

**TRUNKS TO LOCAL TEST DESK NO. 14,  
LOCAL TEST CABINET NO. 3, AND ASSOCIATED AUXILIARY TRUNKS  
TESTS USING TRUNK TEST CIRCUIT SD-25918-01  
NO. 5 CROSSBAR OFFICES**

<b>1. GENERAL</b>		<b>PAGE</b>
1.01	This section covers tests on SD-25661-01, SD-25665-01, and SD-26137-01.	
1.02	This section is reissued for the following reasons:	
	(a) To revise all tests for standard key selection format	
	(b) To revise all tests to cover Electronic Translation System (ETS)	
	(c) To make minor changes as required.	
	This reissue does not affect Equipment Test Lists.	
1.03	The tests covered are:	
	<b>A. Trunk Seizure, Transmission, and Release:</b> This test checks the seizure of the trunk and completion of a connection from the master test frame (MTF) to the local test desk or local test cabinet No. 3. This test also checks the removal of audible ringing and the release of the trunk when both the calling party and the test facility attendant disconnect. . . . .	3
	<b>B. Coin Return After Disconnect:</b> This test checks for application of coin return potential after disconnect if coin return feature is provided in the test trunk or if an auxiliary trunk circuit is provided. . . . .	4
	<b>C. Trunk Held by Local Test Desk or Local Test Cabinet No. 3:</b> This test checks holding of the trunk by the local test desk or local test cabinet No. 3. . . . .	4
	<b>D. Trunk Busy Condition:</b> This test checks the following: (1) That only a test call can complete to an idle made-busy trunk. (2) That a service call can complete to an idle trunk. (3) The operating path of the BY relay. . . . .	5
	<b>E. Ringdown From Local Test Desk or Local Test Cabinet No. 3:</b> This test checks that the trunk recognizes and passes a ringback signal to the associated test trunk ringing circuit. . . . .	8
	<b>1.04 Lettered Steps:</b> A letter a, b, c, etc, added to a step number in Parts 3 and 4 of this section indicates an action which may or may not be required depending on local conditions. The condition 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.	
	<b>1.05</b> The manner of selecting some circuits and test conditions at the master test frame (MTF) and its associated circuits varies depending on the apparatus options furnished with these circuits. Therefore, where variable means of selection are provided. Precise instructions for	

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the selection of circuits and test conditions are not given. Precise instructions for the use of these variable means are given in Section 218-106-301.

**1.06** The location statement, At MTF—, is used to refer to all apparatus located on the four basic bays of the MTF.

**1.07** ♦When the office is arranged for ETS, the distributors and scanners associated with the marker and trunk used in the test call must be in service or in a ***maintenance-busy*** condition—not in an ***out-of-service*** condition. To change a scanner or distributor from an ***out-of-service*** to a ***maintenance-busy*** condition, use the procedure given in the following section for the office arrangement.

218-799-701—taking ETS Equipment Out-of-Service.

**1.08** When the trunk under test is arranged for ETS, the first completed test call from the MTF will cause the TST bit to be set in the trunk

register associated with the selected trunk, enabling trunk scanning to be repeated on the FT lamp at the MTF trunk test circuit. As long as the TST bit is set in the trunk register, supervision will continue to be repeated on the lamp, even on service calls. The TST bit will remain set in the trunk register until (1) a test call is made from the MTF to another trunk, or (2) the command ***STOP:TRK TST*** is entered at the maintenance TTY.♦

## 2. APPARATUS

### All Tests

**2.01** Master test control circuit, SD-25800-01.

**2.02** Trunk test circuit, SD-25918-01.

### Test D

**2.03** Blocking and insulating tools as required. Use tools and apply as covered in Section 069-020-801.

## 3. PREPARATION

*Refer to 1.04 through 1.08*

STEP	ACTION	VERIFICATION
<b>All Tests</b>		
1	At MTF— Restore all keys, set switches to OFF.	
2	Momentarily operate RL key.	All lamps extinguished.
3	♦Select Marker.	
4	Select A through C digits as required to route call to circuit under test.	
5	Operate FS, TS, KY keys.	
6	Select route advance, as required.	
7	Select trunk.	
8	Operate GPA/GPB key when trunk under test is in an allotted group.	
9	Select MISC class of test.	

STEP	ACTION	VERIFICATION
10	Select originating class of call and associated translator indication.	
11a	If ETS provided— Operate PCS, PTS keys.♦	
12b	If features provided for testing long-loop customer lines in offices equipped for range extension with uniguage cabling are under test— Operate LOLL key.	
<b>A. Trunk Seizure, Transmission, and Release</b>		
13	Operate TLK key.	
14	♦Select a noncoin class of service and rate treatment having access to trunk under test.♦	
15	Momentarily operate ST key.	♦If ETS provided— FT lamp lighted.♦ AS lamp lighted. PK lamp not lighted. Audible ring heard. At local test desk or local test cabinet No. 3— Trunk lamp lighted.
16	Attendant answers call.	At MTF— Audible ring silenced. At local test desk or local test cabinet No. 3— Transmission established to MTF. If features provided for testing long-loop customer lines in offices equipped for range extension with uniguage cabling are under test— Spurt of high tone heard. Transmission established to MTF.
17	At MTF— Request attendant to disconnect.	
18	Restore TLK key.	♦If ETS provided— FT lamp extinguished.♦ AS lamp extinguished.
19	Momentarily operate RL key.	All lamps extinguished.
20c	If no other tests are to be made— Restore all keys, set all switches to OFF.	

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STEP	ACTION	VERIFICATION
<b>B. Coin Return After Disconnect</b>		
13	Operate TLK, CN keys.	
14	Select a coin class of service and rate treatment having access to trunk under test.	
15	Momentarily operate ST key.	◆If ETS provided— FT lamp lighted.◆ AS lamp lighted. PK lamp not lighted. Audible ring heard. At local test desk or local test cabinet No. 3— Trunk lamp lighted.
16	Attendant answers call.	At MTF— Audible ring silenced. Transmission established to local test desk or local test cabinet No. 3.
17	Request attendant to disconnect.	
18	Restore TLK key.	CR lamp momentarily lighted. CND lamp lighted. AS lamp extinguished. ◆If ETS provided— FT lamp extinguished.◆
19	Restore CN key.	CND lamp extinguished.
20	Momentarily operate RL key.	All lamps extinguished.
21c	If no other tests are to be made— Restore all keys, set all switches to OFF.	
<b>C. Trunk Held by Local Test Desk or Local Test Cabinet No. 3</b>		
13	Operate TLK key.	
14	Select a noncoin class of service and rate treatment having access to trunk under test.	
15	Momentarily operate ST key.	◆If ETS provided— FT lamp lighted.◆ AS lamp lighted. PK lamp not lighted. Audible ring heard. At local test desk or local test cabinet No. 3— Trunk lamp lighted.

STEP	ACTION	VERIFICATION
16	Attendant answers call.	At MTF— Audible ring silenced. At local test desk or local test cabinet No. 3— Transmission established to MTF. If features provided for testing long-loop customer lines in offices equipped for range extension with unigauge cabling are under test— Spurt of high tone heard. Transmission established to MTF.
17	At MTF— Request attendant to hold trunk.	Transmission broken between MTF and local test desk or local test cabinet No. 3.
18	Restore TLK key.	AS lamp remains lighted.
19	After an interval of approximately 5 seconds— Operate TLK key.	Transmission reestablished to local test desk or local test cabinet No. 3.
20	Request attendant to disconnect.	
21	Restore TLK key.	◆If ETS provided— FT lamp extinguished.◆ AS lamp extinguished.
22	Momentarily operate RL key.	
23c	If no further tests are to be performed— Restore all keys, set all switches to OFF.	

**D. Trunk Busy Condition**

13	Operate TLK key.	
14	Select a noncoin class of service and rate treatment having access to trunk under test.	
15	Momentarily operate ST key.	◆If ETS provided— FT lamp lighted.◆ AS lamp lighted. PK lamp not lighted. Audible ring heard. At local test desk or local test cabinet No. 3— Trunk lamp lighted.
16	Attendant answers call.	At MTF— Audible ring silenced. At local test desk or local test cabinet No. 3— Transmission established to MTF. If features provided for testing long loop customer lines in offices equipped for range extension with unigauge cabling are under

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STEP	ACTION	VERIFICATION
		test— Spurt of high tone heard. Transmission established to MTF.
17	At MTF— Request attendant to disconnect.	
18	Restore TLK key.	AS lamp extinguished. ♦If ETS provided— FT lamp extinguished.♦
19	Momentarily operate RL key.	All lamps extinguished.
20	At relay rack— Operate MB switch associated with trunk under test.	♦If ETS provided— FT lamp lighted.♦
21	At MTF— Operate TLK key.	
22	Momentarily operate ST key.	TB lamp lighted.
23	Momentarily operate RL key.	All lamps extinguished. ♦If ETS provided— FT lamp remains lighted.♦
24	Operate NTFS, NTTS keys.	
25	Momentarily operate ST key.	AS lamp lighted.
26	Restore TLK key.	AS lamp extinguished.
27	Momentarily operate RL key.	All lamps extinguished. ♦If ETS provided— FT lamp remains lighted.♦
28	Operate FS, TS keys.	
29	Operate TLK key.	
30	At relay rack— Operate MB switches associated with all other local test desk or local test cabinet No. 3 trunks of same route on the same trunk link frame as trunk under test.	
31	Restore MB switch associated with trunk under test.	♦If ETS provided— FT lamp extinguished.♦
32	At MTF— While trunk is idle— Momentarily operate ST key.	♦If ETS provided— FT lamp lighted.♦ AS lamp lighted.

STEP	ACTION	VERIFICATION
		PK lamp not lighted. Audible ring heard. At local test desk or local test cabinet No. 3— Trunk lamp lighted.
33	Attendant answers call.	At MTF— Audible ring silenced. At local test desk or local test cabinet No. 3— Transmission established to MTF. If features provided for testing long-loop customer lines in offices equipped for range extension with uniguage cabling are under test— Spurt of high tone heard. Transmission established to MTF.
34	At MTF— Request attendant to disconnect.	
35	Restore TLK key.	AS lamp extinguished. ♦If ETS provided— FT lamp extinguished.♦
36	Momentarily operate RL key.	All lamps extinguished.
37	At relay rack— Restore MB switches associated with trunks made busy in Step 30.	
38	Operate MB switch associated with trunk under test.	♦If ETS provided— FT lamp lighted.♦
39	Momentarily operate S1 relay.	BY relay momentarily operated.
40	Momentarily operate TR relay.	BY relay momentarily operated.
41c	If trunk is arranged to return coin after disconnect— Insulate contact as follows: Nonwire-spring-relay type — 3B of SP relay. Wire-spring-relay type — 2B of SP relay.	
42c	Momentarily operate CN relay.	CN relay locked operated. BY relay operated.
43c	Block operated CO relay.	CN relay released.
44c	Remove blocking tool from CO relay.	BY relay released.
45c	Remove insulator from SP relay.	

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STEP	ACTION	VERIFICATION
46	Restore MB switch.	◆If ETS provided— FT lamp extinguished.◆
47d	If no further tests are to be performed— At MTF— Restore all keys, set all switches to OFF.	
<b>E. Ringback From Local Test Desk or Local Test Cabinet No. 3</b>		
13	Operate TLK key.	
14	Select a noncoin class of service and rate treatment having access to trunk under test.	
15	Momentarily operate ST key.	◆If ETS provided— FT lamp lighted.◆ AS lamp lighted. PK lamp not lighted. Audible ring heard.
16	At local test desk or local test cabinet No. 3— Attendant answers call.	At MTF— Audible ring silenced. At local test desk or local test cabinet No. 3— Transmission established to MTF. If features provided for testing long-loop customer lines in offices equipped for range extension with unigauge cabling are under test— Spurt of high tone heard. Transmission established to MTF.
17	At MTF— Request attendant to hold trunk and ring back when disconnect signal is received.	Transmission broken between MTF and local test desk or local test cabinet No. 3.
18	Restore TLK key.	AS lamp remains lighted. R— lamp lighted during ringback.
19	Operate TLK key.	R— lamp extinguished. Transmission reestablished to local test desk or local test cabinet No. 3.
20	Request attendant to disconnect.	
21	Restore TLK key.	AS lamp extinguished. ◆If ETS provided— FT lamp extinguished.◆
22	Momentarily operate RL key.	All lamps extinguished.

**STEP**

**ACTION**

**VERIFICATION**

23c

If no further tests are to be performed—  
Restore all keys, set all switches to OFF.

