

DIMENSION[®] PBX
DCTS FEATURE TEST
HOLD CONTROL FEATURE

CONTENTS

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|-------------------------------------|------------------------|
| 1. GENERAL | 6. I-HOLD TEST |
| 2. RECORDS | 7. PRIORITY HOLD TEST |
| 3. TEST EQUIPMENT AND DOCUMENTATION | 8. EXCLUSIVE HOLD TEST |
| 4. TEST SET UP | 9. RESTORATION |
| 5. HOLD TEST | |

1. GENERAL

1.1 This section provides testing information for hold features. The features included are:

HOLD
I-HOLD
PRIORITY HOLD
EXCLUSIVE HOLD

2. RECORDS

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

3. TEST EQUIPMENT AND DOCUMENTATION

3.1 Handsets

<u>Amt.</u>	<u>Type</u>	<u>Description</u>
1	ITE-4208A	Telephone Handset
2		Electronic Telephone Set

3.2 Documentation

3.21 Use the Customer Order Document to obtain the following information.

3.22 When selecting circuits to be used for test pick sets with more than one type of hold if possible. This will reduce the amount of set up time required.

3.23 From DCTS Station Set Assignments select circuits to be used as test for each type of hold provided and a companion circuit with the same PBX extension line pick-up as the circuit to be used as test.

3.24 In the DCTS Station Set Assignment tables under hold type number indications are as follows:

0 - HOLD
1 - I-HOLD
2 - PRIORITY HOLD
3 - EXCLUSIVE HOLD

4. TEST SET-UP

4.1 Connect handset to CSS-201 Test Line. During the testing procedure this handset will be designated Set C.

4.2 During the test procedure various signals on the status lamp will be encountered. Following are the indications and definition of these signals.

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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	HOLD	I HOLD	PRIORITY HOLD	EXCLUSIVE HOLD
LINE ACTIVATING HOLD	W	F	BF	W
LINE ON ADDITIONAL (SET(s))	W	W	BF	L
RELEASE HOLD	ANY SET WITH LINE APPEARANCE	ANY SET WITH LINE APPEARANCE	ANY SET WITH LINE APPEARANCE	ONLY SET ACTIVATING EXCLUSIVE HOLD

4.21 Definitions

W - Wink - 450 MS ON; 50 MS OFF

F - Flutter - 50 MS ON; 50 MS OFF

BF - Broken Flutter - 400 MS ON; 200 MS OFF;
200 MS ON; 200 MS OFF

L - Lighted Steadily

4.3 The individual feature tests in the following sections may be performed in any sequence to facilitate the testing of multiple hold features from a single electronic telephone set.

5. HOLD TEST

5.1 Hold feature allow the station user to maintain a connection to a line while being on-hook. When a line is on hold all appearances of the line receive a wink signal on its status lamp. Any appearance of line on hold may release call from hold.

5.2 Connect Electronic Telephone Sets to the two circuits selected to test the hold feature. During the testing procedure these sets will be known as Set A and B.

5.3 Place an intercom call from Set C to Set A.

5.4 At Set-A answer call.

5.41 Talk path established between Set C and A.

5.5 At Set A depress HOLD button and go on-hook.

5.51 Status lamp at Set A and B winks.

5.6 At Set B depress LINE button of winking status lamp.

5.61 I-USE lamp lighted.

5.7 At Set B go off-hook.

5.71 Status lamp at Set A and B lighted steadily talking path established between Set B and C.

5.8 Hang-up Set B and C. Status lamps at Set A and B are extinguished.

5.9 If Set A and B will not be used for the next test - disconnect.

6. I-HOLD TEST

6.1 The I-HOLD feature allows the station user to maintain a connection to a line while being on-hook. Status lamp at set placing call on hold receives a flutter signal and all other appearances of line receive the wink signal. Any appearance of line on I-HOLD may release call from I-HOLD.

6.2 Connect Electronic Telephone sets to the two circuits selected to test I-HOLD feature. During the testing procedure these sets will be known as Set A and B.

6.3 Place an intercom call from Set C to Set A.

6.4 At Set A answer call.

6.41 Talk path established between Set C and A.

6.5 At Set A depress I-HOLD button and go on-hook.

6.51 Status lamp at Set A flutters.

6.52 Status lamp at Set B winks.

6.6 At Set B depress line button of winking status lamp.

6.61 I-USE lamp lighted.

6.7 At Set B go off-hook.

6.71 Status lamp at Set A and B lighted steadily. Talking path established between Set B and C.

6.8 Hang-up Set B and C. Status lamps at Set A and B are extinguished.

6.9 If Set A and B will not be used for the next test - disconnect.

7. PRIORITY HOLD TEST

7.1 The Priority Hold feature allows the station user to maintain a connection to a line while being on-hook. When a line is on Priority Hold all appearances of the line receive a broken flutter signal on its status lamp. Any appearance of line on Priority Hold may release call from Priority Hold.

7.2 Connect Electronic Telephone sets to the two circuits selected to test the Priority Hold feature. During the testing procedure these sets will be known as Set A and B.

7.3 Place an intercom call from Set C to Set A.

7.4 At Set A answer call.

7.41 Talk path established between Set C and A.

7.5 At Set A depress Priority Hold button and go on-hook.

7.51 Status lamp at Set A and B indicate a broken flutter signal.

7.6 At Set B depress LINE button of fluttering status lamp.

7.61 I-USE lamp lighted.

7.7 At Set B go off-hook.

7.71 Status lamp at Set A and B lighted steadily. Talking path established between Set B and C.

7.8 Hang-up Set B and C. Status lamps at Set A and B are extinguished.

7.9 If Set A and B will not be used for the next test - disconnect.

8. EXCLUSIVE HOLD TEST

8.01 The Exclusive Hold feature allows the station user to maintain a connection to a line while being on-hook. Status lamp at set placing call on Exclusive Hold receives a winking signal and all other appearances of the line receive a busy signal (status lamp lighted steadily). Connection to the line may be re-established only at the station where Exclusive Hold was activated. Any other station trying to pick-up the Exclusive Hold line will receive reorder tone.

8.02 Connect Electronic Telephone sets to the two circuits selected to test the Exclusive Hold feature. During the testing procedure these sets will be known as Set A and B.

8.03 Place an intercom call from Set C to Set A.

8.04 At Set A answer call.

8.041 Talk path established between Set C and A.

8.05 At Set A depress Exclusive Hold button and go on-hook.

8.051 Status lamp at Set A winks.

8.052 Status lamp at Set B lighted steadily.

8.06 At Set B depress line button of steadily lighted status lamp.

8.061 I-USE lamp lighted.

8.07 At Set B go off-hook.

8.071 Reorder tone received. Access to line denied to stations which did not activate Exclusive Hold.

8.08 Hang-up Set B.

8.09 At Set A depress line button associated with winking status lamp.

8.091 I-USE lamp lighted.

- 8.10 At Set A go off-hook.
- 8.101 Status lamp lighted steadily.
- 8.102 Talk path established between Set A and C.
- 8.11 Hang-up Set A and C. Status lamp at Set A is extinguished.
- 8.12 If Set A and Set B will not be used for the next test - disconnect.

9. RESTORATION

- 9.1 Disconnect handset from TEST LINE.
- 9.2 Disconnect Electronic Telephone Sets if they have not already been disconnected.

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