

**MANUAL OPERATIONAL TESTS OF CREDIT CARD
VERIFICATION SYSTEM TRUNKS USING TEST CIRCUIT SD-68580-01
No. 4A and 4M Toll Switching Systems**

1. GENERAL

1.01 This section describes methods used to make manual operational tests of the Credit Card Verification System (CCVS) trunks using the automatic outgoing trunk test circuit SD-68580-01.

Note: This practice affects the Equipment Test List.

1.02 The primary purpose of these tests is to test the CCVS trunk circuit; however, tests are also included that may be useful in determining whether or not the CCVS computer is supplying appropriate responses to the incoming trunk.

1.03 Tests covered are:

- A. **Read Back Test** — Simulates a service call using a verbal response provided for test purposes in the CCVS computer.
- B. **1000 Hz Tone Test** — Provides a 1000 Hz tone termination—for reference only.
- C. **30 Seconds of Silence Test** — Provides a silent termination to detect audible noise—for reference only.
- D. **3 Frequency Reorder Test** — Checks that CCVS computer returns reorder tone if it detects a mutilated digit.
- E. **Misdialed Announcement Test** — Checks that CCVS will accept two misdialed attempts after the initial connection is established and return the appropriate verbal responses.

1.04 Certain keys have built-in lamps that light when the key is operated and are extinguished when the key is released. The keys marked with an asterisk (*) are of this type. Lighting and extinguishing of lamps should be observed with the operation and release of the key. Some key lamps may be lighted and extinguished by other means when the key is operated and released; lighting and extinguishing of these lamps will be listed in the VERIFICATION column.

1.05 **Lettered Steps:** A letter a, b, c, etc., added to a step number in Part 3 indicates an action which may or may not be required depending on local conditions. The conditions under which a lettered step, or a series of lettered steps, should be made is given in the ACTION column, and all steps governed by the same condition are designated by the same letter within a test. Where a condition does not apply, all steps designated by that letter should be omitted.

1.06 The 1000 Hz and silent test terminations are supplied by the audio response unit of the CCVS. Since they are not standard telephone testing sources, such terminations serve for reference purposes only.

2. APPARATUS

Automatic Outgoing Trunk Test Circuit — SD-68580-01

3. TEST PROCEDURES

Step	Action	Verification
PREPARATION		
PERFORM STEPS 1 THROUGH 9 FOR <u>ALL TESTS.</u>		
1	At test frame, restore all keys and switches to normal.	
2	Operate RN* key.	
3	Operate and restore CA key.	

SECTION 212-517-900PT

STEP	Action	Verification
4	Restore RN* key.	
5	Operate MAN* and MON* keys.	
6	Determine from office records the test connector position number assigned to the trunk to be tested.	
7	Operate THS, HS, TS, and US switches to positions corresponding to the number of the trunk under test.	
8a	If trunk under test is associated with intertoll train, operate ITT* key.	
9	Operate PC* key.	Trunk indicator lighted corresponding to trunk under test.
A. READ BACK TEST		
10	At test frame, operate ST key.	ST key top lamp lighted. Order tone of 1.25 seconds heard in telephone receiver with concurrent lighting and extinguishing of NDS lamp, followed by lighting of KP, SUP, and OP lamps.
11	Key Code: KP-998-0, 1, 2, 3, 4, 5, 6, 7, 8, 9-ST.	KP, SUP, and OP lamps extinguished. Receive verbal response: "Test - 0, 1, 2, 3, 4, 5, 6, 7, 8, 9- Test." Reorder tone received on completion of response.
12	Operate RN* key.	
13	Operate and restore CA key.	
14	Restore RN* key.	All lamps extinguished.
15b	If next trunk is to be tested, operate MA key.	Test frame advances to next trunk.
16c	If no further tests are to be made, restore all keys and switches.	
B. 1000 Hz TONE TEST		
10	Same as Test A.	Same as Test A.
11	Key Code: KP-999-ST.	KP, SUP, and OP lamps extinguished. 1000 Hz tone heard in receiver. <i>Note:</i> The 1000 Hz tone remains for 30 seconds followed by reorder tone.
12	Same as Test A.	
13	Same as Test A.	

Step	Action	Verification
14	Same as Test A.	Same as Test A.
15b	Same as Test A.	Same as Test A.
16c	Same as Test A.	
C. 30 SECONDS OF SILENCE TEST		
10	Same as Test A.	Same as Test A.
11	Key Code: KP-997-ST.	KP, SUP, and OP lamps extinguished. Receive 30 seconds of silence.
<i>Notes:</i> <ol style="list-style-type: none"> 1. The silent interval is followed by re-order tone. 2. If noise is detected, the appropriate transmission test should be performed. 		
12	Same as Test A.	
13	Same as Test A.	
14	Same as Test A.	Same as Test A.
15b	Same as Test A.	Same as Test A.
16a	Same as Test A.	
D. 3 FREQUENCY REORDER TEST		
10	Same as Test A.	Same as Test A.
11	Key in a mutilated digit by depressing two digit keys simultaneously: KP-998-0, 1, (2 and 3), 4.	Receive reorder tone immediately.
12	Same as Test A.	
13	Same as Test A.	
14	Same as Test A.	Same as Test A.
15b	Same as Test A.	Same as Test A.
16c	Same as Test A.	
E. MISDIALED ANNOUNCEMENT TEST		
10	Same as Test A.	Same as Test A.
11	Key in a partial code: KP-997-5, 6, 7.	After approximately 6-second interval, receive verbal response: "Please rekey."

SECTION 212-517-900PT

Step	Action	Verification
12	Key in more than 13 digits: KP-998-0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 9-ST.	Receive verbal response: "Please redial."
13	Same as Test A.	
14	Same as Test A.	
15	Same as Test A.	Same as Test A.
16a	Same as Test A.	Same as Test A.
17c	Same as Test A.	