

DIMENSION® PBX
STATION-TO-STATION TEST

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1. GENERAL

- 1.1 This section provides testing information for station-to-station call through test. Each equipped station will be tested for the following functions:
 - 1.11 Sending off-hook and on-hook supervision signal as a calling party and called party.
 - 1.12 Detecting dial tone.
 - 1.13 Transmitting dialed digits or TOUCH TONE signal to dial pulse or TOUCH TONE register respectively.
 - 1.14 Receiving audible ringback tone.
 - 1.15 Receiving ringing signal.

PRIVATE

THE INFORMATION CONTAINED HEREIN SHOULD NOT BE DISCLOSED TO UNAUTHORIZED PERSONS. IT IS MEANT SOLELY FOR USE BY AUTHORIZED BELL SYSTEM EMPLOYEES.

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- 1.16 Testing one-way supervision for those stations which are equipped with origination and/or termination restriction and manual terminating line services features.
- 1.17 Testing all defined busy lamps (if provided) on the BLF of all equipped consoles.
- 1.2 Performed all tests at the cross connect field.
- 1.3 This section does not perform feature test.
- 1.4 Perform this section for the non-DSS system. Perform Section 550 for the DSS system.

2. RECORDS

- 2.1 Form SD-97-1313 is required for recording the result of these tests.

3. TOOL AND TEST EQUIPMENT

3.1 Tool

- 3.11 2 - 2500 type TOUCH TONE Telephone Set or ITE 4208A Telephone Hand Set.

3.2 Test Equipment

- 1 - ITE 5654 Logic Probe (or H05 10525T)
- 1 - ITE 5632, ITE 5250, or ITE 5356 Digital Voltmeter or equivalent

4. DOCUMENT AND DRAWING

- 4.1 COD - Customer Order Document

5. PROCEDURE OF STATION-TO-STATION TEST

5.1 TESTING STATIONS WITH NON-ORIGINATION AND NON-TERMINATION RESTRICTION AND NON-MANUAL LINE SERVICE FEATURES

- 5.11 Use Line Carrier Cross Connections, Station Line Assignments and Class of Service Assignments of COD for this section.
- 5.12 It is the installer's discretion of using TOUCH TONE or rotary telephone sets for the testing. However, a rotary set can be used on a station with TOUCH TONE line class of service, but a TOUCH TONE set can not be used on a station with rotary line class of service.

- 5.13 Choose the first two (non-restricted) stations to be tested from Station Line Assignments sheets of the COD. Call the first station as Station A and the second station as Station B.
- 5.14 Connect two telephone sets to Stations A and B at the cross connect field. Connect and activate all equipped consoles and place all consoles in PA condition.
- 5.15 Go off-hook at Station A and verify that dial tone is heard at Station A.
- 5.16 Dial Station B and verify that there is an audible ringback tone (1.2 seconds on and 4 seconds off) at Station A and ringing signal (1.2 seconds on and 4 seconds off) at Station B.
- 5.17 Go off-hook at Station B. Verify that the ringing signal is off at Station B, audible ringback tone is off at Station A, and a good talking connection is established between Stations A and B. Verify that the busy lamps (if provided) of the associated stations A and B on each console are lighted steadily.
- 5.18 Go on-hook on both stations.
- 5.19 Repeat steps 5.15 through 5.18 and make Station B and Station A as calling party and called party, respectively.
- 5.20 Repeat steps 5.13 through 5.19 for next pair of stations until all equipped stations have been tested.

5.2 TESTING STATIONS WITH ORIGINATION RESTRICTION

- 5.21 Select any station with non-termination restriction as Station A, calling party and a station to be tested as Station B, called party.
- 5.22 Connect two telephone sets to Station A and B at the cross connect field. Connect and activate all equipped consoles and place all consoles in PA condition.
- 5.23 Repeat steps 5.15 through 5.18.
- 5.24 Repeat steps 5.21 through 5.23 for all equipped stations with origination restriction and use the same Station A as the calling party throughout this test.

5.3 TESTING STATIONS WITH TERMINATION RESTRICTION

- 5.31 Select any station with non-origination restriction and non-manual type line service as Station B, called party, and a station to be tested as Station A, calling party. All equipped consoles are activated. Place all of consoles, but one, in position "busy" condition.
- 5.32 Connect two telephone sets to Stations A and B at the cross connect field.
- 5.33 Repeat steps 5.15 through 5.18.
- 5.34 Repeat steps 5.31 through 5.33 for all equipped stations with termination restriction and use the same Station B as the called party throughout this test.

5.4 TESTING STATIONS WITH MANUAL TERMINATING LINE SERVICE

- 5.41 Connect and activate all equipped consoles and place all of them, but one, in position "busy" condition.
- 5.42 Select a manual terminating line service station as Station A and connect a telephone set at the cross connect field.
- 5.43 Go off-hook from Station A and verify that Station A receives dial tone.
- 5.44 At Station A, dial an assigned non-restricted station and verify that station A receives audible ringback tone.
- 5.45 Go on-hook at Station A.
- 5.46 At the console, press a LOOP key and then press START key. Dial tone is heard at console. Dial Station A.
- 5.47 At the console, audible ringback tone is heard. At Station A, ringer (two short bursts) is heard.
- 5.48 Go off-hook at Station A. Verify that audible ringback tone is removed at console and a good talking connection is established between Station A and the console. The busy lamp (if provided) of the associated Station A on each console is lighted steadily.
- 5.49 At console, depress RELEASE key and go on-hook at Station A. Call is disconnected and the console becomes idle.
- 5.410 Repeat steps 5.42 through 5.49 for all equipped manual terminating line service stations.

→ Arrows indicate new or changed information.

Reason for Issue:
New Section

Manager, Denver PBX PECC