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.

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 reseize 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

VERIFICATION

All lamps extinguished

STEP ACTION

1. At master test frame - Restore all keys

2. Operate RL key momentarily

3. At master test frame - Operate A-, B- and C- Keys to select office code having access to trunk under test

4. Operate TTL key

5. Operate KRC key

6. Operate NTFS, NTTS and MT- keys

7. Operate FG-, FS-, TS, RAO keys to select trunk under test

8. Operate CST-, CSU-, keys and CGB and CRU- keys when required to select a class of service having access to trunk under test

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<td>Operate IAO key</td>
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<td>11.</td>
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**A. Dial Transfer**

**AMA OPERATION**

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

**B. Ringing Features**

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

| 12.  | Operate RC4 key | IAO, AS, TS, [IE, RN-, T2/5 and U2/5] lamps light, R- lamp lights every 6 seconds  |
| 13.  | Operate ST key momentarily | R- lamp extinguished  |
| 14.  | Operate TSW key | TS lamp flashes, Dial tone heard  |
| 15.  | Operate TT switch to ITT position | TS lamp extinguished  |
| 16.  | Dial digit one using master test frame dial |  |
| 17.  | Restore TSW key and TT switch to off position | All lamps extinguished  |
| 18.  | Operate RL key momentarily |  |
| 19.  | Repeat steps 12 thru 18 using ringing combinations 05, 08, 15 |  |
STEP | ACTION |
--- | --- |
20. | Operate RC1 key | IAO, AS, TS, [IE, RN-, T2/5 and U2/5] lamps light. R- lamp lights every 6 seconds |
21. | Operate ST key momentarily | R- lamp extinguished in 2 to 5 seconds AE lamp lights |
22. | Operate TSW key during ringing cycle | |
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

12. | Operate RC4 key | IAO, AS, TS, [IE, RN-, T2/5 and U2/5] lamps light. R- lamp lights every 6 seconds |
13. | Operate ST key momentarily | R- lamp extinguished in 2 to 5 seconds AE lamp lights |
14. | Operate TSW key during ringing cycle | |
15. | Operate TT switch to ITT position | TS lamp flashes, Dial tone heard |
16. | Dial digit one using master test frame dial | 60 IPM tone heard |
17. | Dial 4 or 5 digits for the perm. busy number (obtain from office records) | 60 IPM tone removed |
18. | Dial digit one | Dial tone heard |
19. | Dial digit one | PK lamp lights 1000 cycle heard |
20. | Dial 4 or 5 digits for the transmission test line (obtain from office records) | PK lamp extinguished |
21. | Restore TT switch to off position | TS lamp extinguished 1000 cycle heard |
22. | Restore TSW key | DE lamp lights |
23. | Restore TLK switch | All lamps extinguished |
24. | Operate RL key momentarily | |

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