

NO. 3 ESS  
OPERATIONAL TESTING  
THREE-WAY CALLING FEATURE

CONTENTS

1. GENERAL INFORMATION

- 1.1 Description
- 1.2 Sequence
- 1.3 References

2. RECORDS AND REQUIREMENTS

- 2.1 Records
- 2.2 Requirements

3. TEST EQUIPMENT

4. PRELIMINARY INFORMATION

5. TEST PROCEDURES

- 5.1 Conference Circuit

1. GENERAL INFORMATION

1.1 Description

1.11 The purpose of this section is to test the operation of the Three-Way Calling Feature on an operational system basis.

1.2 Sequence

1.21 These tests are performed after the 500 Series tests. Refer to Section 1 of this handbook for further preferred test sequence.

1.3 References

1.31 The following documents will be useful as references for the execution of these tests:

<u>Document</u>	<u>Title</u>
SD/CD-3H230-01 CPS FB427	Conference Circuit
HB 269, Sec. 600	Planning Information for Operational Testing
Office Records	Directory Number Tables

2. RECORDS AND REQUIREMENTS

2.1 Records: The results of the test of this section shall be recorded on forms SD-97-1313 and SD-97-1315. For detailed information on filling out test records see Section 6B, Handbook 3.

2.2 Requirements: The tests in this section are based on the No. 3 ESS Performance Requirements BSP 820-650-180.

3. TEST EQUIPMENT

3.1 The following test equipment is necessary for the performance of these tests:

<u>Amt.</u>	<u>No.</u>	<u>Description</u>
3	2500D (TELCo Supplied)	Test Telephones (TOUCH-TONE)

4. PRELIMINARY INFORMATION

4.1 Before beginning these tests, it will be necessary for the installer to locate a test line in the office that is equipped with all the custom calling services (refer to Office Records #3100 for all the information regarding this line). The installer will choose two (2) additional test lines and related information for the performance of these tests.

4.11 Connect test phones to each of these lines. Designate the line with all the custom calling features as "A" party. The other two lines are designated "B" party and "C" party.

4.2 It is mandatory that all Conference circuits in the office, except the one to be tested, be taken out of service by typing in:

RMV:SVC(a,B) ;LKO!

a = Trunk Group Number (TGN)  
b = Member Number (MEMNO) for  
each circuit

To restore a circuit to service, type in:

RST:SVC(a,b)!

Test each Conference circuit in the office with this method. At end of tests, restore all circuits.

4.3 The Conference Circuit allows a customer to add a third party to a stable call by flashing, dialing the third party, and flashing again. The final connection is a true 3-way call, allowing all parties to converse at the same time. For clarity, the three parties are designated A, B, and C. The party of the stable call who flashes is the A party, and the party connected to A is the B party. Party C is the line that A dials and adds on.

## 5. TEST PROCEDURES

### 5.1 Conference Circuit

5.11 Make all Conference Circuits maintenance-busy except the one being tested.

STEP	PROCEDURE	RESULT	COMMENTS
1	Connect a test telephone to the test line equipped with all the custom calling features.		Designate this phone as the "A" party.
2	Connect a test telephone to each of the other two test lines selected for these tests.		Designate these phones as the "B" party and "C" party respectively.
3	Lift the "A" party telephone off-hook.	A CDPR is seized. Hera dial tone.	
4	Dial the "B" party's directory number from the "A" party telephone.	The "B" party's telephone rings. Hear audible ringing in "A" party's telephone.	The directory numbers may be found in Office Records Forms #3100.
5	Lift "B" party's telephone off-hook.	Audible ringing ceases. Parties "A" and "B" have talking path.	
6	Flash the "A" party switch-hook.	Hear dial tone in "A" party receiver. "B" party is on HOLD.	
7	Dial "C" party's directory number from "A" party telephone.	The "C" party's telephone rings. Hear audible ringing in "A" party's telephone.	
8	Lift "C" party's telephone off-hook.	Audible ringing ceases. Parties "A" and "C" have talking path.	
9	Flash "A" party's switch-hook.	Parties "A", "B" and "C" are connected in a talking path.	A Conference Circuit is seized.
10	Replace "C" party's telephone on-hook.	Parties "A" and "B" still have talking path.	
11	Lift "C" party's telephone off-hook.	Verify dial tone.	
12	Dial "A" party's directory number.	At "A" party's telephone verify a short burst of call-waiting tone immediately and again ten (10) seconds later.	Call waiting tone is a 440 Hz burst of tone.
13	Replace all telephones on-hook.	The talking paths are released. The 3-Port Circuit is released.	Repeat tests for all Conference Circuits in office.