

NO. 3 ESS  
 OPERATIONAL TESTING  
 CALL WAITING FEATURE

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- 1. GENERAL INFORMATION
  - 1.1 Description
    - 1.11 The purpose of this section is to test the operation of the Call Waiting Feature on 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>
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.
- 5. TEST PROCEDURE
  - 5.1 Call waiting service allows a customer already involved in a stable (talking) connection to be notified that a second call is being received. The notification takes the form of a short burst of call waiting tone immediately and another one after ten seconds if there was no response. During this time, the calling party of the second call receives audible.
  - 5.2 Table A is a sequential method of using and testing the call waiting feature.

NOTICE - NOT FOR USE OR DISCLOSURE OUTSIDE THE  
 BELL SYSTEM EXCEPT UNDER WRITTEN AGREEMENT

TABLE A

STEP	PROCEDURE	RESULT	COMMENTS
1	Lift test phone "A" off-hook.	Verify dial tone.	
2	Dial the directory number of test phone "B".	Verify audible.	
3	Lift test phone "B" off-hook.	Verify talking path between "A" and "B".	
4	Lift test phone "C" off-hook.	Verify dial tone.	
5	Listen at test phone "A".		In preparation for the next step, (6).
6	Dial test phone "A" directory number from test phone "C".	Verify a short burst of call waiting tone immediately, and another burst after ten (10) seconds at test phone "A".	Test phone "C" receives audible.
7	Flash test phone "A" switch-hook.	Verify talking path between test phones "A" and "C".	Test phone "B" is on HOLD.
8	Flash test phone "A" switch-hook.	Verify talking path between test phones "A" and "B".	Test phone "C" is on HOLD.
9	Replace all test phones on-hook.	Talking path and circuits are released.	The testing procedures are completed.
10	Disconnect all test phones from the lines.		

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