

DIMENSION<sup>®</sup> 2000 and CUSTOM PBX  
(CSS 201L)  
X-RAY TEST 35  
(RMATS)

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1. GENERAL INFORMATION

1.1 Description

1.1.1 This section describes the proceedure to be followed to perform X-Ray test 35.

1.1.2 X-Ray test 35 tests the "Remote Maintenance Test System" circuit packs for proper operation. The external RMATS data set is not included in the test.

1.2 Test Description

1.2.1 X-Ray test 35 executes the RMATS subroutine which performs a group of tests to identify faults within the RMATS circuit packs, (i.e.: LC 171 and LC 172).

2. Records

2.1 Form SD-97-1313 is required for recording the results of this test.

3. Test Equipment

3.1 Test Sets--See Section 400 of Handbook 281.

3.2 An optional manual test is available for a traffic data request during the first pass of the test if an RMATS loopback fixture is equipped at the LC 171 interface at BRMI. The fixture may be fabricated as indicated in figure 1.

If a data set is equipped, it may be used in place of the loopback fixture by operating the "AL" button on the data set.

PRIVATE

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

Amphenol, 50 pin, male plug  
Loop-Around fixture  
Figure 1.

#### 4. TEST PROCEDURES

- 4.1 At the Alarm Panel, depress Halt then Go.
- 4.2 At the MAAP, depress Execute and dial 35.
- 4.3 At the MAAP, observe that channel number 610F (60417 Octal) followed by the digit 1 is displayed.
- 4.4 Within five seconds after the display indicated in 4.3 appears, ground test point (TP)-2 on the LC171 and TP-7 on the LC 171B.
- 4.5 Digit 1 should change to a digit 2 after the five second interval, if instead the digit 1 changed to a digit 4 restart the test to assure the timing was correct. If digit 4 appears again the LC 171 should be replaced and the test restarted.
- 4.6 Remove the ground from the test point within the next five seconds, ie: following the operation in step 4.4.
- 4.7. If the test stops running and fault code 681 is displayed, restart the test to assure timing is correct. If fault code 681 reappears, replace the LC 171 and restart the test.
- 4.8 Test pass indication
  - 4.8.1 If the Alarm Panel lights are cycling as indicated in figure 2 the RMATS test is complete.

#### 5. MINIMUM CIRCUIT PACK REQUIREMENTS

- 5.1 The system should be equipped per the COD for this test

Reason for issue:  
New Section

Manager, Denver PBX, PECC