Installation Engineering Handbook 269
Western Electric Company, Incorporated
Northern Illinois Works

Section

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5-6-77

NO. 3 ESS
OPERATIONAL TESTING
SPEED CALLING FEATURE

CONTENTS

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1. **GENERAL INFORMATION**

   1.1 **Description**

      1.11 The purpose of this section is to test the operation of the Spee 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 information.

   1.3 **References**

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

Document	Title
HB 269, Sec. 600	Planning Information for Operational Testing
ODA Forms #3100	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:

Amt.	No.	Description
3	2500D (TELCo Supplied)	Test Telephone (TOUCH-TONE)

4. **PRELIMINARY INFORMATION**

   4.1 Before beginning these tests, it will be necessary for the installer to locate the 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 Speed calling is a service whereby the customer may dial certain predetermined directory numbers by dialing a speed calling code of one or two digits followed by time-out or *. Numbers of the customer's choice are associated on a 1-to-1 basis with these codes. The association is completely arbitrary and at the customer's discretion.

5. **TEST PROCEDURES**

   5.1 **Speed Calling**

      5.11 The tests will be conducted from the test line that has all the custom calling features available.

STEP	PROCEDURE	RESULT	COMMENTS
1	Lift receiver off-hook of test telephone "A".	CDPR is seized.	
2	Dial 75	Dial tone ceases after first digit. Hear second dial tone after second digit.	
3	Dial 21 + directory number of test telephone "B".	Hear 100 - ms followed by 300 - ms burst of dial tone to signal successful completion.	If entry fails, reorder tone is heard.
4	Depress the switch-hook for 2 or 3 seconds.		
5	Release the switch-hook. Dial 74	Dial tone ceases after first digit. Hear second dial tone after second digit.	
6	Dial 5 + directory number of the third test telephone ("C").	Hear 100 - ms, followed by 300 - ms burst of dial tone to signal successful completion.	
7	Depress the switch-hook for 2 or 3 seconds.		
8	Release the switch-hook.	Hear dial tone.	
9	Dial "21" and #	Test phone "B" should ring.	
10	Lift test phone "B" off-hook.	Ringing ceases.	Verify talking path between phones "A" and "B".
11	Replace both test telephone receivers on-hook.	Talking path is released.	
12	Lift test telephone "A" off-hook.	Verify dial tone.	
13	Dial "5" and #	Test phone "C" should ring.	
14	Lift test phone "C".	Ringing ceases.	Verify talking path between phones "A" and "C".
15	Replace both test telephone receivers on-hook.	Talking path is released.	Testing of speed calling feature is completed.

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