INTRAOFFICE TRUNKS

DIAL TRANSFER TESTS

USING TRUNK TEST CIRCUIT SD-25918-01

NO. 5 CROSSBAR OFFICES

1. GENERAL

1.01 This section is for testing intraoffice trunks using trunk test circuit and the master test frame in No. 5 crossbar offices. (ST-521139)

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

1.03 The test covered are:

A. Dial Transfer: This test checks the ability of the intraoffice 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-521130

3. PREPARATION

All Tests

STEP	ACTION	VERIFICATION
1.	At master test frame - Restore all keys	
2.	Operate RL key momentarily	All lamps extinguished
3.	At master test frame - Operate A- B- and C- Keys to select office code having access to trunk under test	
5.	Operate TTL key	
6.	Operate KRC key	
7.	Operate NTFS, NTTS and MT- keys	
8.	Operate FG-, FS-, TS, RAO keys to select trunk under test	
9.	Operate CST-, CSU-, keys and CGB and CRU- keys when required to select a class of service having access to trunk under test	

STEP	ACTION	VERIFICATION
10.	Operate IAO key	
11.	Operate TLK key	

A. Dial Transfer

AMA OPERATION

STEP	ACTION	VERIFICATION
12.	Operate RC4 key	
13.	Operate ST key momentarily	IAO, AS, TS, [IE, RN-, T2/5 and U2/5] lamps light R- lamp lights once every 6 seconds
14.	Operate TSW key during ringing cycle	R- lamp extinguished. seconds AE lamp lights
15.	Operate TT Switch to ITT position	
16.	Dial digit one using master test frame dial	TS lamp flashes Dial tone heard
17.	Dial 4 or 5 digits for the transmission test line (obtain from office records)	PK lamp lights 1000 cycle heard
18.	Restore TT switch to OFF position	PK lamp extinguished 1000 cycle heard
19.	Restore TSW key	TS lamp extinguished 1000 cycle heard
20.	Restore TLK key	
21.	Operate RL key momentarily	All lamps extinguished

B. Ringing Features

Transfer operation using ringing combinations 04, 05, 08, 15

STEP	ACTION	VERIFICATION
12.	Operate RC4 key	
13.	Operate ST key momentarily	IAO, AS, TS, [IE, RN-, T 2/5 and U 2/5] lamps light. R- lamp lights every 6 seconds
14.	Operate TSW key	R- lamp extinguished
15.	Operate TT switch to ITT position	
16.	Dial digit one using master test frame dial	TS lamp flashes, Dial tone heard
17.	Restore TSW key and TT switch to off position	TS lamp extinguished
18.	Operate RL key momentarily	All lamps extinguished
19.	Repeat steps 12 thru 18 using ringing combinations 05, 08, 15	

STEP	ACTION	VERIFICATION
	Non-transfer ringing combinations	
20.	Operate RC1 key	
21.	Operate ST key momentarily	IAO, AS, TS, [IE, RN-, T 2/5 and U 2/5] lamps light. R- lamp lights every 6 seconds
22.	Operate TSW key during ringing cycle	R- lamp extinguished In 2 to 5 seconds AE lamp lights
23.	Operate TT switch to ITT position	
24.	Dial digit one using master test frame dial	No dial tone
25.	Restore TSW key and TT switch to off position	TS lamp extinguished
26.	Operate RL key momentarily	All lamps extinguished
27.	Repeat steps 20 thru 26 using all assigned non-transfer ringing combinations	

C. Line Busy

STEP	ACTION	VERIFICATION
12.	Operate RC4 key	
13.	Operate ST key momentarily	IAO, AS, TS, [IE, RN-, T 2/5 and U 2/5] lamps light. R- lamp lights every 6 seconds
14.	Operate TSW key during ringing cycle	R- lamp extinguished In 2 to 5 seconds AE lamp lights
15.	Operate TT switch to ITT position	
16.	Dial digit one using master test frame dial	TS lamp flashes, Dial tone heard
17.	Dial 4 or 5 digits for the perm. busy number (obtain from office records)	60 IPM tone heard
18.	Dial digit one	60 IPM tone removed
19.	Dial digit one	Dial tone heard
20.	Dial 4 or 5 digits for the transmission test line (obtain from office records)	PK lamp lights 1000 cycle heard
21.	Restore TT switch to off position	PK lamp extinguished
22.	Restore TSW key	TS lamp extinguished 1000 cycle heard
23.	Restore TLK switch	DE lamp lights
24.	Operate RL key momentarily	All lamps extinguished

NOTE: Lamps enclosed in brackets [   ] used in AMA only