

INCOMING TRUNKS
DIAL TRANSFER TESTS
USING TRUNK TEST CIRCUIT SD-25918-01
NO. 5 CROSSBAR OFFICE

1. GENERAL

1.01 This section is for testing incoming trunks using trunk test circuit and the master test frame in No. 5 crossbar office. (ST-521111 and ST-521112)

1.02 This section is issued to include a procedure for testing incoming trunks equipped for dial transfer of calls completing to Centrex stations.

1.03 The tests covered are:

A. DIAL TRANSFER: This test checks the ability of the incoming trunk to transfer a call when a digit one is pulsed into the trunk.

B. RINGING FEATURES: The following features are checked (1) The ability of the trunk to transfer when ringing combination 04, 05, 08 or 15 are used, (2) The ability to prevent transfer when ringing combinations other than the above are used.

C. LINE BUSY: The following features are tested (1) The ability of the trunk to release from a line busy condition when a digit one is pulsed into the trunk, (2) The ability of the transfer trunk to re seize the transfer register when a second digit one is dialed.

2. APPARATUS

2.01 Master test control circuit
SD-25800-01.

2.02 Trunk test circuit, SD-25918-01

2.03 Master test frame telephone circuit
SD-25744-01.

2.04 Master test frame modification circuit
ST-5221130.

2.05 Patching cord P3E 6 ft. long, equipped
with two No. 310 plugs (3 P7A cord)

3. PREPARATION

All tests

STEP	ACTION	VERIFICATION
1.	At master test frame restore all keys	
2.	Operate RL key momentarily	All lamps extinguished
3.	Have trunk made busy at originating office or operate trunk MB Switch, if provided	
4.	At relay rack frame check that relay A of trunk is not operated and then patch T jack on trunk unit to ITT jack on relay rack frame	
5.	Operate ITNP, TTL, LS, SLP, TLK keys. (CRU- key if needed)	
6.	If a directing digit is required at master test frame - operate A-keys.	

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STEP	ACTION	VERIFICATION
A. Dial Transfer		
7.	Operate RC4 key	
8.	Operate ST key momentarily	ITNP, TS lamp lighted, R- lamp lights every 6 seconds
9.	Operate TSW key	OGT-CS lamp lights R- lamp extinguished
10.	Operate TT switch to ITT position	
11.	Dial digit one using master test frame dial	OGT-CS lamp remains lighted TS lamp flashes, Dial tone heard
12.	Dial 4 or 5 digits for the transmission test line (obtain from office records)	PK lamp lights 1000 cycle heard
13.	Restore TT switch to off position	PK lamp extinguished
14.	Restore TSW key	TS lamp extinguished 1000 cycle heard
15.	Restore TLK key	
16.	Operate RL key momentarily	All lamps extinguished
17.	Remove patching cord in step 4 and then restore trunk to service, or proceed to any other test on this trunk	
B. Ringing Features		
Transfer operation using ringing combinations 04, 05, 08 or 15		
7.	Operate RC4 key	
8.	Operate ST key momentarily	ITNP, TS lamps lighted, R-lamp lights every 6 seconds
9.	Operate TSW key	OGT-CS lamp lights R- lamp extinguished
10.	Operate TT switch to IT position	
11.	Dial digit one using master test frame dial	OGT-CS lamp remains lighted, TS lamp flashes, Dial tone heard
12.	Restore TSW key and TT switch to off position	TS lamp extinguished
13.	Operate RL key momentarily	All lamps extinguished
14.	Repeat steps 7 thru 13 using RC 05, 08 or 15	
Non-Transfer Ringing Combinations		
15.	Operate RC 1 key	

STEP	ACTION	VERIFICATION
16.	Operate ST key momentarily	ITNP, TS lamps lighted R- lamp flashes every 6 seconds
17.	Operate TSW key	OGT-CS lamp lights, R- lamp extinguished
18.	Operate TT switch to IT position	
19.	Dial digit one using master test frame dial	NO dial tone
20.	Restore TSW key and TT switch to off position	TS lamp extinguished
21.	Operate RL key momentarily	All lamps extinguished
22.	Repeat steps 15 thru 21 using all assigned non-transfer ringing combinations	
23.	Remove patching cord in step 4 and then restore trunk to service, or proceed to any other test on this trunk	
C. Line Busy		
7.	Operate RC4 key	
8.	Operate ST key momentarily	ITNP, TS lamps lighted, R-lamps lights every 6 seconds
9.	Operate TSW key	OGT-CS lamps lights, R-lamps extinguished
10.	Operate TT switch to IT position	
11.	Dial digit one using master test frame dial	TS lamp flashes, dial tone heard
12.	Dial 4 or 5 digits for the perm. busy number (obtain from office records)	60 IPM tone heard
13.	Dial digit one	60 IPM removed
14.	Dial digit one	Dial tone heard
15.	Dial 4 or 5 digits for the transmission test line (obtain from office records)	PK lamp lights, 1,000 cycle heard
16.	Restore TT switch to off position	PK lamp extinguished
17.	Restore TSW key	TS lamp extinguished, 1,000 cycle heard
18.	Operate RL key momentarily	All lamps extinguished
19.	Remove patching cord in step 4 and then restore trunk to service, or proceed to any other test on this trunk	