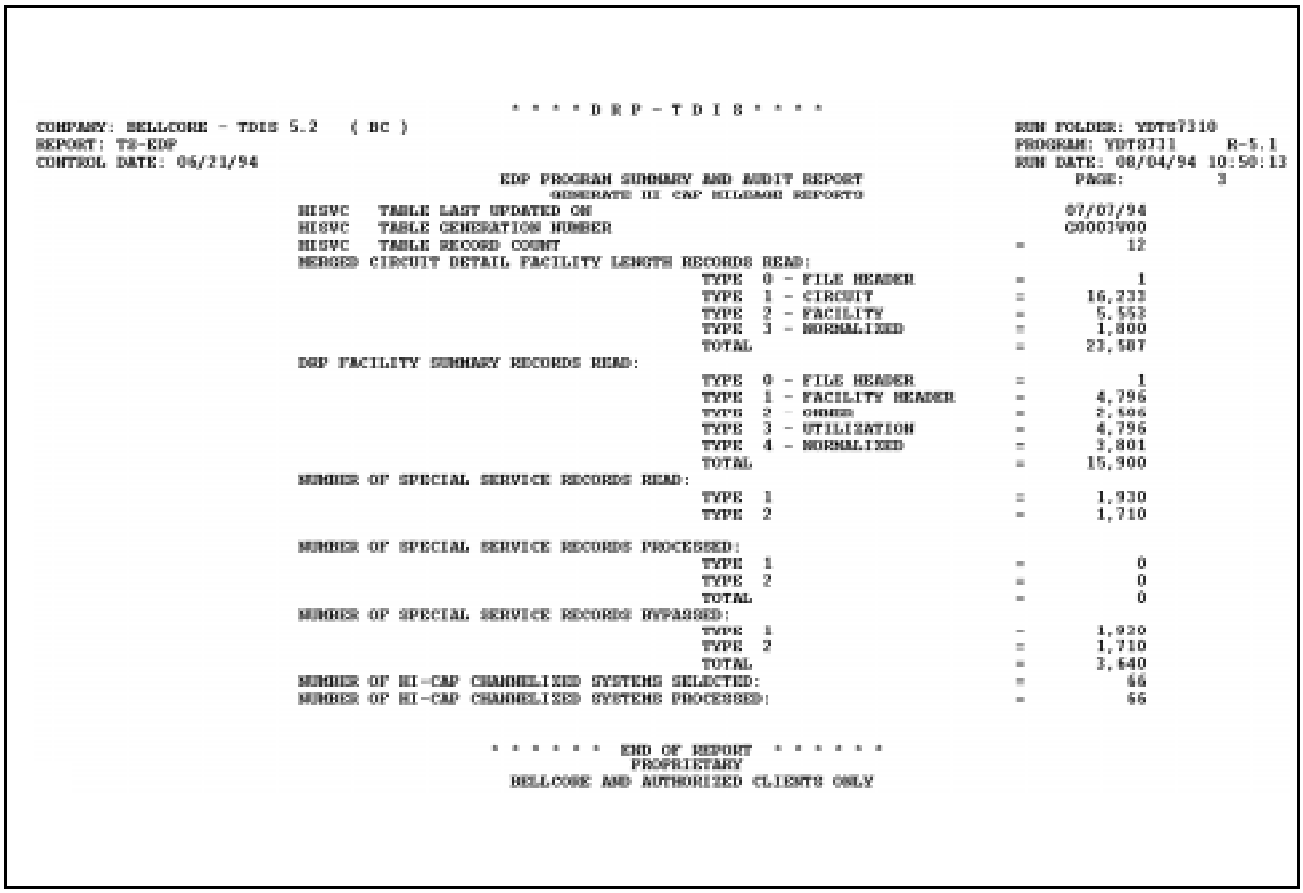
- **HISVC Table Last Updated On**
  This should be the date this version of the HISVC table was last updated via the TDIS On-Line Table Update Facility.
- **HISVC Table Generation Number**
  This is the specific version of the current HISVC table used for this execution of YDTS731.
- **HISVC Table Record Count**
  This should be the number of table records in the current HISVC table.
- **Merged Circuit Detail Facility Length Records Read, by type and total**
- **Number of Special Service Records Read, by type and total**
  These values should correspond with the records written, as reflected on the EDP Reports for the YDTS300 process.
- **Number of Special Service Records Processed, by type and total**
- **Number of Special Service Records Bypassed, by type and total**
- **Number of HICAP Channelized Systems Selected**
- **Number of HICAP Channelized Systems Processed**
  These values will depend on the selection criterion specified on the control card.

```
                                          * * * * D R P - T D I S * * * *
COMPANY: REL 51 TEST CB NES   ( CB )                                                    RUN FOLDER: YDTS731
REPORT: TS-EDP                                                                          PROGRAM: YDTS731     R-5.1
CONTROL DATE: 10/04/93                                                                  RUN DATE:  10/25/93  18:58:23
                                        EDP PROGRAM SUMMARY AND AUDIT REPORT            PAGE:         2
                                             GENERATE HI-CAP MILEAGE REPORTS
                                               HC CARD VALIDATION REPORT
                                  1         2         3         4         5         6         7              ERROR
              CARD COLUMNS   12345678901234567890123456789012345678901234567890123456789012345678901234567890              MESSAGES
                  O
              7310 P DR   DR   DR   DR   DR   DR   DR   DR   DR   DR   DR   DR
               ID  T AREA AREA AREA AREA AREA AREA AREA AREA AREA AREA AREA AREA
              ---- - ---- ---- ---- ---- ---- ---- ---- ---- ---- ---- ---- ----
              7310 N CH   CK


   MESSAGE CODES:
       5A - INDICATED FIELD IS INVALID
       5B - REQUIRED FIELD IS MISSING
       5M - DUPLICATE TRANSACTION NOT ALLOWED
       5N - MAXIMUM NUMBER OF CARDS EXCEEDED (MAX 1)


                                                  PROPRIETARY
                                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 731-10. Audit Report for YDTS731: TS-EDP (Page 1) - Generate HICAP Mileage Reports and the Channelized HICAP File



```
                                    * * * *  D R P - T D I S  * * * *

COMPANY: BELLCORE - TDIS 5.2   ( BC )                                   RUN FOLDER: YDTS7310
REPORT: TS-EDP                                                          PROGRAM: YDTS731      R-5.1
CONTROL DATE: 06/21/94                                                  RUN DATE: 08/04/94 10:50:13
                                   EDP PROGRAM SUMMARY AND AUDIT REPORT       PAGE:          3
                                        (GENERATE HI CAP MILEAGE REPORTS)

HISVC   TABLE LAST UPDATED ON                                                    07/07/94
HISVC   TABLE GENERATION NUMBER                                                  G0003900
HISVC   TABLE RECORD COUNT                                                =          12
MERGED CIRCUIT DETAIL FACILITY LENGTH RECORDS READ:
                                                TYPE  0 - FILE HEADER     =           1
                                                TYPE  1 - CIRCUIT         =      16,233
                                                TYPE  2 - FACILITY        =       5,553
                                                TYPE  3 - NORMALIZED      =       1,800
                                                TOTAL                     =      23,587
DRP FACILITY SUMMARY RECORDS READ:
                                                TYPE  0 - FILE HEADER     =           1
                                                TYPE  1 - FACILITY HEADER =       4,796
                                                TYPE  2 - OMRS            =       2,586
                                                TYPE  3 - UTILIZATION     =       4,796
                                                TYPE  4 - NORMALIZED      =       3,801
                                                TOTAL                     =      15,980
NUMBER OF SPECIAL SERVICE RECORDS READ:
                                                TYPE  1                   =       1,930
                                                TYPE  2                   =       1,710

NUMBER OF SPECIAL SERVICE RECORDS PROCESSED:
                                                TYPE  1                   =           0
                                                TYPE  2                   =           0
                                                TOTAL                     =           0
NUMBER OF SPECIAL SERVICE RECORDS BYPASSED:
                                                TYPE  1                   =       1,930
                                                TYPE  2                   =       1,710
                                                TOTAL                     =       3,640
NUMBER OF HI-CAP CHANNELIZED SYSTEMS SELECTED:                            =          66
NUMBER OF HI-CAP CHANNELIZED SYSTEMS PROCESSED:                           =          66


                                    * * * * * *  END OF REPORT  * * * * * *
                                              PROPRIETARY
                                    BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 731-11. Audit Report for YDTS731: TS-EDP (Page 3) - Generate HICAP Mileage Reports and the Channelized HICAP File

731.5 Abnormal Termination

The following conditions will result in termination of the process:

Condition Code 2007 - No Header Record Found For Filename

This condition code may result from improper sort of data, the program not starting at the first tape, the prior program not completing correctly, or other processing malfunctions.

Condition Code 2009 - Invalid Header Record

This condition code may indicate that there is a mismatch on the CPU ID between the input card and the data being accessed, the control data does not match the header record, or the header record date is outside the range dictated by the TDIS logic.

Condition Code 2012 - Illegal Condition Code returned from the PL/I sort routine.

This condition code indicates that the value input on the transmittal did not appear on the internal table of valid DBOs. Correct the transmittal and resubmit.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE

The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

Condition Code 2043 - Input Requests Missing or Invalid, Processing Terminated

This condition code occurs when any update is invalid or when no updates were supplied.

750. YDTS750 - Generate Circuit Components Data Integrity Report

750.1 General Description

This procedure generates various Data Integrity Reports to assist the user in verifying and/or purifying the TIRKS database. The process uses the data contained in the Merged Circuit Details Facility Length File (MCDFACID) from the YDTS500 process and the Merged Equipment Details File (MEQPDTLS) from the YDTS500 process.

Within this procedure, a temporary work file (CDINTRF) is used to generate the TS-IC02 Circuit Components Data Integrity Report. This file is later discarded within the YDTS750 process, but an audit report is generated and provided as an output of the process.

The YDTS750 is capable of extracting detailed information associated with certain Type 1, 2, and 4 errors that were detected and flagged during the various extract, create, and merge procedures described in previous sections.

750.2 Program Flow Diagram

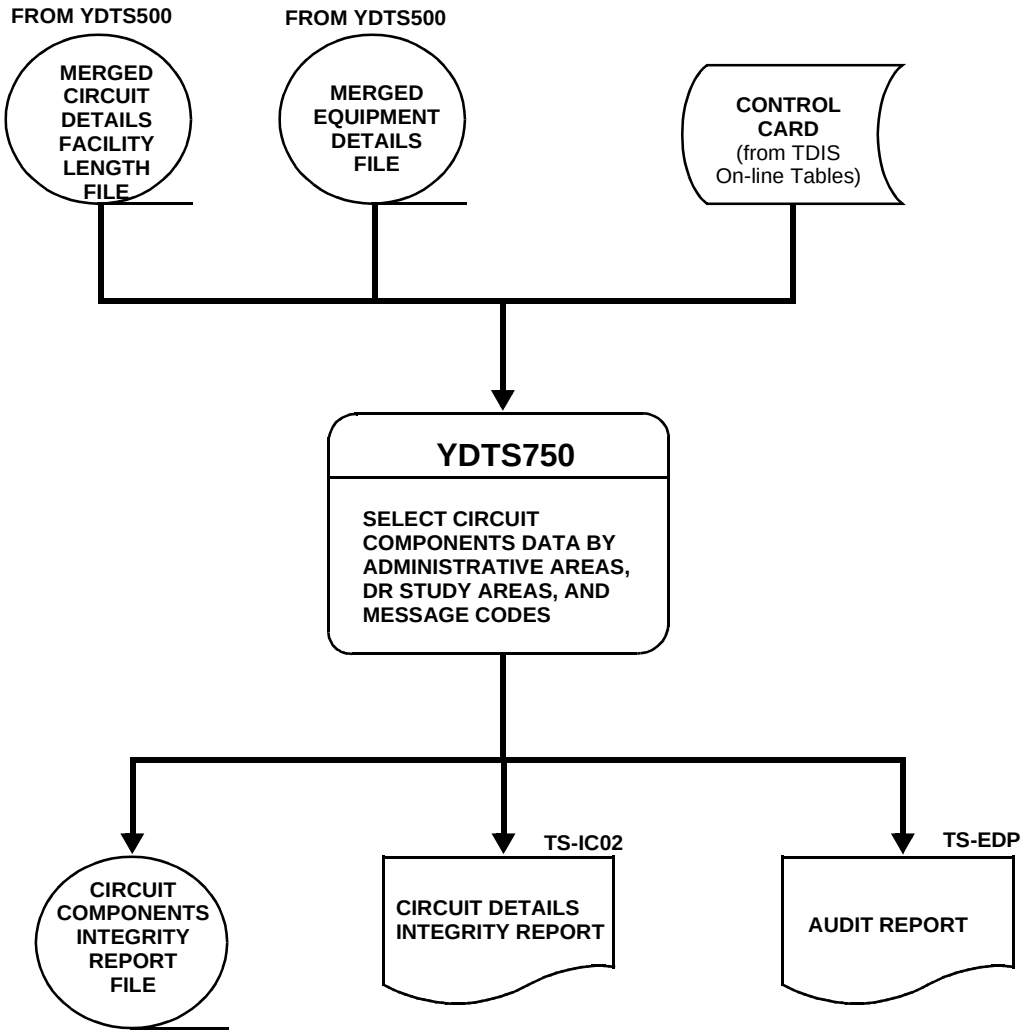


Figure 750-1. YDTS750 Program Flow Diagram

750.3 Inputs

750.3.1 Transmittal to Request the Run

1. RUN DATE - Specify the date this report is to be generated.
2. RUN SEQUENCE REQUIREMENTS - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B contains job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of the person(s) to whom the completed report is to be delivered.

> **NOTE —** Maintenance of the control card for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL).

750.4 Outputs

750.4.1 Circuit Details Integrity Report: TS-IC02

The header of this report will contain the following information:

- In the upper left-hand corner: company name, report name, and control date.
- In the upper right-hand corner: the run folder, program name/current TDIS release number, and actual run date. The TDIS release number will indicate when this process was last revised.

Refer to the current SRD to validate this is the latest release number.

The DR Study Area field will contain information based on the following:

- The specific DR Study Area input on the control card.
- The word ‘‘ALL’’ if asterisks were input as the DR Study Area on the control card.
- The word ‘‘UNDETERMINED’’ if the report is associated with circuits without facilities. In this situation, Positions 5 and 6 of Location A and Location Z of the circuit are used as the DR Study Area. If both locations are not present, the circuit component data will be written to the ‘‘UNDETERMINED’’ report. If only one location is present and a match is found for the requested DR Study Area in the 5th and 6th characters of the location CLLI (or ‘‘ALL’’ DR Study Areas are requested), the Circuit Component data will appear on both the ‘‘UNDETERMINED’’ report and the report for the individual DR Study Area.

- The report title will always be ‘‘Circuit Details Integrity Report’’. The next entry under the title will reflect the specific Message Code for this section of the report.

The content and format of the report(s) will be determined by the message code(s) requested. The following describes the maximum column headings that may be encountered:

C LINES ASSOCIATED WITH CIRCUIT IDs

- CKT FRMT - This field will reflect Circuit Format information as follows:
  - — 1 or M - Message Trunks
  - — 2 or T - Special Service Circuits in Telephone Number Format
  - — 3 or S - Special Service Circuits in Serial Number Format
  - — 4 or C - Carrier Systems
  - — H or L - Span Group or Span Line are also valid but will not appear in TDIS data.
- CIRCUIT IDENTIFICATION - (CKT ID) - The complete circuit description as defined by COMMON LANGUAGE standards. BR 756-551-590 provides a complete description of the data fields.
- CAC - The CAC is a TIRKS-generated code used to identify a Special Service Circuit, a Carrier System, or an individual message trunk within a group.
- CKT STAT - This data indicates if the circuit is working or non-working.
- DRCKT TYPE - The five-character code assigned for separations purposes, either manually or mechanically. BR 756-551-001 contains general details regarding generation of these codes.
- SPEC SERV LOCATION A - This field will reflect the originating location of the circuit that was input on the CD screen when the circuit was being designed/created in TIRKS.
- SPEC SERV LOCATION Z - This field will reflect the terminating location of the circuit that was input on the CD screen when the circuit was being designed/created in TIRKS.
- CPU ID -This field identifies the processor the data came from. This value is defined by each company. Appendix A contains valid entries.
- MESSAGE CODE - The error or warning code that was generated for this circuit in the YDTS300 process.

NOTE — If any OPEN ENDED circuit is encountered, a second circuit line (C LINE) will be printed with just the two fields listed below aligned under the headings for special service location A and Z. The second (C LINE) will only appear on the “2F”, “2I”, and “2O” reports.

- **LOCATION A2** - Indicates the secondary originating office/location of any OPEN ENDED CIRCUIT.
- **LOCATION Z2** - Indicates the secondary terminating office/location of any OPEN ENDED CIRCUIT.

F LINES ASSOCIATED WITH FACILITY INFORMATION

- CXE IND - The Carrier Indicator field consists of a single character to designate the type of facility assigned to the circuit. Valid entries are ‘‘C’’ for Cable or ‘‘X’’ for Carrier System.
- FACILITY IDENTIFICATION
  - — TERMINAL LOCATION A - (TERM A) - The originating location of the carrier system or cable complement to which the circuit is assigned. This will always be the low alphanumeric location based on the first eight characters of the CLLI.
  - — TERMINAL LOCATION Z - (TERM Z) - The terminating location of the carrier system or cable complement to which the circuit is assigned. This will always be the high alphanumeric location based on the first eight characters of the CLLI.
  - — CABLE/FAC DES - This field will contain the cable or carrier number from the TIRKS header record.
  - — LAST PAIR/FAC GROUP - (LAST UNIT/FAC TYPE) - The last pair in the cable complement or the Facility Type data as populated on the header record in the TIRKS database.
- UNIT # - (CHAN/UNIT) - The carrier channel or cable pair number of the facility assigned to the specific circuit.
- ASGT SUBD - (SUBDIVISION) - An assignable portion of a cable pair, either full pair, tip, or ring.
- DR GRP CODE - (DR GROUP) - This is a one-character separations code that defines the jurisdictional and/or physical location of the facility. This field resides on the TIRKS header record for cable or carrier.

- DR CLS CODE - (DR CLASS) - This field reflects the DR Class Code as it appears in the TIRKS database at the unit level. This field will be blank if the internal TIRKS logic could not generate a class code based on the DRDD Table matrix.
- UPD DR CLS CODE
- OWN ST - (OWNER) - A telephone company code identifying ownership of a cable complement or carrier system.
- DIV ADM - This value is either obtained from the ‘‘0.0’’ line in the ownership section of the TIRKS facility header record or from internal TDIS logic (as described in Appendix C).
- SEQUENCE CODE - This is an alphanumeric code indicating placement of the facility within the transmission path of the circuit.
- MESSAGE CODES - This field will indicate any error codes, other than the requested code, that were encountered during the various TDIS create processes.
- MW IND (MW) - This field will be populated when more than a single cable pair or carrier channel is required to design the circuit. Valid entries may be obtained from the TIRKS Format/Field Directory. Discrepancies associated with data in this field are ‘‘flagged’’ with a message code of 2D during the TDIS YDTS300 process.
- SEQUENCE CODE - This value is generated in the YDTS300 process, which creates the ‘‘image’’ of the circuit from Location A to Location Z. Sequence codes are assigned in numerical order from Location A to Z in ascending negative numerical order from Location Z to Location A when there is a break in the transmission patch.

E LINES ASSOCIATED WITH EQUIPMENT

- EQUIPMENT LOCATION -
  - — LOCATION - The COMMON LANGUAGE location code of the office where the equipment is physically located.
  - — HECI - (EQUIP CODE) - The HECI number as it was extracted from TIRKS.
  - — RELAY RACK - A numeric code used to designate a specific equipment location within a particular office.
- CAC - Same as previous definition.
- UNIT # (UNIT) - The individual mounting or slot location within the relay rack.
- ASG SUBD - (SUBDIVISION) - An assignable portion of an equipment unit.
- UNIT TYPE (TY) - A one-character code denoting if the equipment is Mounting (M), Single Unit (S), or Plug-In (P).
- PLACEMENT CODE - An alphanumeric indicator reflecting the location of the equipment within the transmission path of the circuit. This indicates which facility DR Group Code will be used to determine the DR Class Code for this equipment.
- MESSAGE CODES - Same as previous definition.
- ECN - ECN extracted from TIRKS.
- DRP ECN - The ECN that was determined by the logic contained in the YDTS240 process when the data was not available from TIRKS.
- TDIS DR CL CODE - The class code that was assigned to the equipment during the YDTS500 process.
- DRP EQUIP CLASS (DR CLASS) - This field will contain a one-character code that was developed during the YDTS240 process. Values of ‘‘1’’ for Interexchange or ‘‘2’’ for Exchange are based on the Equipment Classification table from the on-line tables

The last page of the TS-IC02 report will contain the processing summary. This summary may be used to validate the report data as follows:

- Total DRP Circuit Processed should equal the circuit count from the YDTS300 report.
- Total DRP Circuit with One/More Type 1/2/4 Discrepancies and Total.

Type 1, Type 2, and Type 4 discrepancies should equal the total of these discrepancies reflected on the various create EDP reports. The Data Discrepancy Counts for Requested SA (Study Area) reflects the total discrepancies by error message within the Study Area(s)

requested. The total discrepancies, by error message type, for the entire file are also reflected. Appendix J lists the program number associated with each error message.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                               RUN FOLDER: YDTS7500
REPORT: TS-IC02                                                                                   PROGRAM: YDTS751     R-5.0
CONTROL DATE: 10/15/92                                                                            RUN DATE:  12/16/92  07:20:32
DR STUDY AREA: UNDETERMINED                         CIRCUIT DETAILS INTEGRITY REPORT              PAGE:         5
ADMIN AREA: ALL
                                                           MESSAGE CODE 2B
```

CKT FORMAT	CIRCUIT IDENTIFICATION	CAC	CPU ID	SPECIAL SERVICE LOCATION A	SPECIAL SERVICE LOCATION Z	MESSAGE CODES
S	/ /*SMM4DA8 / /	SMM4DA8	BC			2B 2F 2K
S	/ /*SMM4DN9 / /	SMM4DN9	BC			2B 2F 2K
S	/ /*SMM4EB9 / /	SMM4EB9	BC			2B 2F 2K
2	/ /201/023/3987/ /	SMM2PP6	BC			2B 2F 2K
2	/ /201/564/3333/ /	SMM2VE2	BC			2B 2F 2K
2	/ /201/564/5445/ /	SMM3ZQ5	BC	STLSMO01		2B 2F 2K
2	/ /201/564/7106/ /	SMM2SN5	BC			2B 2F 2K
2	/ /201/564/7107/ /	SMM2SN6	BC			2B 2F 2K
2	/ /201/564/7170/ /	SMM2YG4	BC	STLSMO04		2B 2F 2K
2	/ /212/023/5757/ /	SMM2PJ4	BC			2B 2F 2K
2	/ /314/241/3333/ /	SMM2NU3	BC			2B 2F 2K
2	/ /314/247/3280/ /	SMM2NM8	BC		STLSMO051CD	2B 2F 2K
2	/ /314/247/9999/ /	SMM2NF3	BC			2B 2F 2K
2	/ /314/434/3030/ /	SMM4CH2	BC			2B 2F 2K
2	/ /314/946/7776/ /	SMM2MU3	BC			2B 2F 2K
2	/ /618/392/6661/ /	SMM2PB4	BC			2B 2F 2K
2	/ /999/111/3732/ /	SMM2PH3	BC			
T	/CLNT/314/261/4000/ 269/	SAB4EG5	BC			
T	/CLNT/314/851/1731/ 111/	SAB4EG6	BC			
T	/CLNT/314/982/1715/ 129/	SAB4EG7	BC			
T	/FLNC/314/247/4888/ /	SAB4EG8	BC			
T	/FLNT/314/936/4125/ /	SAB4EG9	BC			

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Figure 750-2. Circuit Component Data Integrity Report (Message Code 2B): TS-IC02

```
                                        * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                                 RUN FOLDER: YDTS7500
REPORT: TS-IC02                                                                                     PROGRAM: YDTS751      R-5.0
CONTROL DATE: 10/15/92                                                                              RUN DATE:  12/16/92  07:20:32
DR STUDY AREA: MO**                     CIRCUIT DETAILS INTEGRITY REPORT                            PAGE:       102
ADMIN AREA: ALL
                                              MESSAGE CODE 1C
         CKT                                                            CPU              DR CKT      MESSAGE
      C  FRMT   CIRCUIT IDENTIFICATION                         CAC      ID               TYPE        CODES
         ----   ---------------------------------------------  -------- ---              ------   --------------
                     FACILITY IDENTIFICATION
         CXE    TERMINAL    TERMINAL    CABLE #/  LAST PAIR/                CPU              DR GRP      MESSAGE
      F  IND    LOCATION A  LOCATION Z  FAC DES   FAC GROUP        UNIT #   ID   ASG SUB    CODE        CODES
         ---    ---------------------------------------------  ------   ---  -------    ------   --------------

      C  1      T055/DF44IT       /ALTNILAL06T/M-/STLSMO0924T  MMM3PN3  BC                           2I 2K
      F  C      STLSMO01    STLSMO02    REUSE     00010        00001    BC   10                      1C

      C  1      T100/DF44IT       /ALTNILAL06T/M-/STLSMO0924T  MMM3TE6  BC                           2I 2K
      F  C      STLSMO01    STLSMO02    REUSE     00010        00003    BC   10                      1C

      C  1      T110/DF44IT       /ALTNILAL06T/M-/STLSMO0924T  MMM3YV4  BC                           2I 2K
      F  C      STLSMO01    STLSMO02    REUSE     00010        00007    BC   10                      1C

      C  1      T120/DF44IT       /ALTNILAL06T/M-/STLSMO0924T  MMM3ZM9  BC                           2I 2K
      F  C      STLSMO01    STLSMO02    KRCEV     00004        00001    BC   10                      1C
      F  C      STLSMO01    STLSMO02    KRCEV     00004        00002    BC   10                      1C

      C  1      0201/DF55IE       /BLDLMOHU483/--/STLSMO051IB  MMM2UJ6  BC                           2I 2K
      F  C      STLSMO20    STLSMO21    901       00030        00001    BC   10                      1C

      C  1      0201/DF55IE       /BLDLMOHU483/-D/STLSMO051IB  MMM2UP6  BC                           2I 2K
      F  C      STLSMO20    STLSMO21    902       00030        00001    BC   10                      1C

      C  1      0202/DF55IE       /BLDLMOHU483/-D/STLSMO051IB  MMM2UP7  BC                           2I 2K
      F  C      STLSMO20    STLSMO21    902       00030        00002    BC   10                      1C

      C  1      0203/DF55IE       /BLDLMOHU483/-D/STLSMO051IB  MMM2UP8  BC                           2I 2K
      F  C      STLSMO20    STLSMO21    902       00030        00003    BC   10                      1C

      C  1      0301/DF55IE       /BLDLMOHU483/-D/STLSMO051IB  MMM2UP9  BC                           2I 2K
      F  X      STLSMO20    STLSMO21    902       N1           00001    BC                           1C

      C  1      0302/DF55IE       /BLDLMOHU483/-D/STLSMO051IB  MMM2UO2  BC                           2I 2K
      F  X      STLSMO20    STLSMO21    902       N1           00002    BC                           1C

      C  1      0303/DF55IE       /BLDLMOHU483/-D/STLSMO051IB  MMM2UQ3  BC                           2I 2K
      F  X      STLSMO20    STLSMO21    902       N1           00003    BC                           1C

      C  1      0201/DF55IE       /BLDLMOHU483/D-/STLSMO051IB  MMM2UU4  BC                           2I 2K
      F  C      STLSMO20    STLSMO21    903       00030        00001    BC   10                      1C

      C  1      0202/DF55IE       /BLDLMOHU483/D-/STLSMO051IB  MMM2UU5  BC                           2I 2K
      F  C      STLSMO20    STLSMO21    903       00030        00002    BC   10                      1C
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```

Figure 750-3. Circuit Component Data Integrity Report (Message Code 1C): TS-IC02

```
                                               * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                                                      RUN FOLDER: YDTS7500
REPORT: TS-IC02                                                                                          PROGRAM: YDTS751     R-5.0
CONTROL DATE: 10/15/92                                                                                   RUN DATE:  12/16/92  07:20:32
DR STUDY AREA: MO**                            CIRCUIT DETAILS INTEGRITY REPORT                          PAGE:        132
ADMIN AREA: ALL
                                                         MESSAGE CODE 1D
   CKT                                                          CPU  DR CKT    SPECIAL SERVICE     SPECIAL SERVICE       MESSAGE
C  FRMT  CIRCUIT IDENTIFICATION                             CAC     ID    TYPE      LOCATION A          LOCATION Z          CODES
   ----  ---------------------------------------------  -------    ---  ------    ---------------     ---------------    --------------
         FACILITY IDENTIFICATION
   CXE   TERMINAL    TERMINAL    CABLE#/   LAST PAIR/               CPU            DR GRP   DR CLASS  SEQUENCE             MESSAGE
F  IND   LOCATION A  LOCATION Z  FAC DES   FAC GROUP    UNIT #      ID   ASG SUB    CODE      CODE      CODE                 CODES
   ---   ---------------------------------------------  ------      ---  -------   ------   --------  --------           --------------
         EQUIPMENT IDENTIFICATION                                   CPU            EQUIP    DR CLASS  PLACEMENT            MESSAGE
E        LOCATION    HECI        RELAY RACK             UNIT #      ID   ASG SUB   CLASS      CODE      CODE                 CODES
         ----------------------------------             ------      ---  -------   -----    --------  ---------          --------------

C  C     FT001/T1    /PISCNJMTK01/STLSMO01              CMN4BZ2     BC   PLIT1                                             2K
E        PISCNJMTK01 T1MA100ARA  0102.01                     6                      1        QQ        LOCA                 1D
E        STLSMO01    D4CB015BRA  0110.01                     1                      1        QQ        LOCZ                 1D

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Figure 750-4. Circuit Component Data Integrity Report (Message Code 1D): TS-IC02

```
                                             * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST    ( BC )                                                                   RUN FOLDER: YDTS7500
REPORT: TS-IC02                                                                                        PROGRAM: YDTS751      R-5.0
CONTROL DATE: 10/15/92                                                                                 RUN DATE:  12/16/92  07:20:32
DR STUDY AREA: MO**                          CIRCUIT DETAILS INTEGRITY REPORT                          PAGE:        141
ADMIN AREA: ALL
                                                     MESSAGE CODE 2D
             CKT                                                                 CPU                                MESSAGE
          C  FRMT   CIRCUIT IDENTIFICATION                          CAC          ID                                 CODES
             ----   -------------------------------------------     --------     ---                            --------------
                       FACILITY IDENTIFICATION
             CXE    TERMINAL    TERMINAL    CABLE #/  LAST PAIR/                 CPU                                MESSAGE
          F  IND    LOCATION A  LOCATION Z  FAC DES   FAC GROUP     UNIT #       ID   ASG SUB    MW IND             CODES
             ---    -------------------------------------------     ------       ---  -------    ------         --------------

          C  T      01/PLNT/201/981/1111/    /                      SMN4EP5      BC                             2D 2K
          F  C      STLSMO01    WHHSNJT2    11101     00100         00001        BC   10                        1C
          F  C      STLSMO01    WHHSNJT2    11101     00100         00002        BC   10                        4E
          F  C      STLSMO01    WHHSNJT2    11101     00100         00003        BC   10                        1C
          F  C      STLSMO01    WHHSNJT2    11101     00100         00004        BC   10         4              1C
          F  C      STLSMO01    WHHSNJT2    11101     00100         00005        BC   10                        1C
          F  C      STLSMO01    WHHSNJT2    11101     00100         00006        BC   10                        1C
          F  C      STLSMO01    WHHSNJT2    11101     00100         00007        BC   10                        1C
          F  C      STLSMO01    WHHSNJT2    11101     00100         00051        BC   10                        1C
          F  C      STLSMO01    WHHSNJT2    11101     00100         00100        BC   10         4              4E



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Figure 750-5. Circuit Component Data Integrity Report (Message Code 2D): TS-IC02

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - SYSTEST 6.0 ENVIRONMENT   ( CB )                          RUN FOLDER: YDTS750
REPORT: TS-IC02                                                           PROGRAM: YDTS751     R-6.0
CONTROL DATE: 04/18/96                                                    RUN DATE:  04/22/96  16:27:23
DR STUDY AREA: ALL                          CIRCUIT DETAILS INTEGRITY REPORT   PAGE:       486

ADMIN AREA: ALL
                                                    MESSAGE CODE 2F
CKT                                              CIRCUIT      CIRCUIT                CPU         MESSAGE
FRMT            CIRCUIT IDENTIFICATION           LOCATION A   LOCATION Z   CAC       ID          CODES
---- ------------------------------------------  -----------  -----------  --------  ---         --------

T    01/FXNT/201/885/7024/3456 /                                            SMN4NW9   CB          2B 2F 2K

T    01/FXNT/312/699/1298/     /                 PISCNJMT     SMVLNJMT     SMP4AP2   CB          2F 2K

T    01/FXNT/908/359/3333/     /                                            SMP4AB9   CB          2B 2F 2K

T    01/FXNT/908/359/3334/     /                                            SMP4AC2   CB          2B 2F 2K

T    01/FXNT/908/699/2250/001  /                 PISCNJMT     SMVLNJMT     SMP4TV5   CB          2F 2K

T    01/FXNT/908/699/2250/2    /                 PISCNJMT     SMVLNJMT     SMP4TV6   CB          2F 2K

2    01/GF  /212/123/1234/00001/                 STLSMOF1     STLSMOF5     SMM4XL3   CB          2F 2K

2    01/GF  /212/123/1234/00002/                 STLSMOF1     STLSMOF5     SMM4XL4   CB          2F 2K

2    01/GF  /212/123/1234/00003/                 STLSMOF1     STLSMOF5     SMM4XL5   CB          2F 2K

S    01/HB  /100033 001/SW  /                                               SAB4EC6   CB          2B 2F 2K

S    01/HCDS/565786    /NJ  /                    WHHSNJT7     WHHSNJT8     SMP4TZ8   CB          2F 2K

S    01/HCDS/821065    /NJ  /                    WHHSNJT7     WHHSNJT8     SMP4XF2   CB          2F 2K

S    01/HCGS/13167  002/NJ  /                    WHHSNJ13     WHHSNJ20     SMQ4HN5   CB          2F 2K
                                                 WHHSNJ11     WHHSNJT1AMD

S    01/HCGS/13167  003/NJ  /                    WHHSNJ13     WHHSNJ20     SMQ4HN6   CB          2F 2K
                                                 WHHSNJ11     WHHSNJT1AMD

S    01/HCGS/780321 001/NJ  /                    WHHSNJT4AMD  WHHSNJ20     SMQ4HL5   CB          2F 2K
                                                 WHHSNJT3AMD  WHHSNJT1AMD

S    01/HCGS/780321 002/NJ  /                    WHHSNJT3AMD  WHHSNJ20     SMQ4HL6   CB          2F 2K
                                                 WHHSNJT4AMD

S    01/HCGS/780321 003/NJ  /                    WHHSNJ20     WHHSNJT3AMD  SMQ4HL7   CB          2F 2K
                                                              WHHSNJT4AMD

S    01/LCGS/434343    /NJ  /008                 PISCNJMTAMD  SMVLNJMT     SMP4BY6   CB          2F 2K

S    01/LGGS/561429    /NJ  /1                   GTASNJCS     GTASNJDM     SMP4TL9   CB          2F 2K

S    01/LGGS/561429    /NJ  /2                   GTASNJCS     PISCNJMT     SMP4TM6   CB          2F 2K


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Figure 750-6. Circuit Component Data Integrity Report (Message Code 2F): TS-IC02

```
                                                   * * * * D R P - T D I S * * * *
COMPANY: BASE - SYSTEST 6.0 ENVIRONMENT   ( CB )                                                       RUN FOLDER: YDTS750
REPORT: TS-IC02                                                                                        PROGRAM: YDTS751     R-6.0
CONTROL DATE: 04/18/96                                                                                 RUN DATE:  04/22/96  16:27:23
DR STUDY AREA: ALL                                 CIRCUIT DETAILS INTEGRITY REPORT                    PAGE:       538

ADMIN AREA: ALL
                                                             MESSAGE CODE 2I
       CKT                                                                 CPU                                         MESSAGE
    C  FRMT   CIRCUIT IDENTIFICATION                               CAC         ID         SS LOCATION A  SS LOCATION Z     CODES
       ----   ---------------------------------------------     --------    ---         -------------  -------------  --------------
       FACILITY IDENTIFICATION
       CXE    TERMINAL    TERMINAL    CABLE #/  LAST PAIR/                 CPU  ASGT   SEQUENCE                          MESSAGE
    F  IND    LOCATION A  LOCATION Z  FAC DES   FAC GROUP      UNIT #      ID   SUBD   CODE                              CODES
       ---    --------------------------------------------      ------      ---  ----   --------                        --------------

    C  T      01/AD  /201/885/0430/0014 /                      SMN4ZY6     CB          RSYNDCBBDS0    RSYNDCBFDS0     2I 2K
    F  X      RSYNDCBFDC5 RSYNDCBQDC5 1008       T1            00012       CB

    C  T      01/AD  /201/885/0430/0015 /                      SMN4ZY7     CB          RSYNDCBBDS0    RSYNDCBYDS0     2I 2K
    F  X      RSYNDCBFDC5 RSYNDCBQDC5 1008       T1            00014       CB            0

    C  S      01/FDDZ/098765    /NJ  /                         SMN4XH5     CB          ATCYNJKB       TRENNJKB        2I 2K
    F  X      ATCYNJKB    PISCNJKB    101        T1            00001       CB            1

    C  T      01/FLNT/301/981/2235/     /                      SMP4CG2     CB          SSWK1301       SSWK1303        2I 2K
    F  C      SSWK1301    SSWK1302    TK002      00020         00004       CB   10       1

    C  T      01/FLNT/301/981/5555/55   /                      SMN4HW7     CB          PISCNJMT       SMVLNJMT        2I 2K
    F  C      PISCNJMT    SMVLNJMT    CB001      00020         00014       CB   10       1
    F  C      PISCNJMT    SMVLNJMT    CB001      00020         00015       CB   10       1
    F  C      PISCNJMT    SMVLNJMT    CB001      00020         00016       CB   10       1
    F  X      PISCNJMT    SMVLNJMT    601AT      AT            00001       CB            1
    F  X      SMVLNJMT    WHHSNJT1    101ON      ONA           00001       CB            2
    F  X      SMVLNJMT    WHHSNJT1    101ON      ONA           00002       CB            2

    C  S      01/HCGS/619299 001/NJ  /                         SMQ4HN3     CB          WHHSNJT1AMD    WHHSNJT3AMD     2I 2K
                                                                                       WHHSNJ20       WHHSNJT4AMD
    F  X      WHHSNJT1AMD WHHSNJT5    115        T3            00004       CB            0
    F  X      WHHSNJT3AMD WHHSNJ13    9001       T3            00004       CB            0
    F  X      WHHSNJT4AMD WHHSNJ14    9001       T3            00004       CB            0

    C  T      01/PLNT/201/555/5656/SW   /                      SMM4VT2     CB                                         2B 2I 2K
    F  C      STLSMO01    STLSMO02    80A1       00010         00001       CB   10       0

    C  T      01/PLNT/201/752/2513/     /                      SMP4UP2     CB          PISCNJMT       SMVLNJMT        2I 2K
    F  C      PISCNJMT    SMVLNJMT    PREP1      00100         00009       CB   10       1
    F  X      PISCNJMT    SMVLNJMT    OP001      T1-80         00001       CB            1
    F  C      WHHSNJT1    WHHSNJT1    COCDL      00050         00003       CB   10       0

    C  T      01/PLNT/201/752/9562/     /                      SMP4XW4     CB          PISCNJMT       SMVLNJMT        2I 2K
    F  C      PISCNJMT    SMVLNJMT    PREP1      00100         00013       CB   10       1
    F  X      PISCNJMT    SMVLNJMT    X7795      T1            00001       CB            1
    F  C      WHHSNJT1    WHHSNJT1    COCDL      00050         00007       CB   10       0

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Figure 750-7. Circuit Component Data Integrity Report (Message Code 2I): TS-IC02

```
                              * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST   ( BC )                                       RUN FOLDER: YDTS7500
REPORT: TS-IC02                                                           PROGRAM: YDTS751     R-5.0
CONTROL DATE: 10/15/92                                                    RUN DATE:  12/16/92  07:20:32
DR STUDY AREA: MO**           CIRCUIT DETAILS INTEGRITY REPORT            PAGE:        328
ADMIN AREA: ALL
                                   MESSAGE CODE 2K
```

CKT FORMAT	CIRCUIT IDENTIFICATION	CAC	CPU ID	DR CKT TYPE	MESSAGE CODES
2	/ /201/564/5445/ /	SMM3ZQ5	BC		2B 2F 2K
2	/ /201/564/7170/ /	SMM2YG4	BC		2B 2F 2K
2	/ /201/564/888 /235 /	SMM3ZQ4	BC		2F 2K
2	/ /201/564/8888/234 /	SMM3ZQ3	BC	MI	2F 2K
2	/ /212/023/5555/ /	SMM2PJ3	BC	MSGIS	2F 2K
2	/ /314/241/2280/ /	SMM2MU2	BC		2F 2K
2	/ /314/247/3280/ /	SMM2NM8	BC		2B 2F 2K
2	/ /314/247/5012/ /	SMM2YN3	BC		2F 2K
S	/SLNT/800930 001/STLS/SW	SMN4FC6	BC	MSGIS	2F 2K
T	AB/PLNT/212/564/7637/ /	SMM4CT2	BC		2B 2F 2K
1	126/FG44IT /ALTNILAL01T/-M/STLSMO0521T	MAA3KT8	BC		2F 2K
1	998/FG44IT /ALTNILAL01T/-M/STLSMO0521T	MMM2NU4	BC		2F 2K
1	1234/FG44IT /ALTNILAL01T/-M/STLSMO0521T	MMM2NN9	BC		2F 2K
1	35/FG44IT /ALTNILAL01T/M-/STLSMO0521T	MAA2ZQ2	BC		2F 2K
1	1/HU41IT /ALTNILAL01T/MM/STLSMO0914T	MMM2XR9	BC		2F 2K
1	3/HU43IT /ALTNILAL01T/MM/STLSMO0924T	MAA2EW2	BC		2F 2K
1	25/HU43IT /ALTNILAL01T/MM/STLSMO0924T	MAA2WH4	BC		2F 2K
1	2/HU44IT /ALTNILAL06T/-A/STLSMO0101T	MMM2YD3	BC		2F 2K
1	138/HU44IT /ALTNILAL06T/-A/STLSMO0101T	MAA3LZ8	BC		2F 2K
1	A050/DF44IT /ALTNILAL06T/M-/STLSMO0924T	MMM3PE4	BC		2F 2K
1	TO44/DF44IT /ALTNILAL06T/M-/STLSMO0924T	MMM3PG9	BC		2F 2K
1	TO45/DF44IT /ALTNILAL06T/M-/STLSMO0924T	MMM3PH3	BC		2F 2K

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Figure 750-8. Circuit Component Data Integrity Report (Message Code 2K): TS-IC02

COMPANY: BELLCORE T/DIS RELEASE 4.0.2 (OB)
REPORT: TS-IC02
CONTROL DATE: 09/30/89
DR STUDY AREA: ALL
ADMIN AREA: ALL

CIRCUIT DETAILS INTEGRITY REPORT

RUN FOLDER: YDTS7500
PROGRAM: YDTS751 R-4.0.2
RUN DATE: 11/07/90 08:47:38
PAGE: 1,784

MESSAGE CODE 2N

LOCATION	EQUIPMENT IDENTIFICATION HECI	RELAY RACK	CAC	CPU ID	UNIT #	ASG SUB	UNIT TYPE	MESSAGE CODES
TOLDOH21	D5CM200ARA	01.0249.08	CEN4ZR4		03- 03		J	2N
TOLDOH21	D5CM200ARA	01.0249.08	CEN4ZR5		03- 04		J	2N
TOLDOH21	D5CM200ARA	01.0249.08	CEN4YH5		03- 01		J	2N 20
LRTPOH75	MTM2C45BRF	01*111.6	SMY4VY5		4	CKT1	M	2N 4N
TOLDOH21	D5CM200ARA	01.0249.08	CEN4YH6		03- 02		J	2N
CLEVOH42	MTM2C40BRD	01*107.01	SQT4GV8		58	CKT1	J	2N
SECLOH38	MTM1D31BRE	01*103.6	SPW4SW5		93	CKT1	M	2N
SOLNOH24DC0	E5MD100ARA	01SM.011	CES4VD3		0- 09		M	2N 40
TOLDOH72	MTM1D30BRI	00*0003.22	SQN4WC7		18	CKT1	J	2N
TFFNOH44	MTM2840BRC	02*204.14	SEQ4SN7		54	CKT1	M	2N 4N
TOLDOH53	MTM1D30BRI	01*0111.43	SAA7ES6		83	CKT1	J	2N
AKRNOH86	MTM2C45BRF	02*210.22	SQL4UA5		9	CKT1	M	2N 4N
CLMBOH11	MTM2C40BRD	01*160.14	SPM4CM8		58	CKT1	J	2N
CLMBOH86	MTM2C40BRD	01*140.33	SPS4AH5		49	CKT1	J	2N
LCKBOH49	MTM1P30ERA	01*121.08	SQL4CW2		30	CKT1	J	2N
DBLNOH89	MTM1D30BRA	01*0102.08	SQQ4QA7		65	CKT1	J	2N
DBLNOH89	MTM1D30BRA	01*0102.08	SAA8PT5		70	CKT1	J	2N
WEVLOH88	MTM1H30BRC	01*101.02	SQT4XB9		53	CKT1	J	2N
DYTNOH22	BRM0TN01RA	01*123.02	SQL4QG7		103	PTA	M	2N
DYTNOH22	BRM0TN01RA	01*123.02	SQM4DJ6		103	PTC	M	2N
CLMBOH27	DMM11C0DRA	00*012.01	CER4BH5		01- 03		M	2N
YNTWOH79	MTM2G45BRB	02*0232.00	SGN4XH7		53	CKT1	M	2N

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Figure 750-9. Circuit Component Data Integrity Report (Message Code 2N): TS-IC02

COMPANY: BELLCORE T/DIS RELEASE 4.0.2 (OB) RUN FOLDER: YDTS7500
REPORT: TS–IC02 PROGRAM: YDTS751 R–4.0.2
CONTROL DATE: 09/30/89 RUN DATE: 11/07/90 08:47:38
DR STUDY AREA: ALL CIRCUIT DETAILS INTEGRITY REPORT PAGE: 1,786
ADMIN AREA: ALL

MESSAGE CODE 4A

C	CKT FMT	CIRCUIT IDENTIFICATION	CAC	CPU ID		CKT STAT	DR CKT TYPE		
F	CXE IND	FACILITY IDENTIFICATION: TERMINAL LOCATION A / TERMINAL LOCATION Z / CABLE #/ FAC DES / LAST PAIR/ FAC GROUP	UNIT #	CPU ID	ASGT SUBD	DR GRP CODE	DR CLS CODE	UPD DR CLS CODE	MESSAGE CODES
C	3	/DD /4001 066/LL /1	SJL4WK7	OB		W	YFD11		
F	X	CLEVOH62F02 ELYROHXAF01 119 T1	0014	OB		I		DF	4A
C	3	/DD /4001 070/LL /H	SKP4QN3	OB		W	AFD12		
F	X	CLEVOH62 MYHGOH44 146 T1	0010	OB		I		SG	4A
C	3	/DD /4001 603/LL /A	SGE4QR9	OB		W	NFD13		
F	X	CLEVOH62 RKRVOH33 156 T1	0005	OB		E		SE	4A
C	3	/DMR /1502 /GTOH/	SFV4SW4	OB		W	ABA11		
F	X	DYTNOH15F02 SPFDOH32F02 125 T1	0020	OB		I		IG	4A
F	X	CTWBOHXAF01 SPFDOH32F02 102 T1	0024	OB		I		IG	4A
C	S	/FDEA/401734 /LL /5	SPB4RL4	OB		W	YFD11		
F	C	DYTNOH15 DYTNOH22 TT4 06700	06410	OB	10	T		45	4A
F	C	DYTNOH15 DYTNOH22 TT4 06700	06524						
C	S	/FDEC/81688 057/LL /E	SND4XV3	OB	10	T		45	4A
F	C	DYTNOH15 DYTNOH22 TT4 03574	03375						
F	C	DYTNOH15 DYTNOH22 TT4 03574	03376	OB		W	YFD11		
				OB	10	T		45	4A
C	S	/FTBS/456373 108/ATI /	SPA4BE8	OB	10	T		45	4A
F	C	DYTNOH15 DYTNOH22 TT11 00450	00417						
				OB		W	YFT11		
C	3	/GD /52377 /LL /2	SNC4VV3	OB	10	T		45	4A
F	X	CLMBOH11 NWRKOHXA 114 T1	0010						
				OB		W	YFD11		
C	3	/GP /03799 /LL /	SAD4AC4	OB		I		DF	4A
F	X	CLEVOH02F05 OBRLOHEAF01 119 T1	0007						
				OB		W	ASA11		
C	3	/GP /8230 034/LL /	SAB3CH5	OB		I		IG	4A
F	C	DYTNOH15 DYTNOH22 TT4 03700	03669						
F	C	DYTNOH15 DYTNOH22 TT4 03700	03670	OB		W	YSA11		
				OB	10	T		45	4A
C	3	/GPL /1208 /OB /	SML4PM8	OB	10	T		45	4A
F	X	BKPKOH26 CLEVOH62 273 T1	0013						
F	X	CLEVOH62 WLGHOH94 127 T1	0024	OB		W	NSA13		
				OB		E		SE	4A
				OB		I		SE	4A

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Figure 750-10. Circuit Component Data Integrity Report (Message Code 4A): TS-IC02

COMPANY: BELLCORE T/DIS RELEASE 4.0.2 (OB)
REPORT: TS-IC02
CONTROL DATE: 09/30/89
DR STUDY AREA: ALL
ADMIN AREA: ALL

CIRCUIT DETAILS INTEGRITY REPORT

RUN FOLDER: YDTS7500
PROGRAM: YDTS751 R-4.0.2
RUN DATE: 11/07/90 09:06:04
PAGE: 19

MESSAGE CODE 4E

C	FMT	CKT CIRCUIT IDENTIFICATION	CAC	PU ID	CKT STAT	DR CKT TYPE	MESSAGE CODES
F	CXE IND	FACILITY IDENTIFICATION: TERMINAL LOCATION A / TERMINAL LOCATION Z / CABLE #/ FAC DES / LAST PAIR/ FAC GROUP	UNIT #	PU D	ASGT SUBD	DR GRP CODE / DR CLS CODE	MESSAGE CODES
C	C	101 /T0-A /CLMBOH11K02/CLMBOH11W21	CES4SP8	OB		W	CXRXA
F	X	CLMBOH11K02 CLMBOH11W21 136 T1-E	0020	B		N / UR	4E
C	C	101 /T0-B /CLMBOH11K02/CLMBOH11W21	CES4RH8	B		W	CXRXA
F	X	CLMBOH11K02 CLMBOH11W21 134 T1-E	0004	B		N / UR	4E
C	C	101 /T0-C /AKRNOH25K01/AKRNOH25W31	CEU4CQ9	B		W	CXRXA
F	X	AKRNOH25K01 AKRNOH25W31 104 T1-E	0005	B		N / UR	4E
C	C	101 /T0-C /CLMBOH11K02/CLMBOH11W21	CES4RH9	B		W	CXRXA
F	X	CLMBOH11K02 CLMBOH11W21 134 T1-E	0005	B		N / UR	4E
C	C	101 /T1 /AKRNOH25F02/ECTNOH48F01	CAA2BG6	B		W	CXRXA
F	X	AKRNOH25 CNTNOH45 101 T3	0008	B		F / XA	4E
C	C	101 /T1 /AKRNOH25F02/NIND0H48F01	CAA2BH9	B		W	CXRXA
F	X	AKRNOH25 CNTNOH45 101 T3	0010	B		F / XA	4E
C	C	101 /T1 /CLEVOHIWW06/CLEVOH62	CEQ4TS3	B		W	CXRXA
F	X	CLEVOHIWW50 CLEVOH62 101 T3	0004	B		N / XA	4E
C	C	101 /T1 /CLEVOH53 /SECLOH38	CEU4LN3	B		W	AHCA2
F	C	CLEVOH53 SECLOH38 658 00050	00046	B	10	E / XF	4E
F	C	CLEVOH53 SECLOH38 659 00051	00046	B	10	E / XF	4E
C	C	101 /T1 /CLMBOHIAW02/WOTNOH8888C	CEU4WK7	B		W	CXRXA
F	X	CLMBOHIAW50 CLMBOH11 103 T3	0024	B		N / XA	4E
C	C	101 /T1 /CLMBOHITW01/CLMBOH29	CER4TB2	B		W	CXRXA
F	X	CLMBOHITW01 CLMBOH11 104 T3	0008	B		N / XA	4E
C	C	101 /T1 /CLMBOHITW01/WOTNOH88	CER4XH9	B		W	CXRXA
F	X	CLMBOHITW01 CLMBOH11 104 T3	0011	B		N / XA	4E
C	C	102 /T0-A /CLMBOH11K02/CLMBOH11W21	CES4WF3	B		W	CXRXA
F	X	CLMBOH11K02 CLMBOH11W21 119 T1-E	0015	B		N / UR	4E
C	C	102 /T0-B /AKRNOH25K01/AKRNOH25W31	CEU4CL7	B		W	CXRXA

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Figure 750-11. Circuit Component Data Integrity Report (Message Code 4B): TS-IC02

COMPANY: BELLCORE T/DIS RELEASE 4.0.2 (OB) RUN FOLDER: YDTS7500
REPORT: TS-IC02 PROGRAM: YDTS751 R-4.0.2
CONTROL DATE: 09/30/89 RUN DATE: 11/07/90 09:10:30
DR STUDY AREA: ALL CIRCUIT DETAILS INTEGRITY REPORT PAGE: 6
ADMIN AREA: ALL

MESSAGE CODE 4D

CKT FMT	CIRCUIT IDENTIFICATION	CAC	CPU ID	CKT STA	DR CKT TYPE	CLO NUMBER	CLO ACT	CLO DUE DATE	CLO COMPL DATE	MESSAGE CODES
3	/ADT /263 /OB /	SAD2EC2	OB	W	NBA13		IE			2R 4A 4B 4C 4D
3	/ADT /272 /OB /3	SFQ4CB7	OB	W	NBA13	NNS410174001	IE		850524	4M 4N 4O 4P 4A

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Figure 750-12. Circuit Component Data Integrity Report (Message Code 4D): TS-IC02

COMPANY: BELLCORE T/DIS RELEASE 4.0.2 (OB)
REPORT: TS-IC02
CONTROL DATE: 09/30/89
DR STUDY AREA: ALL
ADMIN AREA: ALL

CIRCUIT DETAILS INTEGRITY REPORT

RUN FOLDER: YDTS7500
PROGRAM: YDTS751 R-4.0.2
RUN DATE: 11/07/90 09:06:04
PAGE: 274

MESSAGE CODE 4M

EQUIPMENT IDENTIFICATION LOCATION	HECI	RELAY RACK	CAC	UNIT #	CPJ ID	ASGT SUBD	UNIT TYPE	PLCMT CODE	ECN	DRP ECN	MESSAGE CODES
YNTWOH02	DLC2110BRB	02*2300.4	SAD4SN2	19			S	1A		843	4M
YNTWOH02	DLC2110BRB	02*2200.1	SAC3QW5	1			S	1A		843	4M
YNTWOH02	ERM06R3CRE	01*129.4	SAC3QW5	544			M	1A	842B-		
YNTWOH02	DLC2110BRB	02*2200.1	SAC3ST6	18			S	1A		843	4M
BLLROH67	DLC2110BRB	01*104.01	SAA5GY7	7			S	LOCA		843	4M
BDMNOH75	MTM2445ARA	01*102.24	SEZ4WZ3	31		CKT1	M	1A	868B2		
YNTWOH02	DLC2110BRB	02*2300.1	SEZ4WZ3	19			S	2A		843	4M
CLHGOH32	DLC2110BRB	01*103.2	SAC9ZB4	122			S	1Z		843	4M
CLHGOH32	ERM0603CRX	01*29	SAC9ZB4	2963			M	1Z	842B-		
CLHGOH32	DLC2110BRB	01*103.2	SAC5UA3	134			S	1A		843	4M
CLHGOH32	ERM0603CRX	01*34	SAC5UA3	3764			M	1A	842B-		
CLHGOH32	DLC2110BRB	01*103.3	SAC8QW5	225			S	1Z		843	4M
CLHGOH32	ERM0603CRX	01*32	SAC8QW5	3491			M	1Z	842B-		
CLHGOH32	DLC2110BRB	01*103.3	SAC8QX5	223			S	1Z		843	4M
CLHGOH32	ERM0603CRX	01*29	SAC8QX5	2945			M	1Z	842B-		
CLHGOH32	DLC2110BRB	01*103.2	SAC8QX9	154			S	1Z		843	4M

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Figure 750-13. Circuit Component Data Integrity Report (Message Code 4M): TS-IC02

```
                                   * * * * D R P - T D I S * * * *
COMPANY: TDIS REL 5.0 TEST  ( BC )                                                       RUN FOLDER: YDTS7500
REPORT: TS-IC02                                                                          PROGRAM: YDTS751     R-5.0
CONTROL DATE: 10/15/92                                                                   RUN DATE:  12/17/92  08:57:35
DR STUDY AREA: UNDETERMINED                CIRCUIT DETAILS INTEGRITY REPORT              PAGE:        97
ADMIN AREA: ALL
                                                   PROCESSING SUMMARY
                             TOTAL DRP CIRCUITS PROCESSED                             =      12,190
                             TOTAL DRP CIRCUITS WITH ONE/MORE TYPE 1/2/4 DISCREPANCIES =     11,339
                             TOTAL TYPE 1 MESSAGE CODES DETECTED                      =       2,183
                             TOTAL TYPE 2 MESSAGE CODES DETECTED                      =      18,940
                             TOTAL TYPE 4 MESSAGE CODES DETECTED                      =         362
                             DATA DISCREPANCY COUNTS:            REQUESTED DR SA        ENTIRE FILE
                                                   TOTAL 1C                0               1,307
                                                   TOTAL 1D                0                  88
                                                   TOTAL 1E                0                 788
                                                   TOTAL 2B              593                 594
                                                   TOTAL 2C                0                   1
                                                   TOTAL 2D                0                   1
                                                   TOTAL 2E                0                 143
                                                   TOTAL 2F              683               6,999
                                                   TOTAL 2I                0                 105
                                                   TOTAL 2K              722              11,016
                                                   TOTAL 2L                0                   0
                                                   TOTAL 2M                0                   0
                                                   TOTAL 2N                0                   0
                                                   TOTAL 2O                0                  62
                                                   TOTAL 2R                0                  19
                                                   TOTAL 4A                0                  39
                                                   TOTAL 4B                0                   0
                                                   TOTAL 4C                0                   0
                                                   TOTAL 4D                0                   0
                                                   TOTAL 4E                0                  94
                                                   TOTAL 4F                0                   0
                                                   TOTAL 4G                0                   0
                                                   TOTAL 4H                0                   0
                                                   TOTAL 4M                0                   7
                                                   TOTAL 4N                0                 204
                                                   TOTAL 4O                0                   0
                                                   TOTAL 4P                0                  18

                                                     PROPRIETARY
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```

Figure 750-14. Circuit Component Data Integrity Report (Processing Summary): TS-IC02

750.4.2 Audit Report for YDTS750: TS-EDP

This audit report summarizes the input and output activity for program YDTS750 of the YDTS750 procedure. The output activity should correspond to the input activity of program YDTS751, which is part of this procedure.

The main items on the report are the exact image of the control input card and any associated error codes. Message codes should not appear. If they do, call Bellcore.

The following error codes may be encountered:

5A - Indicated Field Is Invalid
The date in question will be underlined to assist the user in initiating necessary corrections.

5B - Required Field Is Missing
The input card is lacking data necessary to initiate the process. A corrected input card is required to restart the process.

5E - Spaces Between or After Fields Must Be Blank
The fields on the input card are not populated correctly. A corrected input card is required.

5N - Request Limit Exceeded
More than 15 error codes were input.

The following items are for verifying the accuracy and completeness of the process:

Counts of Cards: Read, Accepted and Rejected

Counts of Circuit Details Facility Length file records read, per record type and total

Counts of DRP Equipment Details records read and bypassed

Counts of Circuit Components Integrity Report file records written, per record type and total.

The input activity should correspond to the output activity of the Merged Circuit Details Facility Length File (YDTS500) and Merged Equipment Details File (YDTS500), as well as the counts reflected on the TS-IC02 processing summary page (YDTS750).

```
                                        * * * * D R P - T D I S * * * *
COMPANY: CINCINATTI   ( CB )                                                    RUN FOLDER: YDTS750
REPORT: TS-EDP                                                                  PROGRAM: YDTS750     R-5.1
CONTROL DATE: 10/04/93                                                          RUN DATE:  11/02/93  17:19:08
                                     EDP PROGRAM SUMMARY AND AUDIT REPORT       PAGE:         1
                                        USE EQPTDTLS FILE INTEGRITY REPORT
                                1         2         3         4         5         6         7         8     ERROR
            CARD COLUMNS    12345678901234567890123456789012345678901234567890123456789012345678901234567890    MESSAGES

                            750A Y




MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID
   5B - REQUIRED FIELD IS MISSING
   5E - SPACES BETWEEN OR AFTER FIELDS MUST BE BLANK
   5N - REQUEST LIMIT EXCEEDED
                                                  PROPRIETARY
                                     BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 750-15. Audit Report for YDTS750: TS-EDP - Create Circuit Components Data Integrity Report File, Page 1

```
                                        * * * * D R P - T D I S * * * *
COMPANY: CINCINATTI   ( CB )                                                RUN FOLDER: YDTS750
REPORT: TS-EDP                                                              PROGRAM: YDTS750     R-5.1
CONTROL DATE: 10/04/93                                                      RUN DATE:  11/02/93  17:19:08
                                      EDP PROGRAM SUMMARY AND AUDIT REPORT  PAGE:         2
                                        MULTICPU PROCESSING INFORMATION

FILENAME  CPU  DATE
--------  --- ------
MCDFACID: CB  100493
MEQPDTLS: CB  100493
          FILENAME CPU  DATE
          -------- --- ------
MAX DATE: MCDFACID CB  100493
MIN DATE: MCDFACID CB  100493
DIFF DAYS:                 0




MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID
   5B - REQUIRED FIELD IS MISSING
   5E - SPACES BETWEEN OR AFTER FIELDS MUST BE BLANK
   5N - REQUEST LIMIT EXCEEDED
                                                  PROPRIETARY
                                      BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 750-16. Audit Report for YDTS750: TS-EDP - Create Circuit Components Data Integrity Report File, Page 2

```
                                        * * * * D R P - T D I S * * * *
COMPANY: CINCINATTI   ( CB )                                                    RUN FOLDER: YDTS750
REPORT: TS-EDP                                                                  PROGRAM: YDTS750     R-5.1
CONTROL DATE: 10/04/93                                                          RUN DATE:  11/02/93  17:19:08
                                     EDP PROGRAM SUMMARY AND AUDIT REPORT       PAGE:         3
                                       CIRCUIT DETAILS INTEGRITY REPORT
                                1         2         3         4         5         6         7         8     ERROR
            CARD COLUMNS    12345678901234567890123456789012345678901234567890123456789012345678901234567890    MESSAGES

                               750B ** **** 1C 1D 1E
                               750B ** **** 2B 2C 2D 2E 2F 2I 2K 2L 2M 2N 2O 2R
                          INTEGRITY REQUESTS:  READ                                          =           2
                                               ACCEPTED                                      =           2
                                               REJECTED                                      =           0
                          CIRCUIT DETAILS FACILITY LENGTH RECORDS READ:  CIRCUIT  (1)         =     201,535
                                                                         FACILITY (2)         =     188,788
                                                                         NORM     (3)         =      18,705
                                                                         TOTAL                =     409,028
                          DRP EQUIPMENT DETAILS RECORDS:  READ                               =     203,878
                                                          BYPASSED (NORMALIZED EQUIPMENT)    =      29,120
                          CIRCUIT DETAILS INTEGRITY REPORT FILE RECORDS WRITTEN:  HEADER    (1) =           1
                                                                                  CIRCUIT   (2) =      15,788
                                                                                  FACILITY  (3) =      14,197
                                                                                  EQUIPMENT (4) =       6,402
                                                                                  TOTAL         =      36,388




MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID
   5B - REQUIRED FIELD IS MISSING
   5E - SPACES BETWEEN OR AFTER FIELDS MUST BE BLANK
   5N - REQUEST LIMIT EXCEEDED
                                     * * * * * *  END OF REPORT  * * * * * *
                                                   PROPRIETARY
                                       BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 750-17. Audit Report for YDTS750: TS-EDP - Create Circuit Components Data Integrity Report File, Page 3

750.4.3 Audit Report for YDTS751: TS-EDP

This audit report summarizes the input and output activity of program YDTS751, which is part of the YDTS750 procedure. The main items on the report are as follows:

Counts of Circuit Details Integrity Report File records read, per record type and total
This should correspond to the output activity of program YDTS750, which is part of this same procedure.

Count of TS-IC02 reports produced
This should equal the number of reports requested/received based on the input of the RC Card(s).

```
                                    * * * * D R P - T D I S * * * *
COMPANY: REL 51 TEST CB NES   ( CB )                                  RUN FOLDER: YDTS750
REPORT: TS-EDP                                                        PROGRAM: YDTS751     R-5.1
CONTROL DATE: 10/04/93                                                RUN DATE:  10/25/93  19:43:06
                                  EDP PROGRAM SUMMARY AND AUDIT REPORT PAGE:         1
                        CIRCUIT DETAILS INTEGRITY REPORT FILE RECORDS READ:  HEADER    (1) =          1
                                                                             CIRCUIT   (2) =          1
                                                                             FACILITY  (3) =          0
                                                                             EQUIPMENT (4) =          0
                                                                             TOTAL         =          2
                        TS-IC02 REPORTS WRITTEN                                            =          1




                                * * * * * *  END OF REPORT  * * * * * *
                                          PROPRIETARY
                                BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 750-18. Audit Report for YDTS751: TS-EDP - Generate Circuit Components Data Integrity Report

750.5 Abnormal Termination

The following conditions will result in termination of the process:

Condition Code 2007 - No Header Record Found For Filename

This condition code may result from improper sort of data, the program not starting at the first tape, the prior program not completing correctly, or other processing malfunctions.

Condition Code 2009 - Invalid Header Record

This condition code may indicate that there is a mismatch on the CPU ID between the input card and the data being accessed, the control data does not match the header record, or the header record date is outside the range dictated by the TDIS logic.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE

The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

Condition Code 2034 - No Circuit Data Found On Circuit Details Length File for Equipment Subdivision

This condition code occurs if an equipment subdivision with a non-blank CAC that does not begin with ‘‘H’’ or ‘‘L’’ indicating span does not have corresponding circuit data present on the Circuit Details Facility Length File. New extract tapes from TIRKS are required to restart the process.

This condition also occurs if the file is out of order from what is expected or if the equipment file has a sequence that cannot be found on the circuit details. Expected order of circuit detail is +1, +2, -3, -2, -1 , 0, O. Expected order of equipment is +1, +2, -3, -2, -1, LOCA, LOCZ, O. (Appendix D contains a more detailed description of sequencing.)

Condition Code 2043 - Input Requests Missing or Invalid, Processing Terminated

This condition code occurs when the control cards were rejected by the program edit or no input card was found. A corrected control card is required to restart the process.

780. YDTS780 - Generate the Nonconforming, Interstate-IntraLATA, Corridor, and Unidentified LATA Reports

780.1 General Description

This procedure uses the Merged Circuit Details Facility Length File (MCDFACID) from YDTS500 to provide reports on circuits that cross LATA boundaries.

Since there is limited use of these reports in today's environment, background information and the detailed program logics are included within this section.

Circuits included on the YDTS780 reports are defined in the descriptions below:

NONCONFORMING CIRCUITS

The term ''nonconforming'' refers to interLATA circuits that cross a LATA boundary and do not terminate in or pass through a POP on both sides of the LATA boundary. This is the opposite of a conforming circuit, which enters a POP on *both* sides of a LATA boundary.

Since nonconforming circuits were to be reconfigured within 5 years of divestiture, there should be few, if any, remaining in the TIRKS system today. Additionally, company official nonconforming circuits are excluded from the YDTS780 reports.

INTERSTATE-INTRALATA CIRCUITS

These circuits have their circuit location A and Z terminations in a different state, but both of the locations are in the same LATA.

For interstate-intraLATA, the state part of the LATA code (first two positions) would be different, but the LATA number (Positions 3 though 5) would be the same.

CORRIDOR CIRCUITS

These are the transmission paths in which the Modified Final Judgment (MFJ) granted permission for the BCCs to provide interLATA services and compete with the IXCs. Additional logic associated with identifying corridor circuits is contained in the following paragraphs.

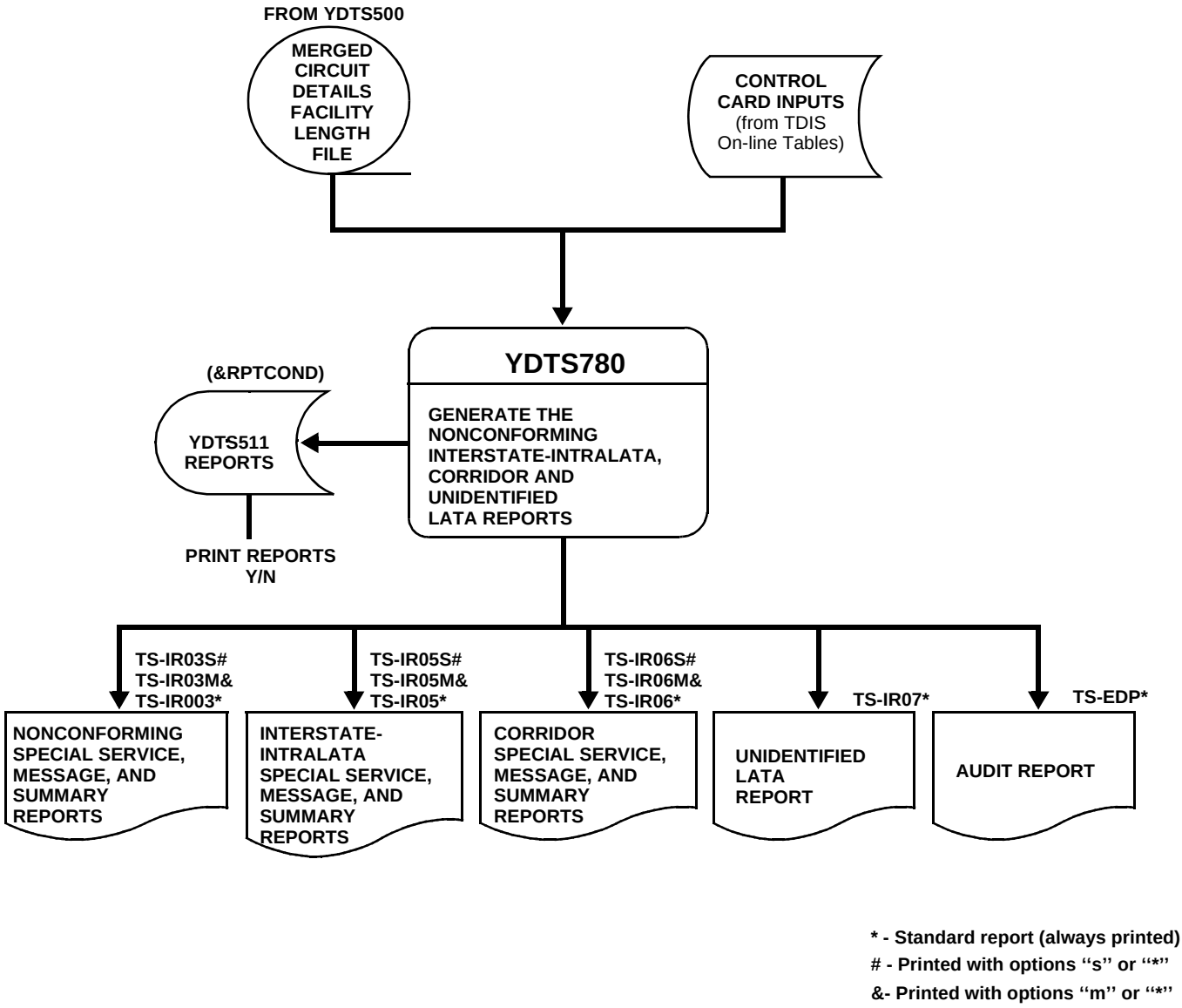
The following basic functions are contained in the YDTS780 procedure:

1. Verify that the Circuit Status (CKT STAT) is is equal to ''W'' for working.

2. Verify that the LATA code for LOCA and LOCZ are unequal for nonconforming circuits and that they are equal but in different states for interstate-intraLATA circuits.
3. Identify the circuit as corridor service via the following steps:
   - — The first position of the DR Circuit Type is ‘‘C’’.
   - — Position 5 of the DR Circuit Type contains the number 7
   - — Circuit Location A and Z terminates between New York and New Jersey or New Jersey and Pennsylvania. In these instances, the state part (first two characters) of the LATA code must be ‘‘NY and NJ’’ and ‘‘NJ and PA.’’
4. For nonconforming circuits only, the first position of the DR Circuit Type must be a character other than “A” or “Y”. Because ‘‘Y’’ was used to identify AT&T circuits, there should be few, if any, of these residing in the TIRKS database in the current environment.
5. Circuits that pass the logic of Items 3-4 above, additional processing is done as follows:
   - — If the first position of the CAC is ‘‘S’’ for special or ‘‘M’’ for message, the record is applicable to the circuit details report for that type of circuit.
   - — Mileage counts are accumulated for each DR Class Code for both message plus special service circuits within a DR Area. These counts are written to the appropriate Mileage Summary Report. These counts are always for message *plus* special service regardless of which report was requested by the user.
   - — If the first position of the CAC is not ‘‘S’’ or ‘‘M’’, the record is not used in this process. This will eliminate carrier and span records.
   - — The program can generate message and/or special service circuit detail reports in one run based on the report selection options that will be discussed later.

NOTE — All selection logic to determine if a circuit is NONCONFORMING, INTERSTATE-INTRALATA, or a CORRIDOR, will be done on only the primary circuit locations (location A and location Z). If an open ended circuit is selected for a report, all LATA information (locations A, Z, A2, Z2) for that circuit will be shown on the reports.

780.2 Program Flow Diagram



*** - Standard report (always printed)**
 # - Printed with options ''s'' or ''*''
&- Printed with options ''m'' or ''*''

Figure 780-1. YDTS780 Program Flow Diagram

780.3 Inputs

780.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date this process is to be executed.
2. RUN SEQUENCE REQUIREMENTS - If more than one run has been submitted, it is necessary to specify the order in which the runs are to be processed. Appendix B contains job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of the person(s) to whom the processed reports are to be delivered.

> **NOTE —** Maintenance of the control card for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL).

780.4 Outputs

780.4.1 Nonconforming Special Service Detail Report - Data Analysis Information: TS-IR03S

This report is sorted by Administrative Area and Circuit ID within the Administrative Area. There is a page break when the Administrative Area changes. A separate line of facility data is generated for each DR Area associated with the nonconforming circuit.

The report heading will contain the following information:

- In the upper left-hand corner: company name, report name, control date, and admin area.
- In the upper right-hand corner: run folder, program name,TDIS release number, run date, and page number. The TDIS release number indicates when this process was last changed. Refer to the current RCL to validate this information.

Since the 5-year limit has expired, there should be few circuits on this report. In the event that some circuits still exist, the data will be displayed under the following column headings:

- DR CKT TYPE
- CIRCUIT IDENTIFICATION
- CAC
- CKT LATA A
- CKT LATA Z
- CKT POP A
- CKT POP Z
- CKT LATA A2
- CKT LATA Z2
- CKT POP A2
- CKT POP Z2
- CABLE #/FAC DES
- LAST PAIR/FAC GROUP
- UNIT NUMBER
- DR CLASS CODE
- DR GROUP CODE

- FACILITY LOCATION A
- FACILITY LOCATION Z
- SEQ CODE
- FAC LATA A
- FAC LATA Z
- FAC POP A
- FAC POP Z
- DR AREA
- DR AREA MILES.

Appendix I and BR 756-551-790 contain detailed explanations of these fields.

```
                                        * * *  B I S  -  D R P  -  T D I S  * * *
COMPANY:  BASE - RELEASE 7.0 ENVIRONMENT  (CB)                                                  RUNFOLDER:  YDTS7800
REPORT:  TS-IR03S                                                                               PROGRAM:  YDTS780   R-7.0
CREATE DATE:  05/10/97                                                                          RUNDATE:  05/16/97  08.49.44
ADMIN AREA:  MB                          NON-CONFORMING SPECIAL SERVICE CIRCUIT DETAIL REPORT    PAGE:  1

                                                                                    CKT    CKT   CKT  CKT   CKT    CKT   CKT  CKT
DR CKT                                                                              LATA   LATA  POP  POP   LATA   LATA  POP  POP
 TYPE             CIRCUIT IDENTIFICATION                CAC                          A      Z     A    Z     A2     Z2    A2   Z2
------  ----------------------------------------------  --------                    -----  -----  ---  ---  -----  -----  ---  ---

                                    DR     DR                                        FAC    FAC   FAC  FAC            DR
  CABLE #/   LAST PAIR/   UNIT     CLASS  GROUP   FACILITY     FACILITY     SEQ     LATA   LATA  POP  POP   DR       AREA
  FAC DES    FAC GROUP    NUMBER   CODE   CODE    LOCATION A   LOCATION Z   CODE    A      Z     A    Z     AREA     MILES
 ----------  ----------  ------  -----  -----  -----------  -----------  ----    -----  -----  ---  ---  -----  --------------

       03/FLNT/000001 001/STLS/                      SMM3JZ2                     MO922  MO999   I    N
  C001          00020     00003   QQ      ..    STLSMO01     STLSMO09       1   MO922  MO999   I    N                    .0
```

Figure 780-2. Nonconforming Special Service Detail Report - Data Analysis Information: TS-IR03S

780.4.2 Nonconforming Message Circuit Detail Report - Data Analysis Information: TS-IR03M

As previously stated, few if any circuits will appear on this report. The sort sequence for message circuits is different from that of the special service circuits in that the sequence is based on the complete message trunk identification. This allows entire trunks groups to be grouped together. With the exception that the Circuit Identification is further broken down into Trunk Number, Traffic ID, Message Location A, Pulsing, and Message Location Z, the same column headings listed previously will appear on the report.

PROPRIETARY-BELLCORE AND AUTHORIZED CLIENTS ONLY

* * * B I S - D R P - T D I S * * *

COMPANY: BASE - RELEASE 7.0 ENVIRONMENT (CB) RUNFOLDER: YDTS7800
REPORT: TS-IR03M PROGRAM: YDTS780 R-7.0
CREATE DATE: 05/10/97 RUNDATE: 05/16/97 08.49.44
ADMIN AREA: GG NON-CONFORMING MESSAGE CIRCUIT DETAIL REPORT PAGE: 1

DR CKT TYPE	TRK NBR	TRAFFIC ID	MESSAGE LOCATION A	PLSG	MESSAGE LOCATION Z	CAC	CKT LATA A	CKT LATA Z	CKT POP A	CKT POP Z	CKT LATA A2	CKT LATA Z2	CKT POP A2	CKT POP Z2
	0001	DF55IE	STLSMO01	RR	STLSMO05	MMM3HD8	MO922	MO999	I	N				
C001		00030	00001 QQ	..	STLSMO01	STLSMO05	1 MO922	MO999	I	N	MOSL		5.0	
	0002	DF55IE	STLSMO01	RR	STLSMO05	MMM3HD9	MO922	MO999	I	N				
C001		00030	00002 QQ	..	STLSMO01	STLSMO05	1 MO922	MO999	I	N	MOSL		5.0	
	0003	DF55IE	STLSMO01	RR	STLSMO05	MMM3HE2	MO922	MO999	I	N				
C001		00030	00003 QQ	..	STLSMO01	STLSMO05	1 MO922	MO999	I	N	MOSL		5.0	
	0004	DF55IE	STLSMO01	RR	STLSMO05	MMM3HE3	MO922	MO999	I	N				
C001		00030	00004 QQ	..	STLSMO01	STLSMO05	1 MO922	MO999	I	N	MOSL		5.0	
	0005	DF55IE	STLSMO01	RR	STLSMO05	MMM3HE4	MO922	MO999	I	N				
C001		00030	00005 QQ	..	STLSMO01	STLSMO05	1 MO922	MO999	I	N	MOSL		5.0	

CABLE #/ FAC DES	LAST PAIR/ FAC GROUP	UNIT NUMBER	DR CLASS CODE	DR GROUP CODE	FACILITY LOCATION A	FACILITY LOCATION Z	SEQ CODE	FAC LATA A	FAC LATA Z	FAC POP A	FAC POP Z	DR AREA	DR AREA MILES

Figure 780-3. Nonconforming Message Circuit Detail Report - Data Analysis Information: TS-IR03M

780.4.3 Nonconforming Mileage Summary Report - Data Analysis Information: TS-IR03

This report is sorted by DR Area and then DR Class Codes within the DR Area with a page break when the DR Area changes. This summary report combines the mileages associated with both message and special service circuits, shown on the two reports discussed previously.

Data is displayed under the headings of DR Class Code and DR Area Miles, and also provides a DR Area Total.

```
                                        * * *  B I S  -  D R P  -  T D I S  * * *
COMPANY:  CINCINATTI  (CB)                                                          RUNFOLDER:  YDTS780
REPORT:  TS-IR03                                                                    PROGRAM:  YDTS780   R-5.1
CREATE DATE:  10/04/93                                                              RUNDATE:  11/01/93  15.22.39
DR AREA :  CH                          NON-CONFORMING MILES MILEAGE SUMMARY REPORT  PAGE:  1


     DR CLASS CODE   DR AREA MILES
     -------------   -------------
         GB                 24.4
         GS                  6.2
         IG                141.4
         JN                261.2
         KC                 15.6
         K1                 15.4
         MJ              1,070.4
         PQ                  6.9
         P7                180.3
         P8                  1.6
         QQ                 27.5
         SE                235.6
         URXA                9.7
         W6                115.3
         04                   .1
         07                   .8
DR AREA TOTAL              2,112.4
                                       PROPRIETARY-BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 780-4. Nonconforming Mileage Summary Report - Data Analysis Information: TS-IR03

780.4.4 Interstate-intraLATA Special Service Circuit Detail Report - Data Analysis Information: TS-IR05S

This report is sorted by Administrative Area and Circuit ID within the Administrative Area. A page break is invoked when the Administrative Area changes. This is an informational report and data is displayed under the following column headings:

- DR CKT TYPE
- CIRCUIT IDENTIFICATION
- CAC
- CKT LATA A
- CKT LATA Z
- CKT POP A
- CKT POP Z
- CKT LATA A2
- CKT LATA Z2
- CKT POP A2
- CKT POP Z2
- CABLE #/FAC DES
- LASTPAIR/FAC GROUP
- UNIT NUMBER
- DR CLASS CODE
- DR GROUP CODE
- FACILITY LOCATION A
- FACILITY LOCATION Z
- SEQ CODE
- FAC LATA A
- FAC LATA Z
- FAC POP A
- FAC POP Z
- DR AREA
- DR AREA MILES.

```
                                          * * *  B I S  -  D R P  -  T D I S  * * *
COMPANY:  TDIS REL 5.0 TEST  (SL)                                                                                    RUNFOLDER:  YDTS7800
REPORT:  TS-IR05S                                                                                                    PROGRAM:  YDTS780   R-5.0
CREATE DATE:  08/08/92                                                                                               RUNDATE:  12/30/92  17.10.04
ADMIN AREA:                                 INTERSTATE-RA SPECIAL SERVICE CIRCUIT DETAIL REPORT                      PAGE:  1

                                                                                            CKT    CKT   CKT  CKT
    DR CKT                                                                                  LATA   LATA  POP  POP
     TYPE            CIRCUIT IDENTIFICATION                      CAC                         A      Z     A    Z
    ------  ---------------------------------------------   --------                        -----  ----- ---  ---

                                      DR     DR                                              FAC    FAC   FAC  FAC             DR
       CABLE #/   LAST PAIR/  UNIT   CLASS  GROUP   FACILITY     FACILITY     SEQ  LATA   LATA  POP  POP   DR         AREA
       FAC DES    FAC GROUP   NUMBR  CODE   CODE   LOCATION A   LOCATION Z   CODE   A      Z     A    Z   AREA       MILES
       ---------- ----------  -----  -----  -----  -----------  -----------  ----  -----  ----- ---  ---  -----  -------------

    ALG12   62/LGGS/000865    /SW  /                           SXJ7GM6                      AR526  OK526  N    N
       9533          T1       00004  UVXI     N    FTSMARABWAC  FTSMARSUK01    1    AR526  AR526  N    N   ARAR            2.9
       105           T1       00009  SG       I    FTSMARSUK01  POCLOKMA       2    AR526  OK526  N    N   OKOK            4.4
                                                                                                           ARAR            9.7
    ALG11   62/LGGS/007487    /SW  /                           SZY7AJ2                      AR526  OK526  N    N
       9501          T1       00017  UWXA     N    FTSMARABWAC  FTSMARSUK01    1    AR526  AR526  N    N   ARAR            2.9
       105           T1       00006  IG       I    FTSMARSUK01  POCLOKMA       2    AR526  OK526  N    N   OKOK            4.4
                                                                                                           ARAR            9.7
    ALG11   62/LGGS/014043    /SW  /                           SBV7ZW5                      AR526  OK526  N    N
       9507          T1       00020  UWXA     N    FTSMARABWAC  FTSMARSUK01    1    AR526  AR526  N    N   ARAR            2.9
       105           T1       00005  IG       I    FTSMARSUK01  POCLOKMA       2    AR526  OK526  N    N   OKOK            4.4
                                                                                                           ARAR            9.7
    ALG11   62/LGGS/020023    /SW  /                           SDY7HP9                      AR526  OK526  N    N
       9520          T1       00009  UWXA     N    FTSMARABWAC  FTSMARSUK01    1    AR526  AR526  N    N   ARAR            2.9
       105           T1       00007  IG       I    FTSMARSUK01  POCLOKMA       2    AR526  OK526  N    N   OKOK            4.4
                                                                                                           ARAR            9.7
    ASBG1   62/SBGS/501/648/3106/     /                        SEZ7FA8                      AR526  OK526  N    N
       106           T1       00017  ZB       E    FTSMARMIFA1  FTSMARSUK01    1    AR526  AR526  N    N   ARAR            5.2
       105           T1       00001  ZA       I    FTSMARSUK01  POCLOKMA       2    AR526  OK526  N    N   OKOK            4.4
                                                                                                           ARAR            9.7
    ASBG1   62/SBGS/501/648/3514/     /                        SEZ7FA9                      AR526  OK526  N    N
       107           T1       00016  ZB       E    FTSMARMIFA1  FTSMARSUK01    1    AR526  AR526  N    N   ARAR            5.2
       105           T1       00002  ZA       I    FTSMARSUK01  POCLOKMA       2    AR526  OK526  N    N   OKOK            4.4
                                          PROPRIETARY-BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 780-5. Interstate-IntraLATA Special Service Circuit Detail Report - Data Analysis Information: TS-IR05S

780.4.5 Interstate-intraLATA Message Circuit Detail Report - Data Analysis Information: TS-IR05M

With the exception of the message description listed in Section 7800.4.4, the column headings for this report are the same as for the TS-IR05S report.

```
                                        * * *  B I S  -  D R P  -  T D I S  * * *
COMPANY: TDIS REL 5.0 TEST  (SL)                                                                     RUNFOLDER:  YDTS7800
REPORT: TS-IR05M                                                                                     PROGRAM:  YDTS780   R-5.0
CREATE DATE:  08/08/92                                                                                RUNDATE:  12/30/92  17.10.04
ADMIN AREA:                             INTERSTATE-RA  MESSAGE CIRCUIT DETAIL REPORT                 PAGE:  1

         * * * * * *  CIRCUIT  IDENTIFICATION   * * * * * *                       CKT    CKT   CKT  CKT
  DR CKT  TRK     TRAFFIC       MESSAGE              MESSAGE                      LATA   LATA  POP  POP
   TYPE   NBR       ID          LOCATION A   PLSG   LOCATION Z    CAC              A      Z     A    Z
  ------  ----  -------------  -----------  ----  -----------  --------          -----  -----  ---  ---

                                      DR     DR                                   FAC    FAC   FAC  FAC                 DR
     CABLE #/    LAST PAIR/   UNIT   CLASS  GROUP   FACILITY     FACILITY    SEQ  LATA   LATA  POP  POP   DR           AREA
     FAC DES     FAC GROUP    NUMBR  CODE   CODE   LOCATION A   LOCATION Z   CODE  A      Z     A    Z   AREA         MILES
     ----------  ----------   -----  -----  -----  -----------  -----------  ----  -----  -----  ---  ---  -----  --------------

  MSGJT   5501  DF5-SPCM4      CLCROKXASG0   D-    FYVLARATGMD  MHK7HF7            OK526  AR526  N    N
     101            T1        00010  MJ      I     CLCROKXA     FYVLARHI      1    OK526  AR526  N    N   ARAR            16.9
     9162           T1        00012  YFXI    N     FYVLARATWAC  FYVLARHIFH2   2    AR526  AR526  N    N   ARAR            10.8
  MSGJT   5502  DF5-SPCM4      CLCROKXASG0   D-    FYVLARATGMD  MHK7HF8            OK526  AR526  N    N
     101            T1        00011  MJ      I     CLCROKXA     FYVLARHI      1    OK526  AR526  N    N   ARAR            16.9
                                                                                                         ZZZZ            31.5
     9162           T1        00013  YFXI    N     FYVLARATWAC  FYVLARHIFH2   2    AR526  AR526  N    N   ARAR            10.8
  MSGJT   5503  DF5-SPCM4      CLCROKXASG0   D-    FYVLARATGMD  MHK7HF9            OK526  AR526  N    N
     101            T1        00012  MJ      I     CLCROKXA     FYVLARHI      1    OK526  AR526  N    N   ARAR            16.9
                                                                                                         ZZZZ            31.5
     9162           T1        00014  YFXI    N     FYVLARATWAC  FYVLARHIFH2   2    AR526  AR526  N    N   ARAR            10.8
  MSGJT   5504  DF5-SPCM4      CLCROKXASG0   D-    FYVLARATGMD  MHK7HG2            OK526  AR526  N    N
     101            T1        00019  MJ      I     CLCROKXA     FYVLARHI      1    OK526  AR526  N    N   ARAR            16.9
                                                                                                         ZZZZ            31.5
     9162           T1        00015  YFXI    N     FYVLARATWAC  FYVLARHIFH2   2    AR526  AR526  N    N   ARAR            10.8
  MSGJT   5505  DF5-SPCM4      CLCROKXASG0   D-    FYVLARATGMD  MHK7HG3            OK526  AR526  N    N
     101            T1        00020  MJ      I     CLCROKXA     FYVLARHI      1    OK526  AR526  N    N   ARAR            16.9
                                                                                                         ZZZZ            31.5
     9162           T1        00016  YFXI    N     FYVLARATWAC  FYVLARHIFH2   2    AR526  AR526  N    N   ARAR            10.8
  MSGJT   5506  DF5-SPCM4      CLCROKXASG0   D-    FYVLARATGMD  MNS7TQ2            OK526  AR526  N    N
     101            T1        00021  MJ      I     CLCROKXA     FYVLARHI      1    OK526  AR526  N    N   ARAR            16.9
                                                                                                         ZZZZ            31.5
                                   PROPRIETARY-BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 780-6. Interstate-IntraLATA Message Circuit Detail Report - Data Analysis Information: TS-IR05M

780.4.6 Interstate-intraLATA Mileage Summary Report - Data Analysis Information: TR-IR05

Data on this report is displayed in the same manner as described in Section 7800.4.3.

```
                                    * * *  B I S  -  D R P  -  T D I S  * * *
COMPANY:  CINCINNATTI  (CB)                                                  RUNFOLDER:  YDTS780
REPORT:  TS-IR05                                                             PROGRAM:  YDTS780   R-5.1
CREATE DATE:  10/04/93                                                       RUNDATE:  11/01/93  15.22.39
DR AREA :  CH                          INTERSTATE  RA MILES MILEAGE SUMMARY REPORT   PAGE:  2


     DR CLASS CODE   DR AREA MILES
     -------------   -------------
         GA                 59.2
         GB                  4.9
         GI                242.6
         GS                135.0
         IG              4,097.0
         JN              2,178.6
         JO                127.1
         KC                692.5
         KCXA                .3
         K1             48,802.3
         K2             43,561.9
         MA              4,468.9
         MC                273.2
         MJ             30,198.7
         NA              1,572.5
         PQ                498.2
         P6                 16.9
         P7                672.7
         P8              1,568.3
         QQ                266.0
         QQXA                7.0
         RT                  2.0
         SE              5,771.2
         SG                411.8
         SN              3,668.8
         SNXA                9.4
         URXA              564.2
         URZL                6.6
         WL                 80.6
         WMXA                .1
         W4                  2.0
         W5                 37.5
         W6                  7.8
         YSXA                4.4
         ZL              1,766.7
         ZMXA                5.6
         04                  8.2
         07                  2.0
         08                  .1
DR AREA TOTAL           151,792.8
                                    PROPRIETARY-BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 780-7. Interstate-IntraLATA Mileage Summary Report - Data Analysis Information: TR-IR05

780.4.7 Corridor Special Service Detail Report - Data Analysis Information: TS-IR06S

This is an informational report, for special service circuits, which can be used to verify and/ or correct DR Circuit Type date for this type of service. Data is displayed under the same column headings as described in Section 7800.4.4.

```
                                         PROPRIETARY-BELLCORE AND AUTHORIZED CLIENTS ONLY

                                            * * *  B I S  -  D R P  -  T D I S  * * *
COMPANY:  CINCINATTI  (CB)                                                                                    RUNFOLDER:  YDTS780
REPORT:  TS-IR06S                                                                                             PROGRAM:  YDTS780   R-5.1
CREATE DATE:  01/01/90                                                                                        RUNDATE:  10/29/93  11.54.18
ADMIN AREA:  DL                          INTERSTATE-CR SPECIAL SERVICE CIRCUIT DETAIL REPORT                  PAGE:  1

                                                                                         CKT    CKT   CKT  CKT
     DR CKT                                                                             LATA   LATA   POP  POP
      TYPE            CIRCUIT IDENTIFICATION              CAC                             A      Z     A    Z
     ------  ---------------------------------------------  --------                 -----  -----  ---  ---


                                        DR     DR                                         FAC    FAC   FAC  FAC                 DR
         CABLE #/   LAST PAIR/  UNIT   CLASS  GROUP   FACILITY     FACILITY    SEQ   LATA   LATA   POP  POP   DR          AREA
         FAC DES    FAC GROUP   NUMBR  CODE   CODE   LOCATION A   LOCATION Z   CODE    A      Z     A    Z   AREA        MILES
        ----------  ----------  -----  -----  -----  -----------  -----------  ----  -----  -----  ---  ---  -----  --------------


     SPLCK     10/FDNT/12345                                SPL1111                  PA001  NJ002   N
        OC12          201       121W   MJ      I     CNDNNJAA     PHLAPALO      1    NJ002  PA001   N    N   PAPA            20.0
                                                                                                              NJ              20.0





                                            * * * * * *  END OF REPORT  * * * * * *
** MK4FT03  TYPE 0  END OF REPORT.                                                                                                 *****
```

Figure 780-8. Corridor Special Service Detail Report - Data Analysis Information: TS-IR06S

780.4.8 Corridor Message Circuit Detail Report - Data Analysis Information: TS-IR06M

This informational report, for message circuits, can be used in the same manner as the TS-IR06S report. Data is displayed under the same column headings as described in Section 780.4.4.

```
                                        * * *  B I S  -  D R P  -  T D I S  * * *
COMPANY: CINCINNATTI  (CB)                                                                  RUNFOLDER:  YDTS780
REPORT: TS-IR06M                                                                            PROGRAM:  YDTS780   R-5.1
CREATE DATE:  01/01/90                                                                       RUNDATE:  10/29/93  11.54.18
ADMIN AREA: DL                                INTERSTATE-CR  MESSAGE CIRCUIT DETAIL REPORT   PAGE:  1

          * * * * * *  CIRCUIT  IDENTIFICATION   * * * * * *                        CKT    CKT   CKT  CKT
     DR CKT  TRK      TRAFFIC      MESSAGE            MESSAGE                       LATA   LATA  POP  POP
      TYPE   NBR        ID        LOCATION A   PLSG  LOCATION Z     CAC             A      Z     A    Z
     ------  ----  -------------  -----------  ----  -----------  --------        -----  -----  ---  ---


                                    DR     DR                                      FAC    FAC   FAC  FAC              DR
         CABLE #/   LAST PAIR/  UNIT   CLASS  GROUP   FACILITY     FACILITY    SEQ  LATA   LATA  POP  POP  DR         AREA
         FAC DES    FAC GROUP   NUMBR  CODE   CODE   LOCATION A   LOCATION Z   CODE   A      Z     A    Z   AREA       MILES
        ----------  ----------  -----  -----  -----  -----------  -----------  ----  -----  -----  ---  ---  -----  --------------


     MSGK2   2709  DF55IE         ABLNTXORCMD   M-   ABLNTXOWDST  MEU6XZ4           NY552  NJ550   N    N
        183           T1        00005  K1      E    ABLNTXORCG0  ABLNTXOWDS0    1  TX550  TX550   N    N   TXDL            4.9
                                                                                                              AR22            2.0
     MSGK2   2706  DF55IE         CMDNNJORCGX   M-   PHILPAOWDST  MEU6XP4           NJ551  PA550   N    N
        183           T1        00005  K1      E    ABLNTXORCG0  ABLNTXOWDS0    1  TX550  TX550   N    N   TXDL            4.9
                                                                                                              AR22            2.0
     MSGK2   2718  DF55IE         DLLSTXRI01T   M-   DLLSTXRI01T  MEU6FT4           NY552  NJ550   N    N
        183           T1        00005  K1      E    ABLNTXORCG0  ABLNTXOWDS0    1  TX550  TX550   N    N   TXDL            4.9
                                                                                                              AR22            2.0
     MSGK2   2719  DF55IE         DLLSTXRI74X   M-   DLLSTXRI01T  MEU4FT4           NY552  NJ550   N    N
        183           T1        00005  K1      E    ABLNTXORCG0  ABLNTXOWDS0    1  TX550  TX550   N    N   TXDL            4.9
     MSGK2   2708  DF55IE         JSCYNJORCMD   M-   NYCYNYOW01T  MEU6XW4           NY552  NJ550   N    N
        183           T1        00005  K1      E    ABLNTXORCG0  ABLNTXOWDS0    1  TX550  TX550   N    N   TXDL            4.9
     MSGK2   2722  DF55IE         JSCYNJPOXMD   M-   NYCYNYPOXMD  MEX7FT5           NJ551  NY550   N    N
        183           T1        00005  K1      I    ABLNTXORCG0  ABLNTXOWDS0    1  TX551  TX550   N    N   TXDL            4.9
     MSGK2   2707  DF55IE         NYCYNYORCGX   M-   JSCYNJOWDST  MEU6XQ4           NY552  NJ550   N    N
        183           T1        00005  K1      E    ABLNTXORCG0  ABLNTXOWDS0    1  TX550  TX550   N    N   TXDL            4.9
                                                                                                              AR22            2.0
     MSGK2   2717  DF55IE         NYCYNYOR01T   M-   JSCYNJOW01T  MEU6FS4           NY552  NJ550   N    N
        183           T1        00005  K1      E    ABLNTXORCG0  ABLNTXOWDS0    1  TX550  TX550   N    N   TXDL            4.9
                                                                                                              AR22            2.0
                                              * * * * * *  END OF REPORT  * * * * * *
** MK4FT03  TYPE 0  END OF REPORT.                                                                                          *****
                                          PROPRIETARY-BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 780-9. Corridor Message Circuit Detail Report - Data Analysis Information: TS-IR06M

780.4.9 Corridor Mileage Summary Report - Data Analysis Information: TS-IR06

This summary report combines totals for both special service circuit miles (TS-IR06S report) and message circuit miles (TS-IR06M report). This report is printed with special service and message circuits counts even if only one of the details reports was requested.

```
                                    * * *  B I S  -  D R P  -  T D I S  * * *

COMPANY:  CINCINATTI  (CB)                                                    RUNFOLDER:  YDTS780
REPORT:  TS-IR06                                                              PROGRAM:  YDTS780   R-5.1
CREATE DATE:  01/01/90                                                        RUNDATE:  10/29/93  11.54.18
DR AREA :  NJ                        INTERSTATE CR  MILES MILEAGE SUMMARY REPORT   PAGE:  2


     DR CLASS CODE   DR AREA MILES
     -------------   -------------
         MJ                  20.0
DR AREA TOTAL                20.0

                                    PROPRIETARY-BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 780-10. Corridor Mileage Summary Report - Data Analysis Information: TS-IR06

780.4.10 Unidentified LATA Report: TS-IR07

This report reflects locations found in the TIRKS database but not found on the TDIS LATA table. These locations have been assigned the LATA number of XX999, where XX equals state. The report lists the location code and number of occurrences of that location. Data on this report may be used to update the TDIS LATA table.

```
                                    * * *  B I S  -  D R P  -  T D I S  * * *

COMPANY:  TDIS REL 5.0 TEST  (BC)                                          RUNFOLDER:  YDTS7800
REPORT:  TS-IR07                                                           PROGRAM:  YDTS780   R-5.0
CREATE DATE:  08/04/92                                                     RUNDATE:  01/07/93  09.43.31
                                          UNIDENTIFIED LATA REPORT         PAGE:  1


        LOCATION CODE          COUNT
        -------------          -----
                               1181
        ABC                       9
        ALBNYCNYF10              26
        ALTNILAL01T              40
        ALTNILAL06T              43
        ALXNVAXA                  2
        ALXNVAXADS0               2
        AMRLTXDR01T               1
        ANTOMO50                 66
        ANTOMO50WH8               6
        ANTOMO50948              44
        ATCYNJKB                 13
        BARNETTA003               1
        BARNETTZ003               1
        BASKNJ01                  9
        BETHMDBD                  1
        BETHMDBDCG0               2
        BETHMDBE                  1
        BETHMDBECG0               2
        BGBKILBKCG0               9
        BLDLMOHU483              13
        BLTMMDAA                  1
        BLTMMDDT                  4
        BLTMMDHM                  4
        BLTMMDLB                  4
        BLTMMDZZ                  1
        BLVLIL01322               2
        BLVLIL01828               2
        BLVLIL81                 39
        BLVLIL8105T             225
        BLVLIL811TB              86
        BLVLIL88746              84
        BRBNMOXA732               1
        BRIANA                   10
        BRIANZ                   10
        BRKNNY01ES1               1
        BSTNMAWA09T             109
        CDELEEUW123              10
        CDHLMO51                 20
        CHFDMO52                 55
        CHILL686AF               10
        CHMPILCP01T               1
        CHRLNCBO                  1
                                    PROPRIETARY-BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 780-11. Unidentified LATA Report: TS-IR07

780.4.11 Audit Report: TS-EDP

This report summarizes the input and output activity associated with the YDTS780 process. Major items and checks that should be made are as follows:

File Name, CPU and Control Date

These are the first items listed on this report. These should be reviewed to ensure the correct data was accessed for the process.

Circuit Details Records Read: File Header, by Type - Total Records Read

These counts should agree with the records written by the YDTS500 process.

```
                                        * * *  B I S  -  D R P  -  T / D I S  * * *
COMPANY:  CINCINATTI  (CB)                                                                  RUN FOLDER:  YDTS780
REPORT:  TS-EDP                                                                             PROGRAM:  YDTS780   R-5.1
CREATE DATE:  10/04/93                                                                      RUN DATE:  11/01/93 15.22.39
                                              EDP PROGRAM SUMMARY AND AUDIT REPORT          PAGE 1
                                         GENERATE THE NON-CONFORMING, INTERSTATE-INTRALATA,
                                              CORRIDOR AND UNIDENTIFIED LATA REPORTS

FILE NAME CPU  DATE
--------- ---  ----
 MCDFACID  CB 931004

                            7800
                             ID  X
                            ---- -
                                     1         2         3         4         5         6         7         8    ERROR
            CARD COLUMN     12345678901234567890123456789012345678901234567890123456789012345678901234567890   MESSAGE
                            7800 *

                                         CIRCUIT DETAIL RECORDS READ:
                                                          FILE HEADER (TYPE 0) =          1
                                                                      (TYPE 1) =     201535
                                                                      (TYPE 2) =     188788
                                                                      (TYPE 3) =      18705
                                         TOTAL RECORDS READ                       =     409029
                                         COMPANY OFFICIAL RECORDS BYPASSED        =       3723


    5A - INDICATED FIELD IS INVALID
    5B - REQUIRED FIELD IS MISSING
                                            * * * * * *  END OF REPORT  * * * * * *
                                                           PROPRIETARY
                                               BELLCORE AND AUTHORIZED CLIENTS ONLY
** MK4FT03  TYPE 0  END OF REPORT.                                                                                  *****
** MK4ED02  TYPE 0  REQUEST-SPLSVCA   REPORT-1  REQUESTOR ID-                                                      *****









                                                PROPRIETARY-BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 780-12. Audit Report: TS-EDP

780.5 Abnormal Termination

There are no specific condition codes associated with this procedure.

781. YDTS781 - Generate Circuit Equipment Termination Counts

As of TDIS Release 6.0, the YDTS781 procedure no longer exists — at this point the JOB will execute and work properly, but this run is no longer supported. If any future changes to TDIS affects this run, there will be no Hot Line support provided as of TDIS Release 6.0.

790. YDTS 790 - Generate Circuit and Class Code Activity Reports

790.1 General Description

This procedure provides Separations personnel with a method of analyzing changes in TIRKS data from month to month. This is accomplished by comparing circuits from two versions of the Merged Circuit Details Facility Length File (MCDFACID) produced by YDTS500. The reports generated can assist in evaluating changes in the Circuit Mileage Report, YDTS600. The data may be obtained at state or DR Area level, as described in the following paragraphs.

The **state-based circuit activity reports** display which circuits were added, deleted, or changed for the user-specified state and type of circuit (carrier, message, or special service). Class code circuit miles are not considered when processing the circuit activity state-based reports.

To generate this report, the program compares circuit records in the previous and current files to produce the report. Circuit records are only processed if they meet the user selection criteria specified from the on-line tables control panel for the states and type of circuits (carrier, message, special).

Only circuit locations, not facility record locations, are referenced when matching a circuit record to a state. The state code is the fifth and sixth positions of the COMMON LANGUAGE location. The primary circuit locations are part of the circuit identification for carrier and message circuits. If a carrier or message circuit is open ended the secondary locations are stored in fields call Location A2 and Location Z2. For special service circuits, the end points are stored in SS_LOCA, SS_LOCZ, Location A2 and Location Z2. These fields are checked when matching state codes.

If the Circuit ID only appears in the current file, the circuit was added. If the Circuit ID only appears in the previous file, the circuit was deleted. If the two Circuit IDs are equal but the state code has changed, the circuit is considered to have been deleted from the previous file and added to the current file. This is only possible for special service circuits where state codes are not part of the Circuit ID. The program will report this Circuit ID with the previous locations as a deleted circuit and with the current locations as an added circuit if these states were requested from the on-line tables control panel. If the Circuit ID appears in both file versions but the DR Circuit Type changed, the circuit is reported as changed.

> **NOTE —** An entry of ‘‘y’’ on the TDIS on-line table suppresses report of change when only Column 4 of the DR Circuit Type changes.

The **DR Area-based class code activity report** compares circuit class code/circuit miles on circuits in the previous and current files to report class code circuit miles changes by DR Area. Circuit records are processed if they meet the user selection criteria specified on the TDIS on-line table for the type of circuits and the DR Areas of the circuit facilities.

If a Circuit ID only appears in the current file and the current circuit status is ‘‘working’’ (W) with new class code miles in the requested DR Area, the added circuit and its class code circuit mileage additions will be reported.

If a Circuit ID only appears in the previous file and the previous circuit was ‘‘working’’ with class code circuit miles in the requested DR Area, the deleted circuit and class code mileage deletions will be reported.

If the Circuit ID is in both files but class code circuit mileage changes, the circuit and class code mileage changes will be reported for the requested DR area. The circuit is reported as changed because facility class code mileage changed on the circuit. Class code mileage for non-working circuits is usually, but not always, zero (e.g., class mileage may appear if only a subset of the total circuits involved changed status while others retained working status). A circuit can appear on multiple reports if the circuit contains class code mileage changes in more than one requested DR Area.

790.2 Program Flow Diagram

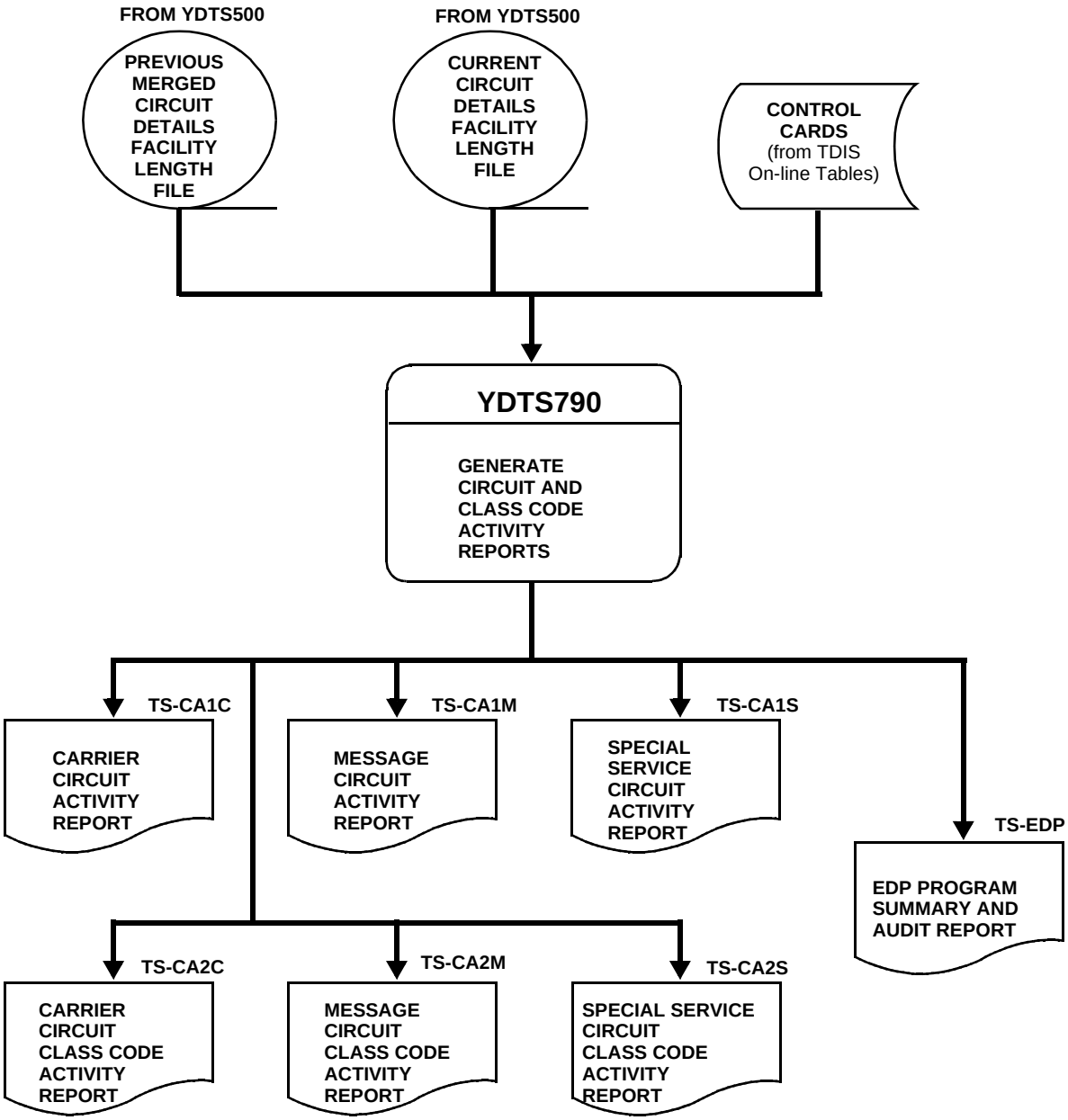


Figure 790-1. YDTS790 Program Flow Diagram

790.3 Inputs

790.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date the process is to be executed.
2. RUN SEQUENCING REQUIREMENT - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B contains job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of the person(s) to whom the processed reports are to be delivered.

> **NOTE —** Maintenance of the control cards for this procedure are now done by the TDIS Online Tables Update Facility (TDIS-TBL).

790.4 Outputs

790.4.1 General Description of Organization and Sort Routine for All Reports

The YDTS790 output shows all the printed circuit activity by state reports, followed by class code activity reports by DR Area reports, if both are requested.

- The circuit activity by state reports are sorted alphabetically by state. Within each requested state, the reports for carrier, message, and special service circuits are printed if requested on the CAS card.
- The class code activity by DR Area reports are sorted alphabetically by DR Area. Within each requested DR Area, the reports of carrier, message, and special service circuits are printed, if requested, on the CAD card.
- The carrier and special service circuit state and DR Area reports are sorted by the complete circuit ID in the COMMON LANGUAGE standard sequence of data elements.
- The message circuit state and DR Area reports are sorted by message trunk group ID data in the following sequence:

  LOCATION A, LOCATION Z, TRAFFIC TYPE IDENTIFICATION, AND PULSING.

Message circuit data is compressed to minimize the volume of data printed out. Trunk group compression is defined as follows:

- All contiguous message trunk circuits within a trunk group that have the same activity are compressed on the report. For each activity, only the first and last trunks are printed.
- The TGAC is shown once for each compressed trunk group.
- The printed DR CKT TYPE is only applicable to and shown on the first trunk of a reported grouping of circuits.

A trunk count of either TRUNKS ADDED = , TRUNKS DELETED =, or TRUNKS CHANGED = is printed below the last trunks of each compressed grouping.

On the class code activity reports by DR Area, the class code miles are accumulated and displayed once for each compressed trunk grouping.

All reports will contain the following header information:

- In the upper left-hand corner: company name, report name, and control date.

- In the upper right-hand corner: the run folder, program name/current TDIS release number, and actual run date. The TDIS release number will indicate when this process was last revised.

The title of the report will be ‘‘Carrier Circuit Activity Report’’, ‘‘Message Circuit Activity Report’’, or “Special Service Circuit Activity Report”, depending on which report(s) was requested.

790.4.2 Activity Reports by State: TS-CA1C, TS-CA1M, TS-CA1S

The following column headings and content apply to these three reports:

- ACTIVITY - ADD, DEL or CHG.
- PREV DR CKT TYPE - Previous five-character DR CKT Type Code.
- CURR DR CKT TYPE - Current five-character DR CKT Type Code. This will be populated if there has been a change in the current month’s data.
- CAC OR TGAC - CAC for Carrier or Special Service, TGAC for Message.
- Circuit ID - Complete COMMON LANGUAGE identification of the circuit.
- LOCATION A2 (FOR MESSAGE and CARRIER CKTS REPORTS ONLY) - Secondary originating location of the circuit.
- LOCATION A2 (FOR MESSAGE and CARRIER CKTS REPORTS ONLY) - Secondary terminating location of the circuit.
- LOCATION A (FOR SPECIAL SERVICE CKTS REPORTS ONLY) - Originating location of the circuit.
- LOCATION Z (FOR SPECIAL SERVICE CKTS REPORTS ONLY) - Terminating location of the circuit.

> **NOTE —** LOCATION A2 and LOCATION Z2 will appear on second line for special service circuits under the current headings of LOCATION A and LOCATION Z only if the circuit is open ended and the activity is an **ADD** or **CHG**.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                   RUN FOLDER: YDTS790
REPORT: TS-CA1C                                                                    PROGRAM: YDTS790     R-7.0
CONTROL DATE: 03/24/97                                                             RUN DATE:  05/08/97  11:08:08
                                             CARRIER CIRCUIT ACTIVITY REPORT       PAGE:         1

STATE CODE:  MO

                          PREV    CURR
                          DR CKT  DR CKT
                ACTIVITY  TYPE    TYPE      CAC         CIRCUIT ID                                    LOCATION A2  LOCATION Z2
                ========  ======  ======    ========    ============================================  ===========  ===========

                ADD               ZZZZZ     CMP4NE6     102  /T1    /PISCNJMT   /STLSMO03

                                  CARRIER CIRCUITS ADDED              =              1
                                  CARRIER CIRCUITS DELETED            =              0
                                  CARRIER CIRCUITS CHANGED            =              0
                                  NET CARRIER CIRCUIT GROWTH          =              1









                                    * * * * * *  END OF REPORT  * * * * * *
                                                 PROPRIETARY
                                      BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 790-2. Carrier Circuit Activity Report: TS-CA1C

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.0 ENVIRONMENT   ( CB )                                  RUN FOLDER: YDTS790
REPORT: TS-CA1M                                                                   PROGRAM: YDTS790     R-7.0
CONTROL DATE: 03/24/97                                                            RUN DATE:  05/08/97  12:00:10
                                          MESSAGE CIRCUIT ACTIVITY REPORT         PAGE:         1

STATE CODE:  MO

                     PREV    CURR
                     DR CKT  DR CKT                                                    NBR
          ACTIVITY   TYPE    TYPE      TGAC       CIRCUIT ID                          TRNKS  LOCATION A2  LOCATION Z2
          ========   ======  ======    ========   ==========================================  =====  ===========  ===========

          ADD                          AM000008   T120/DF44IT       /ALTNILAL06T/M-/STLSMO0924T       1
          ADD                          AM000165      5/FG31IT       /AMRLTXDR01T/MM/STLSMO0914T       1
          ADD                          AM000413   0201/DF55IE       /BLDLMOHU483/--/STLSMO051IB       1

                                    MESSAGE CIRCUITS ADDED              =             3
                                    MESSAGE CIRCUITS DELETED            =             0
                                    MESSAGE CIRCUITS CHANGED            =             0
                                    NET MESSAGE CIRCUIT GROWTH          =             3



                                  * * * * * *  END OF REPORT  * * * * * *
                                               PROPRIETARY
                                    BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 790-3. Message Circuit Activity Report: TS-CA1M

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - SYSTEST 6.0 ENVIRONMENT   ( CB )                          RUN FOLDER: YDTS790
REPORT: TS-CA1S                                                           PROGRAM: YDTS790     R-6.0
CONTROL DATE: 04/18/96                                                    RUN DATE:  04/24/96  15:33:14
                                          SPL SVC CIRCUIT ACTIVITY REPORT PAGE:         4

STATE CODE:  NJ

             PREV     CURR
             DR CKT   DR CKT
  ACTIVITY   TYPE     TYPE     CAC        CIRCUIT ID                                    LOCATION A    LOCATION Z
  ========   =====    =====    ========   ============================================  ===========   ===========

  ADD                AHC11    SMQ4HL5    01/HCGS/780321 001/NJ  /                      WHHSNJT4AMD   WHHSNJ20
                                                                                      WHHSNJT3AMD   WHHSNJT1AMD
  ADD                AHC11    SMQ4HL6    01/HCGS/780321 002/NJ  /                      WHHSNJT3AMD   WHHSNJ20
                                                                                      WHHSNJT4AMD
  ADD                AHC11    SMQ4HL7    01/HCGS/780321 003/NJ  /                      WHHSNJ20      WHHSNJT3AMD
                                                                                                    WHHSNJT4AMD
  ADD                ALG51    SMP4TJ6    01/LGGS/560934    /NJ  /A                     GTASNJCS      GTASNJCS
  ADD                ALG51    SMP4TJ7    01/LGGS/560934    /NJ  /B                     GTASNJCS      GTASNJCS
  ADD                ALG51    SMP4TJ8    01/LGGS/560934    /NJ  /C                     GTASNJCS      GTASNJCS
  ADD                ALG51    SMP4TJ9    01/LGGS/560934    /NJ  /D                     GTASNJCS      GTASNJCS
  ADD                ALG51    SMP4TL7    01/LGGS/561429    /NJ  /A                     GTASNJCS      GTASNJCS
  ADD                ALG51    SMP4TM2    01/LGGS/561429    /NJ  /B                     GTASNJDM      GTASNJDM
  ADD                ALG51    SMP4TM3    01/LGGS/561429    /NJ  /C                     GTASNJDM      GTASNJDM
  ADD                ALG51    SMP4TM4    01/LGGS/561429    /NJ  /D                     GTASNJDM      GTASNJDM
  ADD                ALG51    SMP4TM8    01/LGGS/561429    /NJ  /F                     PISCNJMT      PISCNJMT
  ADD                ALG51    SMP4TN2    01/LGGS/561429    /NJ  /G                     SMVLNJMT      SMVLNJMT
  ADD                ALG51    SMP4TN3    01/LGGS/561429    /NJ  /H                     SMVLNJMT      SMVLNJMT
  ADD                ALG51    SMP4TN4    01/LGGS/561429    /NJ  /N                     SMVLNJMT      SMVLNJMT
  ADD                ALG51    SMP4TL8    01/LGGS/561429    /NJ  /P                     GTASNJCS      GTASNJCS
  ADD                ALG51    SMP4TM5    01/LGGS/561429    /NJ  /X                     GTASNJDM      GTASNJDM
  ADD                ALG51    SMP4TL9    01/LGGS/561429    /NJ  /1                     GTASNJCS      GTASNJDM
  ADD                ALG51    SMP4TM6    01/LGGS/561429    /NJ  /2                     GTASNJCS      PISCNJMT
  ADD                ALG51    SMP4TM9    01/LGGS/561429    /NJ  /3                     PISCNJMT      SMVLNJMT
  ADD                ALG51    SMP4TN5    01/LGGS/561429    /NJ  /4                     SMVLNJMT      STLSMO01
  ADD                ALG51    SMP4TP8    01/LGGS/561937    /NJ  /A                     PISCNJMTK01   PISCNJMTK01
  ADD                ALG51    SMP4TP9    01/LGGS/561937    /NJ  /B                     PISCNJMTK01   PISCNJMTK01
  ADD                ALG51    SMP4TQ2    01/LGGS/561937    /NJ  /D                     PISCNJMTK01   PISCNJMTK01
  ADD                ALG51    SMP4TQ8    01/LGGS/561937    /NJ  /H                     PISCNJMTK01   PISCNJMTK01
  ADD                ALG51    SMP4TQ9    01/LGGS/561937    /NJ  /I                     PISCNJMTK01   PISCNJMTK01
  ADD                ALG51    SMP4TR2    01/LGGS/561937    /NJ  /J                     PISCNJMTK01   PISCNJMTK01
  ADD                ALG51    SMP4TQ4    01/LGGS/561937    /NJ  /X                     PISCNJMTK01   PISCNJMTK01
  ADD                ALG51    SMP4TQ5    01/LGGS/561937    /NJ  /Y                     PISCNJMTK01   PISCNJMTK01
  ADD                ALG51    SMP4TQ6    01/LGGS/561937    /NJ  /Z                     PISCNJMTK01   PISCNJMTK01
  ADD                ALG51    SMP4TQ3    01/LGGS/561937    /NJ  /1                     PISCNJMTK01   PISCNJMTK01
  ADD                ALG51    SMP4TQ7    01/LGGS/561937    /NJ  /2                     PISCNJMTK01   PISCNJMTK01
  ADD                ALG51    SMP4TX6    01/LGGS/564196    /NJ  /A                     STLSMO01      WHHSNJT1
  ADD                ALG51    SMP4TX8    01/LGGS/564196    /NJ  /B                     STLSMO01      WHHSNJT3


                                                PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 790-4. Special Service Circuit Activity Report: TS-CA1S

790.4.3 Activity Reports by DR Area: TS-CA2C, TS-CA2M, TS-CA2S

In addition to containing the columns listed in Section 790.4.2, these reports will also contain the following:

- FROM CLASS CODE - Previous month's value.
- TO CLASS CODE - Current month's value, indicating a change in the data.
- FROM GROUP CODES -Previous month's value. Only the first 4 Group Codes will be displayed.
- TO GROUP CODES -Current month's value, indicating a change in the data. Only the first 4 Group Codes will be displayed.
- FROM CIRCUIT MILES - Previous month's facility length.
- TO CIRCUIT MILES - Current month's value, indicating a change in the data.

The last page of each Activity Report by DR Area will contain a summary of the activity that occurred. This report will list the number of circuits added, deleted, and/or changed, as well as any associated mileage changes and the net growth. Also provided is a summary of mileage changes by DR Class Code. This information may be useful when analyzing the shifts on the YDTS600 1024 Report.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CB )                                   RUN FOLDER: YDTS790
REPORT: TS-CA2C                                                                    PROGRAM: YDTS790     R-7.1
CONTROL DATE: 05/10/97                                                             RUN DATE:  10/15/97  15:49:05
                                    CARRIER CIRCUIT CLASS CODE ACTIVITY REPORT      PAGE:         1
DR AREA: MO**

                          PREV    CURR
                          DR CKT  DR CKT
ACTIVITY                  TYPE    TYPE      CAC         CIRCUIT ID                                          LOCATION A2  LOCATION Z2
========                  ======  ======    ========    ==========================================  ==========  ==========
                          CLASS   FIRST 4     CIRCUIT       CLASS  FIRST 4      CIRCUIT       CLASS  FIRST 4      CIRCUIT
                          CODE    GRP CODES   MILES         CODE   GRP CODES    MILES         CODE   GRP CODES    MILES
                          =====   ==========  ============  =====  ==========   ============  =====  ==========   ============

ADD                        CXRXA     CMP4PK7     292  /T4X   /ARTNVAAR   /FLCHVAFC
   ADD       XA     I                    7.80
ADD                        CXRXA     CMP4PK8     293  /T4X   /ARTNVAAR   /SLSPMDSS
   ADD       XA     I                    6.30
ADD                        CXRXA     CMP4PK6     291  /T4X   /ARTNVAAR   /WASHDCXK
   ADD       XA     E                    5.00
ADD                        CXRXA     CMP4PK9     294  /T4X   /SLSPMDSS   /WASHDCXE
   ADD       XA     I                   12.00
ADD                        CXRXA     CMP4TW5     295  /T1    /WASHDCXD   /WASHDCXDW99
   ADD       XA     I                    .50
ADD                        CXRXA     CMP4TV9    1175 /T1    /WASHDCXD   /WASHDCXEDC0          WASHDCXT
   ADD       XA     E                   70.40
ADD                        CXRXA     CMP4QZ7    1130 /T1    /WASHDCXDW99/WASHDCXE             WASHDCXTW99  WASHDCXB
   ADD       XA     E  I               124.10
ADD                        CXRXA     CMP4RG6    1171 /T1    /WASHDCXDW99/WASHDCXE             WASHDCXTW99
   ADD       XA     E                   70.40
ADD                        CXRXA     CMP4RH5    1172 /T1    /WASHDCXDW99/WASHDCXE             WASHDCXTW99
   ADD       XA     E                   70.40
ADD                        CXRXA     CMP4SC2    1173 /T1    /WASHDCXDW99/WASHDCXE             WASHDCXTW99
   ADD       XA     E                   70.40
ADD                        CXRXA     CMP4SC3    1174 /T1    /WASHDCXDW99/WASHDCXE             WASHDCXTW99
   ADD       XA     E                   70.40




                                          PROPRIETARY
                                  BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 790-5. Carrier Class Code Activity Report: TS-CA2C

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CB )                                  RUN FOLDER: YDTS790
REPORT: TS-CA2M                                                                   PROGRAM: YDTS790     R-7.1
CONTROL DATE: 05/10/97                                                            RUN DATE:  10/15/97  15:49:05
                                    MESSAGE CIRCUIT CLASS CODE ACTIVITY REPORT     PAGE:         2
DR AREA: MO**

                    PREV    CURR                                                                    NBR
          ACTIVITY  DR CKT  DR CKT      TGAC       CIRCUIT ID                                      TRNKS  LOCATION A2  LOCATION Z2
          ========  ======  ======    ========   ============================================    =====  ===========  ===========
                    CLASS  FIRST 4      CIRCUIT       CLASS  FIRST 4      CIRCUIT       CLASS  FIRST 4      CIRCUIT
                    CODE   GRP CODES    MILES         CODE   GRP CODES    MILES         CODE   GRP CODES    MILES
                    =====  ==========  ============  =====  ==========  ============  =====  ==========  ============

          CHG       MSGIS   MSGIS     AJ667788    1101/FG55IE       /DALLTXSO   /MM/HOUSTXSO           1
              TO    QQ                        105.00  K2

   (PAGE BREAK)

          CHG       MSGIS   MSGIS     AJ667788    1101/FG55IE       /DALLTXSO   /MM/HOUSTXSO           1  WASHDCXGW99
              FROM  QQ                        100.00  K2                          5.00


   (PAGE BREAK)

                                    TOTAL MESSAGE CIRCUITS ADDED              =          37
                                    TOTAL MESSAGE MILES ADDED                 =       2,604.80
                                    TOTAL MESSAGE CIRCUITS DELETED            =           0
                                    TOTAL MESSAGE MILES DELETED               =           0.00
                                    TOTAL MESSAGE CIRCUITS CHANGED            =           1
                                    TOTAL MESSAGE CIRCUITS GROWTH             =          37
                                    TOTAL MESSAGE MILES CHANGED               =          10.00
                                    TOTAL MESSAGE MILEAGE GROWTH AMONG CHANGE =           0.00
                                    NET MESSAGE MILEAGE GROWTH                =       2,604.80

                                         MESSAGE MILEAGE GROWTH BY CLASS CODES

                               K2   = (          5.00)  QQ   =        2,609.80









                                   * * * * * *  END OF REPORT  * * * * * *
                                                PROPRIETARY
                                     BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 790-6. Message Class Code Activity Report: TS-CA2M

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CB )                                  RUN FOLDER: YDTS790
REPORT: TS-CA2S                                                                   PROGRAM: YDTS790     R-7.1
CONTROL DATE: 05/10/97                                                            RUN DATE:  10/15/97  15:49:05
                                      SPL SVC CIRCUIT CLASS CODE ACTIVITY REPORT   PAGE:         1
DR AREA: MO**

             PREV     CURR
             DR CKT   DR CKT
 ACTIVITY    TYPE     TYPE     CAC        CIRCUIT ID                                  LOCATION A    LOCATION Z
 ========    =====    =====    ========   ==========================================  ==========    ==========
                              CLASS  FIRST 4      CIRCUIT       CLASS  FIRST 4      CIRCUIT       CLASS  FIRST 4      CIRCUIT
                              CODE   GRP CODES    MILES         CODE   GRP CODES    MILES         CODE   GRP CODES    MILES
                              =====  ===========  ============  =====  ===========  ============  =====  ===========  ============

 CHG         AHC11    AHC11    SMP4RZ6    99/HCGS/104151    /DC  /                    WASHDCXDW99   WASHDCXF
                                                                                      WASHDCXGW99
    TO                        QQ     E  I              334.90
 CHG         AHC11    AHC11    SMP4RZ7    99/HCGS/104152    /DC  /                    WASHDCXDW99   WASHDCXF
                                                                                      WASHDCXGW99
    TO                        QQ     E  I              334.90
 CHG         AHC11    AHC11    SMP4SA2    99/HCGS/150105    /DC  /                    WASHDCXGW99   WASHDCXF
                                                                                      WASHDCXDW99
    TO                        QQ     E  I              334.90
 CHG         AHC11    AHC11    SMP4SA3    99/HCGS/150106    /DC  /                    WASHDCXGW99   WASHDCXF
                                                                                      WASHDCXDW99
    TO                        QQ     E  I              334.90




                                                PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure 790-7. Special Service Class Code Activity Report: TS-CA2S

790.4.4 Audit Report: TS-EDP

This audit report summarizes the input and output activity of the YDTS790 process. This section lists the major items on the report and the checks that should be made.

The first section of the Audit Report displays the data contained on any CAS and CAD cards that were input, as well as any message codes associated with the process. The CAS and CAD information should be verified against the original transmittal form for completeness and accuracy. The following message codes may be encountered:

5A - Indicated Field Is Invalid
The data in question will be underlined to assist the user in initiating necessary corrections.

5B - Required Field Is Missing
The input card is lacking data necessary to initiate the process. A corrected input card is required to restart the process.

5E - Spaces Between or After Fields Must Be Blank
The fields on the input card were not populated correctly. A corrected input card is required.

5M - Duplicate Request Invalid
The user has entered two identical CAS or CAD cards.

5N - Request Limit Exceeded
Input of more than one CAS or CAD cards was attempted. A corrected transmittal is required to restart the process.

7A - At Lease One Valid State Code with a Report Request Must Be Supplied
No state code was entered on the CAS input card. Corrected cards are required to restart the process.

7B - At Lease One Valid DR Area Code with a Report Request Must Be Supplied.
No DR Area code was entered on the CAD input card. Corrected cards are required to restart the process.

The second section (page) of the EDP report will contain the following:

Activity Report Requested Cards: Read, Accepted, Rejected

Merged Circuit Details Records Read: Type, Circuit, Facility And Total

Activity Log Records Written
This value should always be two.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: CINCINATTI   ( CB )                                                                    RUN FOLDER: YDTS790
REPORT: TS-EDP                                                                                  PROGRAM: YDTS790     R-5.1
CONTROL DATE: 10/04/93                                                                          RUN DATE:  10/28/93  10:23:16
                                           EDP PROCESSING AND SUMMARY                           PAGE:         2
                                          GENERATE CIRCUIT ACTIVITY REPORTS

                                    STATE AND DR AREA CARDS VALIDATION REPORT
                                            1         2         3         4         5         6         7         8
                                   12345678901234567890123456789012345678901234567890123456789012345678901234567890
                                   790A
                                   CAS  C STCMS STCMS STCMS STCMS STCMS STCMS STCMS STCMS STCMS STCMS STCMS
                                   ---- - ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----
                                   790B
                                   CAD  DR      DR      DR      DR      DR      DR      DR      DR      DR           ERROR
                                   ID   AREACMS AREACMS AREACMS AREACMS AREACMS AREACMS AREACMS AREACMS AREACMS      MESSAGES
                                   ---- ------- ------- ------- ------- ------- ------- ------- ------- -------      ----------

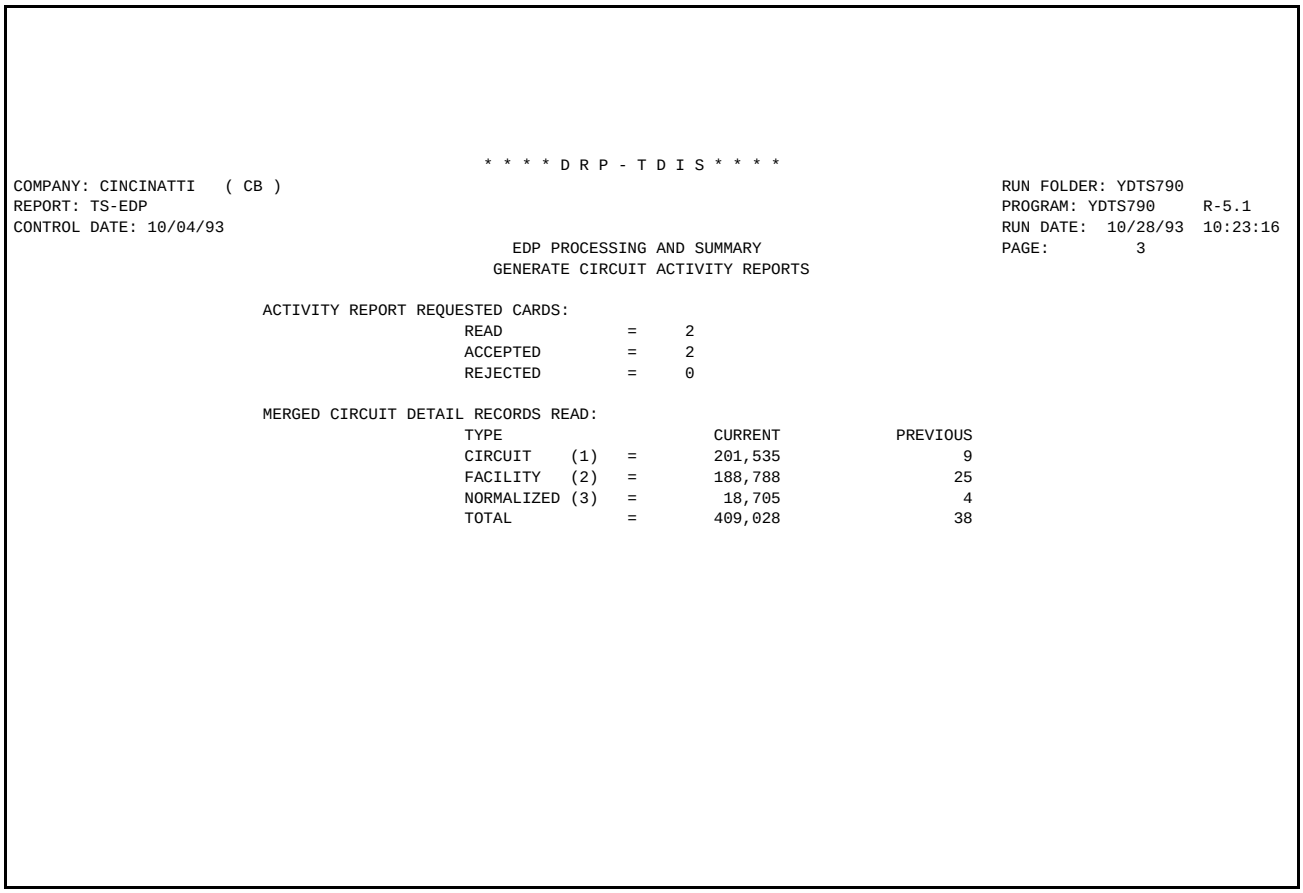
                                   790A Y OHYYY KYYYY CKYYY CHYYY


                                   790B OH**YYY KY**YYY CH**YYY CK**YYY




MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID
   5B - REQUIRED FIELD IS MISSING
   5E - SPACES BETWEEN OR AFTER FIELDS MUST BE BLANK
   5M - DUPLICATE REQUEST INVALID
   5N - REQUEST LIMIT EXCEEDED
```

Figure 790-8. Audit Report for YDTS790: TS-EDP - Generate Circuit and Class Code Activity Reports (Example 1)



```
                                    * * * * D R P - T D I S * * * *
COMPANY: CINCINATTI   ( CB )                                                RUN FOLDER: YDTS790
REPORT: TS-EDP                                                              PROGRAM: YDTS790     R-5.1
CONTROL DATE: 10/04/93                                                      RUN DATE:  10/28/93  10:23:16
                                       EDP PROCESSING AND SUMMARY           PAGE:         3
                                      GENERATE CIRCUIT ACTIVITY REPORTS

                      ACTIVITY REPORT REQUESTED CARDS:
                                          READ             =     2
                                          ACCEPTED         =     2
                                          REJECTED         =     0

                      MERGED CIRCUIT DETAIL RECORDS READ:
                                          TYPE                      CURRENT            PREVIOUS
                                          CIRCUIT    (1)   =        201,535                   9
                                          FACILITY   (2)   =        188,788                  25
                                          NORMALIZED (3)   =         18,705                   4
                                          TOTAL            =        409,028                  38
```

Figure 790-9. Audit Report for YDTS790: TS-EDP - Generate Circuit and Class Code Activity Reports (Example 2)

790.5 Abnormal Termination

The following conditions will result in termination of the process:

Condition Code 2007 - No header record found for file name
This could result from improper sort of data, the program not starting at the first tape, the prior program not completing correctly, or other processing malfunctions.

Condition Code 2009 - Invalid header record found on file name.
This could be a mismatch on CPU ID. A corrected input card is necessary to restart the process.

Condition Code 2012 - Illegal Condition Code returned from the PL/I sort routine.
This condition code indicates that the value input on the transmittal did not appear on the internal table of valid DBOs. Correct the transmittal and resubmit.

Condition Code 2013 - Internal Table Limit Exceeded.
Number of class codes present exceeds 20.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE
The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

Condition Code 2043 - If an input card has invalid field (code 5A), missing (code 5B) data, space field not blank (code 5E), duplicate (code 5M), or limit exceeded (code 5N), the run is terminated with a condition code of 2043 and the TS-EDP report is produced showing the error message ‘‘Input requests missing or invalid. Processing Terminated’’.

R01. YDTSR01 - Generate Circuit Equipment Termination Counts

R01.1 General Description

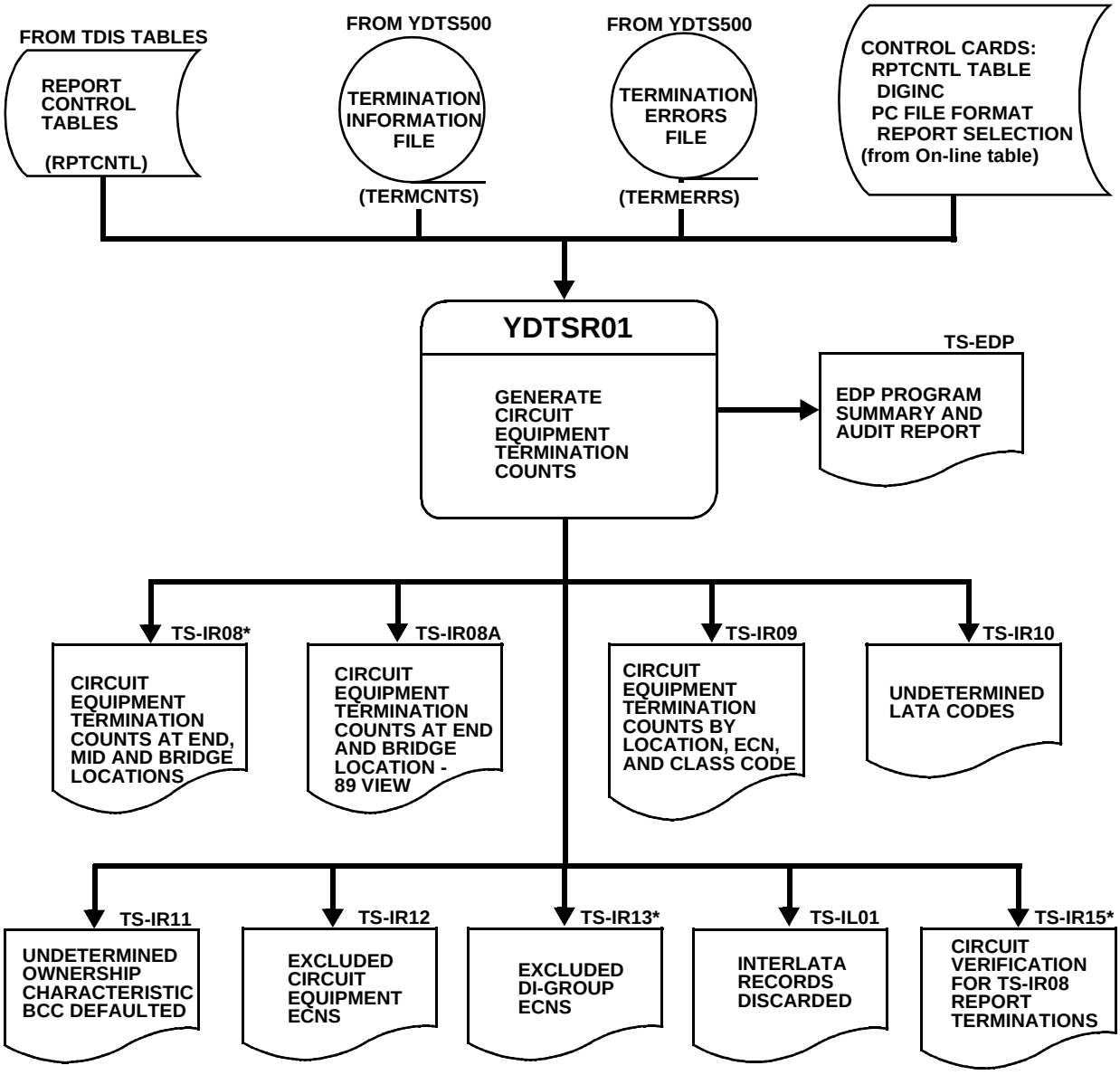
This procedure generates circuit termination reports for input to the monthly separations process to apportion Circuit Equipment investment. The Termination Information File (TERMCNTS) from YDTS500, the Termination Error File (TERMERRS) from YDTS500 and the Report Control Table File (RPTCNTL) provide the source data used to generate these reports.

Via inputs from the TDIS On-Line Tables (TDIS-TBL) Control Card panels, the user can:

- Select which reports are to be produced.
- Include or exclude digital interfaces (channel bank ECNs other than 801 through 899).
- Control the report formats.

In addition to the circuit termination reports necessary for monthly input, various analysis/ verification reports are also available to the user.

R01.2 Program Flow Diagram



* Impacted by DIGINC parameters

Figure R01-1. YDTSR01 Program Flow Diagram

R01.3 Inputs

R01.3.1 Transmittal to Request the Run

The following information must be included on the transmittal form:

1. RUN DATE - Specify the date this procedure is to be executed.
2. RUN SEQUENCING INFORMATION - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B contains job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of person(s) to whom the processed reports are to be delivered.

> **NOTE —** Maintenance of the control card for this procedure is now done by the TDIS Online Tables Update Facility (TDIS-TBL).

R01.4 Outputs

R01.4.1 Circuit Equipment Termination Counts at End, Mid, and Bridge Locations: TS-IR08

The TS-IR08 report generation parameter must be populated with "**Y**" in the TDIS On-Line Table Update Facility (TDIS-TBL) to generate this report.

This report provides the termination counts (END, MID, and BRIDGE) by Study Area and Class Code as well as report line number if a REPORT CONTROL TABLE name was specified on the YDTSR01 Control Card panel of the TDIS On-Line Table Update Facility (TDIS-TBL). This data is used to apportion the circuit equipment investment on a monthly basis.

If a report control table is specified on the control card panel, the line number and description in that table will be printed on this report for all class codes specified in the table. Any termination counts encountered that do not correspond to a class code in the table will be listed at the end of the report without line and description information. This data may be used to determine if corrections to the report control table should be made. Some companies may not include on class codes on a specific table. Therefore, this data may or may not indicate table errors.

It is not necessary to specify a report control table. If a report control table is not specified on the control card panel, the termination counts will be listed only with the associated class codes.

The last page of each DR Study Area contains the total number of terminations within that DR Study area. A grand total of all DR Study Areas is listed on the last page of the report.

The report heading will contain the following information:

- In the upper left-hand corner: company name, report name, control date, and specific DR Study Area.
- In the upper right-hand corner: the run folder, program name/TDIS release number, run date and page number.

The report title will be ‘‘Circuit Equipment Termination Counts At End, Mid, and Bridge Locations’’, and will indicate either “(Includes Digital)” or “(Does Not Include Digital)”.

The description and contents of the column headings are as follows:

The first column does not have a heading, but reflects "TERMTYPE TOTAL" for each termination type within a class code, "CC TOTAL" for each class code,"RC-DESC TOTAL" for each Report Control Description for all class codes associated with the indicated description, and "RC-LINE TOTAL" for each Report Control Line Number for all class codes associated with the indicated line number. The "RC-LINE TOTAL" may have its own description as specified in the report control table.

The other column headings are as follows:

- LINE - The line number associated with the class code as specified in the requested report control table.
- DESCRIPTION - The exact description associated with the class code as specified in the requested report control table.
- CLASS CODE - The class codes associated with the line number, description, and the type of termination, i.e., END, MID, BRG.
- EQUIPMENT TERMINATION COUNT - The number of terminations having the class code listed in the previous column. If digital interfaces are included, then the type of termination (CHAN - Channel, T/S - Term and Signal) associated with each termination count is also provided.
- CIRCUIT COUNT - The number of circuits that have terminations for the specific class code. This is not an exact count because when a circuit has more than one class code, the count is assigned to the first class code.
- EQUIPMENT TERMINATIONS PER CIRCUIT - This is a computed ratio of terminations to circuits.

If a report control table name is not specified on the control card panel, the same information will be provided, but the line number and description are blank.

COMPANY: TEST CB REL 5.3 UNIT TEST (CB)
REPORT: TS-IR08
CONTROL DATE: 10/04/93
DR STUDY AREA: KY

RUN FOLDER: YDTSR01
PROGRAM: YDTSR01 R-5.3
RUN DATE: 12/09/94 10:42:27
PAGE: 2

CIRCUIT EQUIPMENT TERMINATION COUNTS
AT END, MID AND BRIDGE LOCATIONS
(INCLUDES DIGITAL)

	LINE	DESCRIPTION	CLASS CODE		EQUIPMENT TERMINATION COUNT		CIRCUIT COUNT	EQUIPMENT TERMINATIONS PER CIRCUIT
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	945	CHAN DBH	161	
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	16	CHAN DCT1		
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	208	CHAN DCT2		
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	912	CHAN DCT3	82	
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	90	CHAN DFI		
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	1,140	CHAN DI2		
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	9	CHAN D3A	9	
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	4	CHAN D4A1		
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	1	CHAN D4A2		
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	226	CHAN D4A3D	82	
CC TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ		3,551		334	10.63
RC-DESC TOTAL	008	MESSAGE JOINT RA+ER+CR			3,551		334	10.63
RC-LINE TOTAL	008	IX MILES MSG ST SHR			3,551		334	10.63
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	48	CHAN DBH		
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	48	CHAN DCT2		
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	144	CHAN DFI		
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	1	CHAN D3A	1	
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	7	CHAN D4A1		
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	2	CHAN D4A2		
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	3	CHAN D4A3	1	
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	4	CHAN D4B1	2	
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	2	CHAN D4B2		
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	10	CHAN D4B3	1	
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	1	T/S		
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	MID	32	CHAN DAC2	2	
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	MID	1	CHAN D4B1		
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	MID	1	CHAN D4B3		
CC TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA		304		7	43.42

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Figure R01-2. Circuit Equipment Termination Counts at End, Mid, and Bridge (DIGINC= “Y”) Locations: TS-IR08

R01.4.2 Circuit Equipment Termination Counts at End and Bridge Locations - 1989 View: TS-IR08A

The TS-IR08A report generation parameter must be populated with "**Y**" in the TDIS On-Line Table Update Facility (TDIS-TBL) to generate this report. This report was developed to meet the 1989 FCC ruling that eliminated the count of midpoints from the termination counts.

The report heading and columns on the TS-IR08A are the same as described for the TS-IR08 report except that the type of termination (CHAN - Channel, T/S - Terminate and Signal) associated with each termination count is also provided. Digital interfaces are included, regardless of DIGINC parameter.

A file containing the same data as this report can be produced to be downloaded to a PC by requesting so via the TDIS On-Line Table Update Facility. The file can be generated in a Lotus or a STND (standard) format. (Appendix H contains a comparison of the IR08 and IR08A Reports.)

COMPANY: TEST CB REL 5.3 UNIT TEST (CB)
REPORT: TSIR08A
CONTROL DATE: 10/04/93
DR STUDY AREA: KY

RUN FOLDER: YDTSR01
PROGRAM: YDTSR01 R-5.3
RUN DATE: 12/09/94 10:42:27
PAGE: 2

CIRCUIT EQUIPMENT TERMINATION COUNTS
AT END AND BRIDGE LOCATIONS - 89 VIEW

	LINE	DESCRIPTION	CLASS CODE		EQUIPMENT TERMINATION COUNT		CIRCUIT COUNT	EQUIPMENT TERMINATIONS PER CIRCUIT
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	945	CHAN DBH	169	
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	16	CHAN DCT1	4	
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	208	CHAN DCT2		
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	912	CHAN DCT3	97	
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	90	CHAN DFI		
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	1,140	CHAN DI2		
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	9	CHAN D3A	9	
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	4	CHAN D4A1	2	
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	1	CHAN D4A2		
TERMTYPE TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ	END	226	CHAN D4A3D	82	
CC TOTAL	008	MESSAGE JOINT RA+ER+CR	MJ		3,551		363	9.78
RC-DESC TOTAL	008	MESSAGE JOINT RA+ER+CR			3,551		363	9.78
RC-LINE TOTAL	008	IX MILES MSG ST SHR			3,551			
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	48	CHAN DCT2		
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	144	CHAN DFI		
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	1	CHAN D3A	1	
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	7	CHAN D4A1	4	
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	2	CHAN D4A2		
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	3	CHAN D4A3	1	
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	4	CHAN D4B1	3	
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	2	CHAN D4B2		
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	10	CHAN D4B3	2	
TERMTYPE TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA	END	1	T/S		
CC TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR	MA		270		11	24.54
RC-DESC TOTAL	009	MESSAGE CCSA OPEN INTERSTATE CR			270		11	24.54
RC-LINE TOTAL	009	IX MILES MSG COCF JT			270		11	24.54

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**** END OF REPORT - TSIR08A ****

Figure R01-3. Circuit Equipment Termination Counts at End and Bridge Locations - 1989 View: TS-IR08A

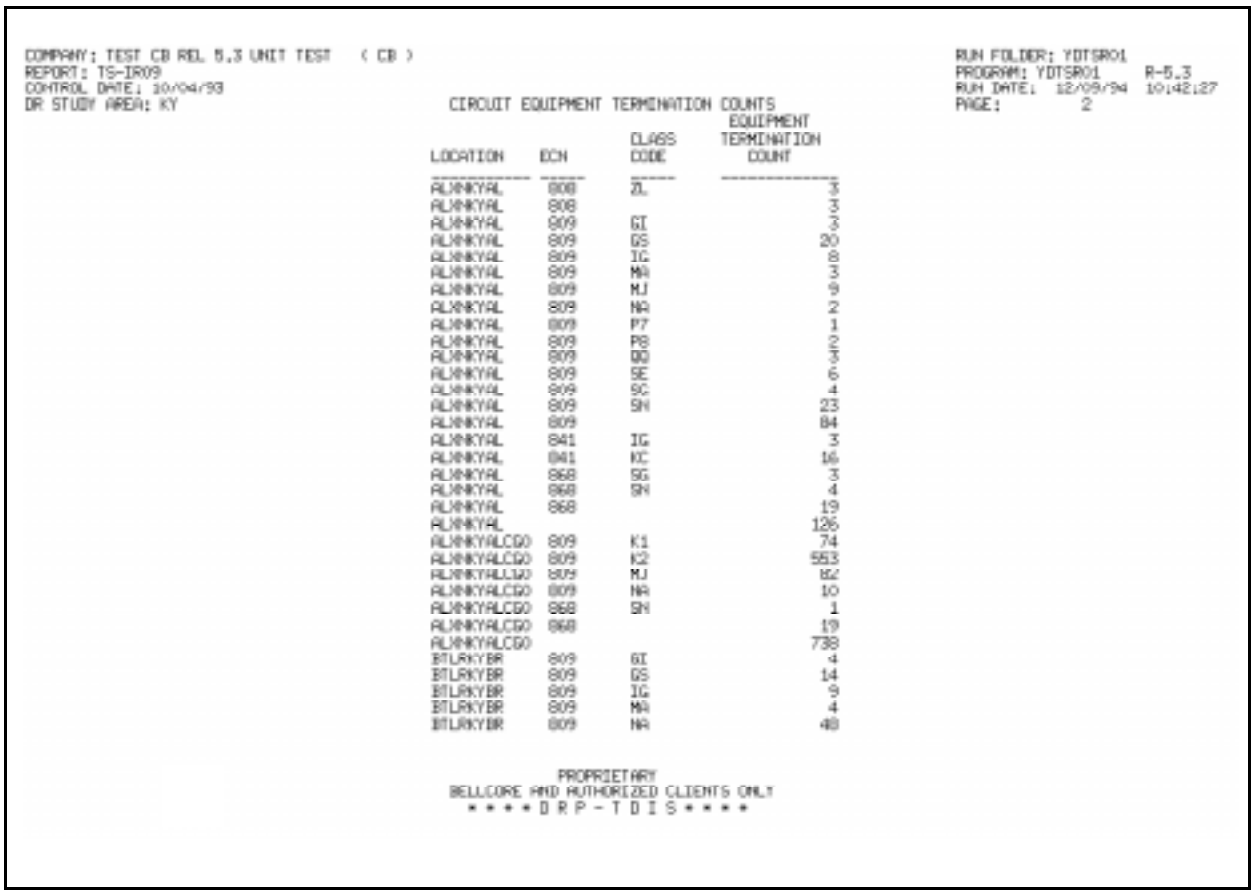
R01.4.3 Circuit Equipment Termination Counts by Location, ECN, and Class Code: TS-IR09

The TS-IR09 report generation parameter must be populated with "**Y**" in the TDIS On-Line Table Update Facility (TDIS-TBL) to generate this report.

This report will provide a detailed listing of all ECNs encountered by location. The report will reflect the Class Code, Count of Terminations by Class Code, and total terminations at each location.

Digital interfaces are included, regardless of DIGINC parameter.

> **NOTE —** Because this report has the capability of generating large volumes of paper, the value of requesting this report on a monthly or periodic basis should be judged based on specific company requirements.



COMPANY: TEST CB REL 5.3 UNIT TEST (CB)
REPORT: TS-IR09
CONTROL DATE: 10/04/93
DR STUDY AREA: KY

RUN FOLDER: YDTSR01
PROGRAM: YDTSR01 R-5.3
RUN DATE: 12/09/94 10:42:27
PAGE: 2

CIRCUIT EQUIPMENT TERMINATION COUNTS

LOCATION	ECN	CLASS CODE	EQUIPMENT TERMINATION COUNT
ALNNKYAL	808	ZL	3
ALNNKYAL	808		3
ALNNKYAL	809	GI	3
ALNNKYAL	809	GS	20
ALNNKYAL	809	IG	8
ALNNKYAL	809	MA	3
ALNNKYAL	809	MJ	9
ALNNKYAL	809	NA	2
ALNNKYAL	809	P7	1
ALNNKYAL	809	P8	2
ALNNKYAL	809	QQ	3
ALNNKYAL	809	SE	6
ALNNKYAL	809	SC	4
ALNNKYAL	809	SN	23
ALNNKYAL	809		84
ALNNKYAL	841	IG	3
ALNNKYAL	841	KC	16
ALNNKYAL	868	SG	3
ALNNKYAL	868	SN	4
ALNNKYAL	868		19
ALNNKYAL			126
ALNNKYALCGO	809	K1	74
ALNNKYALCGO	809	K2	553
ALNNKYALLWO	809	MJ	62
ALNNKYALCGO	809	NA	10
ALNNKYALCGO	868	SN	1
ALNNKYALCGO	868		19
ALNNKYALCGO			738
BTLRKYBR	809	GI	4
BTLRKYBR	809	GS	14
BTLRKYBR	809	IG	9
BTLRKYBR	809	MA	4
BTLRKYBR	809	NA	48

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* * * * D R P - T D I S * * * *

Figure R01-4. Circuit Equipment Termination Counts by Location, ECN, and Class Code: TS-IR09

R01.4.4 Undetermined LATA Codes: TS-IR10

The TS-IR10 report generation parameter must be populated with "**Y**" in the TDIS On-Line Table Update Facility (TDIS-TBL) to generate this report.

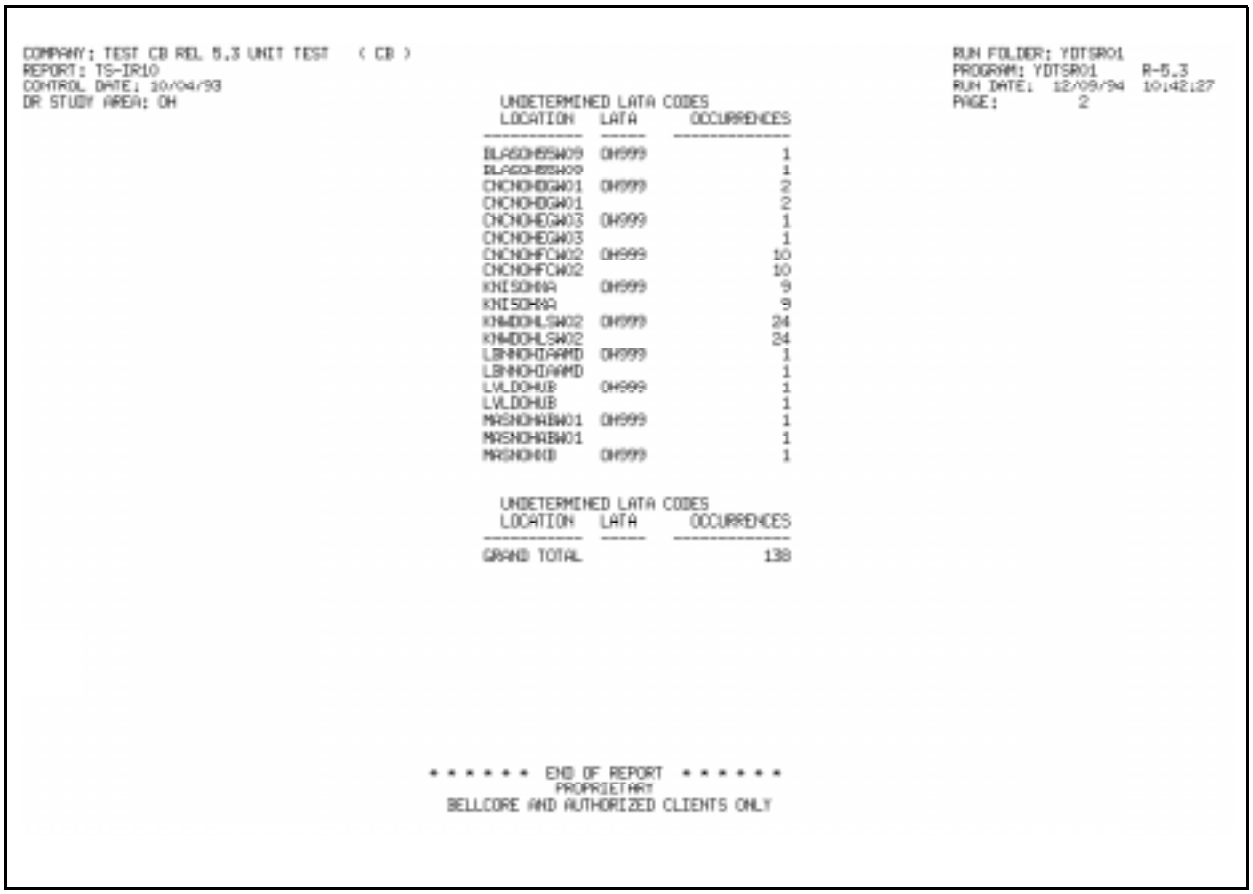
This report will list those locations found in the TIRKS data that were not included on the TDIS LATA table. When this situation occurs, TDIS will generate a default LATA number of 999 preceded by the two-character state abbreviation. The determination of interLATA versus intraLATA cannot be made for these circuits, and they are not included in the termination counts.

For all locations listed on the TS-IR10 report, the proper LATA code must be determined and populated in the TDIS LATA table. Once this has been accomplished, TDIS should be reprocessed beginning with the YDTS300 process to generate a new termination count report for use in monthly apportionment of circuit equipment.

There are three columns of data on this report:

- LOCATION - The location that was not included on the LATA table.
- LATA - This field will be blank or 999 preceded by the state code, i.e., MO999 indicates a location in Missouri that was not on the LATA table.
- OCCURRENCES - This indicates the number of times this location was found in the database.

> **CAUTION —** There are instances when locations are created in the TIRKS system for use in testing new circuit designs and/or inventory procedures. These are not ‘‘valid’’ locations and should not have a LATA number that would incorrectly direct this data to the termination report. The local network organization can provide assistance in determining if a location has been created strictly for ‘‘test’’ purposes.



COMPANY: TEST CB REL 5.3 UNIT TEST (CB)
REPORT: TS-IR10
CONTROL DATE: 10/04/93
DR STUDY AREA: OH

RUN FOLDER: YDTSR01
PROGRAM: YDTSR01 R-5.3
RUN DATE: 12/09/94 10:42:27
PAGE: 2

UNDETERMINED LATA CODES

LOCATION	LATA	OCCURRENCES
BLAGOHBSW09	OH999	1
BLAGOHBSH09		1
CNCNOHDGW01	OH999	2
CNCNOHDGH01		2
CNCNOHEGW03	OH999	1
CNCNOHEGH03		1
CNCNOHFCW02	OH999	10
CNCNOHFCH02		10
KNISOHNA	OH999	9
KNISOHAA		9
KNWDOHLSW02	OH999	24
KNWDOHLSH02		24
LBNNOHIAAMD	OH999	1
LBNNOHIAAMD		1
LVLDOHUB	OH999	1
LVLDOHUB		1
MRSNOHABW01	OH999	1
MRSNOHABH01		1
MRSNOHKD	OH999	1

UNDETERMINED LATA CODES

LOCATION	LATA	OCCURRENCES
GRAND TOTAL		138

* * * * * * END OF REPORT * * * * * *
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Figure R01-5. Undetermined LATA Codes: TS-IR10

R01.4.5 Undetermined Ownership Characteristic - BCC Default: TS-IR11

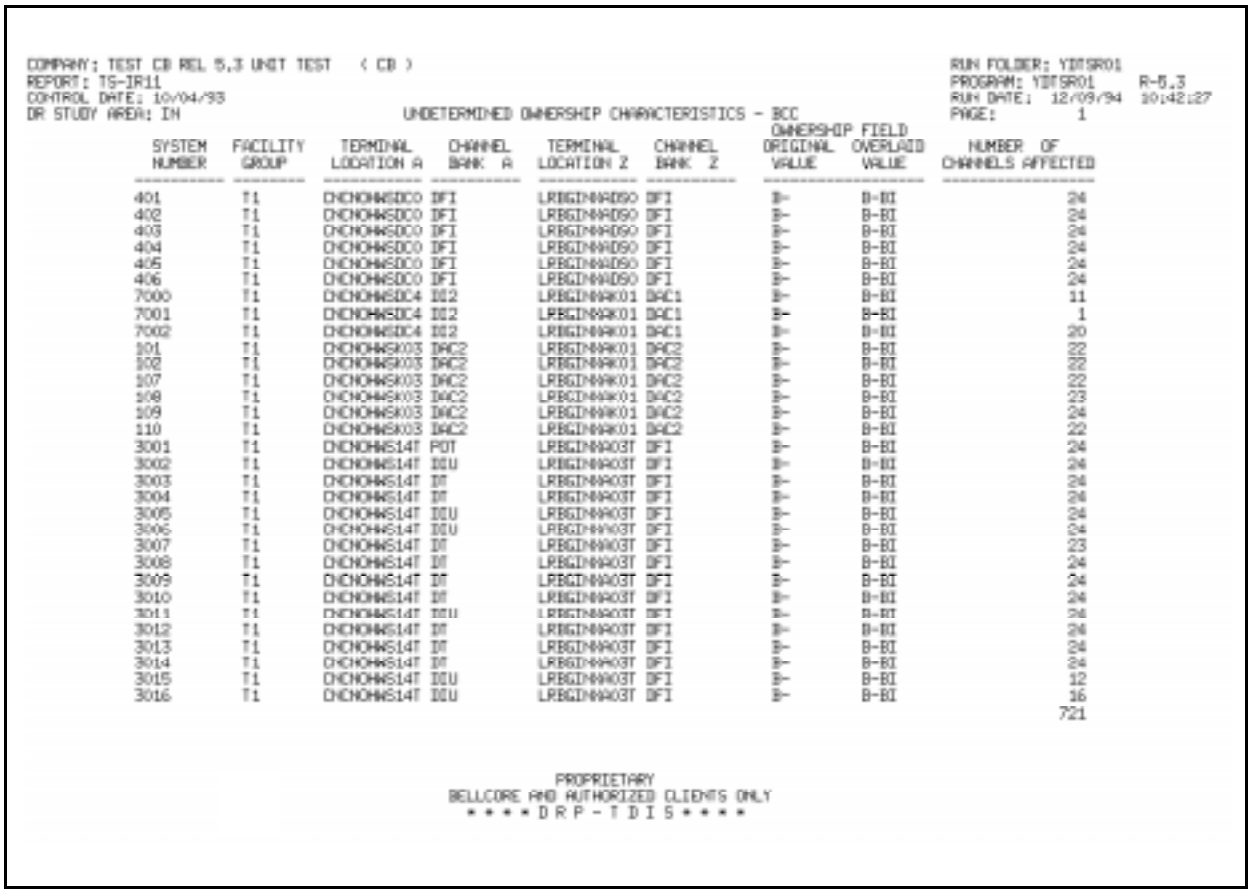
The TS-IR11 report generation parameter must be populated with "**Y**" in the TDIS On-Line Table Update Facility (TDIS-TBL) to generate this report.

This report lists carrier systems for which the ownership was determined by TDIS logic because of missing or inaccurate data in the TIRKS database. All carrier channels listed on this report ''defaulted'' to BCC ownership and were reported as such in the termination counts. These systems should be evaluated to determine the proper ownership markings and referred to the appropriate TIRKS personnel for corrections within that system. Appendix A contains a detailed explanation of ownership-making guidelines and the associated TDIS logic.

The column headings and content are as follows:

- SYSTEM FACILITY
  - — NUMBER - Numerical identification of the carrier system
  - — GROUP - System Type, i.e., T1, N, etc.
- TERMINAL LOCATION A - Originating Location
- CHANNEL BANK A - Type of bank at Location A, i.e., D2, D1A, etc.
- TERMINAL LOCATION Z - Terminating Location
- CHANNEL BANK Z - Type of bank at Location Z
- OWNERSHIP FIELD
  - — ORIGINAL VALUE - Value populated in TIRKS or defaulted in YDTS220
  - — OVERLAID VALUE - Value determined by TDIS logic in YDTS500.
- NUMBER OF CHANNELS AFFECTED - Number of working channels on the carrier system.

(Appendix I provides a more detailed explanation of the above data fields.)



COMPANY: TEST CB REL 5.3 UNIT TEST (CB)
REPORT: TS-IR11
CONTROL DATE: 10/04/93
DR STUDY AREA: IN

RUN FOLDER: YDTSR01
PROGRAM: YDTSR01 R-5.3
RUN DATE: 12/09/94 10:42:27
PAGE: 1

UNDETERMINED OWNERSHIP CHARACTERISTICS - BCC

SYSTEM NUMBER	FACILITY GROUP	TERMINAL LOCATION A	CHANNEL BANK A	TERMINAL LOCATION Z	CHANNEL BANK Z	OWNERSHIP FIELD ORIGINAL VALUE	OWNERSHIP FIELD OVERLAID VALUE	NUMBER OF CHANNELS AFFECTED
401	T1	CHCHOHWSDCO	DF1	LRBGINMAD9O	DF1	B-	B-BI	24
402	T1	CHCHOHWSDCO	DF1	LRBGINMAD9O	DF1	B-	B-BI	24
403	T1	CHCHOHWSDCO	DF1	LRBGINMAD9O	DF1	B-	B-BI	24
404	T1	CHCHOHWSDCO	DF1	LRBGINMAD9O	DF1	B-	B-BI	24
405	T1	CHCHOHWSDCO	DF1	LRBGINMAD9O	DF1	B-	B-BI	24
406	T1	CHCHOHWSDCO	DF1	LRBGINMAD9O	DF1	B-	B-BI	24
7000	T1	CHCHOHWSDC4	DI2	LRBGINMAK01	DAC1	B-	B-BI	11
7001	T1	CHCHOHWSDC4	DI2	LRBGINMAK01	DAC1	B-	B-BI	1
7002	T1	CHCHOHWSDC4	DI2	LRBGINMAK01	DAC1	B-	B-BI	20
101	T1	CHCHOHWSK03	DAC2	LRBGINMAK01	DAC2	B-	B-BI	22
102	T1	CHCHOHWSK03	DAC2	LRBGINMAK01	DAC2	B-	B-BI	22
107	T1	CHCHOHWSK03	DAC2	LRBGINMAK01	DAC2	B-	B-BI	22
108	T1	CHCHOHWSK03	DAC2	LRBGINMAK01	DAC2	B-	B-BI	23
109	T1	CHCHOHWSK03	DAC2	LRBGINMAK01	DAC2	B-	B-BI	24
110	T1	CHCHOHWSK03	DAC2	LRBGINMAK01	DAC2	B-	B-BI	22
3001	T1	CHCHOHWS14T	POT	LRBGINMA03T	DF1	B-	B-BI	24
3002	T1	CHCHOHWS14T	DIU	LRBGINMA03T	DF1	B-	B-BI	24
3003	T1	CHCHOHWS14T	DT	LRBGINMA03T	DF1	B-	B-BI	24
3004	T1	CHCHOHWS14T	DT	LRBGINMA03T	DF1	B-	B-BI	24
3005	T1	CHCHOHWS14T	DIU	LRBGINMA03T	DF1	B-	B-BI	24
3006	T1	CHCHOHWS14T	DIU	LRBGINMA03T	DF1	B-	B-BI	24
3007	T1	CHCHOHWS14T	DT	LRBGINMA03T	DF1	B-	B-BI	23
3008	T1	CHCHOHWS14T	DT	LRBGINMA03T	DF1	B-	B-BI	24
3009	T1	CHCHOHWS14T	DT	LRBGINMA03T	DF1	B-	B-BI	24
3010	T1	CHCHOHWS14T	DT	LRBGINMA03T	DF1	B-	B-BI	24
3011	T1	CHCHOHWS14T	DIU	LRBGINMA03T	DF1	B-	B-BI	24
3012	T1	CHCHOHWS14T	DT	LRBGINMA03T	DF1	B-	B-BI	24
3013	T1	CHCHOHWS14T	DT	LRBGINMA03T	DF1	B-	B-BI	24
3014	T1	CHCHOHWS14T	DT	LRBGINMA03T	DF1	B-	B-BI	24
3015	T1	CHCHOHWS14T	DIU	LRBGINMA03T	DF1	B-	B-BI	12
3016	T1	CHCHOHWS14T	DIU	LRBGINMA03T	DF1	B-	B-BI	16
								721

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Figure R01-6. Undetermined Ownership Characteristic - BCC Default: TS-IR11

R01.4.6 Excluded Circuit Equipment ECNs: TS-IR12

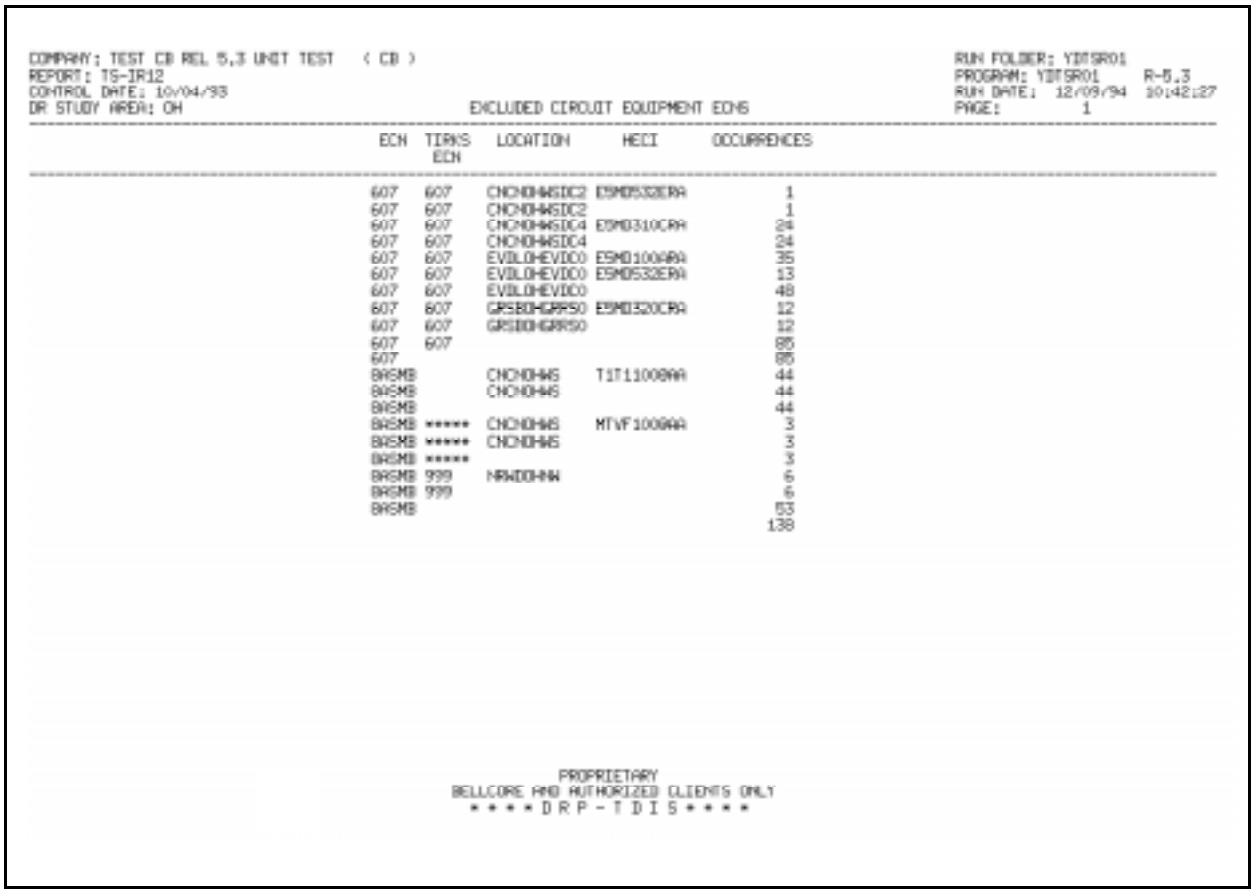
The TS-IR12 report generation parameter must be populated with "**Y**" in the TDIS On-Line Table Update Facility (TDIS-TBL) to generate this report.

This informational report displays invalid terminating and signaling ECN codes that could not be used to develop circuit equipment termination counts, i.e., other than 801-899.

This report does not include all instances of invalid ECNs because once a circuit equipment termination count is obtained, no further tests are applied at that location.

The report columns and content are as follows:

- ECN - Value developed by TDIS logic
- TIRKS ECN - Value extracted from TIRKS
- LOCATION - Office COMMON LANGUAGE identification
- HECI - HECI number
- OCCURRENCES - Number of times this data was encountered in the listed location.



COMPANY: TEST CB REL 5.3 UNIT TEST (CB)
REPORT: TS-IR12
CONTROL DATE: 10/04/93
DR STUDY AREA: OH

RUN FOLDER: YDTSR01
PROGRAM: YDTSR01 R-5.3
RUN DATE: 12/09/94 10:42:27
PAGE: 1

EXCLUDED CIRCUIT EQUIPMENT ECNS

ECN	TIRKS ECN	LOCATION	HECI	OCCURRENCES
607	607	CNCNOH46SDC2	ESMD532ERA	1
607	607	CNCNOH46SDC2		1
607	607	CNCNOH46SDC4	ESMD310CRA	24
607	607	CNCNOH46SDC4		24
607	607	EVDLOHEVDC0	ESMD100ARA	35
607	607	EVDLOHEVDC0	ESMD532ERA	13
607	607	EVDLOHEVDC0		48
607	607	GRSBOHGRR50	ESMD320CRA	12
607	607	GRSBOHGRR50		12
607	607			85
607				85
BASMB		CNCNOH46	T1T1100BAA	44
BASMB		CNCNOH46		44
BASMB				44
BASMB	*****	CNCNOH46	MTVF100AAA	3
BASMB	*****	CNCNOH46		3
BASMB	*****			3
BASMB	999	NRWDOHNW		6
BASMB	999			6
BASMB				53
				138

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Figure R01-7. Excluded Circuit Equipment ECNs: TS-IR12

R01.4.7 Excluded Di-Group ECNS: TS-IR13

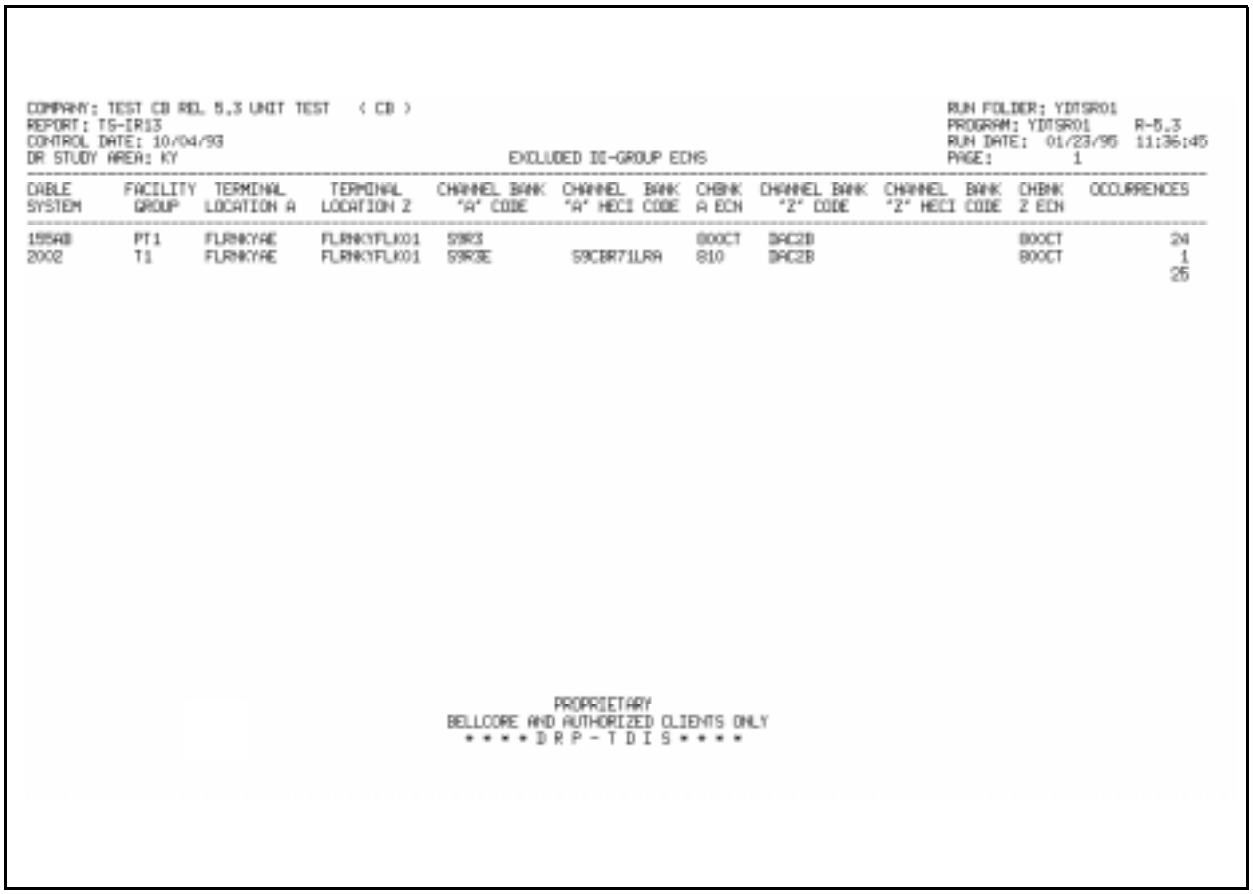
The TS-IR13 report generation parameter must be populated with "**Y**" in the TDIS On-Line Table Update Facility (TDIS-TBL) to generate this report.

Data for this report is generated when the YDTS500 process does not find BCC-owned terminating and signaling equipment at a location with an ECN code of 801 through 899. The YDTS500 process then searches for a BCC-owned channel bank to obtain a termination count. The ECN must still be within the 801 through 899 range if Digital Interfaces are not included on the termination reports (TS-IR08 and TS-IR15). If Digital Interfaces are included, all BCC-owned channel bank ECNs will be processed when encountered and this report will not contain any data.

> **NOTE —** The DIGINC parameter applies only to the TS-IR08 and TS-IR15 reports. If the above qualifications are not met, the program will write the carrier system data and the associated channel bank to the report (TS-IR13). Because this report is only invoked when the program attempts to count a channel bank termination, it is an informational report rather than an all inclusive report.

The column headings and content are as follows:

- CABLE SYSTEM - Numerical identification of the carrier system.
- FACILITY GROUP - System type (i.e., T1, N, etc.)
- TERMINAL LOCATION A - Originating Location
- TERMINAL LOCATION Z - Terminating Location
- CHANNEL BANK "A" CODE - Type of bank at Location A (i.e., D2, D1A, etc.)
- CHANNEL BANK "A" HECI CODE - Location A HECI number
- CHBNK A ECN - Location A ECN value developed by TDIS logic
- CHANNEL BANK "Z" CODE - Type of bank at Location Z (i.e., D2, D1A, etc.)
- CHANNEL BANK "Z" HECI CODE - Location Z HECI number
- CHBNK Z ECN - Location Z ECN value developed by TDIS logic
- OCCURRENCES - Number of times this data was encountered in the listed location.



COMPANY: TEST CB REL 5,3 UNIT TEST (CB)
REPORT: TS-IR13
CONTROL DATE: 10/04/93
DR STUDY AREA: KY

EXCLUDED DI-GROUP ECNS

RUN FOLDER: YDTSR01
PROGRAM: YDTSR01 R-5,3
RUN DATE: 01/23/96 11:36:45
PAGE: 1

CABLE SYSTEM	FACILITY GROUP	TERMINAL LOCATION A	TERMINAL LOCATION Z	CHANNEL BANK 'A' CODE	CHANNEL BANK 'A' HECI CODE	CHBNK A ECN	CHANNEL BANK 'Z' CODE	CHANNEL BANK 'Z' HECI CODE	CHBNK Z ECN	OCCURRENCES
155AB	PT1	FLRNKYAE	FLRNKYFLK01	SYAX3		800CT	DAC2B		800CT	24
2002	T1	FLRNKYAE	FLRNKYFLK01	SYAX3E	SYCBR71LRA	810	DAC2B		800CT	1
										25

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Figure R01-8. Excluded Di-Group ECNs: TS-IR13

R01.4.8 Circuit Verification for TS-IR08 Terminations: TS-IR15

The IR15 report generation parameter *must* be populated with ‘‘**Y**’’ in the TDIS On-Line Table Update Facility (TDIS-TBL) to generate this report.

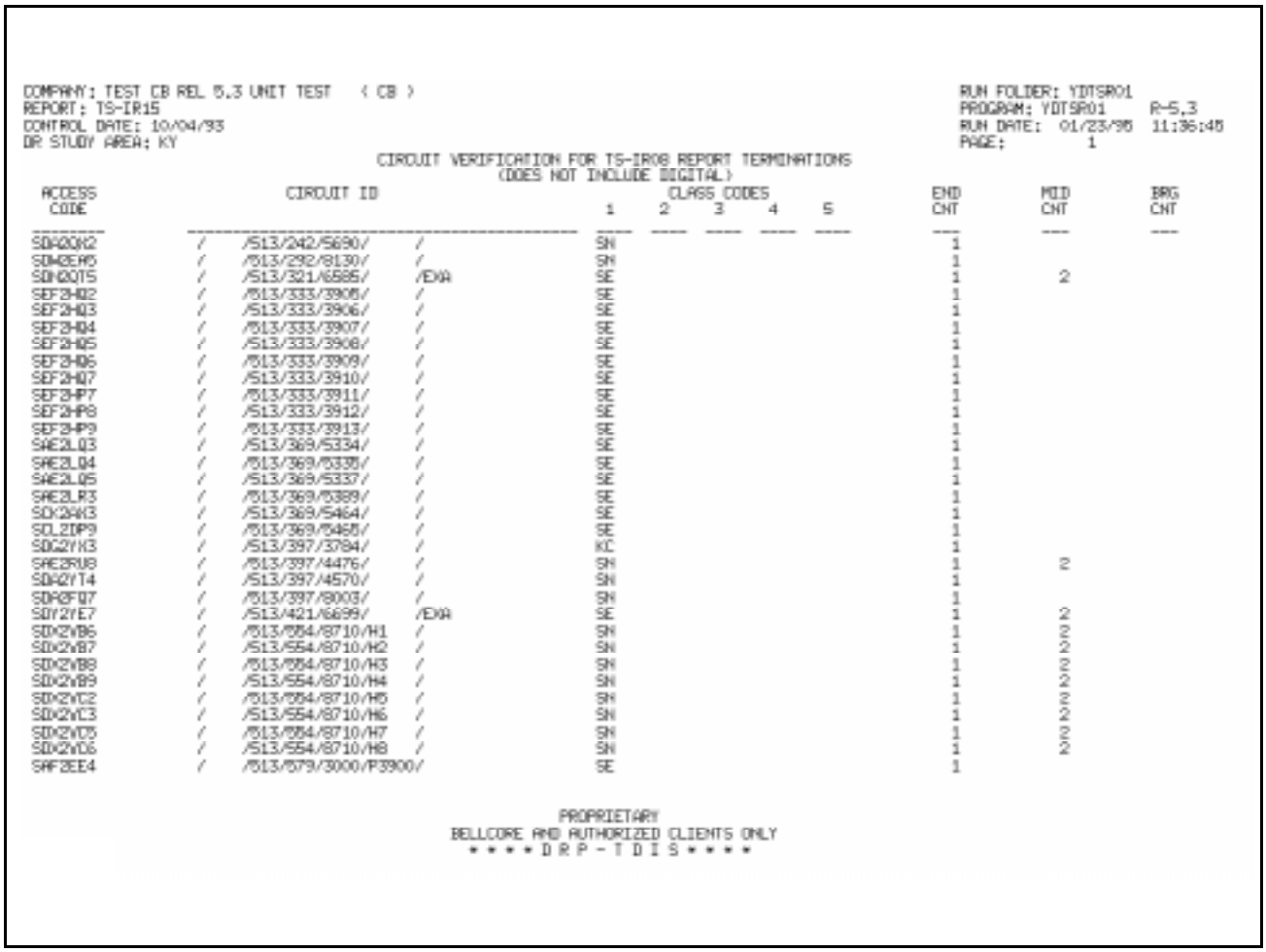
Digital interface records will only be included if the DIGINC parameter is set to ”Y”.

This report is separated into two sections (Special Services Circuits and Message Trunks) and both have the same column headings with the exception of TRUNK COUNT which only appears in the Message Trunk section.

The report columns and content are as follows:

- ACCESS CODE - For special service circuits this will be the CAC. For message trunks this will be the group TGAC.
- CIRCUIT ID - For special service circuits this will be the full COMMON LANGUAGE identification. For message trunks this will be the trunk group description, minus the trunk number, and how many trunks in the group comprised the termination counts.
- CLASS CODES 1-5 - A maximum of five class codes can be displayed for each Circuit ID.
- TRUNK COUNT - The number of message trunks contained within the trunk group.
- END CNT - Number of end terminations associated with the Circuit ID.
- MID CNT - Number of midpoint terminations associated with the Circuit ID.
- BRG CNT - Number of bridge terminations associated with the Circuit ID.

> **NOTE —** Because this report will list every special service circuit and message trunk group for which a termination was counted, the report may be very large. The value of printing this report on a monthly basis must be decided based on the needs of each company.



COMPANY: TEST CB REL 5.3 UNIT TEST (CB)
REPORT: TS-IR15
CONTROL DATE: 10/04/93
DP STUDY AREA: KY

RUN FOLDER: YDTSR01
PROGRAM: YDTSR01 R-5.3
RUN DATE: 01/23/96 11:36:45
PAGE: 1

CIRCUIT VERIFICATION FOR TS-IR08 REPORT TERMINATIONS
(DOES NOT INCLUDE DIGITAL)

ACCESS CODE	CIRCUIT ID	CLASS CODES 1	2	3	4	5	END CNT	MID CNT	BRG CNT
SDA2QN2	/ /513/242/5690/ /	SN					1		
SDM2EA5	/ /513/292/8130/ /	SN					1		
SDN2QT5	/ /513/321/6585/ /EXA	SE					1	2	
SEF2HQ2	/ /513/333/3905/ /	SE					1		
SEF2HQ3	/ /513/333/3906/ /	SE					1		
SEF2HQ4	/ /513/333/3907/ /	SE					1		
SEF2HQ5	/ /513/333/3908/ /	SE					1		
SEF2HQ6	/ /513/333/3909/ /	SE					1		
SEF2HQ7	/ /513/333/3910/ /	SE					1		
SEF2HP7	/ /513/333/3911/ /	SE					1		
SEF2HP8	/ /513/333/3912/ /	SE					1		
SEF2HP9	/ /513/333/3913/ /	SE					1		
SAE2LQ3	/ /513/369/5334/ /	SE					1		
SAE2LQ4	/ /513/369/5335/ /	SE					1		
SAE2LQ5	/ /513/369/5337/ /	SE					1		
SAE2LR3	/ /513/369/5389/ /	SE					1		
SDK2AK3	/ /513/369/5464/ /	SE					1		
SDL2DP9	/ /513/369/5465/ /	SE					1		
SDG2YK3	/ /513/397/3784/ /	KC					1		
SAE2RU8	/ /513/397/4476/ /	SN					1	2	
SDA2YT4	/ /513/397/4570/ /	SN					1		
SDR2FQ7	/ /513/397/8003/ /	SN					1		
SDY2YE7	/ /513/421/6699/ /EXA	SE					1	2	
SDX2VB6	/ /513/554/8710/H1 /	SN					1	2/2	
SDX2VB7	/ /513/554/8710/H2 /	SN					1	2/2	
SDX2VB8	/ /513/554/8710/H3 /	SN					1	2/2	
SDX2VB9	/ /513/554/8710/H4 /	SN					1	2/2	
SDX2VC2	/ /513/554/8710/H5 /	SN					1	2/2	
SDX2VC3	/ /513/554/8710/H6 /	SN					1	2/2	
SDX2VD5	/ /513/554/8710/H7 /	SN					1	2/2	
SDX2VD6	/ /513/554/8710/H8 /	SN					1	2/2	
SAF2EE4	/ /513/579/3000/P3900/	SE					1		

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Figure R01-9. Circuit Verification for TS-IR08 Terminations: TS-IR15 (Special Service Circuits)

```
COMPANY: TEST CB REL 5.3 UNIT TEST    ( CB )                                                        RUN FOLDER: YDTSR01
REPORT: TS-IR15                                                                                      PROGRAM: YDTSR01
   R-5.3                                                                                             RUN DATE:  01/23/95  11:36:45
DR STUDY AREA: IN04/93                                                                               PAGE:
1.150                                 CIRCUIT VERIFICATION FOR TS-IR08 REPORT TERMINATIONS
                                                   (DOES NOT INCLUDE DIGITAL)
  ACCESS                    CIRCUIT ID                              CLASS CODES                                                  T
RUNK            END           MID           BRG                  1    2    3    4    5                                            C
OUNTOIDE        CNT           CNT           CNT
 ________  ________________________________________   ____ ____ ____ ____ ____                        48                        _
 XS202986   /PH-4TBUTC    /CNCNOHSC1MD/MM/LRBGINNA03T    MA                                             48
 XS202671   NUMBER OF TRUNKSNCNO   =MD/MA/LRBGI96A03T    MA                                             96




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                                            * * * * D R P - T D I S * * * *
```

Figure R01-10. Circuit Verification for TS-IR08 Terminations: TS-IR15 (Message Trunks)

R01.4.9 Interlata Records Discarded: TS-IL01

The TS-IL01 report generation parameter must be populated with "**Y**" in the TDIS On-Line Table Update Facility (TDIS-TBL) to generate this report.

This report will provide a detail listing of all circuits which were bypassed because they were identified as being interLATA.

Circuits are considered interLATA if they consist of at least one carrier facility and the first two characters of the LATA codes are:

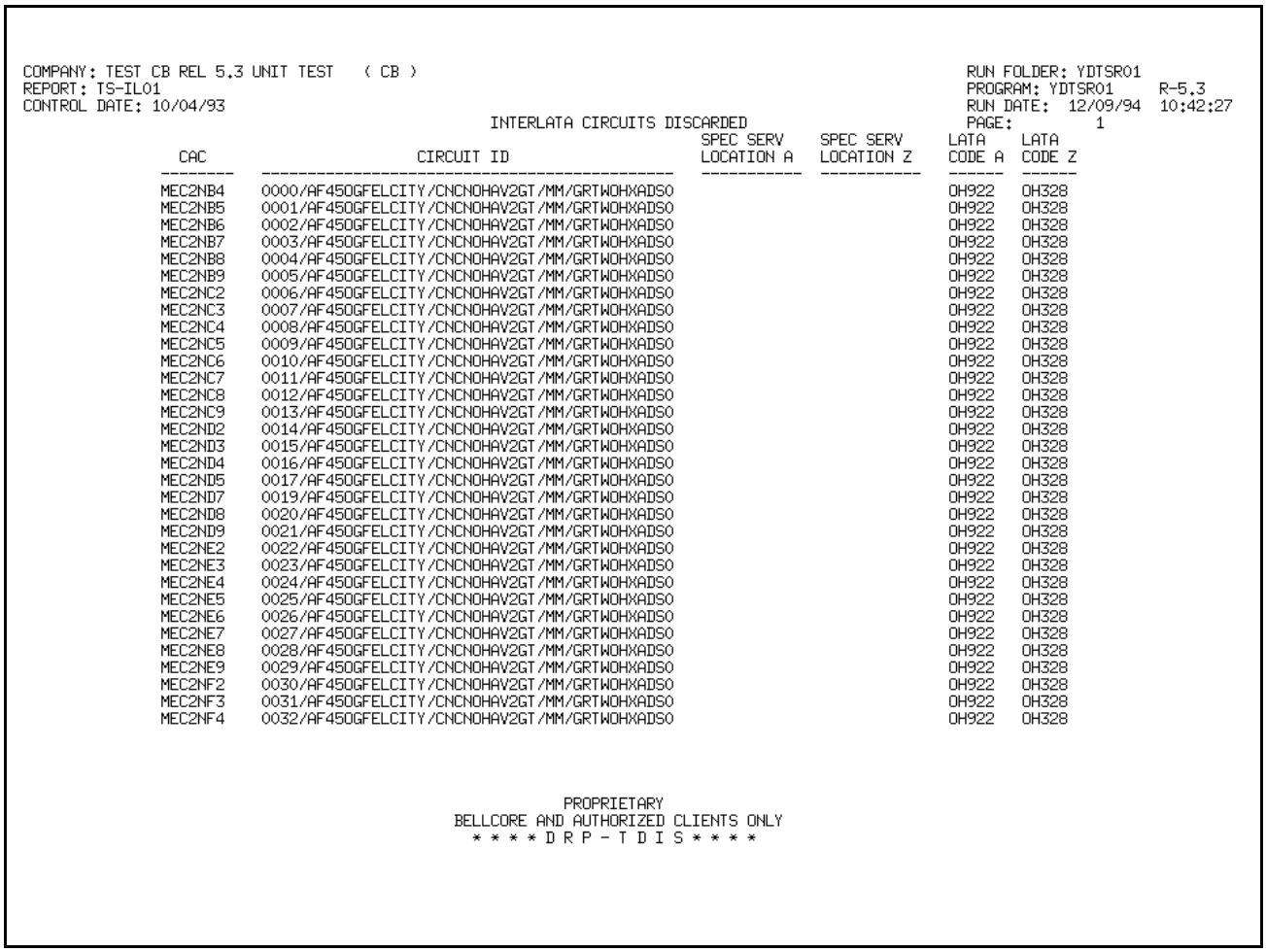
not equal

not NJ and PA

and not NJ and NY.

The report columns and contents are as follows:

- CAC - Circuit Access Code
- CIRCUIT ID - the full COMMON LANGUAGE identification for the circuit
- SPEC SERV LOCATION A - Originating location
- SPEC SERV LOCATION Z - Terminating location
- LATA CODE A - LATA code at Special Service Location A
- LATA CODE Z - LATA code at Special Service Location Z



COMPANY: TEST CB REL 5.3 UNIT TEST (CB)
REPORT: TS-IL01
CONTROL DATE: 10/04/93

RUN FOLDER: YDTSR01
PROGRAM: YDTSR01 R-5.3
RUN DATE: 12/09/94 10:42:27
PAGE: 1

INTERLATA CIRCUITS DISCARDED

CAC	CIRCUIT ID	SPEC SERV LOCATION A	SPEC SERV LOCATION Z	LATA CODE A	LATA CODE Z
MEC2NB4	0000/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NB5	0001/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NB6	0002/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NB7	0003/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NB8	0004/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NB9	0005/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NC2	0006/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NC3	0007/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NC4	0008/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NC5	0009/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NC6	0010/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NC7	0011/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NC8	0012/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NC9	0013/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2ND2	0014/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2ND3	0015/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2ND4	0016/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2ND5	0017/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2ND7	0019/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2ND8	0020/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2ND9	0021/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NE2	0022/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NE3	0023/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NE4	0024/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NE5	0025/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NE6	0026/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NE7	0027/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NE8	0028/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NE9	0029/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NF2	0030/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NF3	0031/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328
MEC2NF4	0032/AF45OGFELCITY/CNCNOHAV2GT/MM/GRTWOHXADSO			OH922	OH328

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Figure R01-11. Interlata Circuits Discarded: TS-IL01

R01.4.10 Audit Report: TS-EDP

The purpose of this report is to display the input control card from the TDIS On-Line Table Update Facility (TDIS-TBL) and summary information. This will be the very first report in the series of reports produced by the YDTSR01 procedure.

```
COMPANY: TEST CB REL 5.3 UNIT TEST   ( CB )                                            RUN FOLDER: YDTSR01
REPORT: TS-EDP                                                                         PROGRAM: YDTSR01      R-5.3
CONTROL DATE: 10/04/93                                                                 RUN DATE:  01/23/95  11:36:45
                                          EDP PROGRAM SUMMARY AND AUDIT REPORT          PAGE:         1
                                            MULTICPU PROCESSING INFORMATION
FILENAME  CPU  DATE
--------  ---  ------
TERMCHTS: CB   100493
TERMERRS: CB   100493
          FILENAME CPU  DATE
          -------- ---  ------
MAX DATE: TERMCHTS CB   100493
MIN DATE: TERMCHTS CB   100493
DIFF DAYS:                   0
                               D
                               I I I I I I I I I I
                               G R R R R R R R R L
                               I 0 0 0 1 1 1 1 1 0
                     PARM TBL  N 8 8 9 0 1 2 3 5 1   PC
                      ID  NAME C   A                FORMAT
                     ---- ---- - - - - - - - - - - ------
                                1         2         3         4         5         6         7         8       ERROR
        CARD COLUMNS   12345678901234567890123456789012345678901234567890123456789012345678901234567890      MESSAGES
                     TR01 1024 N Y Y Y Y Y Y Y Y Y LOTUS

                     PARM (TR01) INPUT CARDS:                READ           =        1
                                                             ACCEPTED       =        1
                                                             REJECTED       =        0

MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID.
   5B - REQUIRED FIELD IS MISSING.
   5E - SPACES BETWEEN OR AFTER FIELDS MUST BE BLANK.
   5H - MAXIMUM LIMIT EXCEEDED.

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```

Figure R01-12. Audit Report: TS-EDP

The Audit report also summarizes the input and output activity of the YDTSR01 procedure.

The following Report Control Table information should correspond to the information specified by the TDIS On-Line Table Update Facility (TDIS-TBL):

- Report Control Table last updated on
- Report Control Generation Number
- Number of Records in Table

The ”RECORDS READ” counts for TERMCNTS and TERMERRS files should correspond to the counts reflected on the YDTS500 TS-EDP report.

Each report should have at least one page written, except for the TS-IR15 report should have a minimum of two pages (i.e. the TS-IR15 report has two sections). This is true even if the report(s) were not requested because ”positive” reporting will indicate that the report specific report was not requested.

```
COMPANY: TEST CB REL 5.3 UNIT TEST   ( CB )                                                       RUN FOLDER: YDTSR01
REPORT: TS-EDP                                                                                    PROGRAM: YDTSR01     R-5.3
CONTROL DATE: 10/04/93                                                                            RUN DATE:  12/09/94  10:42:27
                                   EDP PROGRAM SUMMARY AND AUDIT REPORT                           PAGE:        2

                          REPORT CONTROL TABLE LAST UPDATED ON                       10/21/93
                          REPORT CONTROL GENERATION NUMBER                           G0001V00
                          NUMBER OF RECORDS IN TABLE                           =          181
                          TOTAL TERMCNTS           RECORDS: READ               =      299,039
                          TERMERRS FILE RECORDS:
                              UNDETERMINED LATA CODE RECORDS: READ     TYPE 1 =           138
                              UNDETERMINED OWNERSHIP RECORDS: READ     TYPE 2 =       124,745
                              EXCLUDED CKT EQPT ECN  RECORDS: READ     TYPE 3 =           138
                              EXCLUDED DI-GROUP ECN  RECORDS: READ     TYPE 4 =            25
                              INTERLATA CIRCUIT      RECORDS: READ     TYPE 5 =           120
                                           TOTAL RECORDS: READ                =       125,166
                              EXCLUDED DI-GROUP ECN  RECORDS: BYPASSED TYPE 4 =            25
                          TS-IR08  REPORT PAGES WRITTEN                        =           53
                          TS-IR08A REPORT PAGES WRITTEN                        =           39
                          TS-IR09  REPORT PAGES WRITTEN                        =          101
                          TS-IR10  REPORT PAGES WRITTEN                        =            3
                          TS-IR11  REPORT PAGES WRITTEN                        =          195
                          TS-IR12  REPORT PAGES WRITTEN                        =            2
                          TS-IR13  REPORT PAGES WRITTEN                        =            1
                          TS-IR15  REPORT PAGES WRITTEN                        =            2
                          TS-IR08A PC FILE REPORT RECORDS WRITTEN              =        1,004




                                 * * * * * *  END OF REPORT  * * * * * *
                                              PROPRIETARY
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                                   * * * * D R P - T D I S * * * *
```

Figure R01-13. Audit Report: TS-EDP

R01.5 Abnormal Termination

The following conditions will result in termination of the process:

Condition Code 2007 - No header record found for file name
This could result from improper sort of data, the program not starting at the first tape, the prior program not completing correctly, or other processing malfunctions.

Condition Code 2009 - Invalid header record found on file name.
This could be a mismatch on CPU ID. A corrected input card is necessary to restart the process.

Condition Code 2011 - Internal Table Limit Exceeded.
Internal table limit exceeded while processing the table identified in the message.

Condition Code 2012 - Illegal Condition Code returned from the PL/I sort routine.
This condition code indicates that the value input on the transmittal did not appear on the internal table of valid DBOs. Correct the transmittal and resubmit.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE
The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

Condition Code 2043 - If an input card has invalid field (code 5A), missing (code 5B) data, space field not blank (code 5E), duplicate (code 5M), or limit exceeded (code 5N), the run is terminated with a condition code of 2043 and the TS-EDP report is produced showing the error message ‘‘Input requests missing or invalid. Processing Terminated’’.

R02. YDTSR02 - Generate Circuit Equipment Termination Count Activity Reports

R02.1 General Description

This procedure provides Separations personnel with a method of analyzing changes in the Termination Information File (TERMCNTS) from YDTS500. This is accomplished by comparing circuits from two versions of the Termination Information File (TERMCNTS) produced by YDTS500 and the current Report Control Table File (RPTCNTL). The reports generated can assist in evaluating changes in the Circuit Equipment Termination Counts at End and Bridge Locations-1989 View: TS-IR08A Report, produced by YDTSR01. The data may be obtained at summary and/or detail level, as described in the following paragraphs.

The **summary terminations count activity reports** display which circuit equipment terminations were added, deleted or changed for the user-specified DR Study area and Report Control Table line numbers (TS-SM01) and class code (TS-SM02).

The **detail level terminations count activity reports** display the individual circuits that contributed to the changes identified in the summary level reports.

To generate these reports, the program compares circuit records in the previous and current files. Circuit records are only processed if they meet the user selection criteria specified from the TDIS On-Line Tables (TDIS-TBL) Control Card panels for DR Study areas (10 max).

The circuit equipment termination location is referenced when matching a circuit record to a DR Study Area. The state code is the fifth and sixth positions of the COMMON LANGUAGE Location.

If the Circuit ID only appears in the current file and the CKT END is identified as an END, the circuit was added. If the Circuit ID only appears in the previous file and the CKT END is identified as an END, the circuit was deleted. If the two Circuit IDs are equal and the Location, SCID and NODE ID match, and

A. The CKT END changed from MID to END or

B. The CKT END changed from END to MID or

C. The CKT END is identified as END in the current and previous month, but the CLASS CODE is different,

the circuit equipment termination is reported as changed.

Via inputs from the TDIS On-Line Tables (TDIS-TBL) Control card panels, the user can:

- Select which reports are to be produced (SUM and/or DET).

- Identify the Study Area(10 max.) used for summary and detail level reporting.
- Specify a net change threshold percent, for each Study Area requested, to automatically trigger the Term Count Activity Detail (TS-DE02) reports. The reports are only produced when the threshold percentage has been exceeded.
- Identify the Report Control Table(RPTCNTL) used for summary and detail level reporting.
- Identify the specific RPTCNTL table line numbers used for detail level reporting.
- Specify a page limit threshold for the detail report.
- Select processing options for both summary and/or detail reporting:
    1. Report Only
    2. Report and PC file
    3. PC file only
- Control the PC file output format (LOTUS or STND).

NOTE: Any line number reporting will reflect the current image of the Report Control Table. Prior months Report Control Table data is not available.

R02.2 Program Flow Diagram

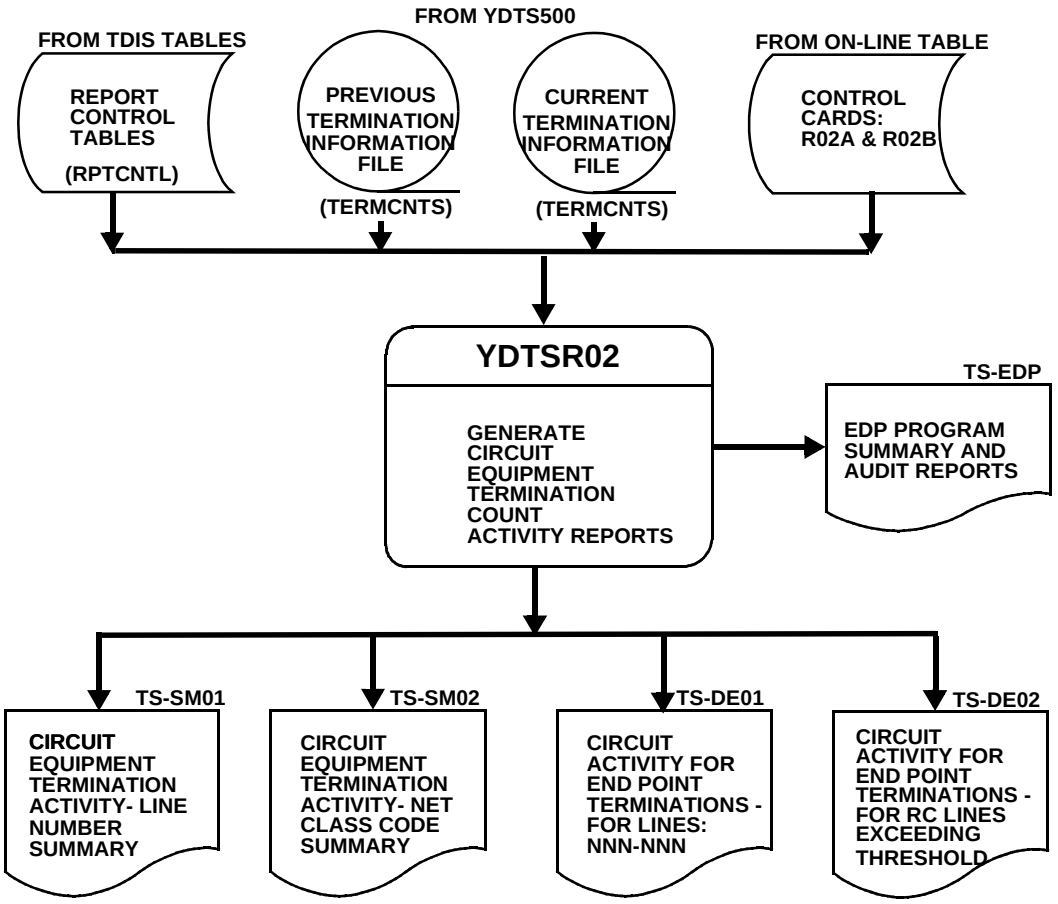

Figure R02-14. YDTSR02 Program Flow Diagram

R02.3 Inputs

R02.3.1 Transmittal to Request the Run

The following information must be included on the transmittal form:

1. RUN DATE - Specify the date this procedure is to be executed.
2. RUN SEQUENCING INFORMATION - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B contains job sequencing requirements.
3. RECIPIENT OF OUTPUT - Name and address of person(s) to whom the processed reports are to be delivered.

> **NOTE —** Maintenance of the control card for this procedure is done by the TDIS On-line Tables Update Facility (TDIS-TBL).

R02.4 Outputs

R02.4.1 Circuit Equipment Termination Activity Line Number Summary: TS-SM01

The Term Count Activity - Summary (SUM) control card options must be populated in the TDIS On-Line Table Update Facility (TDIS-TBL) to generate this report.

This report was developed to designate the differences in the Circuit Equipment Termination Counts at End and Bridge Locations-1989 View: TS-IR08A report, produced by YDTSR01, including MID to END/BRG and END/BRG to MID shifts.

This report provides the terminations activity counts (END/BRG) by Study Area, activity (ADD, CHG & DEL) and report line number/class code. Any termination counts encountered that do not correspond to a class code in the table will be listed at the end of each activity section without line and description information. This data may be used to determine if corrections to the report control table should be made. Some companies may not include all class codes in a specific table. Therefore, this data may not indicate table errors.

The last page of each DR Study Area contains the total number of terminations added, deleted, and the net change (ADD-DEL) within that DR Study Area. A grand total of all DR Study Areas is listed on the last page of the report.

The report heading will contain the following information:

- In the upper left-hand corner: company name, report name, control date (previous TERMCNTS file control date) and specific DR Study Area. The two control dates used for comparison can be found on the TS-EDP report. It is assumed that the ‘current’ month is the last processed control date.
- In the upper right-hand corner: the run folder, program name/TDIS release number, run date and page number.

The report title will be ‘Circuit Equipment Termination Activity Line Number Summary”.

The description and contents of the column headings are as follows:

- CKT ACTIVITY - The circuit activity, i.e., ADD, CHG, DEL.
- TERM ACT - The equipment termination activity listed for the circuit activity of ‘CHG’, i.e., ADD, DEL, FROM and TO.
- LINE - The line number associated with the class code as specified in the requested report control table.
- DESCRIPTION - The exact description associated with the line number as specified in the requested report control table.

- CLS CODE - The class code associated with the line number and description.
- END - The type of termination, i.e., END, MID.
- TERM EQUIP - The type of termination (CHAN - Channel, T/S- Term and Signal).
- COUNT FROM - The number of terminations deleted (including CHG From).
- COUNT TO - The number of termination added (including CHG To)

The equipment terminations counts for ADDed, CHanGed and DELeted circuits will be accumulated upwards to provide Line Number, Circuit Activity, Study Area and Grand Totals.

A file containing the same data as this report can be produced to be downloaded to a PC by requesting so via the TDIS On-Line Table Update Facility. The file can be generated in a Lotus or a STND (standard) format.

```
                                                * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CP )                                                       RUN FOLDER: YDTSR02
REPORT: TS-SM01                                                                                        PROGRAM: YDTSR2B     R-7.2
CONTROL DATE: 02/01/98                                                                                 RUN DATE:  05/15/98  13:11:14
DR STUDY AREA: DC                              CIRCUIT EQUIPMENT TERMINATION ACTIVITY                  PAGE:         1
                                                         LINE NUMBER SUMMARY
         CKT       TERM                                                  CLS                                  COUNT           COUNT
       ACTIVITY    ACT     LINE             DESCRIPTION                  CODE    END    TERM EQUIP            FROM             TO
       --------    ----    -----   -------------------------------- ----    ---    ----------          ------------    ------------
       ADD                 320      1   SUBSCRIBER LOOP              KS      END    CHAN D4A3                                      3
       ADD                 320      1   SUBSCRIBER LOOP              KS      END    CHAN D4B3                                      2
       ADD                 320      1   SUBSCRIBER LOOP              KS      END    CHAN D5A3                                      1
                                                                                                       ------------    ------------
                      LINE 320 TOTAL                                                                                               6

                                                                                                       ------------    ------------
       TOTAL ADD                                                                                                                   6

       CHANGE      FROM    320      1   SUBSCRIBER LOOP              KS      END    CHAN D4B3
       CHANGE      TO      040      NRP PL OTH GOVT CONTRACT         CA      END    CHAN D4B3                                      1
                                                                                                       ------------    ------------
                      LINE 040 TOTAL                                                                                               1

       CHANGE      FROM    320      1   SUBSCRIBER LOOP              KS      END    CHAN D4B3                    1
       CHANGE      TO      040      NRP PL OTH GOVT CONTRACT         CA      END    CHAN D4B3
                                                                                                       ------------    ------------
                      LINE 320 TOTAL                                                                             1

                                                                                                       ------------    ------------
       TOTAL CHANGE                                                                                              1                 1

       DELETE              320      1   SUBSCRIBER LOOP              KS      END    CHAN DFI1                    1
       DELETE              320      1   SUBSCRIBER LOOP              KS      END    CHAN D4A3                    2
       DELETE              320      1   SUBSCRIBER LOOP              KS      END    CHAN D4B3                    1
                                                                                                       ------------    ------------
                      LINE 320 TOTAL                                                                             4



                                                           PROPRIETARY
                                                 BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure R02-15. Circuit Equipment Termination Activity Line Number Summary

```
                                                  * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CP )                                                      RUN FOLDER: YDTSR02
REPORT: TS-SM01                                                                                       PROGRAM: YDTSR2B     R-7.2
CONTROL DATE: 02/01/98                                                                                RUN DATE:  05/15/98  13:11:14
DR STUDY AREA: DC                             CIRCUIT EQUIPMENT TERMINATION ACTIVITY                  PAGE:          3
                                                                                  NET
                                           ADD                 DEL             (ADD-DEL)
                                       -----------         -----------         -----------
STUDY AREA: DC TOTAL                             7                   7        +          0

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```

Figure R02-16. Circuit Equipment Termination Activity Line Number Summary (DR Study Area Total)

```
                                                 * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CP )                                                      RUN FOLDER: YDTSR02
REPORT: TS-SM01                                                                                       PROGRAM: YDTSR2B     R-7.2
CONTROL DATE: 02/01/98                                                                                RUN DATE:  05/15/98  13:11:14
DR STUDY AREA: ALL                            CIRCUIT EQUIPMENT TERMINATION ACTIVITY                  PAGE:          9
                                                       LINE NUMBER SUMMARY
                                                                                 NET
                                           ADD                 DEL             (ADD-DEL)
                                       -----------         -----------         -----------
GRAND TOTAL                                     13                  28        -         15

                                             * * * * * *  END OF REPORT  * * * * * *
                                                           PROPRIETARY
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```

Figure R02-17. Circuit Equipment Termination Activity Line Number Summary (Grand Total)

R02.4.2 Circuit Equipment Termination Activity Net Class Code Summary: TS-SM02

The Term Count Activity - Summary (SUM) control card options must be populated in the TDIS On-Line Table Update Facility (TDIS-TBL) to generate this report.

This report provides the terminations activity counts (END/BRG) by Study Area and class code. The last page of each DR Study Area contains the total number of terminations added, deleted, and the net change (add - del) within that DR Study Area. A grand total of all DR Study Areas is listed on the last page of the report.

The report heading will contain the following information:

- In the upper left-hand corner: company name, report name, control date (previous TERMCNTS file control date) and specific DR Study Area. The two control dates used for comparison can be found on the TS-EDP report. It is assumed that the 'current' month is the last processed control date.
- In the upper right-hand corner: the run folder, program name/TDIS release number, run date and page number.

The report title will be 'Circuit Equipment Termination Activity Net Class Code Summary".

The description and contents of the column headings are as follows:

- CLS - The class code.
- ADD+CHG TO - The number of terminations ADDed including CHG TO.
- DEL+CHG FROM - The number of termination DELeted including CHG From.
- NET CHG (COL1-COL2) - The net change total (column 1 minus column 2).

The equipment terminations counts for ADDed, DELeted circuits and the NET CHanGe total will be accumulated upwards to provide Study Area and Grand Totals.

```
                                                  * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CP )                                                       RUN FOLDER: YDTSR02
REPORT: TS-SM02                                                                                        PROGRAM: YDTSR2B     R-7.2
CONTROL DATE: 02/01/98                                                                                 RUN DATE:  05/19/98  10:10:28
DR STUDY AREA: DC                              CIRCUIT EQUIPMENT TERMINATION ACTIVITY                  PAGE:         1
                                                       NET CLASS CODE SUMMARY
                                         ADD+                     DEL+                  NET CHG
                      CLS              CHG TO                   CHG FROM              (COL1 - COL2)
                      ----           ------------             ------------            -------------
                      CA                        1                        0            +          1
                      KS                        6                        5            +          1
                      SE                        0                        2            -          2
             STUDY AREA TOTAL                   7                        7            +          0

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```

Figure R02-18. Circuit Equipment Termination Activity Net Class Code Summary

```
                                                 * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CP )                                                       RUN FOLDER: YDTSR02
REPORT: TS-SM02                                                                                        PROGRAM: YDTSR2B     R-7.2
CONTROL DATE: 02/01/98                                                                                 RUN DATE:  05/19/98  10:10:28
DR STUDY AREA: ALL                             CIRCUIT EQUIPMENT TERMINATION ACTIVITY                  PAGE:         4
                                                       NET CLASS CODE SUMMARY
                                         ADD+                     DEL+                  NET CHG
                      CLS              CHG TO                   CHG FROM              (COL1 - COL2)
                      ----           ------------             ------------            -------------
         GRAND TOTAL                           13                       28            -         15

                                            * * * * * *  END OF REPORT  * * * * * *
                                                           PROPRIETARY
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```

Figure R02-19. Circuit Equipment Termination Activity Net Class Code Summary (Grand Total)

R02.4.3 Circuit Activity For End Point Terminations-For Lines: nnn-nnn: TS-DE01

The Term Count Activity - Detail (DET) control card options must be populated in the TDIS On-Line Table Update Facility (TDIS-TBL) to generate this report.

This report was developed to display the individual circuits that contributed to the changes identified in the summary level reports.

This report provides the supporting circuit data required to properly analyze the results reported in summary reports TS-SM01 and TS-SM02. The data is sorted by DR Study Area, circuit activity (ADD, CHG & DEL) and circuit id. The last page of each DR Study Area contains the total number of circuits added, changed and deleted within that DR Study Area. A grand total of all DR Study Areas is listed on the last page of the report.

The report heading will contain the following information:

- In the upper left-hand corner: company name, report name, control date (previous TERMCNTS file control date) and specific DR Study Area. The two control dates used for comparison can be found on the TS-EDP report. It is assumed that the 'current' month is the last processed control date.
- In the upper right-hand corner: the run folder, program name/TDIS release number, run date and page number.

The report title will be 'Circuit Activity for End Point Terminations-For Lines: nnn-nnn". The sub-header 'For Lines:' identifies the Report Control line numbers requested on the detail (DET) control card. Only those line numbers requested are reported.

The description and contents of the column headings are as follows:

- CKT ACTIVITY - The circuit activity, i.e., ADD, CHG, DEL.
- TERM ACTIVITY - The equipment termination activity listed for the circuit activity of 'CHG', i.e., ADD, DEL, FROM and TO.
- CAC - Circuit Access Code. A system-generated code that is equivalent to and provides a cross reference to the circuit or group literal.
- CIRCUIT ID - Circuit Identification. The unique code which identifies the circuit item.
- LOCATION - Location Code. The COMMON LANGUAGE location identification of the office/building where the equipment is physically located.
- SCID CODE - SONET Carrier Identifier. The code which identifies the parts of a SONET Carrier.
- NODE ID - Node. A 2 character field which displays the Node ID assigned to a specific CLLI location on a SONET network.

- END - Term Indicator. A 1 character field which displays the term end type, i.e., ‘E’, ‘B’ or ‘M’ for End, Bridge or Mid respectivly.
- LINE # - The line number associated with the class code as specified in the requested Report Control Table.
- CLS CODE - This field is the DR Class Code associated with the line number in the current copy of the Report Control Table.
- EQP TYPE - Equipment Type. An abbreviation for a type of equipment which relates to a whole group or class of equipment, either CHAN or T/S.
- CHAN BANK - Channel Bank. Used to describe the type channel bank.
- ECN- Equipment Category Number. The three-digit number assigned to equipment items.

The counts for ADDed, CHanGed and DELeted circuits will be accumulated upwards to provide Study Area and Grand Totals.

A file containing the same data as this report can be produced to be downloaded to a PC by requesting so via the TDIS On-Line Table Update Facility. The file can be generated in a Lotus or a STND (standard) format.

```
                                                  * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CP )                                                          RUN FOLDER: YDTSR02
REPORT: TS-DE01                                                                                           PROGRAM: YDTSR2B     R-7.2
CONTROL DATE: 02/01/98                                                                                    RUN DATE:  05/19/98  10:10:28
DR STUDY AREA: DC                          CIRCUIT ACTIVITY FOR END POINT TERMINATIONS                    PAGE:         1
                                                        FOR LINES: 001-099
                                                                                              E
ACTIVITY                                                                        SCID    NODE  N  LINE  CLS   EQP
CKT TERM     CAC                    CIRCUIT ID                        LOCATION      CODE     ID   D   #    CODE  TYPE  CHAN BANK  ECN
--- ----  --------  --------------------------------------------  -----------  -------  ----  -  ----  ----  ----  ---------- ---
DEL       SMH2PS7     /CC  /202/727/4649/     /                    WASHDCBN                   E  049   SE    CHAN  D4A3       809
DEL       SMH2PS7     /CC  /202/727/4649/     /                    WASHDCDN                   E  049   SE    CHAN  D5A3       809

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```

Figure R02-20. Circuit Activity For End Point Terminations-For lines: nnn-nnn

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CP )                          RUN FOLDER: YDTSR02
REPORT: TS-DE01                                                           PROGRAM: YDTSR2B     R-7.2
CONTROL DATE: 02/01/98                                                    RUN DATE:  05/19/98  10:10:28
DR STUDY AREA: VA                  CIRCUIT ACTIVITY FOR END POINT TERMINATIONS   PAGE:         4
                                              FOR LINES: 001-099
                                                   SUMMARY

                                      TOTAL CIRCUITS ADDED       =
                                      TOTAL CIRCUITS CHANGED     =              1
                                      TOTAL CIRCUITS DELETED     =              3









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```

Figure R02-21. Circuit Activity For End Point Terminations-For lines: nnn-nnn (DR Study Area Total)

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CP )                          RUN FOLDER: YDTSR02
REPORT: TS-DE01                                                           PROGRAM: YDTSR2B     R-7.2
CONTROL DATE: 02/01/98                                                    RUN DATE:  05/19/98  10:10:28
DR STUDY AREA: ALL                 CIRCUIT ACTIVITY FOR END POINT TERMINATIONS   PAGE:         5
                                              FOR LINES: 001-099
                                                   SUMMARY

                                      TOTAL CIRCUITS ADDED       =
                                      TOTAL CIRCUITS CHANGED     =              3
                                      TOTAL CIRCUITS DELETED     =             11









                                   * * * * * *  END OF REPORT  * * * * * *
                                                PROPRIETARY
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```

Figure R02-22. Circuit Activity For End Point Terminations-For lines: nnn-nnn (Grand Total)

R02.4.4 Circuit Activity For End Point Terminations-For Report Control Lines exceeding threshold: nn%: TS-DE02

The Term Count Activity - Summary (SUM) control card threshold option must be populated in the TDIS On-Line Table Update Facility (TDIS-TBL) to generate this report.

This report was developed to display the individual circuits that contributed to the changes identified in the summary level reports for those DR Study Areas and line numbers that exceeded the net change threshold specified on summary control card.

This report provides the supporting circuit data required to properly analyze the results reported in summary reports TS-SM01 and TS-SM02. The data is sorted by DR Study Area, circuit activity (ADD, CHG & DEL) and circuit id. The last page of each DR Study Area contains the total number of circuits added, changed and deleted within that DR Study Area. A grand total of all DR Study Areas is listed on the last page of the report.

The report heading and columns on the TS-DE02 are the same as described for the TS-DE01 report except that the report title will be ‘Circuit Activity for End Point Terminations-For Report Control Lines Exceeding Threshold: nn%”. The sub-header identifies the net change threshold specified on the summary (SUM) control card. Only those line numbers exceeding the threshold % are reported. The threshold is an absolute gain or loss percent.

* * * * D R P - T D I S * * * *

COMPANY: BASE - RELEASE 7.1 ENVIRONMENT (CP) RUN FOLDER: YDTSR02
REPORT: TS-DE02 PROGRAM: YDTSR2B R-7.2
CONTROL DATE: 02/01/98 RUN DATE: 05/19/98 10:10:28
DR STUDY AREA: VA CIRCUIT ACTIVITY FOR END POINT TERMINATIONS PAGE: 1
FOR REPORT CONTROL LINES EXCEEDING THRESHOLD: 50%

ACTIVITY CKT	TERM	CAC	CIRCUIT ID	LOCATION	SCID CODE	NODE ID	END	LINE #	CLS CODE	EQP TYPE	CHAN BANK	ECN
CHG	FROM	SAK2TH2	/CL /540/982/4438/ /	RONKVALK			M	060	SN	CHAN	D4B3	809
	TO	SAK2TH2	/CL /540/982/4438/ /	RONKVALK			E	060	SN	CHAN	D4B3	809
CHG	FROM	SAK2TJ2	/CL /540/982/4449/ /	RONKVALK			M	320	KS	CHAN	D4B3	809
	TO	SAK2TJ2	/CL /540/982/4449/ /	RONKVALK			E	320	KS	CHAN	D4B3	809
DEL		SHU2DP2	/ /757/868/4532/ /	HMPNVADC			E	080	QQ	CHAN	TB3	809
DEL		SHU2DP2	/ /757/868/4532/ /	HMPNVADCK01			E	080	QQ	CHAN	DX1Z	809
DEL		SHU2DP2	/ /757/868/4532/ /	HMPNVADCK01			E	080	QQ	CHAN	DX1	809
DEL		SAK2SY8	/CL /540/982/4035/ /	RONKVABK			E	320	KS	CHAN	TB3	809
DEL		SAK2SY8	/CL /540/982/4035/ /	RONKVALK			E	320	KS	CHAN	D4B3	809
DEL		SAK2SY9	/CL /540/982/4036/ /	RONKVABK			E	320	KS	CHAN	TB3	809
DEL		SAK2SY9	/CL /540/982/4036/ /	RONKVALK			E	320	KS	CHAN	D4B3	809
DEL		SAK2TA5	/CL /540/982/4117/ /	RONKVABK			E	320	KS	CHAN	TB3	809
DEL		SAK2TA5	/CL /540/982/4117/ /	RONKVALK			E	320	KS	CHAN	D4B3	809
DEL		SAK2TA7	/CL /540/982/4146/ /	RONKVABK			E	320	KS	CHAN	TB3	809
DEL		SAK2TA7	/CL /540/982/4146/ /	RONKVALK			E	320	KS	CHAN	D4B3	809
DEL		SAK2TA8	/CL /540/982/4147/ /	RONKVABK			E	320	KS	CHAN	TB3	809
DEL		SAK2TA8	/CL /540/982/4147/ /	RONKVALK			E	320	KS	CHAN	D4B3	809
DEL		SAK2TB2	/CL /540/982/4149/ /	RONKVABK			E	320	KS	CHAN	TB3	809
DEL		SAK2TB2	/CL /540/982/4149/ /	RONKVALK			E	320	KS	CHAN	D4B3	809

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Figure R02-23. Circuit Activity For End Point Terminations-For lines: nnn-nnn

R02.4.5 EDP Program Summary and Audit Reports: TS-EDP

The purpose of these reports are to display the input control card from the TDIS On-Line Table Update Facility (TDIS-TBL) and summary information. These will be the very first reports in the series of reports produced by the YDTSR02 procedure.

```
                                        * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CP )                                  RUN FOLDER: YDTSR02
REPORT: TS-EDP                                                                    PROGRAM: YDTSR2A     R-7.2
CONTROL DATE: 02/01/98                                                            RUN DATE:  05/15/98  10:41:01
                                      EDP PROGRAM SUMMARY AND AUDIT REPORT        PAGE:         1
                                           CPU PROCESSING INFORMATION
FILENAME  CPU  DS  DATE
--------  ---  -- ------
TERMCNTS: CP      980201
TERMCNTS: CP      980301
                             1         2         3         4         5         6         7         8
                   12345678901234567890123456789012345678901234567890123456789012345678901234567890
                   R02A
                   SUM  DRTH DRTH DRTH DRTH DRTH DRTH DRTH DRTH DRTH DRTH P RPT  PC
                   ID   ARHD ARHD ARHD ARHD ARHD ARHD ARHD ARHD ARHD ARHD O TBL  FMT
                   ---- ---- ---- ---- ---- ---- ---- ---- ---- ---- ---- - ---- -----
                   R02B
                   DET  DRDRDRDRDRDRDRDRDRDR P RPT  LINE #LINE #LINE #LINE #LINE # PG  PC
                   ID   ARARARARARARARARARAR O TBL  1A 1B 2A 2B 3A 3B 4A 4B 5A 5B  LMT FMT
                   ---- -------------------- - ---- ------------------------------ --- -----
                   R02A VA50 MD00 DC00                                  2 SSM1 LOTUS

                   R02B VA                  2 1024 001099                       000 STND
                   YDZR02 INPUT PARM CARDS:               READ             =          2
                                                          ACCEPTED         =          2
                                                          REJECTED         =          0




MESSAGE CODES:
   5A - INDICATED FIELD IS INVALID.
   5B - REQUIRED FIELD IS MISSING.
   5E - SPACES BETWEEN OR AFTER FIELDS MUST BE BLANK.
   5M - DUPLICATE REQUEST NOT ALLOWED
   5N - MAXIMUM LIMIT EXCEEDED(MAX 2).

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```

Figure R02-24. EDP Program Summary and Audit Report: TS-EDP/YDTSR2A

The following Report Control Table information should correspond to the information specified by the TDIS On-Line Table Update Facility (TDIS-TBL):

- Report Control Table last updated on
- Report Control Generation Number
- Number of Records in Table

The ”RECORDS READ” counts for TERMCNTS previous and current files should correspond to the counts reflected on the YDTS500 TS-EDP report.

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CP )                          RUN FOLDER: YDTSR02
REPORT: TS-EDP                                                            PROGRAM: YDTSR2A     R-7.2
CONTROL DATE: 02/01/98                                                    RUN DATE:  05/15/98  10:41:01
                                  EDP PROGRAM SUMMARY AND AUDIT REPORT    PAGE:         2

                          REPORT CONTROL TABLE LAST UPDATED ON                    09/11/96
                          REPORT CONTROL GENERATION NUMBER                        G0012V00
                          NUMBER OF RECORDS IN TABLE                  =         693
                          TOTAL TERMCNTS (PREV MO) RECORDS: READ      =          46
                          TOTAL TERMCNTS (CURR MO) RECORDS: READ      =          26
                          TOTAL TERMCNTS (PREV MO) RECORDS: WRITTEN   =          46
                          TOTAL TERMCNTS (CURR MO) RECORDS: WRITTEN   =          26

                                * * * * * *  END OF REPORT  * * * * * *
                                          PROPRIETARY
                                BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure R02-25. EDP Program Summary and Audit Report: TS-EDP/YDTSR2A

The Audit reports also summarizes the input and output activity of the YDTSR2A program.

The ”RECORDS READ” counts for TERMCNTS previous and current files should correspond to the counts reflected on the YDTS500 TS-EDP report.

Each report should have at least one page written. This is true even if the report(s) were not requested because ”positive” reporting will indicate that the report specific report was not requested.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BASE - RELEASE 7.1 ENVIRONMENT   ( CP )                        RUN FOLDER: YDTSR02
REPORT: TS-EDP                                                          PROGRAM: YDTSR2B     R-7.2
CONTROL DATE: 02/01/98                                                  RUN DATE:  05/19/98  10:10:28
                                     EDP PROGRAM SUMMARY AND AUDIT REPORT PAGE:         1
                                           CPU PROCESSING INFORMATION
FILENAME  CPU  DS  DATE
--------  ---  -- ------
TERMCNTS: CP      980201
TERMCNTS: CP      980301


                              TOTAL TERMCNTS(PREVIOUS MO) RECORDS: READ           =          46
                              TOTAL TERMCNTS(CURRENT MO)  RECORDS: READ           =          26
                              TOTAL YDZR02 CONTROL CARD   RECORDS: READ           =           2
                              TS-SM01  REPORT PAGES WRITTEN                       =           9
                              TS-SM02  REPORT PAGES WRITTEN                       =           4
                              TS-DE01  REPORT PAGES WRITTEN                       =           5
                              TS-DE02  REPORT PAGES WRITTEN                       =           3
                              PCFILE1 (SUM) REPORT RECORDS WRITTEN                =          31
                              PCFILE2 (DET) REPORT RECORDS WRITTEN                =           9









                                    * * * * * *  END OF REPORT  * * * * * *
                                                  PROPRIETARY
                                      BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure R02-26. EDP Program Summary and Audit Report: TS-EDP/YDTSR2B

The Audit reports also summarizes the input and output activity of the YDTSR2B program.

R02.4.6 PC File (Summary) Format

The PC file (PCFILE1) has a length of 120 characters. Each data value is fixed fielded according to its length.

The format of the PC file can be either *Lotus 1-2-3* or STND.

STND: The file is in SDF format, that is, it contains no delimiters. Fields are padded with trailing blanks. Number fields are right justified with leading blanks. Numeric fields without data are set to zero.

Lotus: This has been testing using *Lotus for Windows Ver 1.1*. This file can also be loaded into *dBase III*™ or *PARADOX*™ or other database programs as a "," (comma) delimited file.

The first line of the PC file contains:

Record type 'H' - Header record

'H'	1 Character (Record Identifier)
PREV CONTROL DATE	8 Characters in CCYYMMDD format
CURR CONTROL DATE	8 Characters in CCYYMMDD format
RUN DATE	8 Characters in CCYYMMDD format
CPU	2 Characters
FILE DESCRIPTION	41 Characters

Succeeding lines will contain termination count activity summary data. For a description of each field, see Section R02.4. The data structure of this record is as follows.

dBase III is a registered trademark of Ashton-Tate Corporation.

PARADOX is a registered trademark of Borland International, Inc./Ansa Software

Record type ‘D’ - Termination Count Activity Summary Data

‘D’	1 Character (Record Identifier)
DR AREA	4 Character
CKT ACTIVITY	3 Characters
TERM ACTIVITY(Chg. only)	4 Characters
RC LINE	5 Characters
RC DESC	32 Characters
CLASS CODE	4 Character
TERM TYPE	1 Characters
EQP TYPE	4 Character
CHAN BANK	10 Characters
TERM CNT	9 Decimals

Figure R02-27. shows an example of a *Lotus*E format summary PC file.

```
"H","19980201","19980301","19980519","CP","  ","TERM COUNT ACTIVITY - LINE NUMBER SUMMARY"
"D","DC  ","ADD","    ","320  ","1   SUBSCRIBER LOOP             ","KS  ","E","CHAN","D4A3      ",        3
"D","DC  ","ADD","    ","320  ","1   SUBSCRIBER LOOP             ","KS  ","E","CHAN","D4B3      ",        2
"D","DC  ","ADD","    ","320  ","1   SUBSCRIBER LOOP             ","KS  ","E","CHAN","D5A3      ",        1
"D","DC  ","CHG","FROM","320  ","1   SUBSCRIBER LOOP             ","KS  ","E","CHAN","D4B3      ",        0
"D","DC  ","CHG","TO  ","040  ","NRP PL OTH GOVT CONTRACT       ","CA  ","E","CHAN","D4B3      ",        1
"D","DC  ","CHG","FROM","320  ","1   SUBSCRIBER LOOP             ","KS  ","E","CHAN","D4B3      ",        1
"D","DC  ","CHG","TO  ","040  ","NRP PL OTH GOVT CONTRACT       ","CA  ","E","CHAN","D4B3      ",        0
"D","DC  ","DEL","    ","320  ","1   SUBSCRIBER LOOP             ","KS  ","E","CHAN","DFI1      ",        1
"D","DC  ","DEL","    ","320  ","1   SUBSCRIBER LOOP             ","KS  ","E","CHAN","D4A3      ",        2
"D","DC  ","DEL","    ","320  ","1   SUBSCRIBER LOOP             ","KS  ","E","CHAN","D4B3      ",        1
"D","DC  ","DEL","    ","UNKÿÿ","CLASS CODE NOT FOUND IN TABLE  ","SE  ","E","CHAN","D4A3      ",        1
"D","DC  ","DEL","    ","UNKÿÿ","CLASS CODE NOT FOUND IN TABLE  ","SE  ","E","CHAN","D5A3      ",        1
"D","MD  ","ADD","    ","320  ","1   SUBSCRIBER LOOP             ","KS  ","E","CHAN","D4A3      ",        2
"D","MD  ","CHG","FROM","080  ","NRP DEFAULT CLASS CODE (T/DIS) ","QQ  ","E","CHAN","D4A3      ",        1
"D","MD  ","CHG","TO  ","320  ","1   SUBSCRIBER LOOP             ","KS  ","E","CHAN","D4A3      ",        0
"D","MD  ","CHG","FROM","080  ","NRP DEFAULT CLASS CODE (T/DIS) ","QQ  ","E","CHAN","D4A3      ",        0
"D","MD  ","CHG","TO  ","320  ","1   SUBSCRIBER LOOP             ","KS  ","E","CHAN","D4A3      ",        1
"D","VA  ","CHG","FROM","060  ","NRP PL OTH TELCO OCS           ","SN  ","M","CHAN","D4B3      ",        0
"D","VA  ","CHG","TO  ","060  ","NRP PL OTH TELCO OCS           ","SN  ","E","CHAN","D4B3      ",        1
"D","VA  ","CHG","FROM","320  ","1   SUBSCRIBER LOOP             ","KS  ","M","CHAN","D4B3      ",        0
"D","VA  ","CHG","TO  ","320  ","1   SUBSCRIBER LOOP             ","KS  ","E","CHAN","D4B3      ",        1
"D","VA  ","CHG","FROM","UNKÿÿ","CLASS CODE NOT FOUND IN TABLE  ","GB  ","M","CHAN","TB3       ",        0
"D","VA  ","CHG","TO  ","UNKÿÿ","CLASS CODE NOT FOUND IN TABLE  ","GB  ","E","CHAN","TB3       ",        1
"D","VA  ","DEL","    ","080  ","NRP DEFAULT CLASS CODE (T/DIS) ","QQ  ","E","CHAN","DX1       ",        1
"D","VA  ","DEL","    ","080  ","NRP DEFAULT CLASS CODE (T/DIS) ","QQ  ","E","CHAN","DX1Z      ",        1
"D","VA  ","DEL","    ","080  ","NRP DEFAULT CLASS CODE (T/DIS) ","QQ  ","E","CHAN","TB3       ",        1
"D","VA  ","DEL","    ","320  ","1   SUBSCRIBER LOOP             ","KS  ","E","CHAN","D4B3      ",        6
```

Figure R02-27. YDTSR02 *Lotus 1-2-3* PC File (Summary)

Figure R02-28. shows an example of a standard format PC file (summary.

```
H19980201199803011998052OCP  TERM COUNT ACTIVITY - LINE NUMBER SUMMARY
DDC  ADD    320  1   SUBSCRIBER LOOP             KS  ECHAND4A3              3
DDC  ADD    320  1   SUBSCRIBER LOOP             KS  ECHAND4B3              2
DDC  ADD    320  1   SUBSCRIBER LOOP             KS  ECHAND5A3              1
DDC  CHGFROM320  1   SUBSCRIBER LOOP             KS  ECHAND4B3              0
DDC  CHGTO  040  NRP PL OTH GOVT CONTRACT        CA  ECHAND4B3              1
DDC  CHGFROM320  1   SUBSCRIBER LOOP             KS  ECHAND4B3              1
DDC  CHGTO  040  NRP PL OTH GOVT CONTRACT        CA  ECHAND4B3              0
DDC  DEL    320  1   SUBSCRIBER LOOP             KS  ECHANDFI1              1
DDC  DEL    320  1   SUBSCRIBER LOOP             KS  ECHAND4A3              2
DDC  DEL    320  1   SUBSCRIBER LOOP             KS  ECHAND4B3              1
DDC  DEL    UNKÿÿCLASS CODE NOT FOUND IN TABLE   SE  ECHAND4A3              1
DDC  DEL    UNKÿÿCLASS CODE NOT FOUND IN TABLE   SE  ECHAND5A3              1
DMD  ADD    320  1   SUBSCRIBER LOOP             KS  ECHAND4A3              2
DMD  CHGFROM080  NRP DEFAULT CLASS CODE (T/DIS)  QQ  ECHAND4A3              1
DMD  CHGTO  320  1   SUBSCRIBER LOOP             KS  ECHAND4A3              0
DMD  CHGFROM080  NRP DEFAULT CLASS CODE (T/DIS)  QQ  ECHAND4A3              0
DMD  CHGTO  320  1   SUBSCRIBER LOOP             KS  ECHAND4A3              1
DVA  CHGFROM060  NRP PL OTH TELCO OCS            SN  MCHAND4B3              0
DVA  CHGTO  060  NRP PL OTH TELCO OCS            SN  ECHAND4B3              1
DVA  CHGFROM320  1   SUBSCRIBER LOOP             KS  MCHAND4B3              0
DVA  CHGTO  320  1   SUBSCRIBER LOOP             KS  ECHAND4B3              1
DVA  CHGFROMUNKÿÿCLASS CODE NOT FOUND IN TABLE   GB  MCHANTB3               0
DVA  CHGTO  UNKÿÿCLASS CODE NOT FOUND IN TABLE   GB  ECHANTB3               1
DVA  DEL    080  NRP DEFAULT CLASS CODE (T/DIS)  QQ  ECHANDX1               1
DVA  DEL    080  NRP DEFAULT CLASS CODE (T/DIS)  QQ  ECHANDX1Z              1
```

Figure R02-28. YDTSR02 Standard PC File (Summary)

R02.4.7 PC File (Detail) Format

The PC file (PCFILE2) has a length of 210 characters. Each data value is fixed fielded according to its length.

The format of the PC file can be either *Lotus 1-2-3* or STND.

STND: The file is in SDF format, that is, it contains no delimiters. Fields are padded with trailing blanks. Number fields are right justified with leading blanks. Numeric fields without data are set to zero.

Lotus: This has been tested using *Lotus for Windows Ver 1.1*. This file can also be loaded into *dBase III*™ or *PARADOX*™ or other database programs as a "," (comma) delimited file.

The first line of the PC file contains:

Record type 'H' - Header record

'H'	1 Character (Record Identifier)
PREV CONTROL DATE	8 Characters in CCYYMMDD format
CURR CONTROL DATE	8 Characters in CCYYMMDD format
RUN DATE	8 Characters in CCYYMMDD format
CPU	2 Characters
FILE DESCRIPTION	36 Characters

Succeeding lines will contain circuit detail activity data. For a description of each field, see Section R02.4. The data structure of this record is as follows.

dBase III is a registered trademark of Ashton-Tate Corporation.

PARADOX is a registered trademark of Borland International, Inc./Ansa Software

Record type ‘D’ - Circuit Activity For End Point Terminations

‘D’	1 Character (Record Identifier)
DR AREA	4 Character
CKT ACTIVITY	3 Characters
TERM ACTIVITY(Chg. only)	4 Characters
CAC	8 Characters
TGAC	8 Characters
CKT ID	45 Characters
LOCATION	11 Characters
SCID CODE	6 Characters
NODE ID	2 Characters
RC LINE	5 Characters
RC DESC	32 Characters
CLASS CODE	4 Character
TERM TYPE	1 Characters
EQP TYPE	4 Character
CHAN BANK	10 Characters
ECN	5 Characters

Figure R02-29. shows an example of a *Lotus*E format detail PC file.

```
"H","19980201","19980301","19980520","CP","  ","TERM COUNT ACTIVITY - CIRCUIT DETAIL"
"D","DC  ","DEL","    ","SMH2PS7 ","        ","  /CC  /202/727/4649/     /                ","WASHDCBN   ","      ","  ","049  ","EXCH MI PL
"D","DC  ","DEL","    ","SMH2PS7 ","        ","  /CC  /202/727/4649/     /                ","WASHDCDN   ","      ","  ","049  ","EXCH MI PL
"D","VA  ","CHG","FROM","SAK2TF6 ","        ","  /CL  /540/982/4421/     /                ","RONKVABK   ","      ","  ","047  ","EXCH MI PL
"D","VA  ","   ","TO  ","SAK2TF6 ","        ","  /CL  /540/982/4421/     /                ","RONKVABK   ","      ","  ","047  ","EXCH MI PL
"D","VA  ","DEL","    ","SJZ2YV3 ","        ","  /CL  /202/224/3349/     /                ","PNTGVADF   ","      ","  ","047  ","EXCH MI PL
"D","VA  ","DEL","    ","SAK2SY7 ","        ","  /CL  /540/982/4034/     /                ","RONKVABK   ","      ","  ","047  ","EXCH MI PL
"D","VA  ","DEL","    ","SAK2SY7 ","        ","  /CL  /540/982/4034/     /                ","RONKVALK   ","      ","  ","047  ","EXCH MI PL
"D","VA  ","DEL","    ","SAK2TB3 ","        ","  /CL  /540/982/4150/     /                ","RONKVABK   ","      ","  ","047  ","EXCH MI PL
"D","VA  ","DEL","    ","SAK2TB3 ","        ","  /CL  /540/982/4150/     /                ","RONKVALK   ","      ","  ","047  ","EXCH MI PL
```

Figure R02-29. YDTSR02 *Lotus 1-2-3* PC File (Detail)

Figure R02-30. shows an example of a standard format PC file (Detail).

```
H199802011998030119980519CP  TERM COUNT ACTIVITY - CIRCUIT DETAIL
DDC  DEL    SMH2PS7          /CC  /202/727/4649/     /                WASHDCBN          049  EXCH MI PL LCL                SE  ECHAND4A3      809
DDC  DEL    SMH2PS7          /CC  /202/727/4649/     /                WASHDCDN          049  EXCH MI PL LCL                SE  ECHAND5A3      809
DVA  CHGFROMSAK2TF6          /CL  /540/982/4421/     /                 RONKVABK         047  EXCH MI PL ST RA              GB  MCHANTB3       809
DVA     TO  SAK2TF6          /CL  /540/982/4421/     /                RONKVABK          047  EXCH MI PL ST RA              GB  ECHANTB3       809
DVA  DEL    SJZ2YV3          /CL  /202/224/3349/     /                PNTGVADF          047  EXCH MI PL ST RA              GB  ECHAND4A3      809
DVA  DEL    SAK2SY7          /CL  /540/982/4034/     /                RONKVABK          047  EXCH MI PL ST RA              GB  ECHANTB3       809
DVA  DEL    SAK2SY7          /CL  /540/982/4034/     /                RONKVALK          047  EXCH MI PL ST RA              GB  ECHAND4B3      809
DVA  DEL    SAK2TB3          /CL  /540/982/4150/     /                RONKVABK          047  EXCH MI PL ST RA              GB  ECHANTB3       809
DVA  DEL    SAK2TB3          /CL  /540/982/4150/     /                RONKVALK          047  EXCH MI PL ST RA              GB  ECHAND4B3      809
```

Figure R02-30. YDTSR02 Standard PC File (Detail)

R02.5 Abnormal Termination

The following conditions will result in termination of the process:

Condition Code 2007 - No header record found for file name
This could result from improper sort of data, the program not starting at the first tape, the prior program not completing correctly, or other processing malfunctions.

Condition Code 2009 - Invalid header record found on file name.
This could be a mismatch on CPU ID. A corrected input card is necessary to restart the process.

Condition Code 2011 - Internal Table Limit Exceeded.
Internal table limit exceeded while processing the table identified in the message.

Condition Code 2012 - Illegal Condition Code returned from the PL/I sort routine.
This condition code indicates that the value input on the transmittal did not appear on the internal table of valid DBOs. Correct the transmittal and resubmit.

Condition Code 2043 - If an input card has invalid field (code 5A), missing data (code 5B), space between or after fields not blank (code 5E), duplicate (code 5M), or limit exceeded (code 5N), the run is terminated with a condition code of 2043 and the TS-EDP report is produced showing the error message “Input requests missing or invalid. Processing Terminated”.

U04. YDTSU04 - Processing of Duplicate Equipment Data

U04.1 General Description

The YDTSU04 program processes the Equipment Details File, the Equipment Summary File, the Equipment Link file, and the Equipment Unit file currently produced by the TDIS system. The YDTSU04 program will also handle the Generic Interface Equipment Details File (YDTSEQPD), the Generic Interface Equipment Link File (YDTSEQPL), the Generic Interface Equipment Summary File (YDTSEQPS), and the Generic Interface Equipment Unit File (YDTSEQPU) from the Equipment validation run YDTSU03 of the TDIS Generic Interface process. These files are not required, unless you are processing data from a source other than the TIRKS Reports databases. Up to a maximum of five input datasets can be processed at one time. These five can be any combination of CPU ID and Data Source, including all datasets from an external source.

Within the YDTSU04 is a process to eliminate the existence of duplicate equipment complements, units, links, and summary records that may exist if a company has multiple processors or is using a source other than TIRKS Reports databases as a feeder system to TDIS. When duplicate equipment records are encountered (same EQUIPMENT ID’s, consisting of Location, HECI, and Relay Rack) in the merged Equipment files the following logic applies.

- The CPU and DATA SOURCE from each record is extracted and used to access the PRIORITY table which returns a priority value from the table.
- The record with the highest priority value is the record selected. A priority value of 1 is the highest. For more information on the PRIORITY table refer to the TDIS-ON-LINE TABLE UPDATE USER GUIDE (BR 759-200-003).
- Duplicate records are reported on the TS-GI41 report.

U04.2 Program Flow Diagram

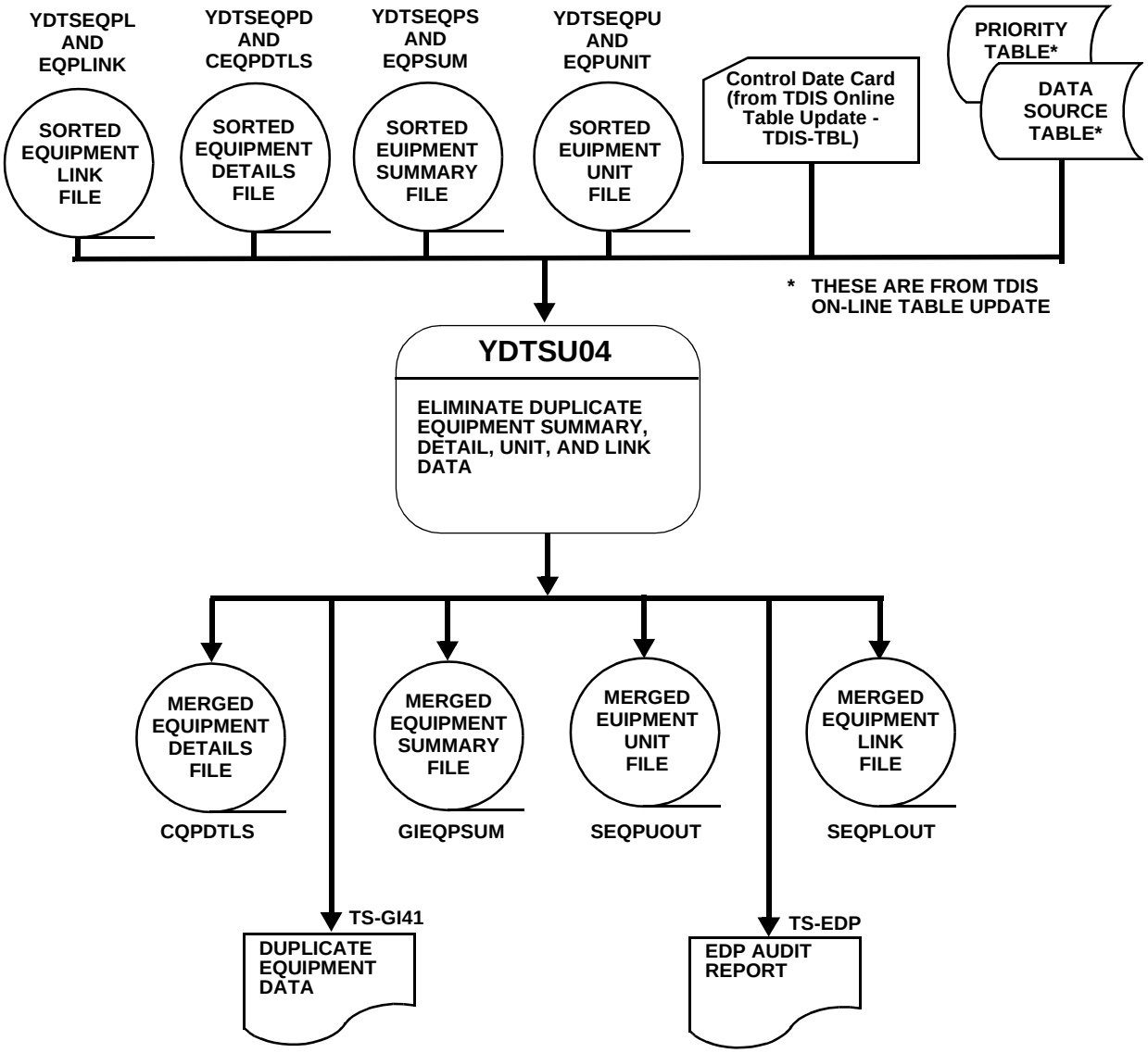


Figure U04-1. YDTSU04 Program Flow Diagram

U04.3 Inputs

U04.3.1 Transmittal to Request the Run

The following information must be supplied on the transmittal form:

1. RUN DATE - Specify the date this procedure is to be executed.
2. RUN SEQUENCING INFORMATION - If more than one run has been requested, it is necessary to specify the order in which the runs should be processed. Appendix B of the TDIS User Manual (BR 759-200-006) contains job sequencing information.
3. RECIPIENT OF OUTPUT - Name and address of the person(s) to whom the generated reports are to be delivered.

> **NOTE —** Maintenance of the control card for this procedure is done by the TDIS On-Line Tables Update Facility (TDIS-TBL).

U04.3.2 Input Cards

Parameter Card - This is created using the TDIS On-Line Tables.

Control Date Card - Use the TDIS On-Line Tables to set this to the correct value.

U04.4 Outputs

U04.4.1 TDIS Generic Interface - Duplicate Equipment Elimination

Duplicate records that are eliminated from the process are displayed on the TS-GI41 report. Each type of record (summary, detail, link, or unit) is reported upon in a separate section with the appropriate error message indicating which type of record is being eliminated.

The DATA will be displayed under the following headings:

- Location,
- HECI,
- Relay Rack,
- Unit,
- CPU,
- Data Source, and
- Error Message.

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BELLCORE - TDIS 6.0   ( BC )                                   RUN FOLDER: YDTSU04
REPORT: TS-GI41                                                         PROGRAM: YDTSU04     R-6.0
CONTROL DATE: 02/28/95                                                  RUN DATE:  04/29/96  13:11:47
                  TDIS GENERIC INTERFACE - DUPLICATE EQUIPMENT SUMMARY RECORDS      PAGE:         1

    LOCATION       HECI      RELAY RACK   UNIT   CPU DS             ERROR MESSAGE
    -----------  ---------- ----------   ------ --- --  ----------------------------------
    ALTNILAL01T  4T90120CAA  201.2011           DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    BLVLIL81     ERM0603CAB  01101.01           DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    BLVLIL81     ERM0603CST  01101.01           DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BBCBB12HRA  1111.01            DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BBCB676JRA  1111.55            DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BBSF111@AA                     DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BBSF116@AA                     DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR20000ARB  1101.01            DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR24M00ARA  100.01             DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR26KA06RP  1234.77            DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR26M00ARB  1201.02            DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR27M00ARA  0000.00            DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR27M00ARA  001101.01          DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR27M00ARA  001101.02          DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR27M00ARA  1111.11            DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR29KE05RA  1301.03            DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR44000ARA  00*183000          DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR44000ARA  1111.10            DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR44000ARA  1111.110           DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR44000ARA  1111.12            DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR44000ARA  1401.04            DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR44000ARA  48*114948          DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR44000ARA  58*101958          DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR44000ARA  8181.00            DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR46000ARB  101.01             DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR46000ARB  1501.05            DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     BR48B101RA  1601.06            DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     CONTROLLER  100.01             DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     DLC2120BRF  001.0001           DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     DLC2135ARL  01001.01           DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     DLC221FBRC  1414.14            DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     DLC2220BRA  2424.24            DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     DLC2220BRA  2525.25            DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     DLSE225ARA  1234               DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     DMM3410BRA  07WECO.01          DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     DMM3410BRA  07WECO.02          DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     DMM3410BRA  07WECO.03          DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     DMM3410BRA  07WECO.04          DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     DMM3410BRA  07WECO.05          DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     DXS0220ARA  0                  DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     DXS0220ARA  00                 DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     DXS0220ARA  001.0101           DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS
    STLSMO01     DXS0220ARA  01001.01           DL  B  TYPE 1 EQPSUM AND ASSOCIATED RECORDS


                                                PROPRIETARY
                                        BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure U04-2. TDIS Generic Interface - Duplicate Equipment Elimination

U04.4.2 Audit Report - TS-EDP

The first page, Multiple Processing Information, is always printed and will reveal the following conditions:

1. More than one header, for merged CPU/Data Source sites, on an input file.
2. Each file has one header, one CPU/Data Source site, and there is a date mismatch.
3. Header dates are more than the acceptable limit of seven days apart.
4. Duplicate header date, file name, CPU ID/Data Source.
5. Mismatch of CPU/Data Source sites amongst the input file names, i.e., missing files.

The following items are for verifying the accuracy and completeness of the process:

- EQUIPMENT SUMMARY FILE RECORDS READ
- EQUIPMENT SUMMARY FILE RECORDS ACCEPTED
- EQUIPMENT SUMMARY FILE RECORDS BYPASSED
- EQUIPMENT DETAIL FILE RECORDS READ
- EQUIPMENT DETAIL FILE RECORDS ACCEPTED
- EQUIPMENT DETAIL FILE RECORDS BYPASSED
- EQUIPMENT UNIT FILE RECORDS READ
- EQUIPMENT UNIT FILE RECORDS ACCEPTED
- EQUIPMENT UNIT FILE RECORDS BYPASSED
- EQUIPMENT LINK FILE RECORDS READ
- EQUIPMENT LINK FILE RECORDS ACCEPTED
- EQUIPMENT LINK FILE RECORDS BYPASSED
- REPORT TS-GI41 PAGES WRITTEN.

```
                                        * * * * D R P - T D I S * * * *
COMPANY: BELLCORE - TDIS 6.0   ( BC )                                   RUN FOLDER: YDTSU04
REPORT: TS-EDP                                                          PROGRAM: YDTSU04     R-6.0
CONTROL DATE: 02/28/95                                                  RUN DATE:  04/29/96  13:11:47
                                      EDP PROGRAM SUMMARY AND AUDIT REPORT      PAGE:         1

                                        MULTICPU PROCESSING INFORMATION
FILENAME  CPU  DS  DATE  CPU  DS  DATE
--------  ---  -- ------ ---  -- ------
EQPSUM  : DL   B  022895 BC   T  022895
CEQPDTLS: DL   B  022895 BC   T  022895
EQPUNIT : DL   B  022895 BC   T  022895
EQPLINK : DL   B  022895 BC   T  022895

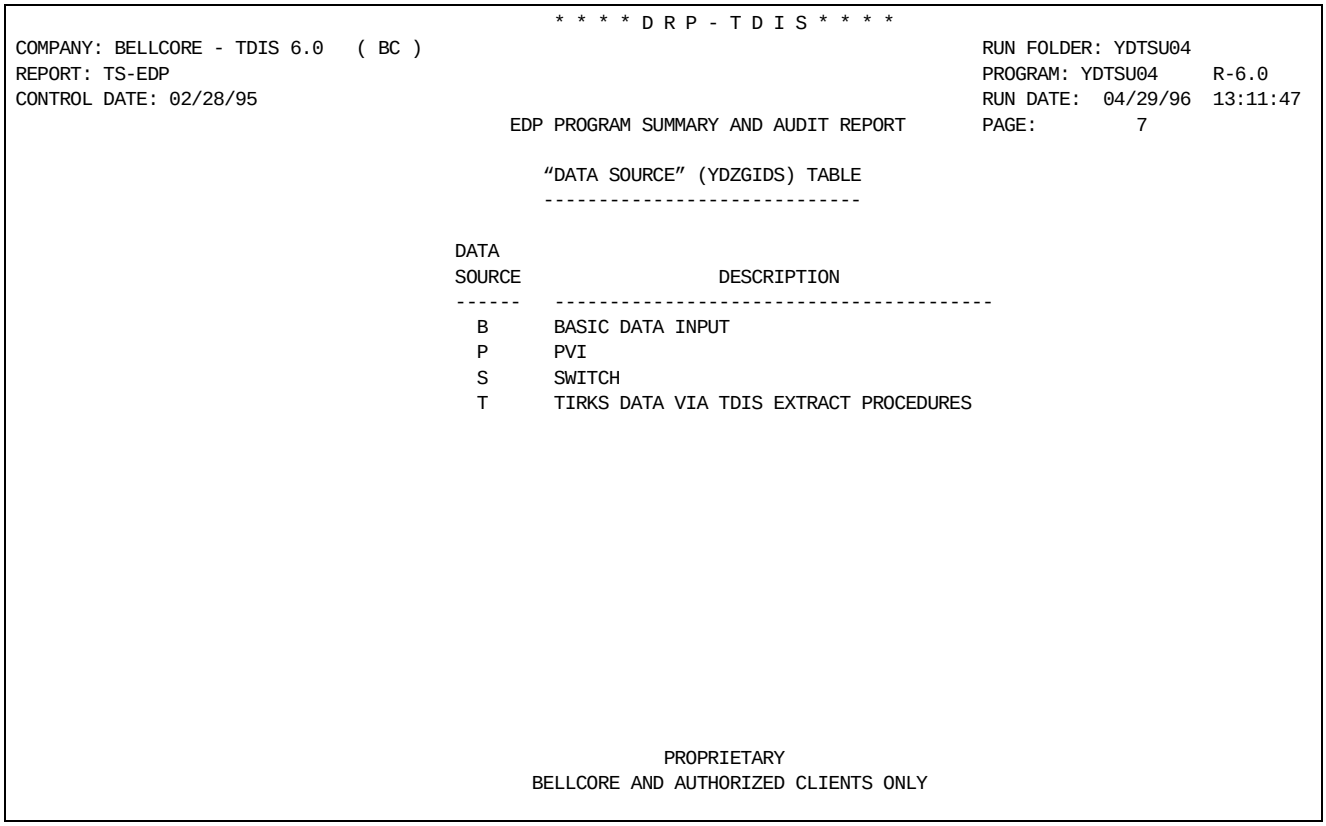
          FILENAME CPU DS  DATE
          -------- --- -- ------
MAX DATE: EQPSUM   DL  B  022895
MIN DATE: EQPSUM   DL  B  022895
DIFF DAYS:                    0

                            EQUIPMENT SUMMARY FILE RECORDS READ:                    =      25,781
                                                           ACCEPTED:                =      25,282
                                                           BYPASSED:                =         499
                            EQUIPMENT DETAIL FILE RECORDS  READ:                    =       4,375
                                                           ACCEPTED:                =       3,876
                                                           BYPASSED:                =         499
                            EQUIPMENT UNIT FILE RECORDS    READ:                    =     132,500
                                                           ACCEPTED:                =     132,001
                                                           BYPASSED:                =         499
                            EQUIPMENT LINK FILE RECORDS    READ:                    =     126,794
                                                           ACCEPTED:                =     126,295
                                                           BYPASSED:                =         499
                            REPORT TS-GI41 PAGES WRITTEN                            =          42




                                                  PROPRIETARY
                                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure U04-3. EDP Summary Report (Page 1)



```
                                    * * * * D R P - T D I S * * * *
COMPANY: BELLCORE - TDIS 6.0   ( BC )                                  RUN FOLDER: YDTSU04
REPORT: TS-EDP                                                         PROGRAM: YDTSU04     R-6.0
CONTROL DATE: 02/28/95                                                 RUN DATE:  04/29/96  13:11:47
                                 EDP PROGRAM SUMMARY AND AUDIT REPORT  PAGE:         7

                                    "DATA SOURCE" (YDZGIDS) TABLE
                                    -----------------------------

                                DATA
                                SOURCE                 DESCRIPTION
                                ------   ---------------------------------------
                                  B      BASIC DATA INPUT
                                  P      PVI
                                  S      SWITCH
                                  T      TIRKS DATA VIA TDIS EXTRACT PROCEDURES









                                                    PROPRIETARY
                                          BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure U04-4. Data Source Table Used in YDTSU04

This figure of the audit reports shows the **Data Source Table**.

```
                                    * * * * D R P - T D I S * * * *
COMPANY: BELLCORE - TDIS 6.0   ( BC )                                   RUN FOLDER: YDTSU04
REPORT: TS-EDP                                                          PROGRAM: YDTSU04     R-6.0
CONTROL DATE: 02/28/95                                                  RUN DATE:  04/29/96  13:11:47
                                      EDP PROGRAM SUMMARY AND AUDIT REPORT      PAGE:         8

                                   "FILES TO BE PROCESSED" (YDZGIPR) TABLE
                                   ---------------------------------------

                                            DATA     DATABASE
                                     CPU    SOURCE   PRIORITY
                                     ---    ------   --------
                                     AE       B        005
                                     BC       B        002
                                     BC       T        001
                                     DL       B        011
                                     DL       T        014
                                     MS       A        010
                                     NE       B        003
                                     NJ       A        008
                                     NY       C        013
                                     OB       A        006
                                     PA       B        007
                                     PT       A        012
                                     SW       A        004
                                     WT       B        009









                                   * * * * * *  END OF REPORT  * * * * * *
                                              PROPRIETARY
                                     BELLCORE AND AUTHORIZED CLIENTS ONLY
```

Figure U04-5. Files to be Processed Table Used in YDTSU04

This figure of the audit report shows the **Priority Table**.

U04.5 Abnormal Termination

The following conditions could result in termination of the process:

Condition Code 2005 - Invalid CPU or Control Date.
This condition code indicates that the control date or CPU ID is missing or invalid in the CNTLDTE card.

Condition Code 2007 - No Header Record Found For File Name.
This condition code may be the result of improper sort of data, the program not starting at the first tape, the prior program not completing correctly, or other processing malfunctions.

Condition Code 2009 - Invalid Header Record.
This condition code may indicate that there is a mismatch on the CPU ID between the input card and the data being accessed, that the control card does not match the header record, or that the header record date is outside the range dictated by the TDIS logic.

Condition Code 2029 - INVALID CONVERSION LEVEL on FILE
The file identified in the message was created with a file layout that is not supported by the current level of the program. Check the TDIS HOT LINE to see if there is a conversion run that will reformat this file to the proper layout.

Appendix A

A.1 CPU Processing IDs

CPU IDs are required because TDIS is designed to report on company data with one or more processing sites. Due to either the area covered or the size of the data inventory, several companies have multiple processing sites.

The TDIS merge processes, required for single and multiple CPU companies, begin with the company identified central or corporate site. This site has the responsibility of processing its own data, as well as data from the other site(s), to develop the corporate view.

Circuit-related data may span CPUs with only one CPU responsible for the complete circuit design. Therefore, a distinction must be made as to where the data originated.

Both the local CPU site(s) and the corporate site can produce reports. For a multiple CPU company, reports generated at a single CPU site may provide inaccurate or incomplete data.

Table A-1 identifies valid CPU IDs.

Table A-1. Valid CPU IDs

REGION	COMPANY	CPU ID
NYNEX	New England Telephone Company	NE
	New York Telephone Company	NY
Bell Atlantic	C & P Telephone Company	CP
	New Jersey Bell Telephone Company	NJ
	Bell of Pennsylvania	PA
BellSouth	Southern Georgia	GA
	North Carolina	NC
	North Florida	NF
	South Florida	SF
	Corporate	SB
	SCB Corporate	SC
	South - Mississippi and Louisiana	AS
	North - Alabama and Kentucky	AN
	East - Tennessee	AE
Southwestern	Southwestern Dallas	DL
	St. Louis	SL
	Corporate	SW
Ameritech	Illinois Bell Telephone Company	LB

Table A-1. Valid CPU IDs (Continued)

REGION	COMPANY	CPU ID
	Indiana Bell Telephone Company	NB
	Michigan Bell Telephone Company	MB
	Ohio Bell Telephone Company	OB
	Wisconsin Bell Telephone Company	WT
US West	Mountain State Telephone Company	MS
	Northwestern Bell Telephone Company	NW
	Pacific Northwest Bell Telephone Co.	PN
Pacific Bell	Pacific Telephone Company	PT* Telesis
CBT	Cincinnati Bell Telephone Company	CB
SNET	Southern New England Telephone Co.	SN England

* Not currently using TDIS

A.2 Database Owner

DBO is a two-character code that identifies the processing company, i.e., the company running the job. Certain TDIS procedures use the DBO parameter to deduce if equipment and facilities are owned by the processing company by comparing the ownership marking on the inventory records to the DBO value. Valid DBOs are listed below.

CB	CP	IN	LB	MB
MS	NB	NE	NJ	NW
NY	OB	PA	PN	PT
SB	SC	SN	SW	WT

CAUTION — Accidental entry of a similar and valid DBO, such as ‘‘NW’’ for ‘‘NE’’, will not cause a program abort or an error message. Instead, the incorrect code will be used for a default ownership code and will cause inaccuracies in TDIS final reports.

A.2.1 Calculation of the DRP Equivalent Circuit Count

The DRP equivalent circuit count is calculated for each facility unit based on the contents of the multiwire indicator and assignment subdivision fields that were extracted from the TIRKS system. Logic for this decision in provided in Table A-2.

Table A-2. Equivalent Circuit Count

MULTIWIRE INDICATOR	ASSIGNMENT SUBDIVISION	DRP EQUIVALENT CIRCUIT COUNT	PAIR COUNT
BLANK	BLANK	1.0	1.0
BLANK	T or R	0.5	0.5
1	BLANK, T or R	1.0	T or R 0.5
	FULL	1.0	
2	BLANK	1.0	1.0
2	T or R	0.5	0.5
3	BLANK	1.0	1.0
3	T or R	0.0	0.5
A	BLANK	0.5	1.0
A	T or R	0.25	0.5
4	BLANK	0.5	1.0
4	T or R	0.25	0.5
5	BLANK	0.5	1.0
5	T or R	0.0	0.5
B	BLANK	0.3334	1.0
B	T or R	0.1667	0.5
OTHER VALUE	BLANK	0.0	1.0
ALL OTHER VALUES	T or R	0.0	

If the value of the extracted assignment subdivision field is not equal to full (10), tip (11), or ring (22), it will default to full (1) for purposes of this calculation.

NOTE — The YDTS220 will force the carrier multiwire to blank, thus making the CKTCOUNT equal 1.0.

A.3 Calculation of DRP Equivalent Pair Count

The DRP equivalent pair count is calculated for each cable unit based on the contents of the assignment subdivision field that was extracted from TIRKS. If the value of the extracted subdivision is not equal to full (10), tip (11), or ring (22), it will default to full (10) for purposes of this calculation. (See Table A-2.)

A.4 Determination of Point of Presence

The POP designations were required for divestiture. Originally this was a separate TIRKS table, but these values are now included in the TDIS LATA table. The only code that is currently being used in TDIS logic is a POP of "I" (independent company location checks). The valid entries and their definitions are as follows, for reference purposes:

- ''I'' - The location is an Independent company
- ''C'' - The location is a CLEC (Competitive Local Exchange Company)
- ''X'' - The location is an Information Service Provider
- ''L'' - The location is a Long Distance and CLEC mixed
- ''M'' - The location is a POP for message circuits
- ''S'' - The location is a POP for special service circuits
- ''F'' - The location is a POP for carrier circuits
- ''Y'' - The location is a POP for all circuits
- ''N'' - Blank or any other value not specified above - The location is not a POP for any circuit.

A.5 Divested Administrator/Ownership Marking Rules

This data will appear on the CXRO screen for carrier and on the CBLV screen for cable. This entry is comprised of four characters as follows:

For carrier systems, the first character denotes the administrator of the system, the second character is always a dash (-), the third character denotes who owns the channel bank at the low alphabetic location, and the fourth character denotes who owns the channel bank at the high alphabetic location. The only valid entries for characters 1, 3, and 4 are either ''B'' (BCC owned) or ''X'' (Non-BCC owned). The length data associated with this marking should be ''0.0''.

For cable complements, this should be a two-character entry equal to the DBO, provided the BCC owns and uses the cable. Cables owned by another company but used by the BCC

should be marked IXDBO. Cables owned by the BCC and leased to others should be marked DBOIX. (DBO = DBO, IX = Other Company.) The first character should not be ‘‘B’’ unless there are non-owned systems in your database.

A.6 Classification of Circuit as Working/Non-Working

The circuit status is determined for each circuit to be working (W) or non-working (N) based on the CLO data posted to the circuit. The CLO data is analyzed in sequence beginning with the first set of data read from the extracted TIRKS Circuit Inventory data file (C1/INVENTORY).

> **NOTE —** This data is extracted from the CKTSR and TGMR screens in TIRKS, not from the Activity field at the facility unit level.

An initial check is made for the presence of a valid assignment stack (one or more occurrences of data and the first CLO action equal to In-Effect [IE]). If a valid assignment stack does not exist, the circuit status is set to non-working (N).

If a valid assignment stack exists, the number of occurrences of CLO data is determined. If there is only one entry on the stack and the entry is IE, the status is set to W.

If there are multiple occurrences of CLO data posted to a circuit and the first occurrences are IE, the stack is searched for a pending disconnect (D or DS). If D or DS is not found, the circuit status is set to W. If a pending disconnect is found, the CLO Due Date is compared to the input control date. If the due date is greater than the control date, the circuit status is set to W. If the due date is less than the control date, the circuit status is set to N.

A.7 Classification of Facility Complement as Working/Non-working

The overall facility status of each complement is determined to be W or N based on the facility utilization Inventory Status at the header level, which is extracted from the TIRKS system. Multiple occurrences of utilization data may exist for each facility complement. If any of the utilization segments have an inventory status of IE, Pending Change (PC), or Pending Removal (PR), the overall facility status is set to W. If none of these values is found, the status is set to N.

A.8 YDTS100 - Background of the DRDD Table

The DRDD table contains three elements:

1. DR CIRCUIT TYPE - This is a five-character code that identifies the service type, tariff considerations, bandwidth, or bit rate.

2. DR GROUP CODE - This is a two-character code that identifies the jurisdiction or physical geographic location of a facility. The code may also identify certain service capabilities.

   The standard codes are as follows:

   - I - Interexchange
   - E - Exchange
   - M - Mixed Facility (Exchange for Message and Interexchange for Special Service)
   - A - Interexchange Telegraph
   - B - Exchange Telegraph
   - T - Tie/Intrabuilding Cable/Carrier
   - S - Subscriber
   - F - Interexchange Channelized HICAP
   - R - Exchange Channelized HICAP
   - N - Subscriber Channelized HICAP.

   Additional codes, up to a maximum of 100, may be added to meet specific company requirements.

3. DR CLASS CODE - This is a two-character code used to direct mileage/termination counts to specific separations categories. This code resides at the intersection of the DR Circuit Type and the DR Group Code on the DRDD table matrix.

* * * B I S – D R P – T / D I S * * *

COMPANY: BELLCORE TEST 4.1 (OB)
REPORT: TS–ID01
CONTROL DATE:

RUN FOLDER: YDTS1100
PROGRAM: YDTS110 R–3.3
RUN DATE: 11/05/91 14:58:57
PAGE: 1 (1 OF 1)

DRDD TABLE INQUIRY REPORT
DR FACILITY GROUP CODES

DR CKT TYPE	A	B	DR FACILITY CLASS CODES E	F	I	N	R	S	T
AAF11			JN	UR	IP	UR	UR	JN	30
AAI11			JN	UR	IG	UR	UR	JN	30
AAP11			JN	UR	IP	UR	UR	JN	30
ABA11			JN	UR	IG	UR	UR	JN	30
ABA12			JO	UR	SG	UR	UR	JO	34
ACA11			IG	UR	IG	UR	UR	IG	30
ACA12			SG	UR	SG	UR	UR	SG	34
ACE12			JO	UR	SG	UR	UR	JO	34
ACG21	IT	JN	JN	UR	3T	UR	UR	JN	30
ACG22	4T	JO	JO	UR	6T	UR	UR	JO	34
ACH81			ZM	UR	ZL	UR	UR	ZK	39
ACL11			JN	UR	IG	UR	UR	JN	30
ACL12			JO	UR	SG	UR	UR	JO	34
ACN11			IG	UR	IG	UR	UR	IG	30
ACN12			SG	UR	SG	UR	UR	SG	34
ACS11			JN	UR	IG	UR	UR	JN	30
ACV11			JN	UR	IG	UR	UR	JN	30
ACV12			JO	UR	SG	UR	UR	JO	34
ACW11			JN	UR	IG	UR	UR	JN	30
ACW12			JO	UR	SG	UR	UR	JO	34
ACZ11			JN	UR	IG	UR	UR	JN	30
ACZ12			JO	UR	SG	UR	UR	JO	34
ADA61			P7	UR	P7	UR	UR	P7	30
ADI11			JN	UR	IG	UR	UR	JN	30
ADI12			JO	UR	SG	UR	UR	JO	34
ADM12			JO	UR	SG	UR	UR	JO	34
ADP41			P5	UR	P5	UR	UR	P5	30
ADP42			W3	UR	W3	UR	UR	W3	34
ADQ51			P6	UR	P6	UR	UR	P6	30
ADQ52			W4	UR	W4	UR	UR	W4	34
ADR61			P7	UR	P7	UR	UR	P7	30
ADR62			W5	UR	W5	UR	UR	W5	34
ADS61			P7	UR	P7	UR	UR	P7	30
ADS62			W5	UR	W5	UR	UR	W5	34
ADW71			P8	UR	P8	UR	UR	P8	30
ADW72			W6	UR	W6	UR	UR	W6	34
AEA11			JN	UR	IG	UR	UR	JN	30
AEC11			MC	YR	MA	YS	YS	MC	25
AEE11			MC	YR	MA	YS	YS	MC	25
AEN11			MC	YR	MA	YS	YS	MC	25
AEW11			JN	UR	IG	UR	UR	JN	30
AEW12			JO	UR	SG	UR	UR	JO	34
AFD11			JN	UR	IG	UR	UR	JN	30

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Figure A-1. DRDD Table

Appendix B

B.1 TDIS Warning/Message Codes

There are eight types of generic TDIS error messages, Types 1 to 8. The first character of any TDIS message code (e.g., 2B) is a digit from 1 to 8 to identify the message type. The second character is alphabetic and distinguishes each message code within a type.

Any procedure that could generate a TDIS message code would print the entire list of TDIS Type 1 to 8 message codes. The error list is then printed at the beginning of the error analysis report for that run.

The message code listing printed on TDIS reports contains the following:

- All TDIS message codes and their descriptions.
- The TDIS files for which each of the Type 1 through 4 codes can be found. Type 5 codes are for transaction request errors in data and files; they are not printed with the other types. Type 6 codes are not stored in the files. Type 7 codes represent Generic Interface data eliminated from Processing. Type 8 codes identifies record where data has been altered because of validations.

  Two-character file abbreviations are indicated adjacent to the message codes to denote files as follows:

  CD Circuit Details

  ED Equipment Details

  ES Equipment Summary

  FS Facility Summary.
- A description of each message type (1 to 8) precedes each of the eight lists of messages. Table B-1 provides the report descriptions.

Table B-1. Error Message Types and Descriptions

TYPE	DESCRIPTION AND ACTION
1	**DISCREPANCY MESSAGES** **ACTION:** ASSOCIATED DATA IS STORED AND NOT USED IN ANY DR CLASS CODE CALCULATION **APPLICABLE FILES:** CD/ED/ES/FS
2	**WARNING MESSAGES** **ACTION:** DATA STORED AND USED IN CLASS CODE CALCULATIONS, BUT MAY PRODUCE QUESTIONABLE RESULTS **APPLICABLE FILES:** CD/ED/FS
3	**CRITICAL DISCREPANCY MESSAGES** **ACTION:** TIRKS DATA REJECTED - THESE RECORDS ARE NOT RETAINED IN ANY TDIS FILES **APPLICABLE FILES:** CD/ED/ES/FS
4	**CORRECTION MESSAGES** **ACTION:** DATA CORRECTED BY TDIS **APPLICABLE FILES:** CD/ED/ES/FS
5	**UPDATE/INQUIRY REQUEST CRITICAL ERROR MESSAGES** **ACTION:** TRANSACTION IS REJECTED **APPLICABLE FILES:** THESE CODES ARE NOT STORED IN THE FILES
6	**REPORT WARNING MESSAGES** **ACTION:** DEFAULT DATA USED IF POSSIBLE, OTHERWISE DATA IS ELIMINATED FROM PROCESSING **APPLICABLE FILES:** THESE CODES ARE NOT STORED IN THE FILES
7	**CRITICAL DISCREPANCY MESSAGES FOR GENERIC INTERFACE** **ACTION:** GENERIC INTERFACE DATA REJECTED - THESE RECORDS ARE NOT RETAINED IN ANY TDIS FILES **APPLICABLE FILES:** GICKT/GIFACS/GIFACD/GIEQPS/GIEQPD/GIEQPL/GIEQPL
8	**CORRECTABLE INVALID DATA** **ACTION:** GENERIC INTERFACE DATA MODIFIED AND REPORTED - THESE RECORDS ARE KEPT FOR FURTHER PROCESSING **APPLICABLE FILES:** GICKT/GIFACS/GIFACD/GIEQPS/GIEQPD/GIEQPL/GIEQPL

B.2 Condition Codes

Table B-2 is a reference chart of the condition codes that may be received during the TDIS processing cycle. These condition codes may indicate errors, discrepancies, warnings, or successful run completion.

Table B-2. Condition Codes (Sheet 1 of 10)

CONDITION CODE	ASSOCIATED DESCRIPTION/CAUSE/ CORRECTIVE ACTION	PROCEDURE
0	This condition code is received for a successful TDIS run. For MARK IV it is applicable to one or more reports being sorted.	511
2	This condition code is received for a successful print only run.	
4	This condition code is caused by a syntax coding error or a missing input file that prevents MARK IV program from executing.	511
8	This condition code is for a successful MARK IV run if a single unsorted report is generated or if no reports are generated.	
16	This condition code is received from the MARK IV programs only and may be accompanied by any of the following messages: a. Input control ET card missing or invalid (extraction programs only). Processing terminated. b. Creation date input does not match creation date on tape (MMDDYY). Processing terminated (extraction programs only). c. System software problems (all TDIS MARK IV programs).	200 205
2005	EDP STATEMENT - Invalid or blank CPU or control date. CAUSE - This condition code indicates that the control date or CPU ID is missing or invalid in the CNTLDTE card.	220 240 290 R01

Table B-2. Condition Codes (Sheet 2 of 10)

CONDITION CODE	ASSOCIATED DESCRIPTION/CAUSE/ CORRECTIVE ACTION	PROCEDURE
2007	EDP STATEMENT - No header record found for filename. Please correct and resubmit. CAUSE - This condition code may result from improper sort of data, the program not starting at the first tape, the prior program not completing correctly, or other processing malfunctions. CORRECTIVE ACTION - Verify the input tapes, analyze the audit report 7500 of the prior program, review any message codes and consult the system coordinator. When errors are resolved, it will normally be necessary to obtain additional/corrected TIRKS tapes to restart the process.	215 220 240 290 300 500 510 600 620 650 720 722 730 731 750 790 R01 R02
2008	EDP STATEMENT - Invalid single site CPU run.	220 R01

Table B-2. Condition Codes (Sheet 3 of 10)

CONDITION CODE	ASSOCIATED DESCRIPTION/CAUSE/ CORRECTIVE ACTION	PROCEDURE
2009	EDP STATEMENT - Invalid header record found on filename. Please correct and resubmit. Additional information associated with this condition code will be printed on the first page of the report. CAUSE - 1. Mismatch on CPU ID 2. Header record date out of range 3. Header record does not match CNTLDTE. CORRECTIVE ACTION - 1. Verify CPU ID and submit corrected input card. 2. Verify date and obtain new input tapes to restart the process. Date must be within 8 days on merge processes. 3. Verify the date and submit new input card or obtain new input tapes. Date must be within plus or minus 1 day on extract processes.	215 220 240 300 500 510 600 620 650 720 722 730 731 750 790 R01 R02
2010	EDP STATEMENT - DRP ‘‘tblname’’ table is invalid.	170 240 300 500 600 720
2011	EDP STATEMENT - Internal table limit exceeded while processing. DRP ‘‘tblname’’ table. CAUSE - For the YDTS600, this indicates more than 1000 entries on the report control table. CORRECTIVE ACTION - Contact Bellcore to have the internal table limit value increased.	100 240 500 720 R01 R02
2012	EDP STATEMENT - Error condition encountered from PLISRT. Processing terminated. See PL/I Traceback report for details.	170 300 500 620 650 730 731 790 R01 R02

Table B-2. Condition Codes (Sheet 4 of 10)

CONDITION CODE	ASSOCIATED DESCRIPTION/CAUSE/ CORRECTIVE ACTION	PROCEDURE
2013	INTERNAL TABLE LIMIT EXCEEDED	290 790
2014	EDP STATEMENT - CXE indicator in Facility Summary File is not ‘‘C’’ or ‘‘X’’. Processing terminated. CAUSE - This condition should not occur. If it does, it may be the result of processing malfunctions in YDTS220.	290
2017	TDIS FILE INVALID	300 500
2018	ABNORMAL CONDITION ENCOUNTERED IN ACCESSING EXTCKSS RECORDS - Every circuit must have a header record (type 1) and all EXTCKTSS records must be in ascending order by CAC and record type. If any of these sequence requirements are violated, the run will be terminated with a file sequence report and the CAC and record type will be printed on the traceback report.	300
2019	EDP STATEMENT - Sequence error encountered while accessing the Merged Facility Summary File.	220 300 410 600 650
2020	EDP STATEMENT - No facility summary data found on the extracted Facility Summary Data File for facility unit. Processing terminated.	290
2021	EDP STATEMENT - Number of facility units assigned to nonexistent circuits exceeds threshold value. Processing terminated. CAUSE - Threshold value exceeded. CORRECTIVE ACTION - Increase the threshold value on the panel for YDTS300.	300

Table B-2. Condition Codes (Sheet 5 of 10)

CONDITION CODE	ASSOCIATED DESCRIPTION/CAUSE/ CORRECTIVE ACTION	PROCEDURE
2022	EDP STATEMENT - Number of facility units assigned to nonexistent circuits exceeds threshold value. Processing terminated. CAUSE - Threshold value exceeded. CORRECTIVE ACTION - (SAME AS FOR 2021)	300
2023	EDP STATEMENT - Invalid threshold parameter. Processing 500 terminated. CAUSE - Non-numeric values were input in the threshold field. CORRECTIVE ACTION - Correct the panel for YDTS500.	300
2024	EDP STATEMENT - Unloaded TIRKS DRDD table is invalid. Processing terminated. Call Bellcore	100
2025	EDP STATEMENT - Invalid Database Owner (XX) parameter. Processing terminated. CAUSE - A value other than those listed on the internal table was input on the transmittal form. CORRECTIVE ACTION - Correct the DBO value on the transmittal and resubmit.	215 220 240 722
2026	EDP STATEMENT - Extract control card(s) invalid or missing. Processing terminated. CAUSE - This indicates an invalid or missing dates on the control card panels.	220 300

Table B-2. Condition Codes (Sheet 6 of 10)

CONDITION CODE	ASSOCIATED DESCRIPTION/CAUSE/ CORRECTIVE ACTION	PROCEDURE
2027	EDP STATEMENT - Number of equipment subdivisions assigned to nonexistent circuits exceeds threshold value. Processing terminated. CAUSE - (SAME AS 2021) CORRECTIVE ACTION -	500
2028	EDP STATEMENT - Number of equipment subdivisions assigned to non-working circuits exceeds threshold value. Processing terminated. CAUSE - (SAME AS 2021) CORRECTIVE ACTION -	
2029	INVALID CONVERSION LEVEL on FILE - The file identified in the message was created with a file layout that is not supported by the current level of the program CAUSE - Processing a file created with old programs. CORRECTIVE ACTION - Contact TDIS HOTLINE for proper conversion run	220 290 300 400 410 500 510 600 620 650 700 710 715 720 722 730 731 750 780 790 R01 U04
2030	EDP STATEMENT - Error encountered while adjusting DRP Counts in the DRP Facility Summary Data File. Processing terminated. CAUSE - Circuit Details Extraction counts record is found for nonexistent facility complement. CORRECTIVE ACTION - Obtain new TIRKS input tapes and reprocess.	

Table B-2. Condition Codes (Sheet 7 of 10)

CONDITION CODE	ASSOCIATED DESCRIPTION/CAUSE/ CORRECTIVE ACTION	PROCEDURE
2031	EDP STATEMENT - No complement data found on the DRP Facility Summary and/or Facility Complement Unit Counts file for facility unit. Processing terminated.	
2032	EDP STATEMENT - No summary data found on the Facility Complement Unit Counts File for Facility Complement. Processing terminated.	
2033	EDP STATEMENT - Error encountered while adjusting DRP Counts in the DRP Equipment Summary File. Processing terminated. CAUSE - This condition code occurs if a DRP Equipment Details record is found that cannot be matched to an Equipment Complement based on the Equipment Identification Data, or that cannot be matched to any Divested Administrator recorded on the DRP Equipment Summary file for the corresponding complement. CORRECTIVE ACTION - Request to input tapes and reprocess.	510
2034	EDP STATEMENT - No circuit data found on the Circuit Details 7500 Facility Length File for Equipment subdivision. Processing terminated. CAUSE - An equipment subdivision appeared in the equipment details file, but corresponding circuit identification was not available in the circuit details facility length file. CORRECTIVE ACTION - Existing files are out of sync, request new files or tapes and reprocess.	722 750

Table B-2. Condition Codes (Sheet 8 of 10)

CONDITION CODE	ASSOCIATED DESCRIPTION/CAUSE/ CORRECTIVE ACTION	PROCEDURE
2040	EDP STATEMENT - Invalid Report Selection Parameter (x). Processing terminated. CAUSE - A value other than zero or one was input on the transmittal form. CORRECTIVE ACTION - Correct the transmittal and resubmit.	
2041	EDP STATEMENT - Invalid sort selection parameter (x). Processing terminated. CAUSE - A value other than zero, one, or two was input. CORRECTIVE ACTION - Change the processing panel for 620.	620
2042	EDP STATEMENT - Invalid CONTROL DATE or CPU ID parameter. CAUSE - For CPU ID - value not on internal list of valid two-character codes. CORRECTIVE ACTION - Correct JCL and resubmit.	
2043	EDP STATEMENT - Input requests missing or invalid. Processing terminated. CAUSE - Input cards rejected by program edits or no input card found. CORRECTIVE ACTION - Correct input cards on the correct panel and resubmit the job.	410 600 620 650 720 722 730 731 750 790 R01 R02

Table B-2. Condition Codes (Sheet 9 of 10)

CONDITION CODE	ASSOCIATED DESCRIPTION/CAUSE/ CORRECTIVE ACTION	PROCEDURE
2050	EDP STATEMENT - Bad IMS status code returned from DLI call. CAUSE - After an IMS DLI call is issued to retrieve a database segment, the program determines whether the retrieval was successful by examining the Status Code field in the PCB. If the status code is bad, condition code 2050 is generated and the process is terminated.	215 220 240
2051	EDP STATEMENT - Unexpected segment name returned. Processing terminated. CORRECTIVE ACTION - Correct input cards and resubmit.	215 240
2071	EDP STATEMENT - The number of divested administrators per DR AREA exceeded the program limit of 25. CAUSE - As defined in EDP statement. CORRECTIVE ACTION - Correct input and resubmit.	
2072	EDP STATEMENT - The number of specified DR AREAs found for a generic DR AREA such as XXxx (the last position can be any character) exceeds the program limit of 20. CAUSE - As defined in EDP statement. CORRECTIVE ACTION - Correct input and resubmit.	
2073	EDP STATEMENT - The owner-user code of (xx) is invalid. CAUSE = As defined in EDP statement CORRECTIVE ACTION - Correct transmittal and resubmit.	

Table B-2. Condition Codes (Sheet 10 of 10)

CONDITION CODE	ASSOCIATED DESCRIPTION/CAUSE/ CORRECTIVE ACTION	PROCEDURE
2080	EDP STATEMENT - Internal Class Codes Limit is Exceeded.	
2098	EDP STATEMENT - Circuit Types Exceed Maximum Value of ‘‘max value’’. Processing terminated.	
2099	EDP STATEMENT- Study Areas Exceed Maximum Value of ‘‘max value’’. Processing terminated.	

B.3 TDIS Table Restoration Procedures

B.3.1 General Information

The master copy and latest generation of each TDIS table are backed up via the YDTS050 archive procedure and restored via the YDTS060 restore procedures.

B.4 Scheduling of TDIS Processing Procedures and Master Work Sheet

B.4.1 Sequence of TDIS Processes

Figure B-1 on the following page illustrates the sequence of the TDIS processing phases. Each phase is a logical separation or grouping of procedures.

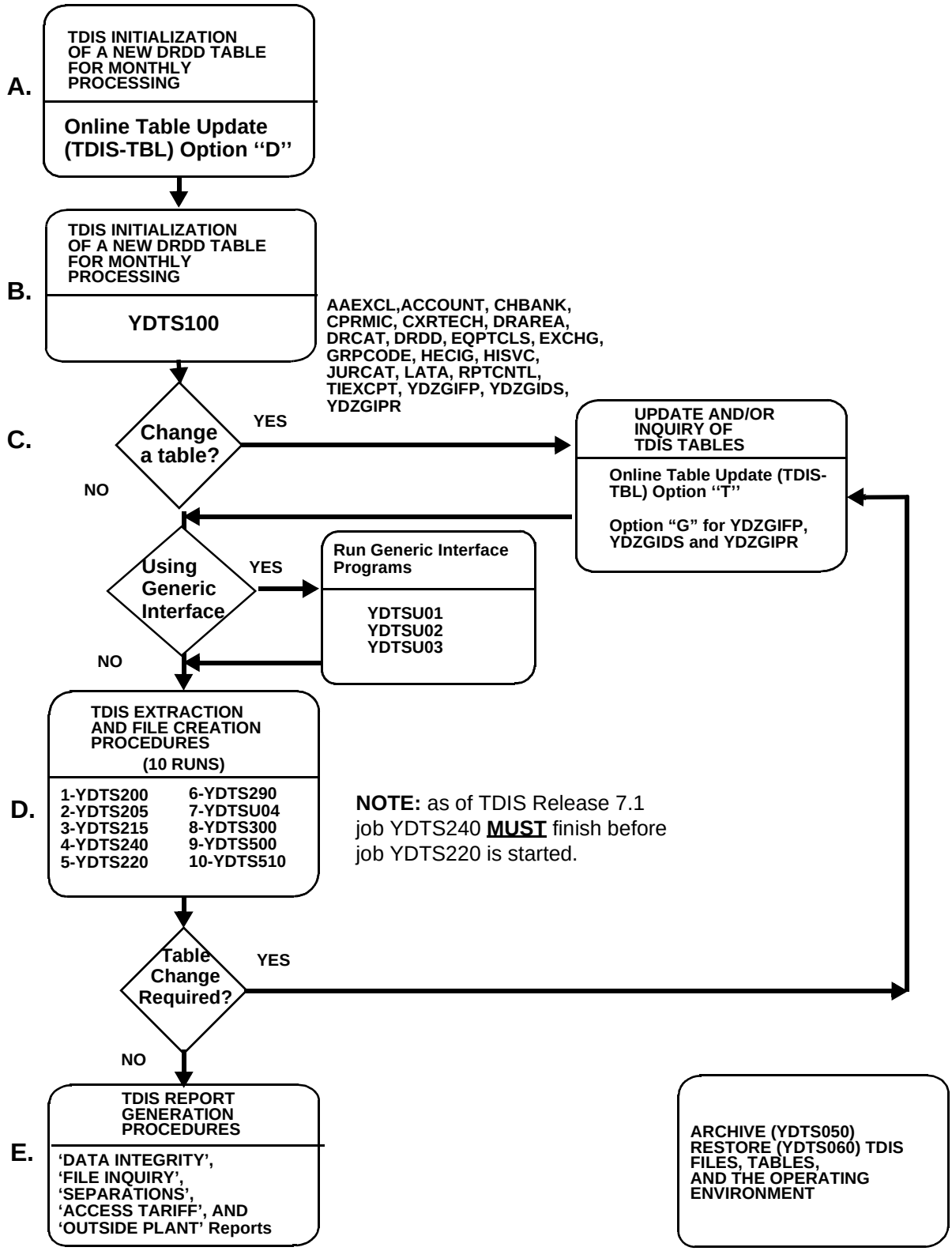

Figure B-1. Sequence of TDIS Processes

B.4.2 TDIS Processing Master Worksheet

The following worksheet is organized by the major phases of the TDIS processing. The individual runs are listed with each phase.

As each run is completed satisfactorily, the TDIS system coordinator or person of similar responsibility should record the run date in the space provided on the form. When the processing cycle is completed, the worksheet may be kept as a permanent record of the activity of the cycle.

This worksheet can be considered a manual activity log that summarizes what has and what should occur in a processing cycle.

TDIS Processing Master Worksheet (1 of 5)

CONTROL DATE _____ **CPU ID** _____

This worksheet may be used to record the successful completion of the batch run processing groupings A, B, C, D, and E, respectively. Grouping F procedures (YDTS050 and YDTS060) can be processed any time in the cycle, when needed, in accordance with local requirements.

Within a grouping, there are no job sequence requirements unless the procedures are numbered on the worksheet and Transmittal forms or a note specifies a prerequisite run. Example: Under D, procedures numbered 1 to 6 must be run in that order.

A. **RECORD CONTROL DATE AND CPU ID FOR MONTHLY PROCESSING** TDIS-TBL _____

B. **TDIS INITIALIZATION OF A NEW DRDD TABLE FOR MONTHLY PROCESSING** YDTS 100 _____

C. **TDIS TABLE MAINTENANCE PROCEDURES**
(As needed for BCC/IDC requirements)
TDIS-TBL _____

TDIS Processing Master Worksheet (2 of 5)

D. TDIS EXTRACTION AND FILE CREATION PROCEDURES

CREATION SEQUENCE NUMBER	PROCEDURE	
1.	EXTRACT TIRKS CIRCUIT INVENTORY DATA	YDTS 200* _____
	EXTRACT TIRKS SPAN LINE DETAILS DATA	YDTS 205* _____
	EXTRACT SCID AND SCAD DATA	YDTS 215* _____
	EXTRACT TIRKS EQUIPMENT DETAILS DATA	YDTS 240† _____
2.	EXTRACT TIRKS CABLE AND CARRIER DETAILS DATA	YDTS 220 _____
3.	MERGE DRP FACILITY DETAIL AND FACILITY SUMMARY WITH GENERIC INTERFACE FACILITY DETAILS AND FACILITY SUMMARY	YDTS 290‡ _____
	MERGE DRP EQUIPMENT DETAILS, SUMMARY, LINK, AND UNIT WITH GENERIC INTERFACE EQUIPMENT DETAILS, SUMMARY, LINK, AND UNIT	YDTSU04‡ _____
4.	CREATE CIRCUIT DETAILS FACILITY LENGTH FILE AND THE APPENDED DRP FACILITY SUMMARY FILE	YDTS 300 _____
5.	EQUIPMENT DETAILS MERGE PLACEMENT AND DR CLASS CODE GENERATION	YDTS 500 _____
6.	ACCUMULATE DR CLASS CODE COUNTS ON MERGED EQUIPMENT SUMMARY DATA	YDTS 510 _____

* The 200, 205, and 215 jobs may be run concurrently.

† The YDTS240 job must finish before the YDTS220 job starts as of TDIS Release 7.1.

‡ The YDTS290 and YDTSU04 jobs may be run concurrently.

TDIS Processing Master Worksheet (3 of 5)

E. **TDIS REPORT GENERATION PROCEDURES** (using input from the Primary Files created in the above steps) - 'DATA INTEGRITY', 'FILE INQUIRY', 'SEPARATIONS' and 'ACCESS TARIFF', and 'OUTSIDE PLANT' REPORTS.

All the procedures listed under Item E below can be processed in any order.

TDIS DATA INTEGRITY REPORT PROCEDURES

- GENERATE FACILITY SUMMARY DATA REPORT — YDTS 650 _____
- GENERATE MULTIPOINT CIRCUIT EXCEPTION REPORT — YDTS 700 _____
- GENERATE JURISDICTIONAL CATEGORY REPORTS — YDTS 710 _____
- CREATE LOCAL TRANSPORT REPORT — YDTS 715 _____
- GENERATE CIRCUIT COMPONENTS DATA BY INTEGRITY REPORT — YDTS 750 _____

TDIS FILE INQUIRY REPORT PROCEDURES

- GENERATE EQUIPMENT UTILIZATION REPORT(S) — YDTS 511 _____
- GENERATE FACILITY SUMMARY INQUIRY REPORT — YDTS 620 _____
- REPLACEMENT OF STARS — YDTS 720 _____
- GENERATE CIRCUIT COMPONENTS INQUIRY REPORT — YDTS 722 _____

TDIS Processing Master Worksheet (4 of 5)

TDIS SEPARATIONS, ACCESS TARIFF, AND OUTSIDE PLANT REPORT PROCEDURES

SEPARATIONS REPORTS

- GENERATE MILEAGE REPORTS AND GENERATE LOTUS FILE — YDTS 600 _____
- GENERATE KCT TRUNK COUNT REPORT — YDTS 730 _____
- GENERATE HICAP MILEAGE REPORTS — YDTS 731 _____
- GENERATE THE NONCONFORMING, INTERSTATE-INTRALATA, CORRIDOR, AND UNIDENTIFIED LATA REPORTS — YDTS 780 _____
- GENERATE CIRCUIT AND CLASS CODE ACTIVITY REPORTS — YDTS 790 _____
- GENERATE CIRCUIT EQUIPMENT TERMINATION COUNTS — YDTS R01 _____
- GENERATE CIRCUIT EQUIPMENT TERMINATION COUNT ACTIVITY REPORTS — YDTS R02 _____
- **TDIS OUTSIDE PLANT PROCEDURES**
- CREATE OUTSIDE PLANT UTILIZATION DATA FILES — YDTS 400 _____
- CREATE OUTSIDE PLANT NORMALIZED UTILIZATION REPORTS — YDTS 410 _____
- CREATE OUTSIDE PLANT UTILIZATION REPORTS — YDTS 420 _____
- CREATE OUTSIDE PLANT INVESTMENT FILE AND REPORTS — YDTS 440 _____

TDIS Processing Master Worksheet (5 of 5)

F. **ACTIVITY LOG REPORT, FILE RESTORATION, AND THE ARCHIVE PROCEDURE**

- ARCHIVE TDIS OUTPUT FILES, TABLES, AND THE OPERATING ENVIRONMENT YDTS 050 _____
- RESTORE TDIS OUTPUT FILES, TABLES, AND THE OPERATING FILES YDTS 060 _____

B.4.3 TDIS Transmittal Forms for Requesting a Run

The DRP-TDIS System Administrator or person of similar responsibility can use the TDIS transmittal forms to convey run requests to the EDP Coordinator.

All TDIS transmittal forms can be found in the ‘‘DRP-TDIS Transmittal Forms’’ document.

B.5 TDIS Manual Inputs and Printed Outputs Reports

Table B-3. TDIS Manual Inputs and Printed Outputs Reports (Sheet 1 of 15)

PROCEDURE NUMBER	USER-SUPPLIED INPUTS		PRINTED USER OUTPUTS
	EXECUTION PARAMETERS	CARDS	
YDTS050 (ARCHIVE PROCEDURE)	MONTH YEAR	—	TS-EDP (FILE VALIDATION)
YDTS060(RESTORE WHAT YDTS050 ARCHIVED)	MONTH YEAR	—	—
YDTS100	CPU ID	—	TS-EDP
YDTS170	CPU ID	—	PRINTOUT OF EACH TABLE GENERATION SELECTED FOR USE IN THE BATCH PROCESS

Table B-3. TDIS Manual Inputs and Printed Outputs Reports (Sheet 2 of 15)

PROCEDURE NUMBER	USER-SUPPLIED INPUTS		PRINTED USER OUTPUTS	
	EXECUTION PARAMETERS	CARDS		
YDTS200	CPU ID	On-line Tables	TS-PDDD:	PAST DUE DISCONNECTED AND SPARE DETAIL REPORT FOR NON-MESSAGE
			TS-PDDS:	PAST DUE DISCONNECTED AND SPARE SUMMARY REPORT FOR MESSAGE
			TS-4DER:	CIRCUIT DETAILS INTEGRITY REPORT
			TS-DRER:	FAMILY DR CIRCUIT TYPE ERROR REPORT
			TS-NOID:	CIRCUIT DETAILS INTEGRITY REPORT: NO CIRCUIT ID SEGMENTS
			TS-EDP	
YDTS205	CPU ID	On-line Tables	TS-ES01:	SPAN DATABASE LINE CAC INCONSISTENCY REPORT
			TS-ES02:	SPAN DATABASE CAC INCONSISTENCY REPORT
			TS-EDP	
YDTS215	CPU ID	On-line Tables	TS-SF01:	SONET FACILITY DETAIL CREATION ERROR EPORT
			TS-EDP(2)	YDTS215 AND YDTS216

Table B-3. TDIS Manual Inputs and Printed Outputs Reports (Sheet 3 of 15)

PROCEDURE NUMBER	USER-SUPPLIED INPUTS		PRINTED USER OUTPUTS	
	EXECUTION PARAMETERS	CARDS		
YDTS220	CPU ID	On-line Tables	TS-EC01:	FACILITIES DETAILS DATA VALIDATION REPORT
			TS-EF01:	FACILITY SUMMARY DATA VALIDATION REPORT
			TS-EX01:	CARRIER MULTIWIRE INDICATOR WARNING REPORT
			TS-IR04:	FACILITIES WITH NON BLANK LAST TWO BYTES (PAGE BREAK FOR CABLE AND CARRIER)
			TS-EDP	

Table B-3. TDIS Manual Inputs and Printed Outputs Reports (Sheet 4 of 15)

PROCEDURE NUMBER	USER-SUPPLIED INPUTS		PRINTED USER OUTPUTS	
	EXECUTION PARAMETERS	CARDS		
YDTS240	CPU ID	On-line Tables	TS-EQ01:	EQUIPMENT DETAILS DATA VALIDATION REPORT
			TS-EQ02:	INVALID ECN REPLACEMENT REPORT
			TS-EQ03:	MIS-MATCHED ECN ASSIGNMENT REPORT
			TS-EQ04:	HECIG CODES NOT FOUND IN EQUIPMENT REPORT
			TS-EQ05:	HECIG PATTERNS WITH ASSIGNED ECN(s) REPORT
			TS-EQ06:	TIRKS HECIG TO ECN CONFLICT REPORT
			TS-CKT:	BAD SPANCAC TRANSLATION REPORT
			TS-EDP(2)	YDTS240 AND YDTS245
YDTS290	CPU ID	On-line Tables	TS-DF01:	DUPLICATE FACILITY COMPLEMENTS AND UNITS REPORT
			TS-EDP	
YDTSU04	CPU ID	On-line Tables	TS-GI41:	DUPLICATE EQUIPMENT RECORDS REPORT
			TS-EDP	

Table B-3. TDIS Manual Inputs and Printed Outputs Reports (Sheet 5 of 15)

PROCEDURE NUMBER	USER-SUPPLIED INPUTS		PRINTED USER OUTPUTS	
	EXECUTION PARAMETERS	CARDS		
YDTS300	CPU ID	On-line Tables	TS-CXR1:	CXR CKTS WITH NO ASSOCIATED CXR FACILITY
			TS-CXR2:	CXR LINK VALIDATION
			TS-ER3A:	FACILITY UNITS ASSIGNED TO NONEXISTENT CKTS
			TS-ER3C:	FACILITY UNITS ASSIGNED TO WORKING CKTS EXCEEDS MAX
			TS-PC01:	NO MATCH OF DRDD TABLE
			TS-PC02:	BCC FACILITY SEQUENCING ERROR REPORT
			TS-PC03:	TRANSITING MILES CORRECTION REPORT - DR CIRCUIT MISMATCH - ERROR PROCESSING SUMMARY
			TS-PC04:	REPORT OF MULTIPLE CIRCUITS EXCEEDING FOUR
			TS-PC05:	CIRCUIT PROCESSING ERROR REPORT
			TS-PC06:	TIE INCONSISTENCY ERROR REPORT

Table B-3. TDIS Manual Inputs and Printed Outputs Reports (Sheet 6 of 15)

PROCEDURE NUMBER	USER-SUPPLIED INPUTS		PRINTED USER OUTPUTS
	EXECUTION PARAMETERS	CARDS	
YDTS300 (CONTINUED FROM PREVIOUS PAGE)		—	TS-EF02: FACILITY SUMMARY DATA VALIDATION REPORT TS-CXR3: CARRIER NORMALIZATION INTEGRITY REPORT TS-HIER: FACILITY HIERARCHY REPORT TS-PC07: NONMATCHED FACILITY RECORDS REPORT TS-EDP(4): FOR PROGRAMS YDTS300, 305, 310, AND 325
YDTS400	CPU ID DATABASE OWNER WORK FILE OPTION	On-line Tables	TS-OP50: CATEGORIZATION ERROR REPORT TS-OP51: EQUIVALENT GAUGE CONVERSION ERROR REPORT TS-OP60: SUPPLEMENTAL USAGE CARDS VALIDATION REPORT TS-OP61: OWNER AND USER UNDETERMINED REPORT TS-OP99: OUTSIDE PLANT UTILIZATION SUMMARY REPORTS TS-EDP

Table B-3. TDIS Manual Inputs and Printed Outputs Reports (Sheet 7 of 15)

PROCEDURE NUMBER	USER-SUPPLIED INPUTS		PRINTED USER OUTPUTS	
	EXECUTION PARAMETERS	CARDS		
YDTS410	CPU ID DATABASE OWNER (DBO)	On-line Tables	TS-OP50: TS-OP51: TS-OP61: TS-OP99: TS-EDP	CATEGORIZATION ERROR REPORT EQUIVALENT GAUGE CONVERSION ERROR REPORT OWNER AND USER UNDETERMINED REPORT OUTSIDE PLANT UTILIZATION SUMMARY REPORTS
YDTS420	CPU ID	On-line Tables	TS-OP00: TS-OP01: TS-OP02: TS-OP03: TS-OP04:	CABLE (NON-LOADED) CATEGORY MILEAGE REPORT CABLE (NON-LOADED) MEMO CATEGORY MILEAGE REPORT CABLE (LOADED) CATEGORY MILEAGE REPORT CABLE (LOADED) MEMO CATEGORY MILEAGE REPORT CABLE (COMBINED) CATEGORY MILEAGE REPORT

Table B-3. TDIS Manual Inputs and Printed Outputs Reports (Sheet 8 of 15)

PROCEDURE NUMBER	USER-SUPPLIED INPUTS		PRINTED USER OUTPUTS	
	EXECUTION PARAMETERS	CARDS		
YDTS420 (CONTINUED FROM PREVIOUS PAGE)			TS-OP05: TS-OP10: TS-OP11: TS-OP20: TS-OP21: TS-OP30: TS-OP31: TS-EDP	CABLE (COMBINED) MEMO CATEGORY MILEAGE REPORT FIBER CATEGORY MILEAGE REPORT FIBER MEMO CATEGORY MILEAGE REPORT CARRIER CATEGORY MILEAGE REPORT CARRIER MEMO CATEGORY MILEAGE REPORT CABLE COMPLEMENT PROFILE REPORT FIBER COMPLEMENT PROFILE REPORT
YDTS440	CPU ID		TS-O101: TS-O102: TS-O103: TS-O104:	DOPAC INTERFACE FILE ERROR REPORT DOPAC INTERFACE FILE WARNING REPORT CPR/MIC TABLE SEARCH FAILURE REPORT ACCOUNT AND CPR/MIC TABLE DISCREPANCY REPORT
YDTS440 (CONTINUED FROM PREVIOUS PAGE)			TS-O109: TS-EDP	OUTSIDE PLANT INVESTMENT SUMMARY REPORT

Table B-3. TDIS Manual Inputs and Printed Outputs Reports (Sheet 9 of 15)

PROCEDURE NUMBER	USER-SUPPLIED INPUTS		PRINTED USER OUTPUTS	
	EXECUTION PARAMETERS	CARDS		
YDTS5000	CPU ID	THRHLD RPTSEL (0 or 1) On-line Tables	TS-PQ01: TS-3ERR: TS-HIER: TS-EQPU: TS-EDP(3):	EQUIPMENT DETAILS PLACEMENT/DR CLASS CODE GENERATION ERROR REPORT ERROR REPORT - EQUIPMENT IDENTIFICATION EQUIPMENT HIERARCHY REPORT EQUIPMENT UNIT ERROR REPORT FOR PROGRAMS YDTS500, 501, AND 505
YDTS510	CPU ID	—	TS-PQ02: TS-EDP	EQUIPMENT SUMMARY DR CLASS CODE COUNT ACCUMULATION ERROR REPORT
YDTS511	CPU ID	—	TS-EI05: TS-EDP	EQUIPMENT UTILIZATION REPORT
YDTS600	CPU ID	On-line Tables	TS-IF1D: TS-IF1S: TS-EDP	MILEAGE DETAIL REPORTS MILEAGE SUMMARY REPORTS
YDTS620	CPU ID	SORT SELECTION CRITERIA (0, 1, or 2) On-line Tables	TS-IF03: TS-EDP	FACILITY SUMMARY INQUIRY REPORT

Table B-3. TDIS Manual Inputs and Printed Outputs Reports (Sheet 10 of 15)

PROCEDURE NUMBER	USER-SUPPLIED INPUTS		PRINTED USER OUTPUTS	
	EXECUTION PARAMETERS	CARDS		
YDTS650	CPU ID	On-line Tables	TS-IF02: TS-EDP	FACILITY SUMMARY DATA INTEGRITY REPORT
YDTS700	CPU ID	—	TS-IC01: TS-EDP	MULTIPOINT CIRCUIT EXCEPTION REPORT
YDTS710	CPU ID	On-line Tables	TS-CK01: TS-EDP	CKT COUNTS BY JURISDICTIONAL CATEGORY REPORT
YDTS715	CPU ID	On-line Tables	TS-CK01: TS-EDP	TRANSPORT TYPE COUNTS AND MILES REPORT
YDTS720	CPU ID	PAGE LIMIT On-line Tables	TS-EDP(2): TS-ST01: TS-ST02: TS-ST03: TS-ST04:	YDTS720 YDTS725 STRAPS INTERFACE FILE REPORT DATA ANALYSIS CROSS-BOUNDARY TANDEM REPORT DATA ANALYSIS CORRIDOR REPORT DATA ANALYSIS EXCLUDED TRUNK REPORT
YDTS722	CPU ID	PAGE LIMIT On-line Tables	TS-IC03: TS-EDP	CIRCUIT COMPONENTS INQUIRY REPORT

Table B-3. TDIS Manual Inputs and Printed Outputs Reports (Sheet 11 of 15)

PROCEDURE NUMBER	USER-SUPPLIED INPUTS		PRINTED USER OUTPUTS
	EXECUTION PARAMETERS	CARDS	
YDTS730	CPU ID	DATA BASE OWNER (DBO) On-line Tables	TS-IC05: KCT TRUNK COUNT REPORT - EXCHANGE TRUNK DETAILS SECTION - WATS ACCESS LINE DETAILS SECTION - LONG DISTANCE LINE SECTION TS-EDP
YDTS731	CPU ID	On-line Tables	TS-IC20: HI CAP MEMO MILES SUMMARY REPORT TS-IC21: HI CAP MEMO MILES DETAIL REPORT TS-IC22: HI CAP MEMO MILES EXCEPTION REPORT TS-IC27: CHANNELIZED HI-CAP DETAIL REPORT (AND DR CIRCUIT TYPE SUMMARY PAGE) TS-IC28: CHANNELIZED HI-CAP BY LOCATION REPORT TS-IC29: HI CAP CARRIER SYSTEMS WITH NO MATCHING CIRCUIT ID TS-EDP

Table B-3. TDIS Manual Inputs and Printed Outputs Reports (Sheet 12 of 15)

PROCEDURE NUMBER	USER-SUPPLIED INPUTS		PRINTED USER OUTPUTS	
	EXECUTION PARAMETERS	CARDS		
YDTS750	CPU ID	On-line Tables	TS-IC02:	CIRCUIT COMPONENTS DATA INTEGRITY REPORT
			TS-EDP	YDTS750 YDTS751
YDTS780	CPU ID	OPTION (for report selections) On-line Tables	TS-IR03S:	NON-CONFORMING SPECIAL SERVICE CIRCUIT DETAIL REPORT
			TS-IR03M:	NON-CONFORMING MESSAGE CIRCUIT DETAIL REPORT
			TS-IR03:	NON-CONFORMING MILEAGE CIRCUIT REPORT
			TS-IR05S:	INTERSTATE-INTRALATA SPECIAL SERVICE CIRCUIT DETAIL REPORT
			TS-IR05M:	INTERSTATE-INTRALATA MESSAGE CIRCUIT DETAIL REPORT
			TS-IR05:	INTERSTATE-INTERLATA MILEAGE SUMMARY REPORT
			TS-IR06S:	CORRIDOR SPECIAL SERVICE CIRCUIT DETAIL REPORT
			TS-IR06M:	CORRIDOR MESSAGE CIRCUIT DETAIL REPORT

Table B-3. TDIS Manual Inputs and Printed Outputs Reports (Sheet 13 of 15)

PROCEDURE NUMBER	USER-SUPPLIED INPUTS		PRINTED USER OUTPUTS
	EXECUTION PARAMETERS	CARDS	TS-IR06: CORRIDOR MILEAGE SUMMARY REPORT TS-IR07: UNIDENTIFIED LATA REPORT TS-EDP
YDTS790	CPU ID	On-line Tables	TS-CA1C: CARRIER CIRCUIT ACTIVITY REPORT TS-CA1M: MESSAGE CIRCUIT ACTIVITY REPORT TS-CA1S: SPECIAL SERVICE CIRCUIT ACTIVITY REPORT TS-CA2C: CARRIER CIRCUIT CLASS CODE ACTIVITY REPORT TS-CA2M: MESSAGE CIRCUIT CLASS CODE ACTIVITY REPORT TS-CA2S: SPECIAL SERVICE CIRCUIT CLASS CODE ACTIVITY REPORT TS-EDP

Table B-3. TDIS Manual Inputs and Printed Outputs Reports (Sheet 14 of 15)

PROCEDURE NUMBER	USER-SUPPLIED INPUTS		PRINTED USER OUTPUTS	
	EXECUTION PARAMETERS	CARDS		
YDTSR01	CPU ID	On-line Tables	TS-IR08:	CIRCUIT EQUIPMENT TERMINATION COUNTS AT END, MID AND BRIDGE LOCATIONS
			TS-IR08A:	CIRCUIT EQUIPMENT TERMINATION COUNTS AT END AND BRIDGE LOCATION-89 VIEW
			TS-IR09:	CIRCUIT EQUIPMENT TERMINATION COUNTS BY LOCATION, ECN, AND CLASS CODE
			TS-IR10:	UNDETERMINED LATA CODES
			TS-IR11:	UNDETERMINED OWNERSHIP CHARACTERISTIC BCC DEFAULTED
			TS-IR12:	EXCLUDED CIRCUIT EQUIPMENT ECNS
			TS-IR13:	EXCLUDED DI-GROUP ECNS
			TS-IL01:	INTERLATA RECORDS DISCARDED
			TS-IR15:	CIRCUIT VERIFICATION FOR TS-IR08 REPORT TERMINATIONS
			TS-EDP:	EDP PROGRAM SUMMARY AND AUDIT REPORT

Table B-3. TDIS Manual Inputs and Printed Outputs Reports (Sheet 15 of 15)

PROCEDURE NUMBER	USER-SUPPLIED INPUTS		PRINTED USER OUTPUTS	
	EXECUTION PARAMETERS	CARDS		
YDTSR02	CPU ID	On-line Tables	TS-SM01:	CIRCUIT EQUIPMENT TERMINATION ACTIVITY-LINE NUMBER SUMMARY
			TS-SM02:	CIRCUIT EQUIPMENTACTIVITY-NET CLASS CODE SUMMARY
			TS-DE01:	CIRCUIT ACTIVITY FOR END POINT TERMINATIONS-FOR LINES: NNN-NNN
			TS-DE02:	CIRCUIT ACTIVITY FOR END POINT TERMINATIONS-FOR RC LINES EXCEEDING THRESHOLD
			TS-EDP:	EDP PROGRAM SUMMARY AND AUDIT REPORTS

Appendix C

C.1 Facility Unit Status Determination Associated with YDTS220

When the DRP Facility Details File is created, the program examines each facility unit and determines whether the unit is working or spare. Only working units and the associated assignment activity data are retained in the TDIS system.

The status of each unit is determined by examining the Primary/Alternate Assignment indicator, the Assignment Restriction code, the Unit Availability flag, and the Assignment Activity data for the unit. The following rules are applied, in the order listed, until a decision can be reached:

1. If there is no assignment data or only alternate circuit assignments, the unit is considered spare.
2. For cable units, the assignment data is searched for the last full pair assignment. If one is found, the following tests are made until a decision of working or spare is made.
   A. If the Primary/Alternate Assignment indicator is ‘‘A’’ for alternate, the assignment is bypassed.
   B. If the Unit Availability flag is zero, the facility unit is spare.
   C. If no Assignment Activity has been posted to the unit, it is classified as spare.
   D. If the Assignment Activity posted to the full pair facility is unit ‘‘R’’ for rearrange and no other assignments are posted, the facility unit is classified as working.
   E. If multiple Assignment Activities are posted, the following tests are applied to each code until a decision is made.
      — If the code is ‘‘$’’, the unit is Spare.
      — If the code is ‘‘W’’, the unit is Working.
      — If the code is ‘‘D’’, the unit assignment stack is searched further for the occurrence of a ‘‘W’’ or ‘‘$’’. If either of these action codes is found and the due date of the ‘‘D’’ (disconnect) action is greater or equal to the control date, the unit is classified as working. If the disconnect date is less than the control date, the unit is classified as spare.
3. If no full pair assignment is found for a cable unit, the assignment data is searched for the most recent working tip, ring, or both assignment. The tip or ring assignment is considered working if one or more ‘‘R’’ (rearrange) actions exist, using the logic described in Step 2D above. Working assignments are written to the DRP Facility Details File if they exist. Otherwise, the unit is considered spare.
4. For carrier channels, Steps 2A through 2E are followed.

C.2 Determination of Divested Administrator - Facility Complements Associated with YDTS220

The divested administrator for each cable or carrier facility complement is determined from the owner/length data, on the facility header, as follows:

The owner/length fields are searched for the first occurrence of zero length. If one is found, the first two characters of the owner field will contain the divested administrator code, and this data is retained in the file.

If no divested administrator data is contained on the zero length line, the program will apply the default of ‘‘BCC Administered and Used’’. For carrier complements, this value will be ‘‘B-’’. For cable complements, the database owner parameter input to the program will be recorded.

C.3 Valid ECNs and HECIG Code Patterns

YDTS240 searches for a HECIG code match in the HECIG to ECN table created in the TDIS-TBL system. YDTS220 searches for a HECIG code match in the HECIG to ECN Revised table created by YDTS240 using the HECIG/ECN mapping provided by E1/ CATALOG. The use of the revised HECIG table provides a more accurate match for carriers. The purpose of this matching is to establish an ECN. The matching is done with progressively less precise HECIG patterns until a match is found.

The ‘‘x’’, ‘‘b’’, ‘‘*’’, and ‘‘#’’ characters shown in the HECIG patterns of table entries are applied as follows:

x An ‘‘x’’ within the valid HECIG code patterns denotes the positions of specific alphanumeric characters for the HECIG table entry.

b A ‘‘b’’ within the valid HECIG code patterns denotes the positions of blank spaces for the HECIG table entry.

‘‘b’’ is shown in this text to denote a BLANK space (no table entry). The users will leave these positions blank in the table.

Blank spaces of the table HECIG are not matched to any YDTS220 or YDTS240 HECIG characters; thus, any character is acceptable to the HECIG matching process.

* The ‘‘*’’ within each valid HECIG code pattern indicates the character positions in the table HECIG where ‘‘*’’ must appear.

Any **letter** within a YDTS220 or YDTS240 HECIG would be a successful match to the table HECIG character ‘‘*’’.

The ‘‘*’’ within each valid HECIG code pattern indicates the character positions in the table HECIG where ‘‘#’’ must appear.

Any **number** within a YDTS220 or YDTS240 HECIG would be a successful match to the table HECIG character ‘‘#’’.

Table C-1 lists the valid HECIG patterns for table entries. (The search sequence [of the HECIG patterns] used by programs YDTS220 and YDTS240 is shown for information only.)

Table C-1. Valid HECIG Patterns

**SEARCH SEQUENCE	HECIG PATTERN	**SEARCH SEQUENCE	HECIG PATTERN
1.	xxxxx	5B.	xxx*
2A	xxxxbbb#	6.	xxx
2B.	xxxxbb*	7A.	xx#
3A.	xxxx#	7B.	xx*
3B.	xxxx*	8A.	xxbbbbb#
4.	xxxx	8B.	xxbbbb*
5A	xxx#	9.	xx

* When an A or B is part of the SEARCH SEQUENCE number, then both numbers (2A and 2B, 3A, and 3B, etc.) are at the same level in the priority search order. Which is accessed first (A or B) depends on the contents of the input data.

Appendix D

D.1 Circuit Sequencing Associated with YDTS300

For each circuit in the Circuit Details File, an attempt is made to sequence the facilities assigned to that circuit. Sequencing is the process of placing the facilities in end-to-end order from the originating to the terminating location. If a circuit can be totally or partially sequenced, all facility units are assigned a sequence code to indicate their relative position in the circuit. If sequencing cannot be done or is only partially completed, an error code of 2H, or 2I is stored with the circuit data in TDIS. If the circuit that could not be sequenced was a BCC circuit, it is output on the YDTS300 Facility Sequencing Error Report TS-PC02.

The first step in the sequencing process is to identify the originating and termination locations of the particular circuit. This is accomplished as follows:

For Special Service Circuits, the TIRKS fields of Special Service Location A and Z are used as the Circuit Location A and Z endpoints. For message and carrier circuits, Circuit Location A and Z contained in the Circuit ID field are used. If any circuit is open ended, meaning that circuit has 3 or 4 endpoints, the secondary circuit location endpoints are stored in the TIRKS fields Location A2 and Location Z2.

The second step is to categorize the facilities as Tie, Protection, SONET (ring or chain), Carrier Networks or Trunk. Then, identify all cross-sections with two or more facility units that have the same terminal locations at an eleven-character match of the CLLI within the Tie and Trunk groups. The facilities within each cross-section will be assigned the same sequence code. For example, two cable pairs between the same terminal locations would have the same sequence code, indicating this is a 4-wire circuit.

Once the end points have been determined and the cross-sections identified, the Circuit A Location(s) are used to find one facility unit that has terminal location(s) that match. The sequence used in matching is first Tie, second SONET ring or chain, third Carrier Networks and fourth trunks. Protection is assigned the sequence number available after all the other facilities have been sequenced. This match is first attempted at the 11-character level and then at the 8-character level. When a match is found, the facility unit is assigned a sequence code (described below), and the other facility terminal location(s) of the matched unit is used to find the next facility unit in the transmission path. This process is repeated until the facility terminal used to do the matching is the same as the Circuit Z Location(s) and all facility units are included in the sequence. This indicates that the circuit has been successfully sequenced from A Location(s) to Z Location(s).

If a match cannot be found at some point in the process, the circuit is marked as having a sequencing error. An attempt is then made to sequence as much of the circuit as possible starting at Circuit Z Location(s). The same process as described previously is used.

A sequence code is a numerical value that indicates the relative position of a facility in the transmission path of a circuit. The numbering begins at Circuit A Location(s) and the first facility in the sequence is assigned the code number 1; the second facility is numbered 2, etc., until the last facility in the sequence that matches Circuit Z Location(s) is encountered. In the event that a break occurs in the facility sequence (a path from Circuit Location A to Location Z could not be established) the facilities that can be partially sequenced are assigned sequence codes 1, 2, etc. Those facilities that can be partially sequenced starting at Circuit Location Z are assigned negative numbers, i.e., -1, -2, etc. This numbering indicates the facility position in the circuit relative to Circuit Z Location(s). All facilities that cannot be assigned a sequence code due to a circuit sequencing error are assigned the code ‘‘0’’.

Based on the above logic, working circuits with no facilities will be assigned an error or warning message code of 2F. Certain message trunk groups do not have facilities and will not be assigned a 2F message code. These trunk groups are normally associated with DR Circuit Type Codes of MSGC1, MSGC2, MSGC3, MSGCO, MSGCX, and MSGZZ. Intrabuilding circuits, for which the first eight characters of the Circuit Location A and Z match, will not be assigned sequence error message codes.

D.2 Correction of Transiting Miles Condition Associated with YDTS300

A circuit with transiting miles is defined as one that is composed of one or more exchange facility units that lie between two interexchange facility units. This procedure was developed to detect and correct this condition.

Before transiting miles can be corrected, the facilities must have been sequenced and assigned sequence codes as described in Section D.1. Also, the process expects that at least three facilities in the circuit were sequenced. If three facility units, as defined above, cannot be found, transiting miles conditions cannot be detected.

The transiting mile condition is identified by finding the first and last facility units in the sequence with an interexchange DR Group Code. All facility units between these two identified interexchange units that have an exchange DR Facility Class Code are determined to be the transiting miles condition. Those facility units that have exchange DR Class Codes that are different from the interexchange DR Class Codes have their DR Class Codes set to an interexchange class code. The condition is recorded in the facility data as a ‘‘4B’’ error and is reported on the YDTS300 Transiting Miles Correcting Report TS-PC03.

The corrected DR Class Code is obtained from the TDIS DRDD Table, using a record key composed of the DR Circuit Type and the Interexchange DR Group Code, which corresponds to the Exchange DR Group Code present in the TIRKS data, i.e., ‘‘I’’ instead of ‘‘E’’ for Voice grade and above or ‘‘A’’ instead of ‘‘B’’ for Telegraph.

If the DR Flag in TIRKS is set to ‘‘N’’, the DR Class Codes will not be reset by this process.

D.3 CPU ID-Administrative Area Table Associated with YDTS300

This table was intended for use in the merge processing of data for multiple CPU companies, but it is also required for single CPU companies due to abnormalities in the data.

The use of this table enables procedure YDTS300 to deduce the master record CLO of the circuits being merged. The master CLO contains the Admin Area of the issuing processor. The Admin Area is the first two characters of the CLO, i.e., a CLO of DLM12345 would translate to an Admin Area of DL - Dallas.

D.4 Elimination of Duplicate Facilities Associated with YDTS290

If a duplicate FAC Key is found in the FACSUM file, the following logic is performed. First the CPU and DATA SOURCE from each record is extracted and used to access the PRIORITY Table which returns a priority value from the table. The record with the highest priority value is the record selected. A priority value of 1 is the highest. For more information on the PRIORITY Table refer to TDIS-ONLINE TABLE UPDATE USER GUIDE (BR 759-200-003). If the PRIORITY Table could not determine which record to select then the following logic is applied. If only one CPU site was used, the first FACSUM is selected and no Facility Details are produced. (This can only happen if there are a Tie Cable and Cable record with the same facility key.) If a multiple-CPU site is being run and there are duplicate facility keys, the one with the longest DR Length will be used. If there are two or more with the longest length, then the first one is used. The details that will be selected will be the details that match the CPU ID of the FACSUM record selected. (All records carry a CPU ID of the processor they were extracted from.) Any duplicate records are reported on Report TS-DF01 from YDTS290.

D.5 Selection Of Master Record Associated with YDTS300

In the YDTS300, Merge and Sequence Circuit Details Field Length Data, the selection of the master circuit record must be made for any circuit consisting of partial layouts at multiple CPU sites. This applies to any circuit that has an identical Circuit ID for each partial layout. The following steps are used to determine the master record.

1. First the CPU and DATA SOURCE from each record is extracted and used to access the PRIORITY Table which returns a priority value from the table. The record with the highest priority value is the record selected. A priority value of 1 is the highest. For more information on the PRIORITY Table refer to TDIS-ONLINE TABLE UPDATE

USER GUIDE (BR 759-200-003). If the PRIORITY Table could not determine which record to select then the following logic is applied.

2. Compare a record's CPU ID or Admin Area (these are separate fields of data) to the first two characters of the CLO number. If these are equal, this is the master CPU record. If they are not equal, make the same comparison on the remaining records until all three values are equal.

EXAMPLE: CPU	ADMIN AREA	CLO
DL	DL	SLXXX
SL	SL	SLXXX = Master Record

3. If the values found in Item 1 are still not equal, search the CPU ID-ADMIN AREA table for a match on the CPU ID for the records being processed. When a CPU ID match is found, the translated ADMIN-AREA from the table, corresponding to the matched CPU ID, is compared to the records ADMIN-AREA and the first two characters of the CLO number. If all three items are equal, this is the selectable master record. This process is repeated for each CPU record until a match is found.

EXAMPLE: CPU ID-ADMIN AREA TABLE	
DALLAS CPU	DL HO SA
ST. LOUIS CPU	SL KC AR OK KS

Assume circuit data from Dallas and St. Louis.

REC	CPU	AREA	ADMIN CLO
1	DL	HO	These represent the
2	DL	SA	EIR issued to the
3	SL	OK	local centers
4	SL	SL	SL - This should be the layout with all EIR's included.

4. If all circuit layouts for a given Circuit ID fail the above two steps, no master record was designated. The first record will be taken as the master record, and error/warning message code ''2P'' will be associated with that record.

After a master record is selected, the YDTS300 procedure will perform the following additional steps:

1. The unique error/warning message codes from the remaining circuit records will be moved to the master record.

2. The DR Circuit Type of the master CPU record is compared to the remaining CPU records. If they are all not equal, the circuits mismatch record and the master record

are flagged with an ‘‘3N’’ message code, and the circuits are printed on the YDTS300 TS-PC05 report, Circuit Processing Error Report (DR Circuit Mismatch).

Appendix E

E.1 Determination of Owner and User in YDTS400

YDTS400 determines the Owner and User for all facility units and complements by evaluating the Divested Administrator and DR Area, respectively. The Owner and User determination is performed on every record written to the Outside Plant Details File (OPSDTLS) and accumulated for the PC Application File (OSPSUM). Undetermined users are not included in OSPSUM.

The following text presents an example of Owner and User determination.

> If the SD card input had a state code of MA and DR Areas of MA and MAMA, all cables with DR Areas coded as MA or MAMA will be assigned as BCC Owned and Used when the Divested Administrator is NE. All carrier systems with DR Areas coded as MA or MAMA should be assigned to BCC Owned and Used if the Divested Administrator is Bb, BB, or B-.
>
> The Owner-user heading on the reports is considered *undetermined* if the Owner (derived from the DR Area) and/or the User (derived from the Divested Administrator) is undetermined.
>
> The Owner-user field on the TS-OP61 report contains two character positions -- Position 1 for the Owner and Position 2 for the User. The valid Owner and User values in Positions 1 and 2 are as follows:

Value	Denotes
U	Undetermined
A	AT&T
B	BCC
I	Independent

E.2 Determination of Divested Administrator - Equipment Units Associated with YDTS240

The divested administrator for each equipment unit is determined from the Company/ Percent-owned data fields. This is a six-character TIRKS field at the unit level, on the EQPA screen. The first four alphabetic characters are used to define the company, and the last two numeric characters indicate the percent of ownership. TDIS uses this data field as follows:

1. Check all company fields for ‘‘IX’’ in the first or last two positions. If ‘‘IX’’ is found, the divested administrator is AT&T. There should be few, if any, occurrences of AT&T ownership in the current TIRKS environment.
2. If the Item 1 search fails, check the first occurrence of the company field. If it is non-blank, the value in this field is the divested administrator.
3. If both of the above searches fail, the default is ‘‘BCC Controlled and Used’’. When this occurs, the DBO parameter is placed in the first two positions of the divested administrator field followed by two blanks.

E.3 Verification of Validity of Facilities for Equipment Subdivisions

Facilities are disqualified for the following reasons:

1. **HICAP**: Facilities that are identified as HICAP are bypasses. HICAP determination is based on the value attributed by the TDIS Online Table to the Group Code of the facility in question.
2. **Tie**: Facilities that have matching LOCA and LOCZ CLLI locations, or that have been identified by the TDIS Online Tie Exception Table, are bypassed.

   NOTE — If all the facilities for the circuit are identified as Tie, they are not bypassed.

3. **Cross Sections**: A facility for which the following facilities’ LOCA and LOCZ match its LOCA and LOCZ is identified as a cross section. The ensuing facility is bypassed.

E.4 Placement of Equipment Subdivisions Associated with YDTS500

Equipment subdivisions are placed on a circuit by comparing the equipment location to the Circuit and Facility Locations A and Z. This is accomplished as follows:

1. Examine the ECN to determine if the equipment is a coil. That is, ECN = 845C, 845D, or 845E. If the equipment is a coil, proceed to Step 2. If the equipment is not a coil, proceed to Step 3, 4, or 5.
2. Determine if the coil equipment is at a circuit end location. The end location is where the Equipment Location CLLI is equal to either the Circuit Location (A, Z, A2, or Z2) CLLI. A match on CLLI is attempted at either 11 or 8 characters. If no match is found, proceed to step 3. If a match is found, assign a placement code of LOCA (for A or A2) or LOCZ (for Z or Z2) based on which CLLI was matched.

3. **No facilities**: If the Equipment location is equal at 8 characters to one of the Circuit Locations (A, Z, A2, or Z2), assign a placement code of LOCA (for A or A2) or LOCZ (for Z or Z2). If not match is made at eight characters, assign a placement code of zero.

4. **One facility**: An attempt is made to match the Equipment Location to the Facility Locations A or Z. If the match is successful, the placement code is equal to the sequence code of the facility followed by A or Z, depending on the facility end that matched.

   If the match fails, attempt to match the Equipment Locations against the Circuit Locations (A, Z, A2, Z2). If a match is found, assign a placement code of LOCA (for A or A2) or LOCZ (for Z or Z2). If the match of the Equipment Location against the Circuit Locations fails, assign a placement code of zero.

5. **Two or more facilities**: The placement code assigned to the equipment is dependent on the number of facilities that have matching locations.

   a. **No Matching Facilities**: If none of the Locations on the Facilities match the Equipment Location, a match is attempted against the Circuit Locations (A, Z, A2, Z2). If successful, a placement code of LOCA (for A or A2) or LOCZ (for Z or Z2) is assigned. If unsuccessful, a placement code of zero is assigned.

   b. **One Matching Location**: This results in a placement code equivalent to the facility sequence followed by an A or Z, depending on the facility end that matched.

   c. **Two matching facilities**: The placement code is determined by the class codes on the matching facilities.

      Equivalent valid or non-valid class codes: Use the placement code generated by the first facility.

      Nonequivalent invalid class codes or equivalent non-valid class codes: Assign a class code of QQ, an error code of 1D or 1E, and the placement code of the first facility.

      Only one facility with valid class code: Use the placement code generated by the facility with the valid class code.

      Nonequivalent valid class codes: The Equipment class is used in the determination of preferences. The group codes of both equipment details are looked up in the Group Code Table to translate the group codes into the facility categories. The equipment class then determines which category has precedence. The class code and placement code are assigned from that facility.

NOTE — If the Equipment class is 2 (exchange), then a cable facility is always shown preference over a carrier facility.

Table E-1. Equipment Class 1 (Interexchange)

Facility Category	Facility Category	Determined Category
EV	ET	ET
IV	IT	IT
IV	EV	IV
IT	EV	IT
IT	ET	IT
IV	ET	IV
EV	EV	EV
IV	IV	IV
IT	IT	IT
ET	ET	ET

Equivalent facility categories — results in the first facility being chosen.

Table E-2. Equipment Class (Exchange)

Facility Category	Facility Category	Determined Category
EV	ET	ET
IV	IT	IT
IV	EV	EV
IT	EV	EV
IT	ET	ET
IV	ET	ET
EV	EV	EV
IV	IV	IV
IT	IT	IT
ET	ET	ET

Equivalent facility categories — results in the first facility being chosen.

Appendix F

F.1 YDTS500 - Generation of DR Class Codes for Equipment Subdivisions

DR Class Codes for equipment subdivisions are determined as follows:

1. **Assembly components** - The DR Class Code is determined by the assembly sequence number as follows:
   - If it is seven numeric characters, but not “0000000”, assign DR Class Code “8C”.
   - If it is “0000000”, assign DR Class Code “XC”.
   - Otherwise assign “8E”.
2. **Subdivisions assigned to span lines**
   DR Class Code “XS” is applied if the CAC is not remapped in YDTS240.
3. **Subdivisions assigned to span groups**
   The DR Class Code is “XG”.
4. **Coil equipment at an end location**
   The DR Class Code is “KC”.
5. **Subdivisions associated with a circuit that has no facilities, or with facilities that all have zero sequence codes**
   The DR Class Code is obtained from the DRP DRDD Table, which is accessed using a key composed of the DR Circuit Type and a DR Group Code derived as follows:

   > **NOTE —** Only the primary circuit locations (A and Z) are used when comparing the circuit locations against each other for all circuit. Circuit locations (A2 and Z2) are not used in the following logic.

   - A facility with facility category “HC” (HICAP) follows the procedures for matched equipment with no adjacent facilities: the equipment Class Code equals the facility Class Code associated with the other facility category.
   - If Circuit Location A matches Circuit Location Z for the first eight characters, then if the DR CKT TYPE begins with Y, Group Code I is assigned; otherwise, the Group Code entered on the GRPCODE table for the “EO” Facility Category is assigned. If “EO” is not on the GRPCODE table, group code “S” is used.
   - If Circuit Location A and Circuit Location Z match on six characters and there are no telegraph facility Group Codes on the circuit, use “EO” related group code..., specified on GRPCODE table; if EO is not specified on GRPCODE table, Group Code “S” is used.

- If Circuit Location A and Circuit Location Z do not match on six characters and there is a Telegraph Group Code on the circuit, then a Group Code of "A" is assigned. If there are no Telegraph Group Codes on the circuit, the circuit locations are used to access the EXCHG Table.
  - If no match is found, the Group Code assigned is "I".
  - When a match occurs, the type of circuit is checked.
    - If the type is message the Group code for Message Circuits from the EXCHG Table is used.
    - Otherwise the Group Code for Private Line from the EXCHG Table is used.
- If no DRP DRDD Table entry is found, the equipment subdivision is flagged with error code "1D".

6. **Subdivisions assigned a placement code of "0" on circuits with facilities that do not all have sequence codes of "0"**
   First, examine the DR Class Codes of all facilities with nonzero sequence codes. If all these DR Class Codes are blank or begin with "QQ", flag the subdivision with error code "1D". If all non-blank, non-"QQ" DR Class Codes are the same, use this DR Class Code for the subdivision. If these codes are not the same, the DR Class Code is obtained from the DRP DRDD Table using a key composed of the DR Circuit Type and DR Group Code derived as follows:

   NOTE — Only the primary circuit locations (A and Z) are used when comparing the circuit locations against each other for all circuit. Circuit locations (A2 and Z2) are not used in the following logic.

   - As described in Step 5, a facility with facility category "HC" follows the procedures for matched equipment with no adjacent facilities.
   - If circuit locations A and Z match on six characters and there are no telegraph facilities, use the group code entered on the GRPCODE table for "EO" facility category. If "EO" is not on the GRPCODE table, then use DR Group Code "E".
   - If circuit locations A and Z match on six characters and there is at least one telegraph facility with a nonzero sequence code, use DR Group Code "B".
   - If circuit locations A and Z do not match on six characters, and there are no telegraph facilities with nonzero sequence codes, use DR Group Code "I".
   - If Circuit locations A and Z do not match on six characters, but there is at least one telegraph facility with a nonzero sequence code, use DR Group "A".
   - If no DRP DRDD Table entry is found, the subdivision is flagged with error message "1D".

7. **Subdivision placed at a facility terminal location with adjoining facility**
   Use the facility's DR Class Code. A HICAP facility follows the procedures for matched equipment with no adjacent facilities (see Step 5).

8. **Equipment subdivision placed in relation to two adjoining facilities**:

   - If the DR Class Codes of both facilities are blank, or begin with "QQ", flag the subdivision with error message code "1D".
   - If the DR Class Codes are the same, and not blank or "QQ", assign this DR Class Code to the subdivision.
   - If the two DR Class Codes are not the same, but one is blank or "QQ", the subdivision is assigned the nonblank, non-"QQ" code.
   - If both DR Class Codes are nonblank, and the first two characters are non-"QQ", proceed as follows:

     a. Determine the facility categories of both facilities, from the GRPCODE table.

     b. If a category cannot be found, derive a DR Group Code as in Step 6. Use the DR Circuit Type and the derived DR Group Code to obtain a DR Class Code (for the subdivision) from the DRP DRDD Table.

     c. If a facility category is found and the Equipment Classification Code is "1", go to Step 9.

     d. If a facility category is found and the Equipment Classification Code is "2", go to Step 10.

9. **If the equipment classification code is "1"**
   Apply the following tests until a conclusion is reached:

   - If both facility categories are the same, assign the DR Class Code of the first facility in transmission sequence to the subdivision.
   - If one facility category (but not both) is "IT", assign the DR Class Code of the "IT" facility to the subdivision.
   - If the two codes are "EV" and "ET", assign the DR Class Code of the "ET' facility to the subdivisions.
   - If the two codes are "IV" and "EV", assign the DR Class Code of the "IV" facility to the subdivision.
   - If the two codes are "IV" and "ET", obtain the DR Class Code from the DRP DRDD Table using a key of the DR Circuit Type and DR Group Code "A".

10. **If the equipment classification code is "2"**
    Apply the following tests until a conclusion is reached:

- If the CXE indicators are not the same, assign the DR Class Code of the cable facility to the subdivision.
- If the two Facility Category codes are the same, assign the DR Class Code of the first facility in transmission sequence to the subdivision.
- If either Facility Category code is “ET,” but not both, assign the DR Class Code of that facility to the subdivision.
- If the Facility Category codes are “IV” and “IT”, assign the DR Class Code of the “IT” facility to the subdivision.
- If the Facility Category codes are “IV” and “EV”, assign the DR Class Code of the “EV” facility to the subdivision.
- If the two facility category codes are “IT” and “EV”, obtain the DR Class Code from the DRP DRDD Table, using a key of the DR Circuit Type and DR Group Code “B”. If a match is not found, assign the subdivision the error code “1D”.

11. If both facility categories are found and the equipment classification code is “1”, the equipment subdivision is placed as follows:

    a. If both facility categories are the same, the placement code is the sequence code of the first facility in transmission sequence, followed by “A” or “Z”.

    b. If one facility category (but not both) are “IT”, the placement code is the sequence code of the “IT” facility, followed by “A” or “Z”.

    c. If neither 1 nor 2 applies and one facility category is “ET”, the placement code is the sequence code of the “ET” facility, followed by “A” or “Z”.

    d. If neither 1, 2, nor 3 applies, then the two facility category codes must be “IV” and “EV”, and the placement code is the sequence code of the “IV” facility, followed by “A” or “Z”.

12. I**f both facility categories are found and the equipment classification code is “2”, the equipment subdivision is placed as follows:**

    a. If one CXE indicator is “C” and the other is “X”, the placement code is the sequence code of the “C” (cable) facility, followed by “A” or “Z”.

    b. If Step a does not apply and both facility categories are the same, the placement code is the sequence code of the first facility, in transmission sequence, followed by “A” or “Z”.

    c. If neither Step a nor b applies and one facility category is “ET”, the placement code is the sequence code of the “ET” facility, followed by “A” or “Z”.

    d. If neither Step a, b, nor c applies and one facility category is “IT”, the placement code is the sequence code of the “IT” facility, followed by “A” or “Z’.

e. If none of the above apply, the two facility categories are “IV” and “EV”, and the placement code is the sequence code of the “EV” facility, followed by “A” or “Z”.

Appendix G

G.1 YDTS722 - Input Card And Run Parameter Selection

In selecting the input card values, the user can develop a “stacked filter” arrangement. This allows the user to limit the data presented on the report to only that which is needed. Each value entered on a particular screen field becomes a filter or limiter for the next sequential field. For example, if the user supplies a DR Class Code with a value of “UR” and an ECN card with a value of “850”, then the search of the data files would be first limited to circuits and/or equipment with a DR Class Code of “UR”. Then, within that filtered database, only that equipment with an ECN of “850” would be selected for inclusion on the report.

In this manner, each screen field input with a defined value filters or limits the size of the database for the next sequential screen field.

The user has been given “Wild Card” options on certain screen fields. This means that on these fields the user may input a “?” for any character(s) of the input value. As an example, assume that the following DR Circuit Type values exist in the database:

- PLIV0
- PLIV1
- PLIR0
- PLSV0
- PLSV1
- PLSR0.

If the user entered a DR CKT TYPE with the value of “PLIVO”, then only circuits with this value would be included in the output. However, if “PLIV?” were entered on the DR CKT TYPE, then circuits with DR Circuit Types of both “PLIVO” and “PLIV1” would be included on the output report. Entering “PLI??” on the input field would cause circuits with DR Circuit Types of “PLIVO”, “PLIV1”, and “PLIRO” to be included on the output report. A value of “PL???” on the DR CKT TYPE field would cause circuits with any of the above six DR Circuit Types to be included on the output report.

The user must exercise extreme caution when formulating a request for this analysis run. A poorly formulated request may result in an excessive amount of data being produced or, in some cases, aborting the run. Values should be input on all input fields that will result in refining the database to only that data needed for adequate analysis. In addition, care should be taken in using the SORT SEQ field, which defines the sort criteria of the output. Certain sort criteria may result in page breaks, which can increase the total number of pages in the output report. This, in conjunction with a too broadly defined request, can cause the output to exceed the “Page Limit” parameter defined by the user with the run. In this case, the program will stop the run and mark the report as incomplete. Depending on how the error

was detected, the incomplete warning message may appear on the heading of each page or at the end of the report.

Care should be exercised to ensure that the most specific set of criteria possible is used in initiating the run. This can be accomplished by providing input cards for each specific filter level and minimizing the use of “Wild Card” options.

Appendix H

H.1 YDTS730 - Detailed Description and Discussion of RK Cards

The YDTS730 process requires one RK1 card and, optionally, zero to ten RK2 cards or one RK3 card or one RK4 card. The RK1 to RK4 card input required is included as part of the transmittal form that is submitted to request this run. A detailed description of each RK card follows.

RK1 CARD - Panel Option 1

Only one line of the RK1 card layout may be entered on for each job submitted. Columns 1 through 10 consisting of Card ID, Detail Option, and a least one Study Area must be completed. If only the RK1 card is submitted, the resulting report will include the special handling automatically selected DR Circuit Types of

MSGC1	MSGC2	ASGC2	MSGC3	MSGK2
ASGB2	MSWIS	ASWIS	MSGK1	ASGLD
ASGK2	MSGKM	ASGKM	MSGLD	
MSGRH	MSWST	ASWST	ASGC3	

This special handing of the above DR Circuit Types is discussed in detail in Section H.2.

RK2 CARD - Panel Option 2

Up to ten optional RK2 cards may be entered. These are used to specify any DR Circuit Type OTHER than those listed for the RK1 cards that are to be included in the TS-IC05, KCT Trunk Count Report - OSP Trunk Counts - Exchange Trunk Details. Each RK2 card contains fields for up to four DR Circuit Types and the corresponding exchange and interexchange DR Class Codes. For each RK2 card submitted, Columns 1 through 19 consisting of Card ID, one DR Circuit Type, and the corresponding exchange DR Class Code must be completed. The special handling codes mentioned above for the RK1 card should NOT be entered on an RK2 card. The intent of the RK2 card is to provide a means of tracking special DR Circuit Types.

RK3 CARD - Panel Option 3

One optional RK3 card can be submitted for each run. This card enables the user to request trunk counts for specific exchange categories. Each RK3 card contains fields for up to 11 DR categories. When submitting an RK3 card, the special handling of automatically selected DR Circuit Types, discussed above for the RK1 card, is not generated. If the Detail

Option 2 is specified on the RK1 card, the DR Circuit Types associated with the RK1 card will be specifically eliminated from the detail report but not from the summary report. Normally the RK3 card should be used for counting trunks.

RK4 CARD - Panel Option 4

One optional RK4 card can be submitted for each run. This card enables the user to request circuit counts for user-selected exchange DR categories. Only a summary report is produced when an RK4 card is submitted. All details data will be suppressed if the RK4 card is input. If the RK4 card is submitted, the Detail Option on the RK1 card MUST be 0. Columns 1 through 19 consisting of Card ID and at least one DR Separations Category must be input if the RK4 card is submitted.

H.2 YDTS730 - Computation of Trunk Counts (TS-1C05 Report)

The first step is to eliminate circuits with sequencing error or no facility assignments. A trunk count is computed for all other circuits via the following steps:

1. If the DR Circuit Type is MSGC2, MSGC3, MSGK2, MSGKM, or MSGRH, the trunk count is one.
2. For DR Circuit Types of MSGLD, MSWIS, and MSWST, the assigned facilities are checked for consistency of DR Class Code data. If the DR Circuit Type is MSWIS, the DR Class Code of each facility must be WI or W1. If the DR Circuit Type is MSWST, the DR Class Code must be WS or W2. If the DR Circuit Type is MSGLD, the DR Class Code must be ML or KL. Circuits that do not meet this test are discarded and listed on the detail portion of the TS-IC05 report with a message code of 6C, Invalid DR Class Code associated with DR Circuit Type - No Trunk Count Computed.
3. Circuits that meet the above criterion are then checked for assignment of interexchange facilities only, DR Class Code equal WI, WS, or ML; exchange facilities only, DR Class Code equal W1, W2, or KL; or both interexchange and exchange facilities. Based on this determination, the trunk count is computed as follows:
   - Circuits with *only* interexchange facilities are assigned a trunk count of zero.
   - Circuits with *only* exchange facilities are assigned a trunk count of one.
   - If the circuit is assigned both interexchange and exchange facilities, then each contiguous group of facilities with exchange class codes surrounded, on either side one or both sides, by one or more facilities with interexchange class codes constitutes a trunk count of one. These trunk counts are added to obtain the trunk count of the circuit. If this value is greater than two, the default value of two is used and the facility is listed on the details portion of the TS-IC05 report with message

code 6E, “At Least One Study Area Associated With The Facility Has a Computed Trunk Count Greater Than Two - Two Is Used”.

4. If the DR Circuit Type is none of those indicated in Items 1 or 2, the code is checked against the DR Circuit Type codes on the RK2 card, if this card was input.
5. If a match is found and the DR Circuit Type is MSGC1 or MSGK1, the trunk count is one.
6. If the match is other than MSGC1 or MSGK1, the circuit is first checked to ensure it is within one of the Study Areas requested on the RK1 card. If it is within a requested Study Area, the facilities assigned to the circuit are checked to ensure that the DR Class Codes match the exchange or interexchange code for the circuit type as input on the RK2 card. Circuits that do not meet this criterion are listed on the detail portion of the TS-IC05 report with a message code of 6C, “Invalid DR Class Code Associated With DR Circuit Type - No Trunk Count Computed”. If the circuit passes the above tests, trunk counts are computed as detailed in Item 3c above.

H.3 YDTS500 - Definition of a Termination and Other Internal Logics

Bridge equipment for a multipoint circuit will be identified as follows:

A bridge may be identified by a HECI code beginning with “BR”. For a bridge to be counted, it must be BCC-owned and used. This determination is based on the last two characters of the ownership screen of the facility header as described in detail in Appendix A.

The bridge equipment unit has multiple ports, each assigned to a different leg (segment) of a multipoint circuit. At a bridge location, a termination count of “1” is accumulated for the leg (segment). The bridge is not counted again for additional leg assignments on the same circuit.

The program processes all facility terminals (including the bridge location) on the multipoint circuit for non-bridge termination counts as though each circuit segment is not part of the multipoint circuit with a bridge location.

SMAS testing units, with an HECI code starting with “SM”, are excluded from the termination counts.

BCC-owned/used terminations and signaling equipment is identified as follows:

If the ECN is within the range of 801 through 899, a termination count of “1” is accumulated. If this fails, all other equipment that was not previously counted is evaluated to determine if the ECN is within the 801-899 range.

The assignment of channel bank ECN codes is table driven. It is very important that the channel bank ECN codes assigned in the FACSUM file be reviewed carefully and to

understand how TDIS procedure YDTS220 assigns the ECN to channel banks. The TDIS steps for developing an ECN code for a channel bank are as follows:

1. TDIS uses the carrier technology to ECN table to determine the most common type of line haul ECN associated with the carrier technology. If a match is not found, then the line ECN is set to 800CL
2. If there is a HECIG code for the channel bank, the HECIG to ECN table is used to find the ECN. If there was no HECIG in TIRKS, TDIS proceeds to Step 3.
3. If the channel bank code from TIRKS is not blank, then the channel bank to ECN table is used for obtaining the ECN code. If the channel bank code was not in the table or the channel bank code was blank, proceed to Step 4.
4. The channel bank is assigned an ECN code of 800CT.

If no count has been made via the above checks, the channel bank will be used in the next check.

Determination of a termination count by using the channel bank ownership is accomplished as follows:

This is accomplished using the divested administrator field from the TIRKS header record. If the bank is BCC-owned and the DIGINC execution parameter is “Y”, the channel bank is counted as a termination at that location. If the DIGINC parameter was set to “N”, the channel bank port is only counted if the ECN is within the range of 801 to 899.

Because the data content of the channel bank code is controlled locally within TIRKS, absolute guidelines cannot be provided in this manual. The following procedure can be used for avoiding potential inaccuracies of the termination counts and contamination of the CES study by high frequency interfaces.

For divestiture purposes channel bank codes of POP, Point of Termination (POT), and Point of Interface (POI) were defined for the high frequency interfaces with AT&T. If the bank has a value of POP, POT, or POI, then the channel bank to ECN translation table should show an ECN of 800 or 800HT for these values.

The above codes and any other local codes that identify high-frequency interfaces for digital switches or non-terminated HICAP may be identified in the Channel Bank to ECN table as 800HF. Use of 800HF will result in the TS-IR08 report logic discarding the bank since it is not within the range of 801-899. The CES programs will also discard the channel banks.

A midpoint termination is one that does not have the same CLLI code as the circuit end point location, at eight characters. For Special Service Circuits this means that the equipment location CLLI is not the same as LOCA or LOCZ in the circuit description.

Determination of whether to include or exclude a circuit in the termination count is based on the following logic:

Only working circuits are included in the termination count. Circuits will be excluded from the count if the LATA code is 999 or the DR Circuit Type begins with the letter “Y”, indicating an AT&T circuit. There should be few or no “Y” codes remaining in the database since the 5-year time limit for removal from the BCC database has expired.

SMAS testing units, HECI starting with “SM”, are excluded from the termination counts.

The process only counts the first BCC-owned and used equipment or carrier channel termination encountered at a facility terminal location within a circuit.

A cable pair on a circuit need not be BCC-owned for a circuit equipment termination to be counted. If a channel bank is the only equipment termination on a message or Special Service Circuit, a termination is counted only if the bank is BCC-owned.

Circuits without equipment (term and signaling), channel bank, or assigned facilities are discarded. If a circuit has BCC-owned and used equipment and no facilities, one equipment termination is counted for each end location of the circuit.

H.4 Differences Between the YDTSR01 IR08 and IR08A Reports

The following chart provides a quick reference of the differences between the IR08 and IR08A reports:

TS-IR08 REPORT	TS-IR08A REPORT
1. Includes counts of END, MID BRIDGE locations	1. Includes counts of END and BRIDGE locations only (MID points are excluded)
2. The DIGINC parameter is for the IS-IR08 report (default is DIGINC =N) a. When the program attempts to count a BCC owned channel bank ECN there are two possibilities for the TS-IR08 report. b. If DIGINC is set to Y, then all ECN codes will be counted without a validity check to see if the termination should or should not be counted. This will cause the END and BRIDGE count to be the same as the IR08A report. c. 3.If DIGINC is set to N, then only the ECNs whose values are between 801 and 899 will be counted.	2. The DIGINC parameter does not alter the data content of the TS-IR08A report. When the program attempts to count a BCC owned channel bank and ECN, it will always be counted, the validity of the ECN value is not checked by report. Ownership markings are used to determine if a count is to be taken.
3. If the DIGINC parameter is set to Y, then the TS-IR08 report data will be as described in Item 3 of the TS-IR08A report except that the MID point terminations will be included.	3. The TS-IR08A report always includes all ECN values for channel banks. The type of termination, T/S or CHAN is printed in the Equipment Termination Count field. CHAN will be followed by the bank type data, i.e., D1A

Appendix I

TIRKS/TDIS Field Definitions

This section provides a reference guide to the various TIRKS and/or TDIS fields that may be encountered on the reports generated in the TDIS procedures. If the two systems use different descriptions for the same data, the TIRKS field name will be included in brackets immediately following the TDIS name.

ADMIN AREA - This is a two-character field resident in the TIRKS database indicating a group or geographic area having administrative responsibility for the associated records or orders.

ASGT ACT (ACT) - This is a two-character field, at the unit level, indicating the activity associated with the CLO posted to the individual carrier channel, cable pair, or equipment unit. Valid entries that impact separations data are as follows:

- IE - In-Effect
- A - Pending Add
- D - Pending Disconnect
- W - Working
- $ - Spare.

Additional codes are described in BR 756-551-790.

ASGT RSTN - Assignment Restriction is a TIRKS field, at the unit level, that denotes a specific condition/problem associated with a cable pair or carrier channel. TDIS utilizes this data to determine if the facility is jumpered, defective, etc., and it should not be included in the count of working circuits. BR 756-551-790 contains a complete description of Bellcore-supported assignment restriction codes.

ASGT SUBD (SUB DIV) - An assignable portion of a cable pair or equipment unit. For cable complements, this is a three-character field and the primary entries are:

- T - Tip Conductor of a cable pair
- R - Ring Conductor of a cable pair
- Blank - Prime (default value).

For equipment, this is a five-character field. The codes sets are defined by each company. BR 756-551-790 contains additional descriptions.

BULK ASSIGNMENT/INDICATOR - A one-character field that indicates whether the facility was bulk assigned/transferred to the local assignment bureau for use rather than

assigned to a specific TIRKS-inventoried circuit. This indicator is not used in the current TIRKS environment but may exist for older facilities.

CABLE NUMBER (#) - An numeric or alphanumeric designation for a particular cable between two locations. The designation is not normally duplicated within a TIRKS processor, when combined with LOCA, LOCZ, and last pair.

CAC - The CAC is a TIRKS-generated code used to identify a Special Service Circuit, a Carrier System, or an individual trunk within a message trunk group.

CHANNEL - The number of a specific channel within a carrier system.

CHAN SPEED (TRANS RATE) - This is a three-character alphabetic field that defines the transmission rate, measured in kilobits per second, at which the data is transmitted according to the COMMON LANGUAGE code for transmission rate. It is required on CXRC if a ‘‘Y’’ is entered in the DDS field and the channel banks are compatible with the given speed. For all other items, it is an optional entry used to indicate a special digital facility.

CIRCUIT IDENTIFICATION (CKT ID) - The complete circuit description as defined by COMMON LANGUAGE standards. BR 756-551-790 contains a complete description of the individual data fields.

CKT FRMT - This field reflects the Circuit Format information. Valid entries are as follows:

- 1 or M - Message Trunk
- 2 or T - Special Service Circuit in Telephone Number Format
- 3 or S - Special Service Circuit in Serial Number Format
- 4 or C - Carrier System
- H or L - Span Group or Span Line.

> **NOTE —** Formats H and L should not appear on the reports because TDIS dissolves span.

CPU ID - This field identifies the processor where the data was generated. These values are established by each company. Appendix A contains valid entries.

CXE IND - A one character field designating the type of facility. Valid entries are ‘‘X’’ for Carrier and ‘‘C’’ for Cable.

CKT LOCA/LOCZ - LOCA indicates the originating office/location of a Special Service Circuit and LOCZ indicates the terminating office/location.

CKT LOCA2/LOCZ2 - LOCA2 indicates the secondary originating office/location of an OPEN ENDED SPECIAL SERVICE CIRCUIT and LOCZ2 indicates the secondary terminating office/location.

CKT STAT-TDIS - TDIS Circuit Status - This data will indicate whether a circuit is working (W) or non-working (N). Appendix A contains a detailed explanation of the TDIS logic used to make this determination.

CLO ACT (ACTIVITY) - The CLO Action that was defined when the order was created in the TIRKS system. The primary values are A - Add, D - Disconnect, R - Rearrange, and RN - Rename.

CLO DUE DATE - The date when any pending activity is to be completed.

CLO NUMBER (CLO NBR) - The CLO number that is associated with the current activity of the circuit. This number is generated by the TIRKS system as orders are created via GOC. There may be more than one CLO number associated with a circuit when there are multiple activities to be performed.

DDS IND (DDS) - The DDS Indicator is a one-character alphabetic field in the TIRKS system that is used to differentiate between DDS facilities and other carrier facilities. Valid entries are as follows:

- Y - DDS facility
- N - Non-DDS facility
- BLANK - Either DDS or Non-DDS facility.

DIVEST ADMIN - This code was established at divestiture for database transfer. The value is obtained from the ‘‘0.0’’ line in the ownership section of the TIRKS facility header record, as described in Appendix A, or by internal TDIS logic, as described in Appendix C and Appendix E.

DR AREA - This is a four-character alphanumeric field on the CXRO or CBLV TIRKS screen that identifies a particular DR Study Area within a telephone company. If DR Area is populated, DR Length must also be populated.

DR CKT COUNT - This count is developed using the TIRKS assignment subdivision and multiwire data. Appendix A provides a complete description of this process.

DR CKT TYPE (DR on CKTSR; DR TYPE on TGMR and CKTCR) A five-character code assigned for separations purposes, either manually or mechanically. BR 756-551-001 contains general details regarding generation of these codes.

DR CKT STATUS - In TIRKS, this data indicates if the circuit is working (IE), pending add (A), pending disconnect (D), or spare ($) at the unit level. These are translated in TDIS to ‘‘W’’ (working) for all IE as well as ‘‘D’’ (with a due date after the control date of the TDIS run), and ‘‘N’’ (not working for pending adds, spares, and pending disconnects with a due date that occurs before the control date of the TDIS run).

DR CLASS CODE (TIRKS) - This field reflects the DR Class Code as it appears in the TIRKS database at the unit level. This field will be blank if the internal TIRKS logic

could not find a class code in the TIRKS DRDD table based on the DR Circuit Type of the circuit and the DR Group code of the facility.

DR CLASS CODE (TDIS) - This field reflects the DR Class Code generated by the internal TDIS logic based on the DRDD table resident in TDIS. If the TIRKS DR Class Code is blank and TDIS is unable to generate a class code, a value of ‘‘QQ’’ will be assigned and an error code of 4E written to the output file. If the TIRKS DR Class code is different that what would be generated by TDIS logic, the TDIS code is used and error message 4P is written to the output file.

DR FLAG (DR GEN) - This is a one-character field that indicates that the DR Class Code for this facility is to be recomputed by the regeneration process in either TIRKS or TDIS. A value of ‘‘N’’ indicates that the DR Class Code is not to be recomputed. A value of ‘‘Y’’ or blank indicates that this facility will be included in the DR Class Code regeneration processes.

DR GROUP CODE (DR GROUP) - This is a two-character code that defines the jurisdiction and/or physical location of a facility, either a cable complement or carrier system. Although this is a two-character field on the TIRKS header record, only the first character is currently being used.

DR LENGTH (DR AREA LENGTH) - This is a five-character TIRKS field indicating the length of a facility within the DR Area, measured in the same units (miles, kilofeet, or kilometers) as entered for the Total Length of the facility. For cable, it is the same length units as Ownership Length.

DUE DATE - The date the service is to be turned over to a customer for use or the date a disconnection or rearrangement is to be completed.

ECN - The ECN is the three-digit number assigned to equipment items. They are intended to facilitate the assembling of central office investment dollars into the various groupings, which can be used for DR studies and for other special study purposes. BR 756-189-102, *User’s Manual - Equipment Category Numbers*, lists the ECNs for all central office equipment and defines the types of equipment included under each number.

EQUIP CLASS - This field will contain a one-character code that was developed during the TDIS YDTS250 process. Values of ‘‘1’’ for Interexchange or ‘‘2’’ for Exchange are based on the Equipment Classification table created in YDTS1430.

FAC DES - A five-character TIRKS field used to assist in identifying various cables and/or carrier systems. Normally, this is a numeric identification but a combination of alphabetic and numeric may be used, i.e., 101T1 (carrier) or R11 (cable).

FAC GROUP - This data identifies a group of facilities with similar characteristics. Facility group identifies the group to which the telephone company has assigned one or more cable or carrier facilities. The criteria for a group are determined by each company.

Examples for Facility Groups for carrier systems are T1, T3, T1C, etc. For cable complements, examples might be ‘‘T’’ (conditioned for T-Carrier, ‘‘N’’ (conditioned for N-carrier, etc.

FAC LOCA - The originating office/location of a carrier system or cable. This will always be the low alphabetic location based on the first eight characters of the COMMON LANGUAGE location.

FAC LOCZ - The terminating office/location of a carrier system or cable. This will always be the high alphabetic location based on the first eight characters of the COMMON LANGUAGE location.

HECI - The HECI number as it was populated on the EQPO screen in the TIRKS database.

INV STAT - Denotes whether the item of equipment is working, spare, or pending.

INV CNTL - This indicator denotes the best usage for a particular piece of equipment. This data is no longer validated by the E1 tables in TIRKS and may not appear on the TDIS reports.

LATA CODE - A five-character alphanumeric code that identifies the state and LATA number for the A or Z location.

LOCATION -(Associated with Equipment) - The COMMON LANGUAGE location identification of the office/building where the equipment is physically located.

MESSAGE CODE - The error or warning code that was generated for this particular circuit during the various TDIS procedures. Appendix B provides a detailed explanation of these codes and the TDIS procedure that generated them.

MSC FLAG - A one-character code that indicates if a Minimum Service Charge Contract is applicable to this facility. Valid entries are ‘‘L’’ or ‘‘M’’, if a MSC contract is applicable, or blank if not applicable. This data is seldom populated in the current TIRKS environment.

MW IND - This field is populated if more than a single cable pair was used in the design of the circuit. Valid entries are 1 through 6 or blank. For cables supporting carrier systems, TDIS will force this value to 4 in the YDTS220 process. BR 756-551-790 contains additional explanations of these values.

OFFICE A DR SA/OFFICE Z DR SA - The Study Area associated with the originating (Office A) or terminating (Office Z) location/office of the circuit. This data is obtained from RDLOC.

OWNER STAT (OWNER) - A telephone company code identifying ownership of a cable complement or carrier system.

PLACEMENT CODE - An alphanumeric indicator reflecting the location of the equipment within the transmission path of the circuit. Appendix E contains expanded descriptions on this determination during the YDTS500 process.

POP IND - A one-character alphabetic code indicating the type of circuit or facility that may originate or terminate in a specific office of location. Valid entries are as follows:

- ''I'' - The location is an Independent company
- ''C'' - The location is a CLEC (Competitive Local Exchange Company)
- ''X'' - The location is an Information Service Provider
- ''L'' - The location is a Long Distance and CLEC mixed
- "M" - The location is a POP for Message circuits
- "S" - The location is a POP for Special Service Circuits
- "F" - The location is a facility POP
- "Y" - The location is a POP for all circuits/facilities.
- "N" or Blank - Location is not a POP for any circuit or facility

RELAY RACK - A numerical indicator identifying a specific piece of equipment within a specific office or location to which individual circuits are assigned.

SEQUENCE CODE - This is an alphanumeric code indicating placement of the facility within the transmission path of the circuit. Appendix D provides an expanded description of the logic associated with this determination during the YDTS300 process.

SPARE IND (SPARE on TGMR or CURR SPARE on CKTMR) - This is an indication of the number of non-working trunks within a specific trunk group.

SS STAT (ACTIVITY) - This data indicates if the Special Service Circuit is working (IE), Pending Add (PA), Pending Disconnect (PD), or Spare ($).

SPEC SERV LOCATION A/LOCATION Z - This data will indicate the originating (LOCATION A) and terminating (LOCATION Z) offices of the special service circuit. For Special Service Circuits, the originating location may not be the low alphabetic location and the terminating location may not be the high alphabetic location.

SRD - System Release Document - Detailed explanation of various processes/programs that have been updated by Bellcore as well as the number of the release when this action was taken.

TERMINAL LOCATION A/Z - This data will indicate the originating (LOCATION A) and terminating (LOCATION Z) location of a cable complement or carrier system. For facilities, the originating location will be the low alphabetic location and the terminating location will be the high alphabetic location based on the first eight characters of the CLLI.

TERMINAL LOCATION A2/Z2 - This data will indicate the secondary originating (LOCATION A2) and secondary terminating (LOCATION Z2) location(s) of a circuit

or carrier system. These fields will only occur on open ended circuits. On carrier facilities, the Path-2 Header record will represent the secondary locations of a carrier network. This Path-2 carrier header will have no corresponding circuit record in C1/ INV.

TGAC - The TGAC for the entire group of message trunks. Individual trunks within the group are identified by CAC codes.

TRNK STAT (TRK STAT on CKTMR) - This field will indicate if the message trunks are working (IE), Pending Connect (PC), Pending Disconnect (PD), or Spare (SP). Normally, only IE and/or PD circuits will appear on the TDIS reports.

TRUNK OWNER (OWNER on TGMR) - A telephone company code identifying the owner of a message trunk. This field is seldom populated in the TIRKS database and will seldom appear on the TDIS reports.

UNIT TYPE (EQPT TYPE) - A one-character code developed in TDIS when the unit type in TIRKS is blank or other than P, M, H, or S.

UNIT NUMBER - The numerical identification of the actual cable pair or carrier channel to which the associated circuits is assigned.

Appendix J Error Resolution

The purpose of this section is to provide an error resolution guide for TIRKS/TDIS errors. The resolution may not be the actual answer but, an attempt has been made to identify the fields involved.

1. Code: 1A
   - Identified in: YDTS220
   - Description: NO DR AREA/LENGTH DATA PRESENT
   - Cause: No entries were found on the right hand side of TIRKS cable owner (CBLV) or carrier owner (CXRO) screens.
   - Impact: Loss of monthly miles, excluded from the cable and wire study excluded from the straps interface report.
   - Resolution: Have TIRKS facility group modify the CBLV screen for cables and provide the correct DR AREA and length information. If it was carrier then modify the CXRO screen to reflect the proper DR AREA and length information based on the underlying support level of cable/carrier. After this update verify that the TOTAL LENGTH on the CBLH or CXRH screen adds to the total of the DR LENGTH entered on the above mentioned screens.
2. Code: 1C
   - Identified in: YDTS300
   - Description: FACILITY CLASS CODE COULD NOT BE GENERATED BY USE OF THE DRP DRDD TABLE - NO TIRKS CLASS CODE AVAILABLE
   - Cause: The cause of this is that there is no entry in the TIRKS DRDD table causing the lack of a class code from TIRKS. Additionally the TDIS DRDD table does not contain an entry for the combination of DR CIRCUIT TYPE and facility group code.
   - Impact: The impact of this is the loss of miles for the facility involved. Incomplete data in the Cable & Wire study, the failure to assign a proper class code on the associated equipment.
   - Resolution: Add to TIRKS and/or TDIS DRDD table an entry for the particular combination of DR CIRCUIT TYPE and facility group code.
3. Code: 1D
   - Identified in: YDTS500
   - Description: EQUIPMENT SUBDIVISION CLASS CODE COULD NOT BE GENERATED (NO 2K ERROR EXISTS) There is no DRDD data for the combination of DR CIRCUIT TYPE and group code for the equipped only option.

The group code is based on a default of 'S', or a user supplied code for equipped only circuits.

- Impact: The particular piece of equipment is assigned a 'QQ' class code. This is a non descriptive class code that is only a place keeper. The CES study and termination count program do not know how to classify this class code.
- Resolution: a) Provide a correct group code for EO option. b) Make an entry in DRDD table for the DR CIRCUIT TYPE and group code combination. The fact that a 2K error does not exist implies that the DR CIRCUIT TYPE exists in the DRDD table, but there is no entry for the particular group code.

4. Code: 2A
   - Identified in: YDTS220
   - Description: TOTAL LENGTH NOT EQUAL TO SUM OF DR LENGTHS
   - Cause: The cause for this is that the sum of DR LENGTHS on the right hand side of CBLV or CXRO screens do not add up the TOT LENGTH on the CBLH or TOTAL LENGTH on the CXRH screen.
   - Impact: The incorrect reporting of miles if the DR LENGTH is incorrect. The incorrect allocation of trunk investment in the CABLE & WIRE study if the DR LENGTH is incorrect.
   - Resolution: Correct the DR LENGTH to add to the total on the header screen, or correct the total to reflect the sum of the DR LENGTH, if it is correct.
5. Code: 2B
   - Identified in: YDTS300
   - Description: SPECIAL SERVICE LOCATION A AND/OR Z NOT PRESENT (WORKING CIRCUITS ONLY)
   - Cause: The failure to supply either or both A & Z points for a special service circuit.
   - Impact: This causes an inability to sequence a circuit completely. This may result in not assigning the proper class code to equipment, thus distorting the circuit study and termination counts.
   - Resolution: Enter the A and/or Z points on CRI screen and update.
6. Code: 2C
   - Identified in: YDTS300
   - Description: INVALID MULTI-WIRE INDICATOR FOR CABLE PAIR ASSIGNED TO A CARRIER CIRCUIT

- Cause: All cable pairs supporting a carrier system were not found to have a multiwire indicator of blank or 4.
- Impact: The counting of miles for the class code associated with the DR CIRCUIT TYPE associated with the carrier system will not be circuit miles.
- Resolution: Use the CBLA screen for proper cable pair and provide the correct multiwire indicator for update.

7. Code: 2D
   - Identified in: YDTS300
   - Description: MULTI-WIRE INDICATORS OF ALL FACILITIES WITHIN THE SAME CIRCUIT CROSS-SECTION ARE NOT EQUAL
   - Cause: Multiwire indicators are not consistent for pairs in the same cross section. This is applicable to only specials and message.
   - Impact: This will result in the incorrect calculation of circuit miles for a given circuit.
   - Resolution: Use the CBLA screen for proper cable pair and provide the correct multiwire indicator for update.
8. Code: 2E
   - Identified in: YDTS300
   - Description: AT LEAST TWO CABLE PAIRS MUST BE ASSIGNED TO A WIRE-LINE CARRIER CIRCUIT
   - Cause: This error is caused by not finding at least two pairs of wires/fibers supporting a carrier system. Carrier systems need at least two pairs, one for transmit and one for receive to function.
   - Impact: Incorrect calculation of circuit miles since it appears that not all cable pairs are accounted for. Possible error in the Cable & Wire study.
   - Resolution: Refer to the facility provisioning group for resolution. There is no firm reason why this happened it must be investigated.
9. Code: 2F
   - Identified in: YDTS300
   - Description: WORKING CIRCUIT HAS NO WORKING FACILITIES ASSIGNED TO IT
   - Cause: This is not an error all the time. If the circuit is a pure exchange circuit then it is possible for the circuit to have no facilities. This will happen for those circuits that require a layout form TIRKS but is provisioned on only subscriber pairs. The

other reason this may occur is that the facilities are listed as non inventoried on the CD page.

- Impact: Possible loss of circuit miles. Possible failure to assign the correct class code to any associated equipment. This will result in terminations classified wrong and the CES categories wrong.
- Resolution: If the situation is as described in the cause no action is necessary, otherwise the problem must be turned over to the circuit provisioning group.

10. Code: 2G
    - Identified in: YDTS215
    - Description: ”IE” (IN EFFECT) CIRCUIT NOT ASSIGNED TO ”IE” SCID FACILITY LINK.
    - Cause: The circuit found in the SCAD extract was found assigned to a SCID link that was not in effect. This may be due to a possible timing problem on the extracts or a real problem in that the SCID link is not turned up for service.
    - Impact: The facility is used even though it appears as if it is not in service.
    - Resolution: Turn over to the facility provisioning group for resolution as why circuits are being assigned to SCID links that are not yet in service.
11. Code: 2H
    - Identified in: YDTS300
    - Description: INDEPENDENT CIRCUIT CANNOT BE SEQUENCED
    - Cause: Sequencing was incomplete. The LATA info for one or more of the circuit terminal points had an POP_IND of “I” or one or more facilities had an POP_IND of “I” in the LATA info for the locations of the facilities.
    - Impact: Possible loss of circuit miles. Possible incorrect assignment of class codes to BCC equipment associated with the circuit.
    - Resolution: Check that the value of the POP_IND in the LATA Table for the locations related to the circuit and facilities are correct. Also, if on the CD screen all TDIS facilities are accounted for and the facilities needed to complete the circuit are marked as non-inventoried, no action is necessary, otherwise ask the circuit provisioning group to resolve the problem.
12. Code: 2I
    - Identified in: YDTS300
    - Description: BOC CIRCUIT CANNOT BE SEQUENCED
    - Cause: This is most likely caused by either a timing problem in extract or by non-inventoried facilities. If neither is the case then it is caused by some sort of

inventory assignment problem. It may also be created by some sort of creative facility arrangement that makes it difficult to determine the sequence, for example using SONET chains configured as a ring. In this case sequencing has no clear cut indication of where to get in and out of the ring.

- Impact: If all facilities are accounted for but 300 is just unable to piece the circuit together then there should be very little impact. On the other hand if facilities are missing then it is a problem of missing miles and improper class code assignment on equipment also incomplete data for the CABLE & WIRE study.
- Resolution: Turn over to circuit or facility provisioning for resolution. Note that not all 2I errors can be resolved.

13. Code: 2J

    - Identified in: YDTS220
    - Description: INVALID DR GROUP CODE
    - Cause: A group code was found on a facility, that group code does not exist in the DRDD table.
    - Impact: Any circuits that are found on this facility will not be able to regenerate a new class code. This may create other errors as well.
    - Resolution: If it is determined that the group code is valid then add the offending group code and class codes to TIRKS DRDD table for the next months process. In the mean time change the TDIS DRDD table and reprocess from 220, the problem will disappear. If it is a bad group code that should have been something else then add it to the TDIS DRDD table with the correct class codes for the current month, then reprocess from 220. In the meantime have the code changed in the facility header. (CXH or CBLH). After the process cycle delete the group code from the TDIS DRDD table by resetting the generation in use.

14. Code: 2K

    - Identified in: YDTS300
    - Description: WORKING CIRCUIT HAS AN INVALID DR CIRCUIT TYPE
    - Cause: A circuit has a DR CIRCUIT type not found in the DRDD table.
    - Impact: No class code regenerated by TIRKS and/or TDIS. The class code if found from TIRKS will be left alone, which may not be desirable. This may mean counting miles incorrectly, improper classification in CES, Cable & Wire studies and in termination counts.
    - Resolution: a) Correct the DR CIRCUIT type, if it’s wrong. b) Add the DR CIRCUIT type to the TIRKS DRDD table for next month, add the code to the TDIS DRDD table for the current month, if the volume is significant, and reprocess TDIS from 300 forward.

15. Code: 2M

    - Identified in: YDTS240
    - Description: EQUIPMENT SUBDIVISION IS BULK ASSIGNED AND WORKING
    - Cause: The second byte of INV CNTL on the EQPH screen was found to have a ’1’, which indicates bulk assigned. At the unit level working assignments were found. This is a conflict of information.
    - Impact: Working assignments are used as found.
    - Resolution: Either remove the assignment of bulk assigned or shift the working assignment.

16. Code: 2N

    - Identified in: YDTS240
    - Description: EQUIPMENT SUBDIVISION IS DEFECTIVE AND WORKING
    - Cause: The FAULT ID field on the EQPH screen was found to be not blank and not ’N’ therefore assumed to be defective, but working assignments were found on the unit level. This is a conflict of information.
    - Impact: Working assignments are used as found.
    - Resolution: Resolve the conflict of information.

17. Code: 2O

    - Identified in: YDTS500
    - Description: EQUIPMENT SUBDIVISION COULD NOT BE PLACED ON A WORKING CIRCUIT
    - Cause: Facilities were found that have a ’0’ sequence code and the equipment is at one end or the other. The other case is, the equipment existed at a location for which no facility could be matched.
    - Impact: A class code will be assigned through a defaulting process, this may be correct or it may not. Termination counts and CES may be impacted.
    - Resolution: Determine why the equipment is not associated with a facility and correct.

18. Code: 2P

    - Identified in: YDTS300
    - Description: NO MATCH OF ADMIN AREA TO CPU ID. FIRST AVAILABLE RECORD USED

- Cause: When attempting to select the master record for multicpu records all given rules were exhausted and none fit, the default action was chosen.
- Impact: Possible wrong DR CIRCUIT type used from the default record.
- Resolution: A review of the first two characters of the CLO from each processor is required, the outcome may be that the CDFACHK table may need to be changed to account for the ADMIN AREAS from each processor.

19. Code: 2Q
    - Identified in: YDTS300
    - Description: NO MATCH OF CLO TO ADMIN AREA
    - Cause: The CLO admin area was not found in the CDFACHK table.
    - Impact: Choose the wrong C1-INV record were the DR CIRCUIT type is not the same.
    - Resolution: Alter the CDFACHK table to account for the ADMIN AREA.
20. Code: 2R
    - Identified in: YDTS500
    - Description: INVALID FACILITY CATEGORY. VALID CATEGORIES: EV, ET, IT, IV, HC, HM, MX (EV ASSUMED)
    - Cause: The user entered in the online group code table an incorrect facility category. Incorrect in that the program can not deal with other than EV, IV, ET or IT.
    - Impact: If the facility was other than EV (exchange voice) then a default action was incorrect, therefore an incorrect class code was assigned. Termination counts and CES classifications are impacted.
    - Resolution: Provide a correct classification for the group code in the online group code table.
21. Code: 2W
    - Identified in: YDTS220
    - Description: DR LENGTH UPPER/LOWER BOUND EXCEEDED DUE TO ADJUSTMENT
    - Cause: During the process of conversion to miles and handling the rounding correction, if necessary, the first DR LENGTH exceeded 9999.9. The length is set to max of 9999.9 miles.
    - Impact: The use 9999.9 instead of the correct number.

- Resolution: If this error occurs then the descriptor is in MI or KF when the actual measure is in feet. Correct the measure and units to be the same. On CBLV or CXRO the units are assumed to be feet for tie and miles for trunk, but the user may specify the units beside the first DR LENGTH entry to be certain what is input.

22. Code: 2X
    - Identified in: YDTS220
    - Description: INVALID FIRST PAIR/FROM CHANNEL OR LAST PAIR/TO CHANNEL.
    - Cause: The first or last pair for cable or the first or last channel were not found to be numeric.
    - Impact: The first pair or first channel was set to zero. When the total complement count is calculated later this may cause an incorrect calculation. This incorrect total complement count will cause extra trunk pair/fiber miles to be assigned in the Cable & Wire study.
    - Resolution: Correct the FIRST UNIT on CBLH or FROM/TO on CXRH.
23. Code: 2Y
    - Identified in: YDTS220
    - Description: CONVERTED DR LENGTH LESS THEN ”.1” .
    - Cause: When converting facilities lengths to miles after the application of the proper factor the result was less than .1 miles.
    - Impact: The miles used will be 0.0.
    - Resolution: Provide a measure and units that is larger than or equal to .1 mi.
24. Code: 2Z
    - Identified in: YDTS220
    - Description: CONVERTED TOTAL LENGTH LESS THEN ”.1” .
    - Cause: When converting facilities lengths to miles after the application of the appropriate factor the result was less than .1 miles.
    - Impact: The miles used will be 0.0.
    - Resolution: Provide a measure and units that is larger than or equal to .1 mi.
25. Code: 3A
    - Identified in: YDTS220, YDTS300
    - Description: FACILITY IS ASSIGNED TO A NON-EXISTENT CIRCUIT

- Cause: The cause for this is that the CAC is not translated by the reports system, it was not found in C1-INV. This represents an out of sync data base condition in TIRKS.
- Impact: The unit in question will be considered as spare.
- Resolution: Turn over to the circuit provisioning group for correction.

26. Code: 3B
    - Identified in: YDTS220
    - Description: FACILITY IS ASSIGNED TO A NON-WORKING CIRCUIT
    - Cause: A pending disconnect date has become past due and therefore the circuit is considered as non working, therefore the facility unit is considered as spare.
    - Impact: None. This is issued as a warning that the facilities and associated equipment for this circuit will be considered as invalid.
    - Resolution: There is no resolution for this. If the due date is way over due and the circuit is still in service then the disconnect should be canceled.
27. Code: 3C
    - Identified in: YDTS300
    - Description: MAXIMUM NUMBER OF FACILITIES ASSIGNED TO WORKING CIRCUIT EXCEEDED
    - Cause: The number of facilities for a single circuit has exceeded 600. The system was designed to only handle this many facilities, which should be more than enough.
    - Impact: Any facilities that are above the count of 600 are ignored.
    - Resolution: Find out if this is a reasonable circuit design, if so TDIS may have to have it’s limit reset, otherwise correct the error in TIRKS.
28. Code: 3E
    - Identified in: YDTS240
    - Description: INVALID EQUIPMENT IDENTIFICATION - LOCATION CODE NOT PRESENT.
    - Cause: There was a bad or blank equipment location code found. The location code was removed from RDLOC before all locations were removed from equipment.
    - Impact: The bad location equipment is not passed to TDIS.
    - Resolution: Have the TIRKS staff investigate the problem and correct.
29. Code: 3F

- Identified in: YDTS240
- Description: INVALID EQUIPMENT IDENTIFICATION - HECI CODE NOT PRESENT
- Cause: This is caused by the failure of the reports build to convert an ECI to a HECIG via the equipment catalog.
- Impact: The equipment is ignored.
- Resolution: Refer to the TIRKS equipment catalog person.

30. Code: 3G
    - Identified in: YDTS240
    - Description: INVALID EQUIPMENT IDENTIFICATION - RELAY RACK NOT PRESENT FOR A NON-ASSEMBLY EQUIPMENT COMPLEMENT
    - Cause: The UNIT TYPE field was found to not contain '@', indicating an assembly, and the relay rack was blank. The relay rack is allowed to be blank for an assembly.
    - Impact: The data for this piece of equipment was ignored.
    - Resolution: This data must be corrected by the TIRKS equipment staff.
31. Code: 3H
    - Identified in: YDTS240
    - Description: PLUG-IN UNITS NOT CURRENTLY INVENTORIED IN TIRKS
    - Cause: The unit type that was expanded from the catalog using the ECI was found to contain 'P' for plug in.
    - Impact: This root and all units will be ignored.
    - Resolution: Correct the catalog for HECI (ECI). This must be done by the TIRKS staff.
32. Code: 3I
    - Identified in: YDTS240
    - Description: MAXIMUM NUMBER OF 500 UNIQUE DIVESTED ADMIN REPORTED ON EXCEEDED
    - Cause: More than 500 combinations of company with 0.0 were found. The data comes from the EQPH screen, CPY/PCT field.
    - Impact: The Divested administrator code found is used. With this many combinations of Divested administrator code not very much equipment will be loaded into CES or counted for terminations.

- Resolution: Correct or remove the offending CPY/PCT data on the EQPH screen.

33. Code: 3J
    - Identified in: YDTS240
    - Description: MAXIMUM NUMBER OF EQUIPMENT COMPLEMENT UTILIZATION/OWNERSHIP RECORDS EXCEEDED
    - Cause: For a given LOCATION, HECIG, RELAY RACK the program found more than 50 unique unit ranges that had differing CPY/PCT fields. The chance of this happening should be very remote.
    - Impact: The combinations that exceed 50 are ignored.
    - Resolution: Correct the data. This needs to be done by the TIRKS equipment group. The correction most likely would be to change the CPY/PCT field on the EQPH screen.
34. Code: 3K
    - Identified in: YDTS500
    - Description: MAXIMUM NUMBER OF EQUIPMENT SUBDIVISIONS ASSIGNED TO A CIRCUIT EXCEEDED
    - Cause: The program found more than 600 subdivisions of equipment as-
    - Impact: The number that exceed 600 will be discarded. That means that no terminations will be counted or CES data developed on part that exceeded 600.
    - Resolution: Determine if, for the particular circuit, it is proper to have this many equipment subdivisions assigned to a circuit. This determination should be made by the circuit provisioning group, and adjustments made if the circuit is not correct. If it is determined that more than 600 equipment subdivisions are correct then notify Bellcore for revisions to the program.
35. Code: 3L
    - Identified in: YDTS500, YDTS220, YDTS240
    - Description: SUBDIVISION ASSIGNED TO A NON-EXISTENT CIRCUIT
    - Cause: If the error occurred in YDTS220 or YDTS240 then it was due to a CAC that could not be translated in the extracts. The cause is probably that the circuit was disconnected in an incorrect manner, leaving assignments posted in F1 cable or carrier or equipment but the circuit was removed from C1-Inventory. If the error occurred in YDTS500 then the circuit was not passed forward from YDTS200 or YDTS300, but was passed forward from YDTS240. This could be due to a data base sync. problem.
    - Impact: The data will be considered as spare and not used in TDIS.

- Resolution: This data needs to be turned over to the TIRKS staff to be resolved.

36. Code: 3M

    - Identified in: YDTS240
    - Description: EQUIPMENT DISCONNECT DATE PAST DUE
    - Cause: This is not a real error but is a notification that the equipment has a disconnect posted that is past due when compared to the control date.
    - Impact: The equipment is considered as spare.
    - Resolution: There is no resolution required if the disconnect date is close to the control date. If the disconnect is overdue by several months, then some form of investigation is required.

37. Code: 3N

    - Identified in: YDTS300
    - Description: MISMATCH ON DRCKT TYPE
    - Cause: In a multiple CPU merge run the same circuit id was found but the DR CIRCUIT type was not the same on all circuits. In a single CPU run the same circuit id was found logged under two format codes and the DR CIRCUIT type was different on each.
    - Impact: The first is used as the DR CIRCUIT type for the circuit, the second is ignored. All facility class codes are regenned based on the retained DR CIRCUIT type.
    - Resolution: For the multi CPU situation change the DR CIRCUIT type to be the same in all processors. For the single CPU run it would be advisable to delete the one circuit that is incorrect.

38. Code: 3P

    - Identified in: YDT215
    - Description: CAN NOT FIND THE ”LOC A” OR ”LOC Z” OF A CIRCUIT IN THE CORRESPONDING ”SCID” RECORD.
    - Cause: When the SCAD data base was examined an ’A’ or ’Z’ point was given as the end point within a given SCID. When the SCID data was examined then the ’A’ or ’Z’ point could not be found in the SCID data base. This should be caused by out of sync data bases.
    - Impact: Data is discarded, resulting in circuits that are unable to be sequenced.
    - Resolution: If the volume is large then an examination of the extract process may be in order. If the volume is small then look for it to repeat or disappear the next

month. If the data repeats in the next month then the problem should be turned over to the TIRKS staff.

39. Code: 3Q

    - Identified in: YDTS216
    - Description: NO ”02” SEGMENT (ZRRCID02) FOUND UNDER A SCID ”01”
    - Cause: The only segment found for a SCID in the SCID data base was the ’01’ and no ’02’ segments.
    - Impact: No SCID segment links were found for a given SCID code. No SONET links can be used to assign to circuits.
    - Resolution: Determine why there are no links in the SCID data base. This must be done by the TIRKS facility provisioning group.

40. Code: 3R

    - Identified in: YDTS216
    - Description: CIRCUIT TYPE IN SCAD IS NOT ”C”, “M” OR ”S”.
    - Cause: The program is expecting that only carrier and special service circuits will be assigned to SONET carriers. A message, span or family CAC was found assigned to a SONET carrier.
    - Impact: Data is ignored. Miles will be lost, terminations will not be included, CES data will not reflect the use of the SONET carrier.
    - Resolution: Determine if the assignment of other than carrier or special is correct, if not correct the data. If the assignment is correct then contact Bellcore to have the program revised.

41. Code: 3S

    - Identified in: YDTS216
    - Description: THE SCID CODE OF A CIRCUIT IN THE SCAD DATABASE DOES NOT EXIST IN THE SCID DATABASE.
    - Cause: When the SCAD data base was examined there was an assignment that specified a SCID code. When the SCID data base was examined then that particular SCID could not be found. This may be due to out of sync data bases.
    - Impact: The SCAD assignments are ignored. This may result in the failure to sequence the circuit properly, loss of miles, loss of terminations, if the circuit was a special and perhaps the loss of counts for CES.
    - Resolution: Turn over to the circuit provisioning group for resolution.

42. Code: 3X

- Identified in: YDTS220
- Description: CABLE/TIE ASSIGNMENT IS NOT ON FULL PAIR, TIP, RING - INVALID.
- Cause: The SUBDivision in cable was found to be other than: 10, 11, 22, other values are considered as invalid.
- Impact: Any assignments on this type of SUBDivision is considered as invalid and bypassed.
- Resolution: Have the unit examined by the facility provisioning group and correct the error.

43. Code: 4A
    - Identified in: YDTS300
    - Description: NO CLASS CODE RECEIVED FROM TIRKS - FACILITY CLASS CODE GENERATED BY USE OF THE DRP DRDD TABLE
    - Cause: The facility was found to contain a blank facility class code. This may be caused by the DRDD having a blank for the class code at the intersection of the group code and DR CIRCUIT type. The facility group code may not have existed in the DRDD table when the last TIRKS regen was run.
    - Impact: None, the TDIS class code is used.
    - Resolution: Not required. If it is desired to make the error go away, make sure that the DRDD table is correct and have the TIRKS regen run for the particular facility type run. As an alternative for small volumes call the circuit up on the CD screen and press update.
44. Code: 4B
    - Identified in: YDTS300
    - Description: TRANSITING MILES CONDITION CORRECTED
    - Cause: Facilities were found that are exchange but surrounded by interexchange facilities. The exchange facility had it’s class code changed to be the same as the interexchange class code.
    - Impact: The exchange facility now carries an interexchange class code from the adjacent facility.
    - Resolution: There is no resolution required. This is just advising you that the code was changed for audit tracing.
45. Code: 4D
    - Identified in: YDTS200

- Description: CLO ACTION INVALID - DRP CIRCUIT STATUS SET TO NON-WORKING
- Cause: No CLO segment existed for this circuit. The action was not one of the following: A, C, CN, D, DS, PL, R, RN, S, SP. additionally for message 'AS' and for families 'RH'.
- Impact: The circuit is considered as non working.
- Resolution: Find out if the CLO ACTION is valid, if so call Bellcore, if not correct locally in TIRKS.

46. Code: 4E

- Identified in: YDTS300
- Description: FACILITY CLASS CODE COULD NOT BE GENERATED BY USE OF THE DRP DRDD TABLE - TIRKS CLASS CODE IS USED
- Cause: The DRDD table did not contain an entry for the DR CIRCUIT type group code combination, therefore it was not possible to develop a class code for the facility.
- Impact: If the class from TIRKS is correct then there is no impact. If the class code from TIRKS is wrong then the facility miles will be counted in the wrong place, the Cable & Wire study will develop an incorrect categorization, terminations will be counted to the wrong class code and the Circuit study will categorize to the wrong category.
- Resolution: Correct the DR CIRCUIT type, or add an entry in the DRDD table to account for the DR CIRCUIT type group code combination.

47. Code: 4F

- Identified in: YDTS300
- Description: FACILITY CLASS CODE GENERATED BY USE OF THE DRP DRDD TABLE IS DIFFERENT THAN THE ONE RECEIVED FROM TIRKS - REGEN FLAG = N". TIRKS CLASS CODE IS USED.
- Cause: This is caused by the regen flag for a facility being set to stop TIRKS regen from changing the class code. When the TDIS regen compared the code on the facility vs. the one from the DRDD table they were found to be different. Since the regen flag was set the new TDIS code was not used.
- Impact: If the code is correct there is no impact, on the other hand if the code is incorrect then the facility is not being categorized correctly. This will affect Cable & Wire, miles, terminations and Circuit study.

- Resolution: If the regen flag was set to force the class code to a value, and the value is correct then no action is required. If the code is incorrect then: a) reset the regen flag or b) change the class code and leave the regen flag.

48. Code: 4I
    - Identified in: YDTS220
    - Description: CARRIER LINE ECN COULD NOT BE GENERATED BY USE OF CARRIER TECH TO ECN TRANS TBL - ”800CL” ASSUMED
    - Cause: A FAC TYPE was found that is not in the Carrier Tech to ECN table.
    - Impact: The Circuit study will not use the default ECN of 800CL.
    - Resolution: Provide an entry in the Carrier Tech table for the particular FAC TYPE causing the 4I error.
49. Code: 4J
    - Identified in: YDTS220
    - Description: CARRIER TERM ECN COULD NOT BE GENERATED BY USE OF CHANNEL BANK TO ECN OR HECIG TO ECN TBL - ”800CT” ASSUMED
    - Cause: If the carrier header had the E1 flag set then no entry could be found in the HECIG to ECN table, for the particular HECIG. Further the channel bank could not be found in the Channel Bank to ECN table. If the E1 flag is not set then the channel bank could not be located in the Channel Bank to ECN table.
    - Impact: The usage associated with the channel bank will be discarded from the circuit study. There will be no termination counts for the channel bank.
    - Resolution: Provide an entry for the channel bank in the channel bank to ECN table.
50. Code: 4L
    - Identified in: YDTS240
    - Description: INVALID UNIT TYPE RECEIVED FROM TIRKS - DRP UNIT TYPE DERIVED FROM THE EQUIPMENT IDENTIFICATION’
    - Cause: The unit type that was expanded from the catalog using the ECI was found to contain other than H, J, M, S, @ OR G. If the relay rack is blank and the HECI has an ’@’ in the 8th position then the type is set to ’@’(assembly). If the HECI has a ’M’ in the 3rd position then the unit is set to ’M’ otherwise it is defaulted to ’S’.
    - Impact: The unit is handled as an a) assembly, b) mounting or slot.

- Resolution: Correct the catalog for HECI (ECI). This must be done by the TIRKS staff.

51. Code: 4M
    - Identified in: YDTS240
    - Description: NO ECN RECEIVED FROM TIRKS - DRP ECN GENERATED BY USE OF HECIG TO ECN TRANSLATION TABLE OR DERIVED FROM THE UNIT TYPE.
    - Cause: The ECN received from TIRKS was blank.
    - Impact: The HECIG to ECN table is used in an attempt to lookup an ECN. This may result in a valid ECN or a default ECN of 800TS. If the result was a valid ECN then no harm is done. If the result was an in valid ECN of 800TS then this data will be ignored by the termination count program and CES.
    - Resolution: Correct the equipment catalog for the HECI.
52. Code: 4N
    - Identified in: YDTS240
    - Description: INVALID ECN RECEIVED FROM TIRKS - DRP ECN GENERATED BY USE OF HECIG TO ECN TRANSLATION TABLE OR DERIVED
    - Cause: The ECN received from TIRKS was found to be outside the range of 100-899 and not 800.
    - Impact: The HECIG to ECN table is used in an attempt to lookup an ECN. This may result in a valid ECN or a default ECN of 800TS. If the result was a valid ECN then no harm is done. If the result was an invalid ECN of 800TS then this data will be ignored by the termination count program and CES.
    - Resolution: Correct the equipment catalog for HECI (ECI).
53. Code: 4O
    - Identified in: YDTS240
    - Description: EQUIPMENT CLASSIFICATION COULD NOT BE GENERATED FROM THE EQUIPMENT CLASSIFICATION TABLE - ”1” ASSUMED’
    - Cause: For a given ECN an entry was not found in the equipment classification table. A default value of ’1’, for interexchange, was chosen.
    - Impact: This value either table supplied or program defaulted is used to help in the assignment of class codes when the equipment is located between an exchange and interexchange facility. The value of ’1’ means that the programs will assign an

interexchange class code. A value of ’2’ means that the programs will assign an exchange class code.

- Resolution: To stop the assignment of the default of interexchange and to demonstrate that the user is in control of all program actions, provide an entry for the specified ECN code even if it is the same as the one defaulted.

54. Code:4P

- Identified in: YDTS300
- Description: FACILITY CLASS CODE GENERATED BY USE OF THE DRP DRDD TABLE IS NOT THE SAME AS THE ONE RECEIVED FROM TIRKS
- Cause: The TDIS regenerated class code is different than the one received from TIRKS. This may be due to a) the DR CIRCUIT type changing, b) the facility group code being changed c) the DRDD changed d) the TIRKS DRDD table is different than the TDIS DRDD table. If any of the above events happened and a TIRKS regen was not run then the 4P error message will be triggered.
- Impact: There is no impact from this message, the TDIS regenerated class code is used.
- Resolution: There is no required resolution other than to make sure that the TDIS DRDD table is the correct table. Optionally to reduce the volume of 4P error counts a TIRKS regen run could be scheduled.

55. Code: 4Q

- Identified in: YDTS300
- Description: SUM OF CKT/PAIR COUNTS (TOTAL WORKING) EXCEEDS TOTAL COUNT TOTAL SET TO WORKING. SPARE SET TO ZERO
- Cause: The accumulation of the total working circuit or pair count exceeds the the number of units available.
- Impact: The total number of units is set to the total pairs/channels working, the spare count is set to zero.
- Resolution: The cable/system on which this error occurred must be examined, since this should not happen. The problem should be turned over to the facility provisioning group. For some reason the equation of last - first + 1 = total is not working when compared to the total on the screen of CXRH or CBLH.

56. Code: 6A

- Identified in: YDTS400, YDTS440
- Description: DR CLASS CODE DOES NOT EXIST IN THE CLASS CODE TO CATEGORY TRANSLATION TABLE - DR CATEGORY OF UNKNOWN ASSIGNED TO THE FACILITY

- Cause: The class code did not have an entry in the CLASS CODE TO CATEGORY table.
- Impact: The category is assigned to the category of ERROR. This is then listed on the class code to category error report. Later this category is spread in PC part of the basic study.
- Resolution: Provide an entry in the table for the class code(s) that are listed on the class code to category error report.

57. Code: 6B
    - Identified in: YDTS730
    - Description: ALL DR AREAS ASSOCIATED WITH THE FACILITY UNIT ARE BLANK - STUDY AREAS OBTAINED FROM FACILITY LOCATIONS A&Z
    - Cause: A facility unit was found with no DR AREAS.
    - Impact: The DR AREA is implied from the state code of facility terminal points, this may or may not be correct.
    - Resolution: Update the facility to have DR AREAS and length.
58. Code: 6C
    - Identified in: YDTS730
    - Description: INVALID DR CLASS CODE ASSOCIATED WITH DR CIRCUIT TYPE - NO TRUNK COUNT COMPUTED
    - Cause: The DR CIRCUIT type could not be found in following list or supplied on an RK2 card entry; MSGLD, ASGLD, MSGWIS, ASWIS, MSWST, ASWST
    - Impact: No trunk count computed for DR CIRCUIT type.
    - Resolution: Correct the DR CIRCUIT type or add an RK2 entry to define the DR CIRCUIT type.
59. Code: 6D
    - Identified in: YDTS730
    - Description: CIRCUIT COULD NOT BE SEQUENCED - NO TRUNK COUNT COMPUTED
    - Cause: The trunk count program relies on having sequenced circuits to function correctly. This circuit was not sequenced and therefore bypassed.
    - Impact: No trunk count is computed for this trunk.
    - Resolution: Investigate why the circuit could not be sequenced.

60. Code: 6E

    - Identified in: YDTS730
    - Description: AT LEAST ONE STUDY AREA ASSOCIATED WITH THE FACILITY HAS A COMPUTED TRUNK COUNT GREATER THAN TWO TWO IS USED
    - Cause: Based on the logic of 730 it was determined that this trunk had a count of more than 2.
    - Impact: A max of 2 is defaulted.
    - Resolution: Examine the trunk. If it is correct then no action is required, otherwise examine the relationship of group codes and class codes on the facilities for some inconsistency.

61. Code: 6F

    - Identified in: YDTS740
    - Description: NO USEABLE DR AREA LENGTH DATA PRESENT
    - Cause:
    - Impact:
    - Resolution: This error id will be removed. It is related to a program that is no longer supported.

62. Code: 6G

    - Identified in: YDTS300 (cxr3 report)
    - Description: FACILITY UNIT(S) WHICH PROVISIONS CARRIER FACILITY WITH ZERO OR MORE UNDERLYING CARRIERS CAN NOT BE FOUND
    - Cause: A carrier was found that had assignments on it but did not have a linking relationship established to a higher level facility.
    - Impact: Usage for the system and it’s underlying system(s) is lost in the chaining process. The data will never find it’s way into the Cable & Wire study, any higher order carrier that may support this facility will never reflect the usage in the Circuit Equipment Study.
    - Resolution: Check the CD screen and see why the layout does not provide the proper linkage for the supporting facility and correct the layout. This may be caused by the support facility being non- inventoried, if this is the case and the facility is not BCC then that is OK.

63. Code: 6H

    - Identified in: YDTS300

- Description: FACILITY UNIT(S) WHICH PROVISIONS CXR FACILITY WHICH HAS NO CXR CKT OR CXR CKT W/NO FACILITIES NOT FOUND
- Cause: When the carrier system channels or cable pairs were scanned, assignments of carrier systems were found. When these same carrier systems were looked for in C1-INV. The circuit had no facilities. As an example; a cable was found that had carrier assignments, no C1-INV data was found that joined the carrier system to these cable pairs as the supporting facility. In the case of carrier if a T3 channel had T1 carrier assignments but there were no T1 layouts that used the T3 as a support facility. This may also be caused by some lower level in the chain being broken.
- Impact: The facility unit will never reflect the subordinate usage. In the case of fiber pairs this could represent a considerable amount of categorized usage. In the Cable & Wire study this usage will never be assigned to the cable but the pairs will be spread. The Circuit study will not show the proper usage for the equipment involved with this error, since the correct usage is not assigned to the equipment.
- Resolution: If the level number is other than +0 then look for broken chains. If the level number is +0 then look at the channels or pairs, for the specific facility, all carrier assigned pairs or channels should be followed. This means looking at the CD screen to find out why this facility is not used as a support facility in the layout. Let's make an example; if a T3 system shows up with a 6H error then subordinate T1 system assignments were found. By using the CXRA screen a list of the subordinate T1 CAC's may be found. Using this list of subordinate CAC's and the CD screen, determine why the T3 channel is not shown as a facility on the T1 layout.

64. Code: 6I

- Identified in: YDTS300
- Description: CARRIER FACILITY CANNOT BE PROVISIONED ON ITSELF. REFERENCE TO CARRIER FACILITY UNIT IGNORED.
- Cause: A carrier system was found that has on it's channel assignments the assignment to it's self. This is a physical impossibility, a carrier system can not be a supporting facility for it's self.
- Impact: This entry is ignored. No real impact unless this represents some sort of creative inventory technique for protection systems, in which case broken chains will be created.
- Resolution: Determine why a carrier system is used to support it's self. This issue needs to be worked out with the facility provisioning group. If there exists a need to continue to do this then we in TDIS may need to determine how to change programming after consultation with the facility provisioning group.

65. Code: 6J

- Identified in: YDTS300
- Description: CARRIER SYSTEM HAS WORKING CARRIER CIRCUIT AND NON-WORKING CARRIER FACILITY COMPLEMENT
- Cause: Conflict of information between C1-Inv and F1-CXR. For the system printed on the report, it may be printed multiple times, once for each support facility. C1-Inv was found to have the circuit definition of this carrier as 'IE', therefore considered as working, but in F1 the system was not found to be classified as working, it had a 'PA' or some other nonworking CLO ACT.
- Impact: Any working channel utilization for this system will not be carried upward to the support facilities. This will impact the Cable & Wire study and the Circuit study.
- Resolution: This conflict must be resolved by the TIRKS facility provisioning group. They must determine how the the facility status is different than the circuit status.

66. Code: 6K

- Identified in: YDTS300
- Description: CARRIER SYSTEM IDENTIFIED AS BOTTOM CARRIER WAS FOUND TO BE SUPPORTING A LOWER LEVEL CARRIER SYSTEM.
- Cause: When a carrier system is scanned and no underlying carriers are found on the system then it is classified as a bottom carrier. This message is caused by a system being identified as a bottom carrier, ie; no in effect carrier assignments, but in fact some assignments were linked to the system. This may be due to schedule conflicts in the data bases.
  For example a channel which has an overdue disconnect is considered as spare. When in C1 it was not considered as overdue. This may happen for SONET carriers since they have no assignments.
- Impact: None. TDIS uses the links as to the system identified as a bottom carrier as valid links. The purpose of this message is to point out a data inconsistency.
- Resolution: Turn over to the facility provisioning group for correction, if the same system repeats more than once. Other errors that will have impact that do not have error messages.

67. Identified in: YDTSD781 - IR10 Undetermined LATA Codes

- Description: This report is a listing of those LATA codes that have been defaulted in the TDIS processing, the default LATA number is 999.
- Cause: This list is produced when LATA codes at the circuit level are examined to find only those intra-LATA circuits. When a default code is found then the circuit is discarded and the offending code is counted and reported on this report.

- Impact: The loss of terminations when a default code is found. The loss is for the two end points of the circuit since the entire circuit is discarded, even if one end had a valid LATA code.
- Resolution: The correction for this problem is to provide updates to the LATA table for each location that is listed on the IR10 report. The LATA updates will not be effective until the next processing cycle of TDIS, or a reprocessing of the YDTS300 process and subsequent steps.

68. Identified in: YDTS240 - EQ01 Processing summary.

- Description: Counts by Divested Administrator. This section of the report displays the various combinations of owners and occurrence counts found in the equipment data base.
- Cause: This report data is based on the OWNER fields in the EQPH screens. If no entry is found the a default value of DBO from the run is inserted. If a OWNER value of 0% is found then that value is used as the DIVESTED ADMINISTRATOR.
- Impact: Values other than the DBO will not be used in the collection of terminations or loading into the Circuit Study. This will result in a loss of data which may be valid data. Note that in some cases a value other than the DBO is a valid value where the equipment is not owned by the BCC, but is found in the equipment data base.
- Resolution: For that equipment that which is owned by the BCC but is mismarked as confirmed by the EQ01 Summary Report, correct the OWNER fields on the EQPH screen for selected equipment items. A new CES load report scheduled for Release 5.0 will identify those equipment items that are rejected because of DIVESTED ADMINISTRATOR.

69. Identified in: YDTS300 - EF02 Facility Summary Data Validation Report

- Description: The summary at end of this report lists combinations of DIVESTED ADMINISTRATOR and counts for cable and for carrier. These DIVESTED ADMINISTRATOR codes control a) what cables will be accepted in Cable & Wire study, b) what channel banks are qualified for terminations, c) what channel banks are used in the Circuit study.
- Cause: For cable the data is from the OWNER side of the CBLV screen. Any entry that has a 0.0 is used for the DIVESTED ADMINISTRATOR. If no 0.0 entry is found then a default value of DBO from YDTS220 is used.
  For carrier the OWNER side of CXRO screen is examined for a 0.0 entry, if found that value becomes the DIVESTED ADMINISTRATOR value. If none is found than a default value of B- is used.
- Impact: For cable, invalid entries will be blocked from the Cable & Wire study. Those values that are blocked will show up the Owner User Unidentified Report

(OP61) produced in YDTS410. This report lists combinations of DIVESTED ADMINISTRATOR and DR AREAS the were not selected.

- For carrier, invalid combinations of DIVESTED ADMINISTRATOR or combinations that reflect non BCC ownership are placed on the IR13 report. The systems that appear on this report may be here for either or both ends not appearing to be BCC owned. No termination count will be produced for an end not marked with a 'B'. The carrier channel banks that are non-owned as found in the DIVESTED ADMINISTRATOR are blocked in the Circuit study.
- Resolution: The incorrect codes should be fixed in either cable or carrier. To produce a list of cables/systems that have a particular DIVESTED ADMINISTRATOR code use the YDTS620 process and supply the DIVESTED ADMINISTRATOR code on the input card that controls the run. Once the cable/system has been identified then corrections may be applied to the TIRKS CBLV or CXRO screen as necessary.

Acronyms

A	Alphabetic
A/N	Alphanumeric
BCC	Bellcore Client Company
C&W	Cable and Wire
CAC	Circuit Access Code
CAD	Circuit Activity by DR Area
CAS	Circuit Activity by State
CD	Circuit Details
CLO	Circuit Layout Order
COE	Central Office Equipment
CES	Circuit Equipment Study
CPC	Circuit Processing Code
CPR	Continuing Property Record
DBO	Database Owner
DCT	DR Circuit Type
DDS	Digital Data Service
DOPAC	Dedicated Outside Plant Assignment Card
DRP	Detailed Regulatory Process
DR	Detailed Regulatory
DRDD	Detailed Regulatory Data Display
ECN	Equipment Category Number
EO	End Office
FC	Facility Category
FCC	Federal Communications Commission
GDG	Generation Data Group
GOC	Generic Order Code
HGC	Hicap Group Code
HECI	Human Equipment Category Item

HECIG	Human Equipment Category Item Group
IDC	Information Distribution Company
ISO	International Standards Organization
IXC	Interexchange Carrier
IXG	Interexchange Group Code
JCL	Job Control Log
LATA	Local Access and Transport Area
LCAC	Span Line Circuit Access Code
MFJ	Modified Final Judgement
MIC	Material Item Code
MSC	Minimum Service Charge
NOC	Normalized Office Code
OCC	Other Common Carrier
OSP	Outside Plant
PDS	Partitioned Data Set
PICS	Plug-in Inventory Control System
POI	Point of Interface
POP	Point of Presence
POT	Point of Termination
SGAC	Span Group Access Code
SONET	Synchronous Optical Network
SRD	System Release Description
TDIS	TIRKS Detailed Regulatory System
TDIS-TBL	TDIS-Online Table Update
TGAC	Trunk Group Access Code
TRS	TIRKS Report System
V&H	Vertical and Horizontal
WATS	Wide Area Telephone Service

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