# SUBSCRIBER LINE OVERFLOW REGISTER CIRCUIT TESTS NO. 1 CROSSBAR OFFICES

## 1. GENERAL

1.01 This section covers the method of checking subscriber line overflow register circuit SD-25381-01 for proper operation in No. 1 crossbar offices.

1.02 The tests are divided as follows:

(A) Test for individual subscriber line overflow.

(B) Test for register operation from all markers.

(C) Test for PBX overflow.

(D) Test for register operation on any number.

(E) Test for number check circuit operation.

## 2. APPARATUS

2.01 No. 329A plugs.

## 3. METHOD

### (A) Test for Individual Subscriber Line Overflow

3.01 Insert No. 329A plugs into the TH, H, T and U number selection jacks corresponding to the subscriber line number on which it is desired to record the number of times the line tests busy to an incoming call. Also, insert a No. 329A plug into the OS jack corresponding to the office in which the line is located.

3.02 At the terminating trouble indicator frame, operate the NS key corresponding to the location of the line in the 20 block group and originate a test call to the line under observation. The overflow register should operate.

### (B) Test for Register Operation from All Markers

3.03 Plug up the line on which observations are to be made as in 3.01.

3.04 Repeat 3.02, using a different marker. Proceed in this manner until all markers in the office have been used.

3.05 Transfer the plug to the OS jack corresponding to another office and repeat 3.03 and 3.04. If the same markers are used in this office as were previously tested as in 3.04, only one marker need be tested to insure that the markers in that office will have access to the overflow register circuit.

3.06 Proceed as in 3.05 until all markers in the building are checked. If the operation of all number check circuits is also to be checked, the calls may be distributed to the ten banks of number checking jacks as covered in 3.12.

### (C) Test for PBX Overflow

3.07 Insert No. 329A plugs into the TH, H, T and U rows of the number selection jacks corresponding to the directory number of the PBX. Also, insert a No. 329A plug into the OS jack corresponding to the office in which the PBX is located.

3.08 At the terminating trouble indicator frame, operate all 20 NS keys. Originate a test call to the PBX line plugged up, using any desired marker for the call. The overflow register should operate.

### (D) Test For Register Operation On Any Number

3.09 Insert No. 329A plugs into the No. 0 jacks of the TH, H, T and U rows of a bank of number selection jacks. If the continuity of wiring of the number selection jacks is also to be checked, use the No. 0 bank of number selection jacks. Also insert a No. 329A plug into the proper OS jack.

3.10 At the terminating trouble indicator frame operate the NS key corresponding to the location of the line in the 20 block group and originate a test call to the line plugged up. The overflow register should operate.

Note: If the line plugged up happens to be a P.B.X. line, the register may not operate. In this case procede as in 3.08.

3.11 Repeat 3.09 and 3.10 with the plugs inserted into the No. 1 jacks of the TH, H, T and U rows. Proceed in this manner until tests have been made using all digits in the four rows of jacks.

(E) Test for Number Check Circuit Operation

3.12 Originate test calls as covered in any of the above tests to numbers in each of the ten banks of number selection jacks. Each of the overflow registers should operate.

4. REPORTS

4.01 The required record of these tests should be entered on the proper form.

4.02 The register readings should be noted before and after the tests are made since registrations due to these tests should not be included in the records.