

NO. 5 CROSSBAR (4-WIRE)
ALSTON 600 RECORDING SYSTEM
SYSTEM DESCRIPTION AND ASSIGNMENT PROCEDURES
TRAFFIC MANAGEMENT SYSTEMS

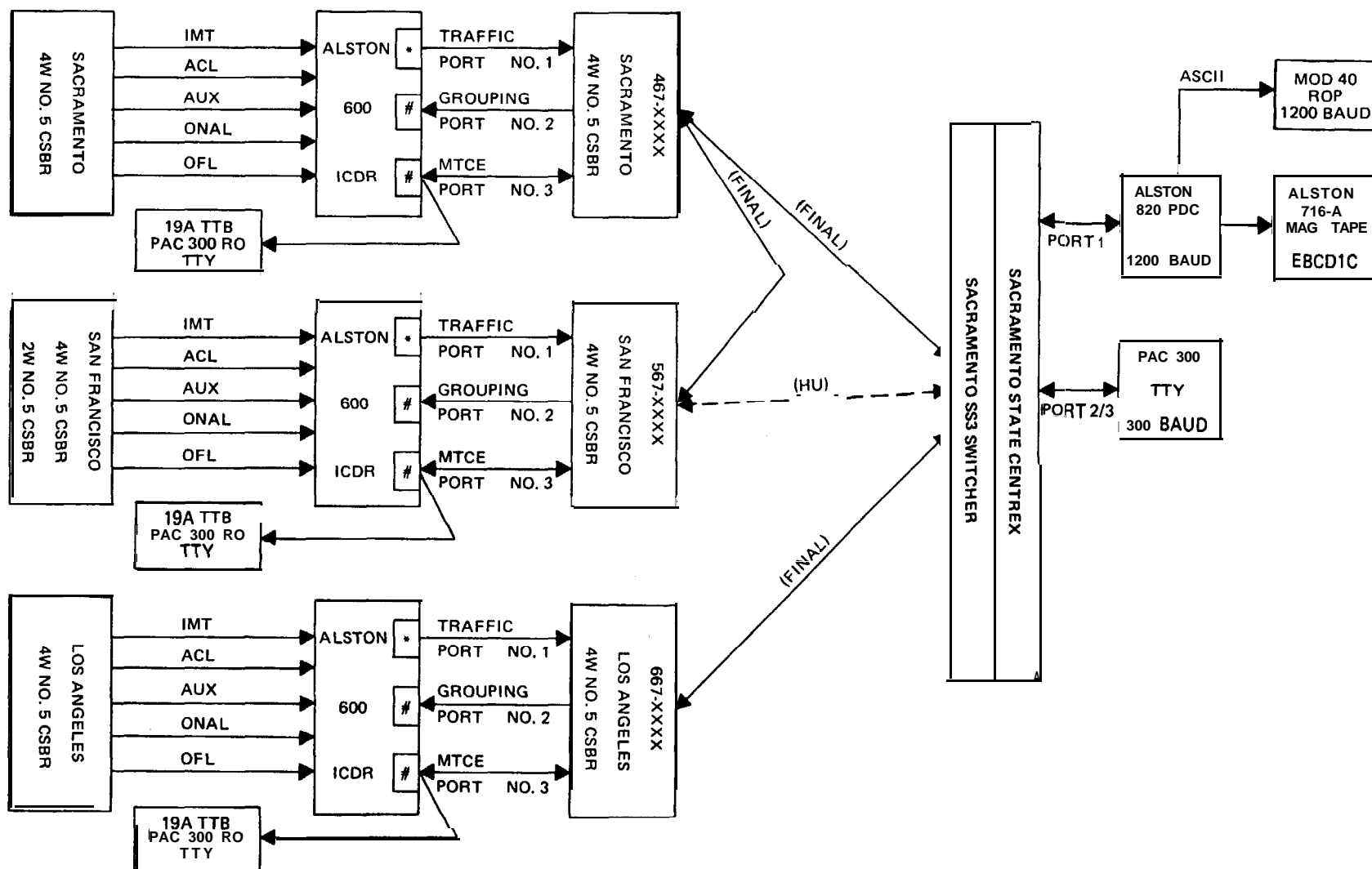
Contents	Page	
1. GENERAL	1	1.03 A flowchart providing details on the State of California CCSA/ATSS (Automated Telecommunication Switching System) Network — Alston Data System is shown in Chart A.
2. OPERATION OF ALSTON 600 RECORDING SYSTEM.....	1	2. OPERATION OF ALSTON 600 RECORDING SYSTEM
3. RESPONSIBILITIES	3	2.01 <i>General:</i> The Alston 600 Individual Circuit Data Recorder is a traffic-gathering system that collects simultaneous usage, peg count and overflow data. The fully configured system accommodates 40 to 16,000 individual input leads from trunks or circuits to be monitored. Peg count, overflow and usage data are collected and stored from each lead, then grouped within the system. (Detailed operation information is contained in Section 252-133-900PT.)
4. ASSIGNMENT RECORD FOR THE CROSS-CONNECTION FIELD (PED-25030)	6	2.02 <i>Output Capacity:</i> The system provides for programming up to 2,000 output groups each containing any number of inputs. All inputs holding the same group number are totaled under that groups' output.
5. ASSIGNMENT RECORD FOR CROSS-CONNECTION MAIN DISTRIBUTING FRAME.....	7	2.03 <i>Registers Associated With Input Groups:</i> Two registers are associated with each input group (one for peg count and usage, and one for overflow), thus a total of 2,000 registers may be accommodated. Peg count is determined by the number of times that a circuit was busy for a period between 20 and 320 milliseconds (ms). One-second usage data is obtained by a scanning technique that strobes the equipment once every second. Usage data collected is divided by 100 to obtain CCS (hundred call seconds).
6. ASSIGNMENT RECORD FOR CROSS-CONNECTION — TURDF.....	14	2.04 <i>Input Capacity:</i> Each input board consists of 40 inputs. A fully equipped unit will serve 1,000 inputs. A maximum of 16 units (16,000 inputs)
1. GENERAL		
1.01 This section provides:		
• A general description of the Alston 600 Individual Circuit Data Recorder		
• Procedures for assigning CCSA (common control switching arrangement) intermarker trunks and access lines for the State of California and other customers that may purchase this equipment.		
1.02 It is issued to convert the Pacific Telephone Dial Facilities Management Practice (DFMP) Division H, Section 1e(3), Supplement A1, December 1977, to the 9-digit Bell System Practices (BSPs) series. All references to DFMP numbers have been changed to reflect the appropriate 9-digit BSP numbers.		

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

CHART A

STATE OF CALIFORNIA CCSA/ATSS NETWORK ALSTON DATA SYSTEM



• = HIGH SPEED DATA SET (1200 BAUD)
= LOW SPEED DATA SET 1300 BAUD)

may be provided per Alston 600 System. The input unit supplies a termination for trunks under study and supplies signals to the address memory unit to designate trunks in use. (See Fig. 1 for an illustration of the 16K System configuration.)

2.05 Data Transmitted: Data is transmitted over the DDD Network or a dedicated facility to readout devices located at the Customer's premise. The Alston 600 is physically located in the No. 5 crossbar central office.

2.06 Cross-Connect Alston 600: At the present time, there are three ways to cross-connect the Alston 600 to trunks, route relays and auxiliary circuits.

- Interface circuit PED-25030
- Cross-connect on main distributing frame (MDF)
- Cross-connect on TUR distributing frame (TUR-DF).

2.07 The assignment of the Alston 600 using the cross-connect methods listed in 2.06 are described in Parts 4, 5, and 6.

2.08 The Network Design Order (NDO) will describe the method of cross-connection used for the particular office.

2.09 Alston 600-Ports: The Alston 600 may be set to printout data automatically each hour, half hour or quarter hour. Data output and programming input is accomplished at three input/output ports.

- (a) Port 1 is the primary dump for all accumulated stored data. This port may also send and receive grouping table data. The readout device associated with this port is located at the customer's premise.
- (b) Port 2 is intended for grouping table management. It is used for loading the input grouping and is located at the customer's premise. The customer is responsible for grouping table management.
- (c) Port 3 is used for maintenance study purposes. Individual lead totals, holding times and threshold data may be obtained from this

port. This port may be provided at the customer's premise if requested.

3. RESPONSIBILITIES

3.01 The Switching Administrator will:

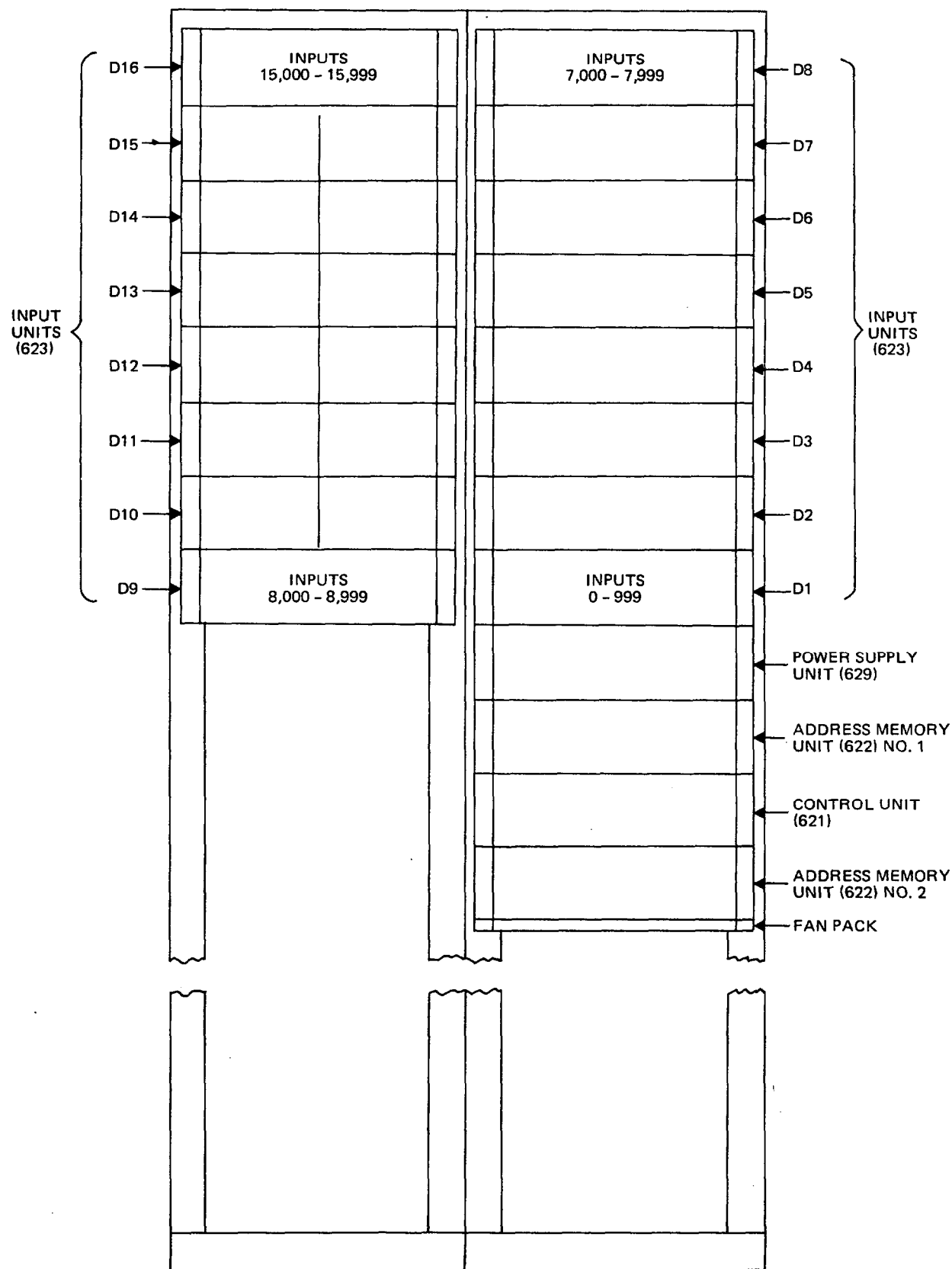
- (a) Initially assign all CCSA intermachine trunks and access lines to the Alston 600 System.
- (b) Continue to assign all connect, disconnect, changes, etc, as required per Trunk Orders (TOs) from the Area Trunk Assignment Bureau (ATAB) or Universal System Service Orders (USSOs) to the Alston 600 System.
- (c) Maintain complete assignment records on Alston 600 System, as well as central office trunk assignments on peg count, overflow and usage.
- (d) In a non-EADAS (Engineering and Administrative Data Acquisition System) environment, the local ADSM would be responsible for the Alston assignments and records.
- (e) In an EADAS environment, the ADSM responsible for data at the EADAS Center would be responsible for the Alston assignments and records.

3.02 Switching Maintenance Personnel will:

- (a) Observe installation of Alston 600 and maintain appropriate wiring diagrams.
- (b) Obtain instructions and/or training material for installation and maintenance of Alston 600 from Western Electric (WE) or CONRAC Corporation.
- (c) Cross-connect assignment orders received from the Switching Administration.
- (d) Maintain Alston 600 and associated equipment as required.

3.03 The Switching Engineer is responsible for:

- (a) Originating NDO to install the Alston 600.



16K System Configuration
Fig. 1

- (b) Coordinating material procurement with the supplier and coordinate storage and maintenance replacements.
- (c) Numbering of each system and the placement of Alston 600 in the serving central office with associated equipment.

Example:

<i>Alston Input No.</i>	<i>Term No.</i>
D1	0-999
D2	1000-1999
D3	2000-2999

- (d) Providing assignments where trunk leads appear on cross-connect terminals, etc.

3.04 *Network Operations* is responsible for the following:(a) *Trouble Reporting Procedures —*

- (1) The customer (State of California) will report all Alston troubles to the Sacramento Network Control Office (NCO).
- (2) The Sacramento NCO will in turn refer Alston troubles to the Plant Control Office (PCO) and Serving Bureau (SVB) involved.
- (3) The PCO/SVB will:
 - a. Test the message circuit(s) involved to assure that they are working.
 - b. If necessary, the PCO/SVB will refer the Alston Scanner trouble to the 4W No. 5 crossbar office for investigation and corrective activity.
- (4) The Trouble Report will be returned along the same lines.

Note: In some cases Trouble Reports will not follow this reporting procedure (eg, trouble reports which have been escalated for various reasons). Additionally, failures that involve parts, chassis, etc, may not be made through the PCO/SVB or the NCO although feedback is certainly warranted.

- (b) Maintains intermachine trunks and access lines.

- (c) Schedules and completes trunk routines and daily maintenance on CCSA intermachine trunk and access lines.
- (d) Interface with Switched Services Bureau (SSB), and Switching Offices.
- (e) Inputs Trouble Ticket Data to Cleveland Data Processing Center.

3.05 *Marketing* will:

- (a) Coordinate in-service date with customer.
- (b) Obtain list of trunks to be assigned from customer and forward to the Switching Administrator. (List should include 1-way out, 2-way, etc.)
- (c) Obtain Alston 600 input assignments from the Switching Administrator and forward to customer for grouping table.
- (d) Issue USSO and/or M1031 as required to all departments.
- (e) Normal order routine to connect, disconnect or change equipment. These changes must be coordinated with the Switching Administrator, Network Switching Engineer, ATAB and other departments as required.

3.06 *Business Services* will:

- (a) Assign CCSA NNX telephone numbers, TGID, CG serial numbers, user codes, etc.
- (b) Analyze data and refer problems to the Switching Administrator.
- (c) Analyze data and make recommendation to customer on trunk quantities, network configurations, etc.

3.07 *The Customer (Alston Data System) is:*

- (a) Responsible for loading input assignments and grouping table management.
- (b) Responsible for analysis of data on intermachine CCSA trunks and access lines on the Alston 600 Data System.

4. ASSIGNMENT RECORD FOR THE CROSS-CONNECTION FIELD (PED-25030)

4.01 Interface Circuit PED-25030: Provides a cross-connection field for interfacing No. 5 crossbar trunk sleeves to the Alston 600 inputs units. This cross-connect field in its full configuration can store 2,880 trunks. Cables from the cross-connect field to the trunk sleeve leads and the PED circuit are furnished and installed by WE.

4.02 NDO: The Network Switching Engineer sends the NDO to the Switching Administrator.

4.03 Assignment Procedures:

1. Obtain wiring lists (see Exhibits 1A and 1B) via normal distribution from WE.
2. Enter all input numbers (eg, D1, D2, D3, etc) shown on the wiring list onto Form P 4301 (Fig. 2).
3. After all input numbers are posted on Form P 4301, divide the form into units of 40 (eg, 0-39, 40-79, 80-119, etc). Mark these units as UNIT 1, UNIT 2, UNIT 3, etc.

Note: The customer will assign the input leads to the grouping table in order to read-out collected data as shown in Table D.

4. Assign each CCSA intermediate trunk group access line, and route relay on Form P 4301 as follows:

a. *Peg Count and Usage* — One input per trunk number or access line.

- *Two-Way Trunks and Access Lines (I-Way Out)* — One Input (Peg count and usage will be originating and through originating traffic.)
- *Auxiliary Lines* — One Input (Peg count and usage will be originating and terminating traffic combined.)
- *One-Way In Trunks* — May be assigned in originating office. If assigned in terminating office, assign one input.

b. *Overflow* — One input per route relay. If more than one route relay is assigned per trunk group, each route relay may require an Alston input assignment. Each group would have to be reviewed individually.

Note: Trunk groups do not have to be assigned in sequential order. Spare inputs should be reserved for future use when possible. The Traffic Trunk Forecast may be used as a guide for allowing spare trunk inputs.

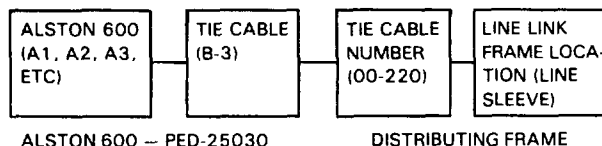
5. Form P 4301 will be used to cross-connect Alston 600 inputs to the actual trunk circuits on the relay rack. (See Fig. 3.)

Note: The NDO may show B1 and B2 as trunks and the type of trunk (ie, M78, K142, K110, A37, etc). B2 may be assigned to overflow or miscellaneous equipment. B4 may also be assigned to trunks and route relays. The arrangement will be assigned by the Switching Engineer and specified in the NDO.

4.04 Spare Trunks and Route Relays: These may be wired to the Alston 600 System even though they are not in use. These spare trunks are the type reserved for future use by CCSA customers. A WE job is required to add trunks or route relays to the Alston 600 System.

4.05 Auxiliary Lines: These lines can only be scanned when a cross-connect is made from the LS (line sleeve) of the assigned line link frame and the input to the Alston 600 System. Any change in line link frame equipment causes a change in auxiliary line records and the cross-connects to the Alston 600 System.

4.06 Assignments for auxiliary line circuits will be posted on Form P 4301 to include all necessary information. The Alston 600 inputs (A1, A2, etc) must be associated with the tie cable (B3), tie cable number (00-220, etc), the associated line link frame location, and CCSA NNX telephone number. Any tie cable may be assigned to any auxiliary line circuit.



4.07 Alston 600 Assignment Forms (See Fig 4A and 4B): After all assignments are completed on Form P 4301, a record of each trunk group, ID number, Alston 600 input and cross-connect must be posted on Form P 4301-2 (one trunk group per form).

4.08 On all Alston 600 assignments, the Switching Administrator will post circuit numbers, auxiliary lines overflow, and Alston 600 input number on Form P 4301-3 (see Fig. 5A and 5B). This is the only record of Alston 600 assignments provided by the Telephone Company via Marketing to the customer.

Marketing Account Manager
Sales and Service for The State of California
1925 "U" Street
Sacramento, CA 95818
Tel. No. (916) 452-8619

4.09 Ongoing activity will be posted on Forms P 4301, P 4301-2, and P 4301-3. Form P 4301 is the Switching Administrator's record and does not need to be reproduced. Form P 4301-2 will be reproduced for Switching Maintenance. Form P 4301-3 will be reproduced for the customer. (See Table A for assignment checklist.)

TABLE A
ASSIGNMENT CHECKLIST

FORM NO	NAME	INITIAL ASSIGN		UPDATE ASSIGN	
		MKTG	SW MTCE	MKTG	SW MTCE
P 4301	ALSTON 600 INPUTS DIAL ADMIN RECORD				
P 4301-2	ALSTON 600 CROSS-CONNECTS		X		X
P 4301-3	ALSTON 600 (CUSTOMER RECORD)	X		X	

5. ASSIGNMENT RECORD FOR CROSS-CONNECTION MAIN DISTRIBUTING FRAME

5.01 Main Distributing Frame (MDF) Cross-Connect Field: Provides a cross-connect field for interfacing No. 5 crossbar trunk sleeve leads, overflow and auxiliary line circuits to Alston 600 input units. Route relays (OF lead) are cabled from the completing markers to the horizontal side on the MDF. Each trunk (S lead) must have a relay rack, frame, circuit number and punching assigned to the Alston 600 unit. (See Fig. 6.)

5.02 NDO: The Switching Administrator receives the NDO from the Network Switching Engineer. Wiring lists will be provided by WE via normal distribution. Wiring lists which show relay rack assignments to MDF blocks will be drawing numbered TXXXX-M2-5269.

5.03 Assignment Procedures:

1. Obtain wiring lists via normal distribution from WE.
2. Enter all input numbers (eg, D1, D2, D3, etc) shown on the wiring list onto Form P 4301. (Fig. 7).

Note: The NDO will specify the total number of scanner input leads in the Engineering and Installation Information Section (Exhibit 1C).

3. After all input numbers are posted on Form P 4301, divide the form into units of 40 (eg, 0-39, 40-79, 80-119, etc). Mark these units as UNIT 1, UNIT 2, UNIT 3, etc.

Note: The customer will assign the input leads to the grouping table in order to read-out collected data as shown in Table D.

4. Assign each CCSA trunk group as follows:
 - a. *Peg Count and Usage* — One input per trunk number and access line.
 - *Two-Way Trunks and Access Lines (I-Way Out)* — One Input (Peg count and usage will be originating and through originated traffic.)

ALSTON 600 INPUTS

P4301

ISSUE DATE _____ OFFICE SNFC CA 01 ZZZ PAGE 1 OF _____
 ISSUED BY _____ RESCHED. DATE _____ REASON INITIAL ASSIGNMENT OF
 DUE DATE _____ JOB NO. _____ ALSTON 600 - STATE OF CALIF.
 ORDER NO. _____

ACTION	TRUNK GROUP AND TRUNK NO.	D1 D2 D3 D4	INPUT NO.	A1 A2 A3 A4	TERM NO.		B1 B2 B3 B4	TERM NO.		RELAY RACK AISLE	FR		PCHG	TIE PAIR
					V	H		V	H					
		<i>D1</i>	00	<i>A1</i>	00	00								
			01			01								
			02			02								
			03			03								
			04			04								
			05			05								
			06			06								
			07			07								
			08			08								
			09			09								
			10			10								
			11			11								
			12			12								
			13			13								
			14		01	00								
			15			01								
			16			02								
			17			03								
			18			04								
			19			05								
			20			06								
			21			07								
			22			08								
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			24			10								
			25			11								
			26			12								
			27			13								
			28		02	00								
			29			01								
			30			02								
			31			03								
			32			04								
			33			05								
			34			06								
			35			07								
			36			08								
			37			09								
			38			10								
			39			11								
			40			12								
			41			13								
			42		03	00								
			43			01								
			44			02								
			45			03								
			46			04								
			47			05								
			48			06								
			49			07								

C = CONNECT
 D = DISCONNECT
 R = REARRANGE

COMPLETED BY _____

RETURN TO _____

Alston 600 Inputs
 Assignment Cross-Connect Field PED-25030
 Fig. 2

ALSTON 600 INPUTS

P4301

ISSUE DATE 11-22-77ISSUED BY WILMADUE DATE 12-15-77

ORDER NO. _____

OFFICE SNFC CA 01 ZZZ

RESCHED. DATE _____

JOB NO. 1958 EPAGE 1 OF _____REASON INITIAL ASSIGNMENT OF
ALSTON 600 - STATE OF CALIF.

ACTION	TRUNK GROUP AND TRUNK NO.	D1 D2 D3 D4	INPUT NO.	A1 A2 A3 A4	TERM NO.		B1 B2 B3 B4	TERM NO.		RELAY RACK AISLE	FR		PCHG	TIE PAIR
					V	H		V	H		FR	CKT		
UNIT 7 C	LSANCA07ZZZ 3GP2000-400	DI	2	00	A1	14	04	B1	31	07	403	00	02	
	401			01			05		43	00		12	07	
	402			02			06		39	01		09	05	
	403			03			07		38	04		10	07	
	404			04			08		19	05		26	10	
	405			05			09		31	08		00	03	
	406			06			10		13	07		12	07	
	407			07			11		38	06		09	01	
	408			08			12		43	03		14	01	
	409			09			13		14	02		14	02	
	410			10			15		00	22	08	01	05	
	411			11			01		24	01		03	04	
	412			12			02		31	08		00	03	
	413			13			03		43	01		12	08	
UNIT 8 C	414			14			04		39	02		09	06	
				15			05							
				16			06							
				17			07							
				18			08							
	MTRY CA 01 37A 3GX2000-130		19				09	B1	34	08	403	06	00	
	131		20				10		00	03	402	01	03	
	132		21				11		30	04	403	25	05	
	133		22				12		35	02	403	06	03	
	134		23				13		05	03	402	09	00	
	135		24				16		00	50	02	418A	05	08
	136		25				01		04	04	402	07	04	
	137		26				02		17	03	402	18	06	
	138		27				03		48	02	418A	03	02	
	139		28				04		35	04	403	06	05	
	140		29				05		00	01	402	01	01	
UNIT 8 C	AUXLINES 567-0210 208-02-94		30				06							15
	567-0257 206-02-84		31				07							16
	567-0310 207-01-70		32				08							17
	567-0153 215-00-10		33				09	B3	25	06				18
	567-0340 207-03-53		34				10		25	07				19
	567-0250 205-01-03		35				11		25	08				20
	567-0251 207-03-43		36				12		26	00				21
	567-0494 208-00-92		37				13		26	01				22
	567-0187 206-01-31		38				17		00	26	02			23
	567-0490 215-00-74		39				01		26	03				24
	567-0491 212-01-70		40				02		26	04				25
			41				03		26	05				
			42				04		26	06				
			43				05		26	07				
UNIT 8 C	MTRY CA 01 37A RR 113		44				06							
			45				07							
			46				08	B3	12	03				
UNIT 8 C	LSANCA07ZZZ - RR 41		47				09							
	RR 68		48				10	B3	13	04				
			49				11		13	05				

C = CONNECT
D = DISCONNECT
R = REARRANGE

COMPLETED BY _____

RETURN TO _____

Fig. 3

SECTION 252-133-901PT

ALSTON 600 - CROSS-CONNECTS TO CENTRAL OFFICE EQUIPMENT

P4301-2

[illegible]

PREPARED BY: WILMA GILL TELEPHONE NUMBER 415-542-7000

Alston 600
Cross-Connects to Central Office Equipment
Fig. 4A

P4301-3

Alston 600 — Trunk Summary
Fig. 5A

ALSTON 600 – TRUNK SUMMARY

P4301-3

[illegible]

* C = CONNECT

D = DISCONNECT

R = REARRANGE

PREPARED BY:

WILMA GILL

TELEPHONE NUMBER

415-542-7000

Fig. 5B

- **Auxiliary Lines** — One input (One input for originating and terminating traffic.)
- **One-Way In Trunks** — May be assigned in originating office. If assigned in the terminating office, assign one input.

- b. **Overflow** — One input per route relay. If more than one route relay is assigned per trunk group, each route relay may need an Alston input assignment. Each group would need to be reviewed individually.

Note: Trunk groups and access lines do not have to be assigned in sequential order. Spare inputs should be reserved for future use if at all possible. The Traffic Trunk Forecast may be used as a guide for allowing spare trunk inputs.

5. Form P 4301 will be used to cross-connect Alston 600 inputs to the actual trunk circuits on the relay rack. Each input (0-2999) will be associated with a relay rack, frame, circuit number, and punching. The route relays will be associated with an RR OF LEAD numbered the same as the route relay.

5.04 Spare Trunks and Route Relays: These may be wired to the Alston 600 System even though they are not in use. These spare trunks are the type reserved for future use by CCSA customers. A WE job is required to add trunks or route relays to the Alston 600 System.

5.05 Auxiliary Lines: These lines can only be scanned when a cross-connect is made from the LS (line sleeve) of the assigned line link frame and the input to the Alston 600 System. Any change in line link equipment or assignments causes a change in auxiliary line records and the input to the Alston 600 System. Each auxiliary line circuit has a line link frame location and a CCSA NNX telephone number which must be assigned to the Alston 600 input number on Forms P 4301 and P 4301-2.



5.06 Alston 600 Assignment Forms (see Fig. 8A and 8B): After all the assignments are completed on Form P 4301, a record of each trunk group, ID number, Alston 600 input and cross-connect must be posted on Form P 4301-2, one trunk group per form.

5.07 On all Alston 600 Assignments, the Switching Administrator will post circuit numbers, auxiliary lines, overflow, and Alston 600 input number on Form P 4301-3 (see Fig. 9A and 9B). This is the only record of Alston 600 assignments provided by the Telephone Company via Marketing to the customer. (Refer to 4.08 for address of Marketing Account Manager.)

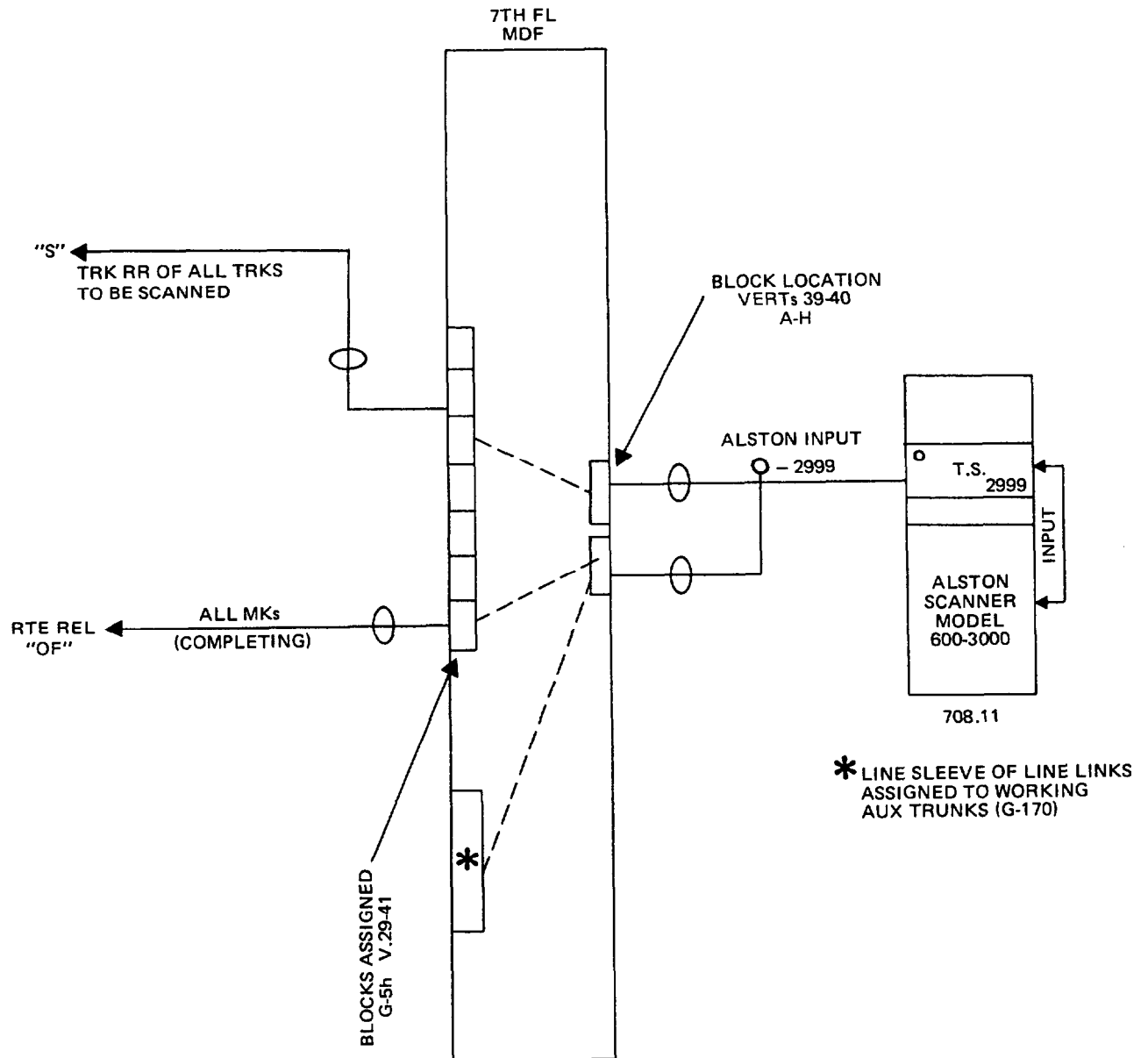
5.08 Ongoing activity will be posted on Forms P 4301, P 4301-2, and P 4301-3. Form P 4301 is the Switching Administrators record and does not need to be reproduced. Form P 4301-2 will be reproduced for Switching Maintenance. Form P 4301-3 will be reproduced for the customer. (See Table B for assignment checklist.)

TABLE B
ASSIGNMENT CHECKLIST

FORM NO	NAME	INITIAL ASSIGN		UPDATE ASSIGN	
		MKTG	SW MTCE	MKTG	SW MTCE
P 4301	CROSS-CONNECTS TO ALSTON 600 INPUTS DIAL ADMIN RECORD				
P 4301-2	ALSTON 600 CROSS-CONNECTS (BY TRUNK GROUP)		X		X
P 4301-3	ALSTON 600 (CUSTOMER RECORD)	X		X	

6. ASSIGNMENT RECORD FOR CROSS-CONNECTION — TURDF

6.01 TURDF Cross-Connect Field: TURDF provides a cross-connect field for interfacing



MDF Layout
Fig. 6

ALSTON 600 INPUTS

P4301

ISSUE DATE 11-22-77 OFFICE SCRM CA 01 ZZZ PAGE 1 OF 25
 ISSUED BY B. HUNT RESCHED. DATE _____ REASON _____
 DUE DATE 12-15-77 JOB NO. 287 B
 ORDER NO. _____

ACTION	TRUNK GROUP AND TRUNK NO.	D1 D3 D4	INPUT NO.	A1 A2 A3 A4	TERM NO.		B1 B2 B3 B4	TERM NO.		RELAY RACK AISLE			PCHG	TIE PAIR
					V	H		V	H		FR	CKT		
C	CRCY NV 01 56C 3GP1000-400	DI	00							837	10	02	938	
			01							837	18	03	967	
			02							837	03	00	1018	
			03							707	04	04	446	
			04							702	07	05	396	
			05							707	10	00	466	
			06							708	12	00	784	
			07							632	30	00	1343	
			08							632	12	05	1258	
			09							837	03	04	1022	
C	CHIC CACS 560 3GP1000-764	DI	10							707	32	01	559	
			11											
			12											
			13											
			14							708	18	06	814	
			15							706	33	18	286	
			16							707	29	09	702	
			17							708	00	06	742	
			18							706	20	00	081	
			19							707	07	08	175	
C	AUX LINES-467-1021 01-02-20	DI	20							707	22	01	519	
			21							707	07	05	604	
			22							706	29	07	266	
			23							707	22	05	523	
			24							837	17	07	1074	
			25							707	29	11	704	
			26							706	18	10	079	
			27							706	07	09	176	
			28							708	04	06	758	
			29							708	20	07	823	
C	AUX LINES-467-1021 01-02-20	DI	30											
			31											
			32											
			33											
			34											
			35											
			36											
			37											
			38											
			39											
C	AUX LINES-467-1021 01-02-20	DI	40											
			41											
			42											
			43											
			44											
			45											
			46											
			47											
			48											
			49											

C = CONNECT
 D = DISCONNECT
 R = REARRANGE

COMPLETED BY _____

RETURN TO _____

Fig. 7

ALSTON 600 – TRUNK SUMMARY

P4301-3

[illegible]

ALSTON 600 – TRUNK SUMMARY

P4301.3

[illegible]

* C = CONNECT

D = DISCONNECT

R = REARRANGE

PREPARED BY: B. HUNT TELEPHONE NUMBER 916-482-0001

Fig. 9A

SECTION 252-133-901PT

[illegible]

PREPARED BY: B. HUNT TELEPHONE NUMBER 916-486-0001

Fig. 3B

No. 5 crossbar trunk sleeve leads, overflow and auxiliary lines to the Alston 600 input units. Route relays are cabled from the completing markers to the TURDF. Each trunk will be assigned an aisle, frame and circuit numbers on the TURDF. Cross-connects will be made from the vertical side of the TURDF to the TU2W lead of the trunk Link Frame for peg count and usage.

6.02 NDO: The Switching Administrator receives a NDO from the Network Switching Engineer. Wiring lists (TXXXX-M2-156) will be provided by WE via normal distribution.

6.03 Assignment Procedures:

1. Obtain wiring lists via normal distribution from WE.
2. Enter all input numbers (eg, D1, D2, D3, etc) shown on the NDO onto Form P 4301-1. The Number of Alston 600 inputs is assigned by the Switching Engineer. (See Exhibit 1D for Engineering Notes and Job Information.)
3. After all input numbers are posted on Form P 4301-1, divide the form into units of 40 (eg, 0-39, 40-79, 80-119, etc). Mark these units as UNIT 1, UNIT 2, UNIT 3, etc, as shown in Fig. 10.

Note: The customer will assign the input leads to the grouping table in order to read-out collected data as shown in Table D.

4. Assign each CCSA trunk group, access line, and route relay on Form P 4301-1 as follows:
 - a. *Peg Count and Usage* — One input per trunk number or access line.
 - *Two-Way Trunks and Access Lines (1-Way Out)* — One Input (Peg count and usage will be originating and through originating traffic.)
 - *Auxiliary Lines* — One Input (Peg count and usage will be originating and terminating traffic combined.)
 - *One-Way In Trunks* — May be assigned in originating office. If assigned in terminating office, assign one input.

- b. *Overflow* — One input per route relay. If more than one route relay is assigned per trunk group, each route relay may require an Alston input assignment. Each group would have to be reviewed individually.

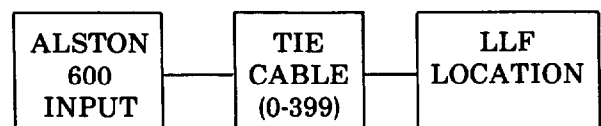
Note: Trunk groups do not have to be assigned in sequential order. Spare inputs should be reserved for future use when possible. The Traffic Trunk Forecast may be used as a guide for allowing spare trunk inputs.

5. Form P 4301-1 will be used to cross-connect Alston 600 inputs to the actual trunk circuits on the aisle, frame, and circuit number which is wired to the TURDF. The route relays will be associated with an RR OF LEAD numbered the same as the route relay.

6.04 Spare Trunks and Route Relays: All spare trunks and route relays to be used for the CCSA customer (State of California) will be preassigned to the Alston 600 System. Any additional trunks or route relays that are needed will require a WE job.

6.05 Auxiliary Lines: These lines can only be scanned when a cross-connect is made from the LS (line sleeve) of the assigned line link frame and the input to the Alston 600 System. Any change in line link frame equipment or assignments causes a change in auxiliary line records and the input to the Alston 600 System.

6.06 Assignments for auxiliary line circuits will be posted on Form P 4301-1 to include all the necessary information. Alston 600 inputs must be associated with tie cable (0-399), line link frame location, and CCSA NNX telephone number. Any tie cable may be assigned to any auxiliary line circuit. Switching Maintenance personnel will provide tie cable assignments and return the form to the Switching Administrator upon completion of the cross-connect order.



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6.07 Alston 600 Assignment Forms: After all assignments are completed on Form P 4301-1, a record of each trunk group, ID number, trunk number, Alston 600 input, and cross-connect must be posted on Form P 4301-2. One trunk group per form. (See Fig. 11A and 11B.)

6.08 On all Alston 600 assignments, the Switching Administrator will post circuit numbers, auxiliary lines, overflow, and Alston 600 input number on Form P 4301-3 (see Fig. 12A and 12B). This is the only record of Alston 600 assignments provided by the Telephone Company via Marketing. (Refer to 4.08 for the address of the Marketing Account Manager.)

6.09 Ongoing activity will be posted on Forms P4301-1, P 4301-2 and P 4301-3. Form P 4301-1 is the Switching Administrator's record and does not need to be reproduced. Form P 4301-2 is reproduced for Switching Maintenance personnel. Form P 4301-3 will be reproduced for the customer. (See Table C for assignment checklist.)

TABLE C
ASSIGNMENT CHECKLIST

FORM NO	NAME	INITIAL ASSIGN		UPDATE ASSIGN	
		MKTG	SW MTCE	MKTG	SW MTCE
P 4301-1	CROSS-CONNECTS TO ALSTON 600 INPUTS SWITCHING ADMIN RECORD				
P 4301-2	ALSTON 600 CROSS-CONNECTS (BY TRUNK GROUP)		X		X
P 4301-3	ALSTON 600 (CUSTOMER RECORD)	X		X	

ALSTON 600 INPUTS
TUR-DF

P4301-1

ISSUE DATE 11-22-77ISSUED BY B. COLLDUE DATE 12-15-77

ORDER NO. _____

OFFICE LSAN CA 07 ZZZ

RESCHED. DATE _____

JOB NO. 250 EPAGE 1 OF 25REASON INITIAL ASSIGNMENTS OF
ALSTON 600 - STATE OF CALIF.

ACTION	TRUNK GROUP AND TRUNK NUMBER	D1 D2 D3 D4	INPUT NO.				VERT	TS BLK	TS ROW	TS PCH	NOTES
				AISLE	FR	CKT					
C	SCRM CA 01 ZZZ-ZZ 713 731-910	D1	1	00	310	08	05	12	B	5	6
			911	01	310	29	10	12	D	36	5
			912	02	307	50	00	11	A	31	1
			913	03	311	01	00	13	A	19	1
			914	04	310	01	01	13	A	19	2
			915	05	311	02	02	13	A	19	3
			916	06	311	27	03	13	B	43	4
			917	07	311	27	04	13	B	43	5
			918	08	311	27	05	13	B	43	6
			919	09	311	29	00	13	B	41	1
			920	10	311	51	05	13	B	19	6
			921	11	311	51	06	13	B	18	1
			922	12	311	51	04	13	B	19	5
				13							
				14							
				15							
				16							
C	AKFD CA AB 560-ZZ 741000-1	D1	1	17	311	27	02	12	D	27	4
			2	18		27	01	13	A	42	4
			3	19		25	04	13	A	19	6
			4	20		25	03	13	A	18	1
			5	21		25	05	13	A	17	1
			6	22		25	02	13	A	17	2
			7	23		03	02	13	A	17	3
			8	24		03	01	13	B	45	6
			9	25		03	00	13	B	45	5
			10	26		01	06	13	B	45	4
			11	27		01	05	13	B	45	3
			12	28		22	03	13	B	43	2
			13	29	310	39	03	13	B	43	3
				30							
				31							
C	AUX LINES 667-2050-00-02-00	D1	1	32							0
	2051 00-05-00		1	33							1
	2052 00-06-00		1	34							2
	2053 01-02-00		1	35							3
	2054 01-05-00		1	36							4
	2055 01-06-00		1	37							5
	2056 02-02-00		1	38							6
	2057 02-05-00		1	39							7
	2058 02-06-00		1	40							8
	2059 03-02-00		1	41							9
	2060 03-05-00		1	42							10
				43							
				44							
C	AKFD CA AB 560-RR 125	D1	1	45							
	RR 162		1	46							
			1	47							
C	SCRM CA 01 ZZZ-RR 184	D1	1	48							
			1	49							

C = CONNECT
D = DISCONNECT
R = REARRANGE

COMPLETED BY _____

RETURN TO _____

Fig. 10

Page 24

P4301-2

PREPARED BY: B. COLL TELEPHONE NUMBER 213-639-0001

Fig. 11A

ALSTON 600 – CROSS-CONNECTS TO CENTRAL OFFICE EQUIPMENT

P4301-2

TRUNK GROUP NAME		LOCATION "A"		LOCATION "Z"		ISSUE							
ID NO.		COORDINATE WITH				PAGE		OF					
DUE DATE													
ACT	CIRCUIT & TRUNK NUMBER	ALSTON INPUT NO.	ALSTON TERM NO.	R. RACK AISLE	LLF FR	VG CKT	HG-F PCHG	TIE PR	VERT	TS BLK	TS ROW	TS PCHG	
C	667-2050	D1-132			00	02	00	0					
	2051	133			00	05	00	1					
	2052	134			00	06	00	2					
	2053	135			01	02	00	3					
	2054	136			01	05	00	4					
	2055	137			01	06	00	5					
	2056	138			02	02	00	6					
	2057	139			02	05	00	7					
	2058	140			02	06	00	8					
	2059	141			03	02	00	9					
Y	Y 2060	Y 142			03	05	00	10					

PREPARED BY: B. COLL TELEPHONE NUMBER 213-639-0001

Fig. 11B

ALSTON 600 – TRUNK SUMMARY

P4301-3

[illegible]

* C = CONNECT

D = DISCONNECT

R = REARRANGE

PREPARED BY: B. COLL

TELEPHONE NUMBER 213-639-0001

Fig. 12A

TABLE D
SAMPLE GROUPING — PORT 2

LINE IDENTIFICATION NO.									
"GROUPING TABLE"									
UNIT ID									
INPUT CHASSIS NUMBER									
DAY-OF-YEAR									
TIME-OF-DAY									
GT	U027	C3	D007	T0006					
00*	0000	0000	0000	0000	0000	0000	0000	0000	0000
01*	0000	0000	0000	0000	0000	0000	0000	0000	0000
02*	0000	0000	0000	0000	0000	0000	0000	0000	0000
03*	0000	0000	0000	0000	0000	0000	0000	0000	0000
04*	0001	0001	0001	0001	0001	0001	0001	0001	0001
05*	0001	0001	0001	0001	0001	0001	0001	0001	0001
06*	0001	0001	0001	0001	0001	0001	0001	0001	0001
07*	0001	0001	0002	0002	0002	0002	0002	0002	0002
08*	0002	0002	0002	0002	0002	0002	0002	0002	0002
09*	0002	0002	0003	0003	0003	0003	0003	0003	0003
10*	0003	0003	0003	0003	0003	0003	0003	0003	0003
11*	0003	0004	0004	0004	0004	0004	0004	0004	0004
12*	0004	0004	0004	0004	0004	0004	0004	0004	0004
13*	0004	0004	0004	0004	0004	0004	0004	0005	0005
14*	0005	0005	0005	0005	0005	0005	0005	0005	0005
15*	0005	0005	0005	0005	0005	0005	0005	0005	0005
16*	0005	0005	0005	0005	0005	0005	0005	0005	0005
17*	0005	0005	0005	0005	0005	0005	0005	0005	0005
18*	0005	0005	0005	0005	0005	0005	0005	0005	0005
19*	0005	0005	0005	0005	0005	0005	0005	0005	0005
20*	0005	0005	0005	0005	0005	0005	0005	0006	0006
21*	0006	0006	0006	0006	0006	0006	0007	0007	0007
22*	0007	0007	0007	0007	0007	0008	0008	0008	0008
23*	0008	0008	0008	0008	0008	0008	0008	0008	0008
24*	0008	0008	0008	0008	0008	0008	0008	0008	0008
25*	0008	0008	0008	0008	0008	0008	0008	0008	0008
26*	0008	0008	0008	0008	0008	0008	0008	0008	0008
27*	0009	0009	0009	0009	0009	0009	0009	0009	0010
28*	0010	0010	0010	0010	0010	0010	0010	0010	0010
29*	0010	0010	0010	0010	0010	0010	0010	0010	0010
30*	0010	0010	0010	0010	0010	0010	0010	0010	0010
31*	0010	0010	0010	0010	0010	0010	0010	0010	0010
32*	0010	0010	0010	0010	0010	0010	0010	0010	0010
33*	0010	0010	0010	0010	0010	0010	0010	0010	0010
34*	0010	0010	0010	0010	0010	0010	0010	0010	0010
35*	0010	0010	0010	0010	0010	0010	0010	0010	0010
36*	0010	0010	0010	0010	0011	0011	0011	0011	0011
37*	0011	0011	0011	0011	0011	0011	0011	0011	0011
38*	0011	0011	0011	0011	0011	0011	0011	0011	0011
39*	0011	0011	0011	0011	0011	0011	0011	0011	0011
40*	0011	0011	0011	0011	0011	0011	0011	0011	0011
41*	0011	0011	0011	0011	0011	0011	0011	0011	0011
42*	0011	0011	0011	0011	0011	0011	0011	0011	0011
43*	0011	0011	0011	0011	0011	0011	0011	0011	0011
44*	0011	0011	0011	0012	0012	0012	0012	0012	0012
45*	0012	0012	0012	0013	0013	0013	0013	0013	0013
46*	0013	0014	0014	0014	0014	2047	2047	2047	2047
47*	2047	2047	2047	2047	2047	2047	2047	2047	2047
48*	2047	2047	2047	2047	2047	2047	2047	2047	2047
49*	2047	2047	2047	2047	2047	2047	2047	2047	2047
50*	2047	2047	2047	2047	2047	2047	2047	2047	2047
51*	2047	2047	2047	2047	2047	2047	2047	2047	2047
52*	2047	2047	2047	2047	2047	2047	2047	2047	2047
53*	2047	2047	2047	2047	2047	2047	2047	2047	2047

OUTPUT GROUP 0
INPUT LEADS 0 TO 39
40 LEADS

OUTPUT GROUP 1
INPUT LEADS 40 TO 71
32 LEADS

OUTPUT GROUP 10
INPUT LEADS 278 TO 363
86 LEADS

INPUT LEADS NOT
PROGRAMMED

CABLE TERMINATIONS

TABLE AA			
CONNECTOR NO. 1		A1 OR A2 OR A3	
D1 OR D2 OR D3 INPUT NO.	ALSTON CABLE NO. 365252	WIRE TO TS	TERM. NO.
CONN PIN NO.	COLOR	V	H
0	A W - BL	00	00
1	B W - O	01	
2	C W - G	02	
3	D W - BR	03	
4	E W - S	04	
5	F R - BL	05	
6	H R - O	06	
7	J R - G	07	
8	K R - BR	08	
9	L R - S	09	
10	P BK - BL	10	
11	R BK - O	11	
12	S BK - G	12	
13	T BK - BR	13	
14	U BK - S	01 00	
15	V Y - BL	01	
16	W Y - O	02	
17	X Y - G	03	
18	Y Y - BR	04	
19	Z Y - S	05	
20	1 BL - W	06	
21	2 O - W	07	
22	3 G - W	08	
23	4 BR - W	09	
24	5 S - W	10	
25	6 BL - R	11	
26	7 O - R	12	
27	8 G - R	13	
28	9 BR - R	07 00	
29	10 S - R	01	
30	11 BL - BK	02	
31	12 O - BK	03	
32	13 G - BK	04	
33	14 BR - BK	05	
34	15 S - BK	06	
35	16 BL - Y	07	
36	17 O - Y	08	
37	18 G - Y	09	
38	19 BR - Y	10	
39	20 S - Y	11	

TABLE AA			
CONNECTOR NO. 2		A1 OR A2 OR A3	
D1 OR D2 OR D3 INPUT NO.	ALSTON CABLE NO. 365252	WIRE TO TS	TERM. NO.
CONN PIN NO.	COLOR	V	H
40	A W - BL	02 12	
41	B W - O	13	
42	C W - G	03 00	
43	D W - BR	01	
44	E W - S	02	
45	F R - BL	03	
46	H R - O	04	
47	J R - G	05	
48	K R - BR	06	
49	L R - S	07	
50	P BK - BL	08	
51	R BK - O	09	
52	S BK - G	10	
53	T BK - BR	11	
54	U BK - S	12	
55	V Y - BL	13	
56	W Y - O	04 00	
57	X Y - G	01	
58	Y Y - BR	02	
59	Z Y - S	03	
60	1 BL - W	04	
61	2 O - W	05	
62	3 G - W	06	
63	4 BR - W	07	
64	5 S - W	08	
65	6 BL - R	09	
66	7 O - R	10	
67	8 G - R	11	
68	9 BR - R	12	
69	10 S - R	13	
70	11 BL - BK	05 00	
71	12 O - BK	01	
72	13 G - BK	02	
73	14 BR - BK	03	
74	15 S - BK	04	
75	16 BL - Y	05	
76	17 O - Y	06	
77	18 G - Y	07	
78	19 BR - Y	08	
79	20 S - Y	09	

TABLE AA			
CONNECTOR NO. 3		A1 OR A2 OR A3	
D1 OR D2 OR D3 INPUT NO.	ALSTON CABLE NO. 365252	WIRE TO TS	TERM. NO.
CONN PIN NO.	COLOR	V	H
80	A W - BL	05 10	
81	B W - O	11	
82	C W - G	12	
83	D W - BR	13	
84	E W - S	06 00	
85	F R - BL	01	
86	H R - O	02	
87	J R - G	03	
88	K R - BR	04	
89	L R - S	05	
90	P BK - BL	06	
91	R BK - O	07	
92	S BK - G	08	
93	T BK - BR	09	
94	U BK - S	10	
95	V Y - BL	11	
96	W Y - O	12	
97	X Y - G	13	
98	Y Y - BR	07 00	
99	Z Y - S	01	
100	1 BL - W	02	
101	2 O - W	03	
102	3 G - W	04	
103	4 BR - W	05	
104	5 S - W	06	
105	6 BL - R	07	
106	7 O - R	08	
107	8 G - R	09	
108	9 BR - R	10	
109	10 S - R	11	
110	11 BL - BK	12	
111	12 O - BK	13	
112	13 G - BK	09 00	
113	14 BR - BK	01	
114	15 S - BK	02	
115	16 BL - Y	03	
116	17 O - Y	04	
117	18 G - Y	05	
118	19 BR - Y	06	
119	20 S - Y	07	

TABLE AA			
CONNECTOR NO. 4		A1 OR A2 OR A3	
D1 OR D2 OR D3 INPUT NO.	ALSTON CABLE NO. 365252	WIRE TO TS	TERM. NO.
CONN PIN NO.	COLOR	V	H
120	A W - BL	08 08	
121	B W - O	09	
122	C W - G	10	
123	D W - BR	11	
124	E W - S	12	
125	F R - BL	13	
126	H R - O	09 00	
127	J R - G	01	
128	K R - BR	02	
129	L R - S	03	
130	P BK - BL	04	
131	R BK - O	05	
132	S BK - G	06	
133	T BK - BR	07	
134	U BK - S	08	
135	V Y - BL	09	
136	W Y - O	10	
137	X Y - G	11	
138	Y Y - BR	12	
139	Z Y - S	13	
140	1 BL - W	10 00	
141	2 O - W	01	
142	3 G - W	02	
143	4 BR - W	03	
144	5 S - W	04	
145	6 BL - R	05	
146	7 O - R	06	
147	8 G - R	07	
148	9 BR - R	08	
149	10 S - R	09	
150	11 BL - BK	10	
151	12 O - BK	11	
152	13 G - BK	12	
153	14 BR - BK	13	
154	15 S - BK	11 00	
155	16 BL - Y	01	
156	17 O - Y	02	
157	18 G - Y	03	
158	19 BR - Y	04	
159	20 S - Y	05	

TABLE AA			
CONNECTOR NO. 5		A1 OR A2 OR A3	
D1 OR D2 OR D3 INPUT NO.	ALSTON CABLE NO. 365252	WIRE TO TS	TERM. NO.
CONN PIN NO.	COLOR	V	H
160	A W - BL	11 06	
161	B W - O	07	
162	C W - G	08	
163	D W - BR	09	
164	E W - S	10	
165	F R - BL	11	
166	H R - O	12	
167	J R - G	13	
168	K R - BR	12 09	
169	L R - S	01	
170	P BK - BL	02	
171	R BK - O	03	
172	S BK - G	04	
173	T BK - BR	05	
174	U BK - S	06	
175	V Y - BL	07	
176	W Y - O	08	
177	X Y - G	09	
178	Y Y - BR	10	
179	Z Y - S	11	
180	1 BL - W	12	
181	2 O - W	13	
182	3 G - W	13 00	
183	4 BR - W	01	
184	5 S - W	02	
185	6 BL - R	03	
186	7 O - R	04	
187	8 G - R	05	
188	9 BR - R	06	
189	10 S - R	07	
190	11 BL - BK	08	
191	12 O - BK	09	
192	13 G - BK	10	
193	14 BR - BK	11	
194	15 S - BK	12	
195	16 BL - Y	13	
196	17 O - Y	14 00	
197	18 G - Y	01	
198	19 BR - Y	02	
199	20 S - Y	03	

TABLE AA			
CONNECTOR NO. 6		A1 OR A2 OR A3	
D1 OR D2 OR D3 INPUT NO.	ALSTON CABLE NO. 365252	WIRE TO TS	TERM. NO.
CONN PIN NO.	COLOR	V	H
200	A W - BL	14 04	
201	B W - O	05	
202	C W - G	06	
203	D W - BR	07	
204	E W - S	08	
205	F R - BL	09	
206	H R - O	10	
207	J R - G	11	
208	K R - BR	12	
209	L R - S	13	
210	P BK - BL	15 00	
211	R BK - O	01	
212	S BK - G	02	
213	T BK - BR	03	
214	U BK - S	04	
215	V Y - BL	05	
216	W Y - O	06	
217	X Y - G	07	
218	Y Y - BR	08	
219	Z Y - S	09	
220	1 BL - W	10	
221	2 O - W	11	
222	3 G - W	12	
223	4 BR - W	13	
224	5 S - W	16 00	
225	6 BL - R	01	
226	7 O - R	02	
227	8 G - R	03	
228	9 BR - R	04	
229	10 S - R	05	
230	11 BL - BK	06	
231	12 O - BK	07	
232	13 G - BK	08	
233	14 BR - BK	09	
234	15 S - BK	10	
235	16 BL - Y	11	
236	17 O - Y	12	
237	18 G - Y	13	
238	19 BR - Y	17 00	
239	20 S - Y	01	

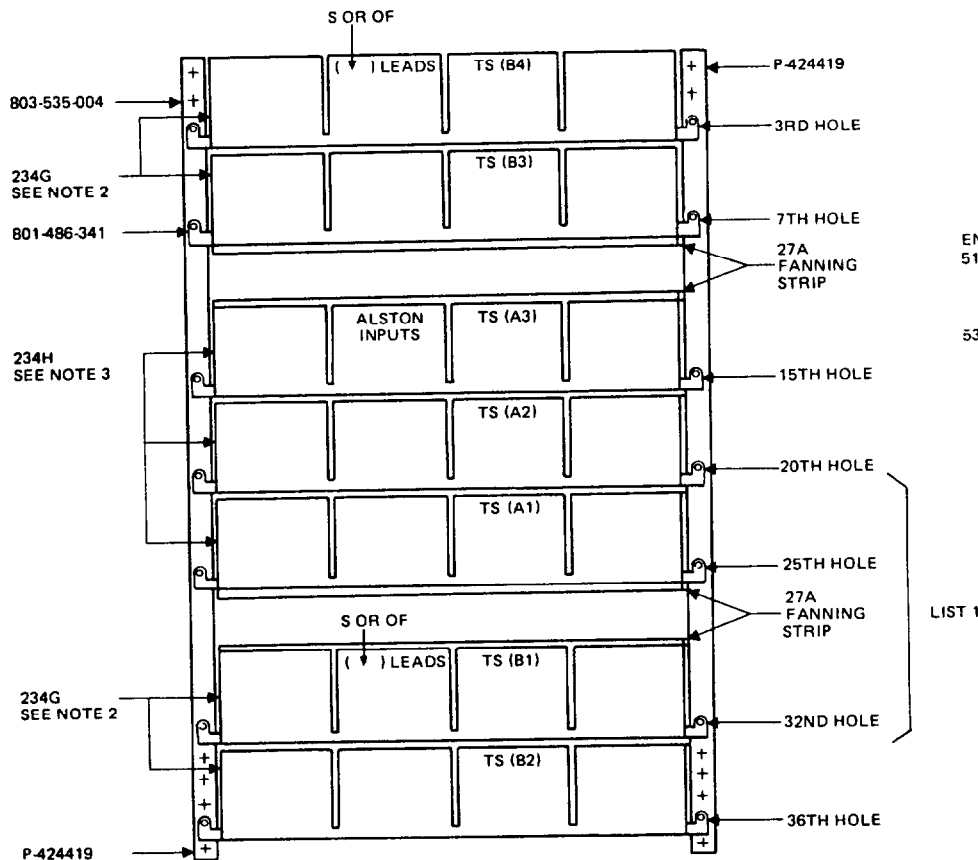
PED-25030-10

Cross-Connect Field PED-25030
Exhibit 1ACROSS CONNECTION FIELD
FOR USE WITH
ALSTON 600 RECORDING SYSTEM
THE PACIFIC TEL. & TEL. CO.
CENTRAL ADMINISTRATION ENGINEERING

PED-25030-10

SHEET 4

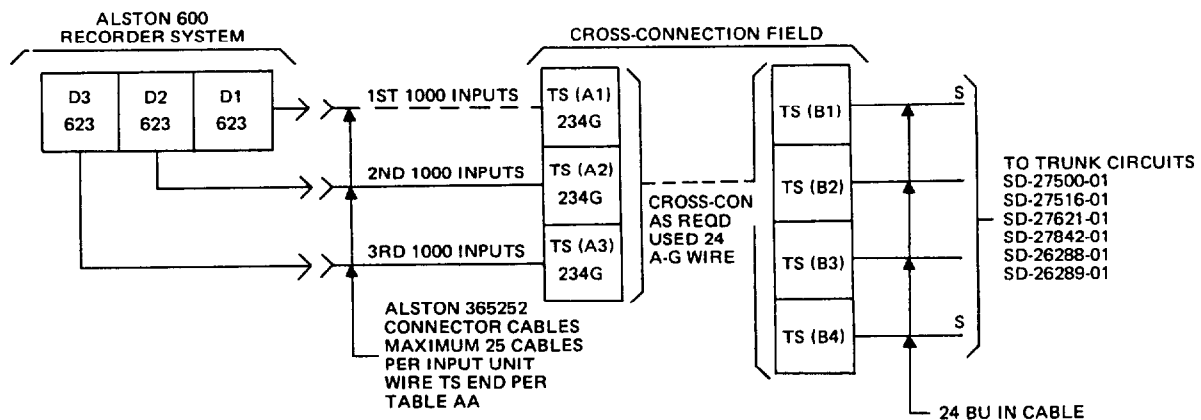
SECTION 252-133-901PT



ENGINEERING NOTES:
51.

53. ENGINEERING SHALL ORDER IN ADDITION TO TABLE A SUFFICIENT NUMBER OF 365358 CABLES FROM THE ALSTON DIVISION CONRAC CORPORATION. A MAXIMUM OF 25 SUCH CABLES ARE REQUIRED FOR EACH ALSTON 623 UNIT INSTALLED. SPECIFY 8 FOOT LENGTHS. ONE CABLE 365358 PROVIDES FOR 40 INPUTS

CROSS-CONNECTION UNIT
FIG. 1



SYSTEM LAYOUT BLOCK DIAGRAM
FIG D

Exhibit 1B

ISSUE NO. _____ DATE _____

SPEC. 00287 SEC. A PAGE 2APPX NO.1 PAGE3ENGINEERING AND INSTALLING INFORMATION

1. INSTALL ALSTON SCANNER IN AISLE 708.11 ← #1
 SPACE MARKED ON ATTACHED FLOOR PLAN.
 PAGE 5 OF SPEC.

2. CABLE THE "S" LEADS OF ALL THE FOLLOWING
 TRUNK TYPES TO THE 7TH FL. MD.F. MOUNT
 THE TERMINAL STRIPS ON SHELF-G 29-41.
 M78 & M81 SD 27500-01 PUNCHING 17 OF TS-A ON UNITS

K110	SD 27500-01	"	"	"
K142	SD 27621-01	"	"	"
A 37	SD 27501-01	"	"	"
K160	SD 27842-01	PCH	13	OF TS-A ON UNITS

3. EXTEND ALL COMPLETING MARKER ROUTE RELAY
 " OF " LEADS TO BLOCKS ON HOR. SIDE OF ← #
 7TH FL. MD.F. ← #

4. TERMINATE THE 3000 SCANNER INPUT ← #
 LEADS FROM THE SCANNER ONTO TERMINAL ← #
 STRIPS INSTALLED AT TOP OF SCANNER ← #1
 FRAME. STENCIL AS 0-2999. ← #1
 ← #1
 ← #1
 ← #1

REPLACES SEC. _____ PAGE _____ T.O. SPEC. 250 APPX#1, SEC. H, PAGE 4
 T.O. SPEC. _____ WESTERN ELECTRIC CO., PAGE 1

ENGINEERING NOTES & JOB INFORMATION

1. PROVIDE ONE MISC. RELAY RACK, LOCATE AT R.R. 303.35. 

2. INSTALL ALSTON 600 SCANNER EQUIPMENT

ZZB65- MODEL 600-3000 (0-2999)

370050 MEMORY MODULE

370057 MAINTENANCE MODULE

MKBD600-2 TEST AND MAINTENANCE EQUIP.

MODEL 910 AUTOMATIC TEST SET

ZZB67

383006 INPUT CIRCUIT BOARDS

36535B-25 INPUT CIRCUIT BOARDS

ZZBHI

381143-1 DATA SETS

381017-1 " "

3. USE THE CONNECTORIZED CABLE PROVIDED BY ALSTON TO TERMINATE THE SCANNER LEADS ON THE H-TURDF. THESE LEADS SHOULD BE TERMINATED ON 211 AC TERMINAL STRIPS. THIS SHOULD REQUIRE 17 TERMINAL STRIPS AND SHOULD BE PROVIDED BY W.E.CO.

4. CABLE ALL THE ORIGINATING USAGE LEADS OF THE FOLLOWING TRUNK TYPES TO THE V-TURDF

TRUNK TYPE

A37

K84

K127

K142

K143

M 77

M 78

M 80

M 81

CABLE FROM

TERMINAL STRIP "A" PUNCHING 13

TERMINAL STRIP "A" PUNCHING 17



5. CABLE THE 'OF' PUNCHING OF ALL ROUTE RELAYS TO THE Y-TURDF

6. PROVIDE 400 LEADS OF 'E' CABLE FROM THE H-MDF TO THE V-TURDF. (0-399)

* - TELCO FURNISHED - SEE T- SECTION

#1

(CONT'D)

Exhibit 1D