

DIMENSION ® 2000 and CUSTOMER PBX CSS 201L

X-RAY TEST 23

(Automatic Number Identification, ANI)

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1. GENERAL INFORMATION

1.1 Description

- 1.11 This section describes the procedures to be followed to perform X-Ray test 23.

1.2 Test Description

- 1.21 X-Ray test issue L4 or later contains an ANI test capability. The test is run automatically in X-Ray test 02 if an ANI test test is connected.

2. RECORDS AND DOCUMENTATION

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

3. TEST EQUIPMENT

- 3.1 This test requires an ANI test set (J59204AJ-1) and an LC-31 and an LC-32 circuit pack per the Customer Order Documents in the proper slots.

4. TEST PROCEDURES

4.1 Preliminary

- 4.11 Prior to running this test, X-ray test 21 should have passed.

4.2 Test Execution

- 4.21 X-ray issue L4 or later contains ANI test capability. The test requires an LC31 and an LC32 . Verify that these circuit packs are installed in the proper slots per the COD. The ANI test is run automatically during X-ray test 02 if an ANI test set is connected.

- 4.22 At the Alarm Panel depress Halt. Connect the ANI test set (ITE5630) to the system under test as follows:

PRIVATE

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

4.221 Place the test set switches in the following positions:

<u>Switch</u>	<u>Position</u>
Alarm	Off
Error/Verify Mode	Error
Normal/Hold	Normal
Trunk/Station	Trunk
Mode	ANI or Self-Check
Self Check Data	(Error)
Self Check Off/On	On
Trunk/Station Match	All "1's"
Power Off/On	Off

- 4.222 Plug in the ANI test cable (ITE 9091) at the ANI test set.
- 4.223 Connect the ANI test cable (ITE 9091) at the LC32 circuit pack.
- 4.224 Plug in the ANI test set power cord at any convenient AC outlet.
- 4.225 Place the Power On/Off switch on the ANI test set in the On position.

4.23 Perform the following ANI test set self check:

- 4.231 Press the clear button display should be dark.
 - 4.232 Press the enable button, display should show four dashes.
 - 4.233 Move the self check data switch to the one (1) position.
 - 4.234 Press enable, verify four 1's in the display.
 - 4.235 Repeat steps A through D above for each digit on the self-check data switch. Verify that the display matches the switch position.
 - 4.236 Repeat steps D through E above with the trunk/station switch in the Station position.
- 4.24 After the self check is complete, place the ANI test set switches in the following configuration :

<u>Switch</u>	<u>Position</u>
Alarm	Off
Error/Verify Mode	Error
Normal/Hold	Normal
Trunk/Staton	Station
Mode	ANI or Self-Check
Self-Check	Error
Self-Check Off/On	Off
Trunk/Station Match	All 1's
Power Off/On	On

- 4.25 At the alarm panel depress Go.
- 4.26 At the MAAP, depress Execute and dial 23.

4.27 The following line numbers should be displayed at the test set once every five (5) seconds on alternate channels:

0123
1357
2000
1010

Allow five cycles of this display operation to be presented.

4.28 At the test set, operate trunk/station switch to trunk.

4.29 The following trunk numbers should be displayed at the test set once every five (5) seconds on alternate channels:

4567
0246
3988
1010

Allow five cycles of this display operation to be presented.

4.30 The table below defines the test point functions on the LC32 circuit pack.

LC32 ANI DATA TRANSMITTER		
LC32		
1	T CHAN-9	T CHAN 9 TIP SIDE OF PAIR FOR LOCAL CENTRAL OFFICE
2	R CHAN-9	R CHAN 9 RING SIDE OF PAIR FOR LOCAL CENTRAL OFFICE.
3	T CHAN-9	T CHAN 8 TIP SIDE OF PAIR FOR CCSA CENTRAL OFFICE.
4	R CHAN-9	R CHAN 8 RING SIDE OF PAIR FOR CCSA CENTRAL OFFICE.
5	SZR	SZR SEIZE CONTROL FOR TEST SET.
6	TEST	TEST ALLOWS INTERNAL TESTING OF ANI WITHOUT SIGNALING THE CO.
7	GRDD	GRD D DIGITAL GROUND OF THE SYSTEM.
8	AMD	AMD ANI MODULATED DIGITAL SIGNAL. CONTAINS 2-OUT- OF-5 CODE
9	-48V	TRANSMISSION OF CALLING PARTY'S STATION AND TRUNK NUMBERS.
10	-48 GRD	-48V TEST SET POWER INUT.
11		-48GRD TEST GROUND INPUT.
12		
13	CHAN-9	CHAN 9 LAMP ON INDICATES CIRCUIT IS BUSY.
14	CHAN-8	CHAN 8 LAMP ON INCICATES CIRCUIT IS BUSY.

5. MINIMUM CIRCUIT PACK REQUIREMENTS

5.1 The system should be equipped per the COD's for this test.

Reason for issue:
New Section

Manager, Denver PBX PECC