

DIMENSION® PBX
PLANNING SECTION

CONTENTS

1. GENERAL

1. GENERAL

- 1.1 This handbook provides information for the installation and testing of auxiliary equipment, and tests to verify the features provided with DIMENSION PBX Systems. It is used in conjunction with other handbooks which provide for the installation and system testing of individual CSS-201 DIMENSION Systems. These handbooks are as follows:

<u>System</u>	<u>Handbook</u>
DIMENSION 400 (CSS-201S) PBX	218A, 218B
DIMENSION 2000 (CSS-201L) PBX	281
DIMENSION Custom PBX	281

All Hundred Series tests must be performed in the above applicable handbook before feature testing is performed.

- 1.2 Since Auxiliary equipment is common to DIMENSION systems, its installation and testing are covered in this handbook. The mounting, wiring, and cabling should be done in conjunction with the 200 Series installation sections of the individual system handbook noted above.
- 1.21 Auxiliary Equipment Circuit Tests are performed in conjunction with the 80000 Series Test Sections of the individual system handbook. Determine auxiliary equipment to be provided, and installation and testing sections required to be performed.
- 1.3 The feature tests are separated into station, attendant, trunk, Hotel/Motel (FP#3 & FP#9), SMDR, DCTS, and miscellaneous. From the System and Feature Summary of the Customer Order Document, determine the features provided with the system and the tests required to be performed.
- 1.4 Feature tests are performed once per system, unless otherwise specified, and related translation information is verified through the MAAP.
- 1.5 Careful selection of circuits used for feature testing can greatly reduce the amount of connecting and disconnecting time required.

- 1.6 Table A indicates the sequence in which testing should be performed. Test only the features provided with your particular system. When these tests are completed, return to specific DIMENSION System Handbook for additional sections required to complete job.

ATTACHMENT:

Table A on Pages 4, 5, & 6.

Attendant Feature Tests on Page 7.

Trunk and Miscellaneous Feature Tests on Page 8.

Hotel/Motel Feature Tests on Page 9.

Station Message Detail Recorder Feature Tests on Page 10.

DCTS Feature Test on Page 11.

Miscellaneous Tests on Page 12.

No arrows shown due to extensive revisions.

Reason for Reissue:

Update Table A

Manager, Denver PBX PECC

THIS PAGE RESERVED FOR FUTURE USE.

TABLE AInstallation of Auxiliary EquipmentSection

Perform in sequence with 200 Series Test Section in specific DIMENSION® System Handbook.

1.	Mounting, Wiring and Cabling Auxiliary Equipment	250
2.	-48V Power Supply (KS-19642 L-6)	250.16 (NA)
3.	AC Distribution Panel (J58879PD-1, L-1)	250.15 (NA)
4.	Automatic Wakeup Printer X-Conn	250.25 (NA)
5.	Backup Line Extension Cross Connect	250.21 (NA)
6.	Code Call (Chime Paging) Cross Connect	250.23
7.	Customer Premises Facility Terminal (CPFT)	250.03
8.	Data Interface X-Conn	250.24 (NA)
9.	DCTS (Dimension Custom Telephone Service) Cross Connections	250.09
10.	Emergency Transfer Panel	250.02
11.	Energy Communication Service	250.26 (NA)
12.	Frequency Interrupter (J58879PC-1, L3)	250.19
13.	Fuse Panel (J58879PF-1, L-1)	250.17 (NA)
14.	Interface for Long Distance Billing Conn for FP#9	250.30
15.	Journal Printers	250.28
16.	Local Call Billing & Message Register Service Cross Connection	250.29
17.	Loudspeaker Paging	250.04
18.	Mounting, Wiring and Cabling of 102C1-A, 102D1-A, 102E1-A Units and Printer	250.12
19.	Music on Hold	250.08
20.	Night Console (CSS 2015)	250.01
21.	Property Management System Interface X-Conn	250.31 (NA)
22.	Radio Paging Cross Connect	250.33
23.	Recorded Announcement	250.07
24.	Recorded Telephone Dictation	250.05
25.	Remote Maint Adm & Traffic Sys (RMATS) Conn	250.11

NA = TEST SECTION NOT AVAILABLE

TABLE A (continued)

<u>Installation of Auxiliary Equipment</u>	<u>Section</u>
26. Station Message Detail Recorder (SMDR) Conn	250.10
27. Traffic Measurement Connection (724A Panel)	250.06
28. 120A Frequency Generator (J58879PC-2, L4)	250.18
29. 30A8 CAS Status Indicator	250.22

TABLE AFEATURE TESTS
(SELECT FEATURE PROVIDED WITH THE
SYSTEM)

<u>Station Feature Tests</u>	<u>Section</u>
1. Automatic Call Back-Calling	1010
2. Call forwarding - All Calls	1020
3. Call Forwarding - Busy Don't Answer	1030
4. Call Hold	1040
5. Call Pick-Up	1050
6. Code Restriction	1060
7. DID and CCSA Call Restriction	1065
8. Customer Intercom	1070
9. Executive Override	1080
10. Inward Restriction	1090
11. Line Lockout With Warning	1100
12. Miscellaneous Trunk Restriction Tests	1110
13. Originating Restriction	1120
14. Outward Restriction	1130
15. Speed Calling	1140
16. Station Hunting	1150
17. Termination Restriction	1160
18. Three-Way Conference Transfer	1170

<u>Attendant Feature Tests</u>	<u>Section</u>
1. Alphanumeric and Class of Service Display	1410
2. Attendant Six-Way Conference	1420
3. ATND Control Trunk Group Access	1430
4. ATND Transfer - All Calls	1440
5. Busy Verification of Station Lines	1450
6. Controlled Restriction on Groups of Lines (FP#3)	1460
7. Controlled Restriction on Single Line (FP#3)	1470
8. Direct Trunk Group Election	1480
9. Interposition Calling and Transfer	1485
10. Manual Originating Line Service	3070
11. Privacy and Lockout	1490
12. Splitting - One Way Automanual	1500
13. Timed Reminders	1520
14. Trunk Group Warning and Trunk Group Busy Indicators	1530
15. Trunk Verification by Customer	1540
16. Two Party Hold/Serial Call	1550

<u>Trunk and Miscellaneous Feature Tests</u>	<u>Section</u>
1. Automatic Route Select	1710
2. Call Waiting Services	1720
3. Data Line Restrictions	1721
4. Data Line Privacy	1722
5. Fully Restricted Station	1730
6. Intercept Treatment	1740
7. Manual Terminating Line Service	1750
8. Night Service	1760
9. Outgoing Trunk Queuing	1770
10. Remote Access to PBX Services	1780
11. Remote Access Traffic Studies	1790
12. Route Advance	1800
13. Toll Restriction	1810
14. Toll Terminal Access	1820
15. TOUCH-TONE® to Dial Pulse Conversion	1830
16. Trunk-to-Trunk Feature Test	1840

NA = TEST SECTION NOT AVAILABLE

Hotel/Motel (Feature Package #3) Feature TestsSection

- | | | |
|----|---|-----------|
| 1. | Calling Number Display to Station (102D1-A) | 9200 |
| 2. | Test Message Register Display | 3020 (NA) |
| 3. | Test Printer (Addmaster Model 156 Printer) | 3030 (NA) |
| 4. | Test Message Waiting (LC03) - Control by Console | 3040 |
| 5. | Test Message Waiting (LC03) - Control by Inquiry/
Display Terminal, 102E1-A Display Unit | 3041 |
| 6. | Hot Line Service | 3055 |
| 7. | Single Digit Dialing | 9250 (NA) |

Deluxe Hotel/Motel (Feature Package #9) Feature Tests

- | | | |
|-----|---|-----------|
| 1. | Hotel/Motel Console/Terminal | 9000 (NA) |
| 2. | Hotel/Motel Console/Terminal Alarms | 9010 (NA) |
| 3. | Hotel/Motel Console/Terminal OP Codes | 9020 (NA) |
| 4. | Hotel/Motel Console/Terminal Function Keys | 9030 (NA) |
| 5. | Automatic Station Restriction for FP#9 | 9100 |
| 6. | Automatic Wakeup Service Test - Fix and Variable | 9110 (NA) |
| 7. | Calling Number Display to Station (102D1-A) | 9200 |
| 8. | Flexible Numbering of Stations - Mixed Number | 9210 (NA) |
| 9. | Hot Line Service | 3055 |
| 10. | Housekeeper Extension for FP#9 | 9230 |
| 11. | Message Waiting for FP#9 | 9240 |
| 12. | Single Digit Dialing | 9250 (NA) |
| 13. | Local Call Billing for FP#9 | 9300 |
| 14. | Interface for Long Distance Billing Test for FP#9 | 9310 |
| 15. | Room Status and Selection | 9315 |
| 16. | Energy Communication Service Test | 9400 (NA) |
| 17. | Split Access to Outgoing Trunks | 9420 |
| 18. | Extended Memory Holdover Test | 9500 (NA) |

NA = TEST SECTION NOT AVAILABLE

Station Message Detail Recorder Feature Tests

Section

1. Station Message Detail Recorder

4010 (NA)

NA = TEST SECTION NOT AVAILABLE

<u>DCTS Feature Tests</u>	<u>Section</u>
1. DCTS Feature Test Procedures	5000 ✓
2. Abbreviated and Delay Ringing	5030 ✓
3. Bridged Call	5040 ✓
4. Central Office Trunk Pickup	5050 (NA)
5. Dial Intercom	5060 ✓
6. Hold Control Feature	5070 ✓
7. Last Station Dialed	5110 ✓
8. Manual Exclusion	5120 ✓
9. Manual Intercom	5130 ✓
10. Manual Signaling	5140 ✓
11. Station Message Waiting	5145 ✓
12. Automatic Line Preference	5160
13. Idle Line Preference	5161
14. Last Line Preference	5162
15. No Line Preference	5163
16. Prime Line Preference	5164
17. Ringing Line Preference	5165
18. Incoming Call Preference	5166
19. Recall	5220
20. Ringer Cutoff, Enable and Transfer	5230
21. Station Busy Indication	5240
22. Station DSS	5250

NA = TEST SECTION NOT AVAILABLE

Miscellaneous TestsSection

Perform in Sequence with 80000 Series Test Sections in Specific DIMENSION System Handbook.

1.	Automatic Identified Outward Dialing (AIOD)	85080
2.	Test Emergency Transfer	85425
3.	Code Call (Chime Paging) Tests	85255
4.	Loudspeaker Paging Tests	86155
5.	Music On Hold	86280
6.	Radio Paging Test	86705
7.	Recorded Announcement Tests	86710
8.	Recorded Telephone Dictation Tests	86715

Return to specific DIMENSION System Handbook 87XX Series for additional sections required to complete job.