

2-WAY INTERTOLL TRUNK CIRCUITS SD-27655-01
TESTS USING TRUNK TEST CIRCUIT SD-25918-01
NO. 5 CROSSBAR OFFICES

1. GENERAL

PAGE

1.01 This section describes a method of testing 2-way intertoll trunk circuits for use with or without common control switching arrangements (CCSA), with or without Phase III centrex, using the master test control circuit SD-25800-01. Included in this section is a miscellaneous test which is made without the master test control circuit.

on incoming local completion call if trunk is arranged for pad control. **10**

1.02 This section is reissued for the following reasons. Arrows are used to emphasize significant changes. This reissue affects the Equipment Test Lists.

B. Ringing—Local Completion: The following features are tested: (1) Application of various ringing combinations (2) Polarity of ringing current on tip and ring leads of terminating end of trunk. **12**

- (a) To revise tests F, R, S, T, U, V, V.1, V.2, W, and Y for Calling Data Transmitter (CDT) features.
- (b) To revise Test Z to indicate that it does not apply when Electronic Translation System (ETS) is provided.
- (c) To add the CS scan lamp indication on incoming calls for ETS.

C. Pretrip and Trip—Local Completion: This test checks the operation of the trip relay. **13**

1.03 The tests covered are:

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A. Trunk Seizure, Release, and Pad Control—Local Completion and Through-Switch Calls: The following features are tested: (1) Seizure of trunk. (2) Seizure of incoming register by trunk. (3) Completion of connection to a test line in local office or to an outgoing trunk through the line link appearance of this trunk. (4) Return of answering supervision toward originating end. (5) Continuity and polarity of ESK lead and operation of pad control feature

D. Supervision—Terminating End Disconnect—Local Completion and Through-Switch Calls: The following features are tested: (1) E-M supervision on local completion calls. (2) Reverse battery supervision on through switch calls. (3) Timed release of trunk on local completion call. (4) Trunk held under control of originating end. **15**

E. Supervision—Originating End Disconnect—Local Completion and Through-Switch Calls: The following features are tested: (1) E-M supervision on local completion calls. (2) Reverse battery supervision on through-switch calls. (3) Timed release of trunk on local completion calls. **17**

F. Supervision—Originating End Disconnect—Trunk Seizure Prior To Time-Out—Local Completion: This test checks that the trunk can be seized during timed release interval by an incoming or outgoing call. **19**

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<p>G. Line-Busy—Noncentrex and Centrex Transfer Calls—Local Completion: This test checks the following: (1) The return of line-busy tone to the originating line if the terminating line is found busy. (2) The return of line busy tone to the transferring station when the transferred- to-station is found busy on a centrex transfer. (3) Transmission restored between calling station and transferring station after “flash-off”</p>	<p>a centrex station requests a transfer to the attendant. 30</p>
<p>H. Overflow — Local Completion and Through-Switch Calls: This test checks that overflow tone is connected to the originating line when the marker is unable to establish a connection.</p>	<p>N. Attendant Start-In Call—Trunks Arranged For Centrex—Local Completion: The following features are tested: (1) Completion to a centrex attendant. (2) Dial transfer to another centrex line within the customer group. 33</p>
<p>I. Abandoned Call—Local Completion and Through-Switch Calls: This test checks that the trunk restores to normal on an abandoned call.</p>	<p>O. Don't Answer Transfer—Trunks Arranged For Centrex—Local Completion: This test checks the ability of a trunk which has terminated a call to a don't answer class station to request a transfer to an attendant when the station does not answer at the end of a timing period. 36</p>
<p>J. No Transfer Register Available—Trunks Arranged For Centrex: This test checks the ability of the trunk to cancel a transfer request and maintain a transmission path when a transfer register is not available.</p>	<p>P. Attendant Signal Source-Trunks Arranged For Centrex—Local Completion: This test checks the ability of the trunk to function properly when the attendant sends a re-call signal to the toll operator. 38</p>
<p>K. Station-To-Station Transfer—Trunks Arranged For Centrex—Local Completion: The following features are tested: (1) Completion to a centrex line. (2) Dial transfer to another centrex line within the customer group. (3) Originating line excluded on transfer until either centrex line flashes.</p>	<p>Q. Cancel Transfer On No Answer from Station or Attendant: This test checks the ability of the trunk to cancel a transfer request and maintain a transmission path when called station or attendant does not answer. 39</p>
<p>L. Listed Directory Number Call—Trunks Arranged For Centrex—Local Completion: This test checks the ability of the trunk to function properly on a call to an attendant with required supervision.</p>	<p>R. Trunk Seizures and Releases—Outgoing Tandem: The following features are tested: (1) Seizure of trunk. (2) Continuity and polarity of originating tip and ring leads. (3) Originating end disconnect. 42</p>
<p>M. Transfer To an Attendant—Trunks Arranged For Centrex—Local Completion: This test checks that the trunk functions properly when</p>	<p>S. Supervision—Terminating End Disconnect—Outgoing Tandem: The following features are tested: (1) Reverse battery supervision to incoming through trunk. (2) Trunk held under control of originating end. 43</p>
<p></p>	<p>T. Charge and Noncharge Supervision— Local Originating Outgoing: The following features are tested: (1) Charge functions (2) Charge</p>

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condition not established when answered call is held less than 2 seconds on AMA operation.	43
U. Supervision—Terminating End Disconnect—Local Originating Outgoing: The following features are tested: (1) Charge functions. (2) Charge condition established when answered call is held more than 2 seconds on AMA operation.	45
V. Overflow—Local Originating Outgoing: This test checks the ability of the trunk to return overflow tone to the calling end when the sender encounters a condition which prevents it from completing its functions.	46
V.1 Call to Test Line: The following features are checked: (1) Seizure of incoming register. (2) Continuity of talking paths. (3) Continuity of sleeve lead. (4) Transmission of supervisory signals from distant office.	47
V.2 Glare Feature: This test checks the glare reduction feature of the trunk on local originated and tandem calls.	48
W. Sleeve Busy Indication To 17E Testboard: This test checks that the trunk tests busy at the testboard when the trunk is seized on an outgoing call.	49
X. Cross Office Lock-Out From 17E Testboard on Incoming Through-Switch Call: This test checks that on an incoming through-switch call, the outgoing trunk can be held off-normal from the testboard.	50
Y. Trunk Busy To Outgoing Calls: The following features are tested: (1) Seizure by the test frame only when the trunk is made busy. (2) Busy condition to service calls when trunk is made busy. (3) When provided, operation of the DR relay in the trunk denies service to outgoing calls from a customer or from the MTF.	51
Z. False-Busy and False-Idle Conditions †(ETS not Provided)‡ This test checks for continuity and crosses on the F, BT, and FT leads.	53
1.04 Test A is made with one-half of the incoming registers associated with trunk being tested made busy.	
1.05 Test J is made with all transfer registers made busy.	
1.06 Test A through Q and X through Z require actions and verifications at the relay rack frame of trunk under test.	
1.07 Tests W through Y require actions and verifications at the 17E testboard (if provided).	
1.08 Lettered Steps: A letter a, b, c, etc, added to a step number in Part 3 or 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.	
1.09 During Test A a trouble record is taken. Trouble recorder register TRE will score. The reporting of this register operation should be in accordance with local instructions.	
1.10 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 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.	
1.11 The location statement, At MTF—, is used to refer to all apparatus located on the four basic bays of the MTF.	

1.12 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 supervisory scanning to be repeated on the FT, CS, and S1 lamps 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 lamps, 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.

1.13 When the office is arranged for LAMA-C or 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 sections for the office arrangement.

218-798-308—Taking LAMA-C Equipment Out-of-Service.

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

1.14 On Issue 76D of SD-25800-01, a group of 18 “class of test” lamps was replaced by a single “start test” lamp designated STT. Since the designation given to the lamp is not specific, the lamp will not be called out in the section, as well as the 18 discontinued lamps, such as DT, ORIG, ITDO, ITNP, OGT, etc.

1.15 ♦When CDT (calling data transmitter) billing system is provided in the office, this trunk may or may not handle billable calls. When it is arranged for billable calls, supervisory scan points will be assigned and supervision will be repeated from the scan points on test calls to the MTF by CS and S1 lamps.

1.16 When CDT is provided, there may be several configurations in the office - single controller, dual controller with the trunk assigned to one controller, or dual controller and the trunk is assigned to both controllers. When assigned to both controllers in a dual controller configuration,

one test must be made to each controller to verify scan points for each controller.♦

2. APPARATUS

Test A Through Y

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

2.02 Trunk test circuit, SD-25918-01.

Tests A Through Q and X

2.03 Two testing cords, P3E cord, 6 feet long, equipped with two 310 plugs (3P7A cord).

Tests A and J, and if 17E Testboard Appearance is Not Provided, Tests A Through Q, Y, and Z

2.04 322A (make-busy) plugs as required.

Tests D, E, S, T, and U

2.05 KS-3008 stopwatch or equivalent.

Test F

2.06 1014A dal hand test set (handset), equipped with a 2W38A cord assembly consisting of a W2CK cord, 310 plug, and 471A jack.

Tests L Through P, if Test Attendant Trunk is Arranged for 608A Switchboard Operation

2.07 1500D TOUCH-TONE® telephone set equipped with a 3W9A cord with 310 plug.

Tests L Through Q, if Console Attendant Trunk is Provided

2.08 1B-type test console equipped with D-75A-61 cord with a KS-16409, L19 connector unit.

Test Z

2.09 Oscillator, J94730B (SD-95616-01), part of 1A fault locator test set, J94730A.

2.10 Testing cord, W1AK cord, 6 feet long, equipped with one 1P (P44B, 490) banana plug, one 360B tool, and one 624B tool.

Test Y, Z

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

2.12 Testing cord, 893 cord, 6 feet long, equipped
with 360A tools (1W13B cord) and two
KS-6278 connecting clips (for connecting high-resistance
ground to terminal strip terminals).

3. PREPARATION

3. PREPARATION

Note: Refer to paragraphs 1.04 through 1.16

STEP	ACTION	TEST													
		A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	At MTF— Restore all keys and switches.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	Momentarily operate RL key.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3a	If 17E testboard appearance is provided— Have testboard attendant make trunk busy to outgoing and incoming calls.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4b	If 17E testboard appearance is not provided— At MTF jack, lamp, and key circuit—Insert make-busy plug into OGT-MB jack associated with trunk under test and have trunk removed from service at distant office.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	At relay rack— When IN, SG relays on trunk under test are not operated— Patch T1, T2 jacks on trunk under test to TOL T1, TOL T2 jacks on frame.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	At MTF— Select ITNP class of test.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	Select TOL subclass of test.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	Operate TLK key.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	Select ringing combination 01.	X	X	X	X	X	X		X	X	X	X	X	X	X
10	Operate TTL key.	X	X	X	X	X	X		X	X	X	X	X	X	X
11c	If test attendant trunk is arranged for console operation— Operate TST CNSL key.												X	X	X
12c	Plug attached cord of test console into CNTX TST CONN T jack.												X	X	X
13d	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Plug cord of TOUCH-TONE telephone set into ORT jack. (Telephone hand-set on-hook.)												X	X	X
14	Select OGT class of test.														

3. PREPARATION

Note: Refer to paragraphs 1.04 through 1.16

STEP	ACTION	TEST													
		A	B	C	D	E	F	G	H	I	J	K	L	M	N
15	Select class of service, rate treatment as required, having access to trunk under test.														
16	Select A through K digits as required to route to trunk under test.														
17	Select originating class of call and associated translator indication.														
18	Select trunk location.														
19	Operate GPA/GPB key when trunk is in an allotted group.														
20	Select route advance, as required.														
21	Select completing marker.														
22	Operate TLK, KY, E-M, FS, TS keys.														
23e	If ETS provided — Operate PCS, PTS keys.														

—Omit Step  Proceed to METHOD

3. PREPARATION

Note: Refer to paragraph 1.04 through 1.16

STEP	ACTION	TEST												
		O	P	Q	R	S	T	U	V	V.1	V.2	W	X	Y
1	At MTF— Restore all keys and switches.	X	X	X	X	X	X	X	X	X	X	X	X	X
2	Momentarily operate RL key.	X	X	X	X	X	X	X	X	X	X	X	X	X
3a	If 17E testboard appearance is provided— Have testboard attendant make trunk busy to outgoing and incoming calls.	X	X	X	—	—	—	—	—	—	—	—	X	X
4b	If 17E testboard appearance is not provided— At MTF jack, lamp, and key circuit— Insert make-busy plug into OGT-MB jack associated with trunk under test and have trunk removed from service at distant office.	X	X	X	—	—	—	—	—	—	—	—	—	X
5	At relay rack— When IN, SG relays on trunk under test are not operated— Patch T1, T2 jacks on trunk under test to TOL T1, TOL T2 jacks on frame.	X	X	X	—	—	—	—	—	—	—	—	X	—
6	At MTF— Select ITNP Class of test.	X	X	X	—	—	—	—	—	—	—	—	X	—
7	Select TOL subclass of test.	X	X	X	—	—	—	—	—	—	—	—	X	—
8	Operate TLK key.	X	X	X	—	—	—	—	—	—	—	—	X	—
9	Select ringing combination 01.	X	—	X	—	—	—	—	—	—	—	—	—	—
10	Operate TTL key.	X	X	X	—	—	—	—	—	—	—	—	X	—
11c	If test attendant trunk is arranged for console operation— Operate TST CNSL key.	X	X	X	—	—	—	—	—	—	—	—	—	—
12c	Plug attached cord of test console into CNTX TST CONN T jack.	X	X	X	—	—	—	—	—	—	—	—	—	—
13d	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Plug cord of TOUCH-TONE telephone set into ORT jack. (Telephone handset on-hook.)	X	X	—	—	—	—	—	—	—	—	—	—	—
14	Select OGT class of test.	—	—	—	X	X	X	X	X	—	X	X	—	X

3. PREPARATION

Note: Refer to paragraph 1.04 through 1.16

STEP	ACTION	TEST												
		O	P	Q	R	S	T	U	V	V.1	V.2	W	X	Y
15	Select class of service, rate treatment as required, having access to trunk under test.				X	X	X	X	X	X	X	X		X
16	Select A through K digit as required to route to trunk under test.				X	X	X	X	X	—	X	X		X
17	Select originating class of call and associated translator indication.				X	X	X	X	X	X	X	X		X
18	Select trunk location.				X	X	X	X	X	X	X	X		X
19	Operate GPA/GPB key when trunk is in an allotted group.				X	X	X	X	X	X	X	X		X
20	Select route advance, as required.				X	X	X	X	X	X	X	X		X
21	Select completing marker.				X	X	X	X	X	X	X	X		X
22	Operate TLK, KY, E-M, FS TS keys.				X	X	X	X	X	X	X	X		X
23e	If ETS provided — Operate PCS, PTS Keys.				X	X	X	X	X	X	X	X		X
24f	If trunk is to be tested for CDT — Operate CDTT key.				X	X	X	X	X	X	X	X		X
25f	When trunk is assigned to CDT dual controllers, select controller — Operate CDC 0/1 key.				X	X	X	X	X	X	X	X		X
26f	When a trouble record is to be taken from the CDT translator access (TA) circuit Operate TREC key.				X	X	X	X	X	X	X	X		X
27f	When the CDT controller operates with both shared and dedicated translator circuits and a particular translator circuit is to be used for the test— Operate TAD key to select dedicated TA circuit or operate TAS key to select shared TA circuit. <i>Note:</i> When a TA circuit is not selected, the controller will select the next available TA circuit.				X	X	X	X	X	X	X	X		X

—Omit Step

▒ Proceed to METHOD

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4. METHOD

STEP	ACTION	VERIFICATION
A. Trunk Seizure, Release, and Pad Control—Local Completion and Through-Switch Calls		
Local Completion		
11c	If directing digit or digits are required— Select A, B, and C digits as required for incoming class of trunk under test.	
12d	If marker provides pad control— Operate 2WD key.	
13	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
14	Momentarily operate LS key.	SLV lamp may light momentarily. TS lamp lighted. R- lamp flashes. Ringing tone heard in unison with R- lamp flashes. ♦If ETS provided— CS lamp lighted.♦
15	Operate ANS key.	OGT-CS lamp lighted. R- lamp extinguished. High tone heard. If marker provides pad control— At relay rack frame— PC relay operated.
16	At MTF— Restore ANS key.	OGT-CS lamp extinguished.
17	Restore TLK key.	TS lamp extinguished.
18	Momentarily operate RL key.	All lamps extinguished.
Through Switch		
19	Insert make-busy plugs into IRMB- jacks of incoming registers associated with trunk being tested, served by even numbered incoming register marker connectors.	
20	Select A, B, C digits assigned to simulated 2-wire trunk (part of SD-25918-01) for through-switched testing.	
21	Operate E-M, REC keys.	
22	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.

STEP	ACTION	VERIFICATION
23	Momentarily operate LS key.	◆If ETS provided— CS lamp lighted.◆ E lamp lighted. SLV lamp may light momentarily. Trouble record taken. Perforations show TKT, OCN, TRK, or 1TR and FTT_, FUT_, VGT_, HGT_, VFT_ representing one of the line link frame appearances of the trunk being tested.
24	Remove plugs inserted in Step 19.	
25	Operate ANS key.	OGT-CS lamp lighted. High tone heard.
26	Restore E-M, TLK, ANS keys.	E, OGT-CS lamps extinguished. High tone silenced.
27	Momentarily operate RL key.	All lamps extinguished.
28	Insert make-busy plugs into IRMB- jacks of incoming registers associated with trunk being tested, served by odd numbered incoming register marker connectors.	
29	Operate TLK, E-M keys.	
30	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
31	Momentarily operate LS key.	◆If ETS provided— CS lamp lighted.◆ E lamp lighted. SLV lamp may light momentarily. Trouble record taken. Perforations show TKT, ECN, TRK or 1TR and FTT_, FUT_, VGT_, HGT_, VFT_ representing one of the line link frame appearances of the trunk being tested.
32	Remove plugs inserted in Step 28.	
33	Operate ANS key.	OGT-CS lamp lighted. High tone heard.
34	Restore TLK, E-M keys.	E, OGT-CS lamps extinguished. High tone silenced.
35	Momentarily operate RL key.	All lamps extinguished.

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STEP	ACTION	VERIFICATION
All Tests		
36	Restore all keys and switches not required in next test.	
37e	If no further tests are to be performed— At relay rack frame— Remove patching cords from T1, T2 jacks.	
38a	If 17E testboard appearance is provided— Have testboard attendant restore trunk to service at both ends.	
39b	If 17E testboard appearance is not provided— At jack, lamp, and key circuit— Remove plug from OGT-MB jack associated with trunk under test and have distant office restore trunk to service.	
B. Ringing—Local Completion		
11	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
12	Momentarily operate LS key.	<p data-bbox="881 993 1138 1052">♦If ETS provided— CS lamp lighted.♦</p> <p data-bbox="881 1089 1463 1274">SLV lamp may light momentarily. TS lamp lighted. R-, R+, T-, or T+ lamp flashes (see Table A). Ringing tone heard in unison with R-, R+, T-, or T+ lamp flashes.</p>
13	Momentarily operate RL key.	All lamps extinguished.
14	Repeat Steps 11 through 13 for each ringing combination provided to be applied to ringing test line (see Table A).	
15	Restore all keys and switches not required in next test.	
16c	If no further tests are to be performed— At relay rack frame— Remove patching cords from T1, T2 jacks.	
17a	If 17E testboard appearance is provided— Have testboard attendant restore trunk to service at both ends.	
18b	If 17E testboard appearance is not provided— At jack, lamp, and key circuit—	

STEP	ACTION	VERIFICATION
	Remove plug from OGT-MB jack associated with trunk under test and have distant office restore trunk to service.	
C. Pretrip and Trip—Local Completion		
11c	If directing digit or digits are required— Select A, B, and C digits as required for incoming class of trunk under test.	
12	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
13	Momentarily operate LS key.	◆If ETS provided— CS lamp lighted.◆ SLV lamp may light momentarily. TS lamp lighted. R- lamp flashes. Ringing tone heard in unison with R-lamp flashes.
14	Hold PTP key operated for 1/2 second during silent interval of ringing cycle.	R- lamp continues to flash at same rate.
15d	If test circuit has a 1500-ohm test resistance— Hold TRP key operated for 1/2 second during silent interval of ringing cycle.	R- lamp extinguished. Ringing tone silenced.
16e	If test circuit has 1622-ohm test resistance— Hold TRP key operated for 1 second during silent interval of ringing cycle.	R- lamp extinguished. Ringing tone silenced.
17	Momentarily operate RL key.	All lamps extinguished.
18	Restore all keys and switches not required in next test.	
19f	If no further tests are to be performed— At relay rack frame— Remove patching cords from T1, T2 jacks.	
20a	If 17E testboard appearance is provided— Have testboard attendant restore trunk to service at both ends.	
21b	If 17E testboard appearance is not provided— At jack, lamp, and key circuit— Remove plug from OGT-MB jack associated with trunk under test and have distant office restore trunk to service.	

TABLE A — RINGING CODE CHECK CHART

RINGING COMB.	RINGING SELECTION SWITCH SELECT MAGNETS OPERATED	RINGING DETECTION LAMP LIGHTED	RINGING TEST LINE NO.	RINGING CODES	RINGING INTERVAL IN SECONDS							REMARKS		
					0	1	2	3	4	5	6			
1*†	0,6	R—		Code 1 Gen	—	—								
2	0,2	R—		Code 1 Gen	—									
		R—		Code 2 Gen	—									
3*	0,3	R—		Continuous	—	—	—	—	—	—	—	—	—	—
		R+		Code 2+	—									
		R—		Code 1 Gen	—									
4	0,4	R—		Code 3 Gen	—									
		R+		Code 3+	—									
		R—		Code 4 Gen	—									
5*	0,5	R—		Code 1 HV	—									
		R—		Code 2 Gen	—									
		R—		Code 2 Gen	—									
6	0,7	R+		Code 2+	—									
		R—		Code 2 Gen	—									
		R—		Code 5 Gen	—									
7*	1,7	§¶		—48 Ring, Grd Tip	—	—	—	—	—	—	—	—	—	Silent Level
		§¶		—48 Ring, Grd Tip	—	—	—	—	—	—	—	—	—	Silent Level
		R+		Code 1+	—									
8*	0,8	R—		Code 2 Gen	—									
		R+		Code 2+	—									
		T—§		—48 Tip, Grd Ring	—	—	—	—	—	—	—	—	—	Silent Level
9	1,8	T+		Code 1+	—									
		T—		Code 2 Gen	—									
		T—		Code 1 Gen	—									Free Line
10‡	0,6	R—		Code 2+	—									Free Line
		T—		Code 1 Gen	—									
11*†	1,6	T—		Code 1 Gen	—									
12*	1,2	T—		Code 1 Gen	—									
		T—		Code 2 Gen	—									
		T—		Continuous	—	—	—	—	—	—	—	—	—	—
13	1,3	T+		Code 2+	—									
		T—		Code 1 Gen	—									
		T—		Code 3 Gen	—									
		T+		Code 3+	—									
14*	1,4	T—		Code 4 Gen	—									
		T—		Code 1 HV	—									
		T—		Code 2 Gen	—									
15	1,5	T+		Code 2+	—									
		T—		Code 2 Gen	—									
		T—		Code 5 Gen	—									
		T—§		—48 Tip, Grd Ring	—	—	—	—	—	—	—	—	—	Silent Level

*These ringing combinations check all equipped crosspoints on the ringing selection switch.

†In offices arranged for marker controlled immediate ring, set RMBR switch to position 1.

‡Ringing combination 10 is listed for information purposes only and should not be used for testing the ringing feature.

§If line link pulsing or direct access to No. 101 ESS is provided, operate RTK key to test silent level.

*No indication.

STEP	ACTION	VERIFICATION
D. Supervision—Terminating End Disconnect—Local Completion and Through-Switch Calls		
Local Completion		
Note: Do not make this test until trunk has been idle for a minimum of 2 minutes.		
11c	If directing digit or digits are required— Select A, B, and C digits as required for incoming class of trunk under test.	
12d	If centrex feature is provided and is being tested— Operate CNTX, CTTL keys.	
13e	If 2-dB pad is required and fixed pad is not provided— Operate 2WD key.	
14	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
15	Momentarily operate LS key.	♦If ETS provided— CS lamp lighted.♦ SLV lamp may light momentarily. TS lamp lighted. R- lamp flashes. Ringing tone heard in unison with R- lamp flashes.
16	Operate ANS key.	OGT-CS lamp lighted. R- lamp extinguished. High tone heard.
17	After 6 to 8 seconds— Restore ANS key, <i>start timing</i> .	High tone silenced. If noncentrex call— OGT-CS lamp extinguished. In 13 to 32 seconds— TS lamp extinguished. If centrex call— In approximately 2 seconds— OGT-CS lamp extinguished. In 13 to 32 seconds— TS lamp extinguished.
18	Restore TLK key.	
19	Momentarily operate RL key.	All lamps extinguished.

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STEP	ACTION	VERIFICATION
20e	If 2-dB pad is required and fixed pad is not provided— Restore 2WD key.	
21f	If 2-dB pad is not required to be inserted in circuit and fixed pad is not provided— Operate TLK key.	
22f	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
23f	Momentarily operate LS key.	◆If ETS provided— CS lamp lighted.↺ SLV lamp may light momentarily. TS lamp lighted. R- lamp flashes. Ringing tone heard in unison with R- lamp flashes.
24f	Operate ANS key.	OGT-CS lighted. R- lamp extinguished. High tone heard.
25f	After 6 to 8 seconds— Restore ANS key, <i>start timing</i> .	High tone silenced. If noncentrex call— OGT-CS lamp extinguished. After 35 seconds— TS lamp remains lighted. If centrex call— In approximately 2 seconds— OGT-CS lamp extinguished. TS lamp extinguished.
26f	Restore TLK key.	
27f	Momentarily operate RL key.	

Through Switch

28	Select A, B, C digits assigned to simulated 2-wire trunk (part of SD-25918-01) for through-switched testing.	
29	Operate E-M key.	
30	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
31	Momentarily operate LS key.	◆If ETS provided— CS lamp lighted.◆ E lamp lighted. SLV lamp may light momentarily.

STEP	ACTION	VERIFICATION
32	Operate ANS key.	OGT-CS lamp lighted. High tone heard.
33	After 6 to 8 seconds— Restore ANS key, <i>start timing</i> .	OGT-CS lamp extinguished. High tone removed. After 35 seconds— E lamp remains lighted.
34	Momentarily operate RL key.	All lamps extinguished.
All Tests		
35	Restore all keys and switches not required in next test.	
36g	If no further tests are to be performed— At relay rack frame— Remove patching cords from T1, T2 jacks.	
37a	If 17E testboard appearance is provided— Have testboard attendant restore trunk to service at both ends.	
38b	If 17E testboard appearance is not provided— At jack, lamp, and key circuit— Remove plug from OGT-MB jack associated with trunk under test and have distant office restore trunk to service.	
E. Supervision—Originating End Disconnect—Local Completion and Through-Switch Calls		
Local Completion		
Note: Do not make this test until trunk has been idle for a minimum of 2 minutes.		
11c	If directing digit or digits are required— Select A, B, and C digits as required for incoming class of trunk under test.	
12	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
13	Momentarily operate LS key.	♦If ETS provided— CS lamp lighted.♦ SLV lamp may light momentarily. TS lamp lighted. R- lamp flashes. Ringing tone heard in unison with R- lamp flashes.

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STEP	ACTION	VERIFICATION
14	Operate ANS key.	OGT-CS lamp lighted. R- lamp extinguished. High tone heard.
15	Restore TLK key, <i>start timing</i> .	High tone silenced. OGT-CS lamp extinguished. In 13 to 32 seconds— TS lamp extinguished.
16	Restore ANS key.	
17	Momentarily operate RL key.	
Through Switch		
18	Select A, B, C digits assigned to simulated 2-wire trunk (part of SD-25918-01) for through-switched testing.	
19	Operate E-M key.	
20	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
21	Momentarily operate LS key.	◆If ETS provided— CS lamp lighted.◆ E lamp lighted. SLV lamp may light momentarily.
22	Operate ANS key.	OGT-CS lamp lighted. High tone heard.
23	Restore TLK key.	High tone silenced. OGT-CS, E lamps extinguished.
24	Momentarily operate RL key.	All lamps extinguished.
All Tests		
25	Restore all keys and switches not required in next test.	
26d	If no further tests are to be performed— At relay rack frame— Remove patching cords from T1, T2 jacks.	
27a	If 17E testboard appearance is provided— Have testboard attendant restore trunk to service at both ends.	
28b	If 17E testboard appearance is not provided— At jack, lamp, and key circuit— Remove plug from OGT-MB jack associated	

STEP	ACTION	VERIFICATION
	with trunk under test and have distant office restore trunk to service.	
F. Supervision—Originating End Disconnect—Trunk Seizure Prior To Time Out—Local Completion		
	<i>Note:</i> Do not make this test until trunk has been idle for a minimum of 2 minutes.	
All Tests		
11c	If directing digit or digits are required— Select A, B, and C digits as required for incoming class of trunk under test.	
12	At jack, lamp, and key circuit— Insert plug of handset into TM2 jack and operate handset switch to TALK.	
13	At MTF— Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
14	Momentarily operate LS key.	♦If ETS provided— CS lamp lighted.♦ SLV lamp may light momentarily. TS lamp lighted. R- lamp flashes. Ringing tone heard in unison with R- lamp flashes.
15	Operate ANS key.	OGT-CS lamp lighted. R- lamp extinguished. High tone heard.
16	At jack, lamp, and key circuit— Operate TM2 key.	At MTF— High tone removed from headset. Transmission established between handset and headset.
17	Restore ANS, TTL keys.	
Incoming Seizure Prior To Time-Out		
18	Operate A- through E- for permanent busy number.	
19	Operate KRC key.	
20	Momentarily operate RL key.	All lamps except TS extinguished.
	<i>Note:</i> Next step should be made within 2 to 10 seconds.	

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STEP	ACTION	VERIFICATION
21	Momentarily operate ST key.	OGT-CS lamp lighted momentarily. TS lamp extinguished.
22	Momentarily operate LS key.	◆If ETS provided— CS lamp lighted.◆ SLV lamp may light momentarily. Busy tone heard in headset.
23	Momentarily operate RL key.	Busy tone silenced.
24	At jack, lamp, and key circuit— Restore TM2 key.	
25	At MTF— Restore A- through E- for permanent busy number.	
26	Restore KRC key.	

Outgoing Seizure Prior To Time-Out

27	Restore ITNP class of test.	
28	Select OGT class of test.	
29	Select class of service, rate treatment as required, having access to trunk under test.	
30	Select originating class of call and associated translator indication.	
31	Operate NTFS, NTTS, KY, E-M keys.	
32	Select trunk location.	
33	Operate A- through K- to select trunk under test.	
34	Select completing marker.	
35	Select route advance, as required.	
36d	◆If trunk is to be tested for CDT— Operate CDTT key.	
37d	When trunk is assigned to CDT dual controllers, select controller— Operate CDC 0/1 key.	
38d	When a trouble record is to be taken from the CDT translator access (TA) circuit— Operate TREC key.	

STEP	ACTION	VERIFICATION
39d	<p>When the CDT controller operates with both shared and dedicated translator circuits and a particular translator circuit is to be used for the test— Operate TAD key to select dedicated TA circuit, or operate TAS key to select shared TA circuit.</p> <p>Note: When a TA circuit is not selected, the controller will select the next available TA circuit.♦</p>	
40	<p>Momentarily operate RL key.</p> <p>Note: Steps 41 and 42 should be made within 2 to 10 seconds.</p>	All lamps except TS extinguished.
41	Restore TOL subclass of test.	
42	Momentarily operate ST key.	<p>♦If CDTT key is operated— S1 lamp lighted.♦ If LAMA-C provided— S1, CS lamps lighted. If ETS provided— FT, S1, CS lamps lighted. OGT-CS, E, AS lamps lighted. TS lamp extinguished.</p>
43	Momentarily operate RL key.	<p>All lamps extinguished. If ETS provided— FT lamp remains lighted.</p>
All Tests		
44	Restore all keys and switches not required in next test.	
45e	<p>If no further tests are to be performed— At jack, lamp, and key circuit— Remove handset from TM2 jack.</p>	
46a	<p>If 17E testboard appearance is provided— Have testboard attendant restore trunk to service at both ends.</p>	<p>If ETS provided— FT lamp extinguished.</p>
47b	<p>If 17E testboard appearance is not provided— At jack, lamp, and key circuit— Remove plug from OGT-MB jack associated with trunk under test and have distant office restore trunk to service.</p>	<p>If ETS provided— FT lamp extinguished.</p>

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STEP	ACTION	VERIFICATION
G. Line-Busy—Noncentrex and Centrex Transfer Calls—Local Completion		
Noncentrex		
10c	If directing digit or digits are required— Select A, B, and C digits as required for incoming class of trunk under test.	
11	Operate BB key.	
12	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
13	Momentarily operate LS key.	◆If ETS provided— CS lamp lighted.◆ SLV lamp may light momentarily. Line-busy tone heard.
14	Momentarily operate RL key.	All lamps extinguished.
15	Restore BB key.	
Centrex Transfer		
16c	If directing digit or digits are required— Select A, B, and C digits as required for incoming class of trunk under test.	
17	Operate TTL, CTTL, CNTX keys.	
18	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
19	Momentarily operate LS key.	◆If ETS provided— CS lamp lighted.◆ SLV lamp may light momentarily. TS lamp lighted. R- lamp flashes. Ringing tone heard in unison with T- lamp flashes.
20	Operate ANS key.	OGT-CS lamp lighted. R- lamp extinguished. High tone heard.
21	Operate CTX1 key.	High tone silenced.
22	Momentarily restore TLK key.	Dial tone heard.
23	Dial permanent busy test number.	Busy tone heard.
24	Operate CTX4 key.	

STEP	ACTION	VERIFICATION
25	Restore CTX1 key.	Busy tone silenced.
26	Operate CTX1 key.	Busy tone heard.
27	Momentarily restore TLK key.	Busy tone silenced.
28	Restore CTX1, CTX4 keys.	High tone heard.
29	Momentarily operate RL key.	All lamps extinguished.

All Tests

- 30 Restore all keys and switches not required in next test.
- 31d If no further tests are to be performed—
At relay rack frame—
Remove patching cords from T1, T2 jacks.
- 32a If 17E testboard appearance is provided—
Have testboard attendant restore trunk to service at both ends.
- 33b If 17E testboard appearance is not provided—
At jack, lamp, and key circuit—
Remove plug from OGT-MB jack associated with trunk under test and have distant office restore trunk to service.

H. Overflow—Local Completion and Through-Switch Calls**Local Completion**

- | | | |
|----|---|---|
| 9 | Operate A- through E- for permanent overflow test number. | |
| 10 | Operate KY key. | |
| 11 | Momentarily operate ST key. | OGT-CS lamp lighted momentarily. |
| 12 | Momentarily operate LS key. | ◆If ETS provided—
CS lamp lighted.◆
SLV lamp may light momentarily.
Overflow tone heard. |
| 13 | Momentarily operate RL key. | All lamps extinguished. |
| 14 | Release A- through E-. | |

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STEP	ACTION	VERIFICATION
Through Switch		
15	Select A, B, C digits assigned to simulated 2-wire trunk (part of SD-25918-01) for through-switched testing.	
16	Operate E-M, RO keys.	
17	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
18	Momentarily operate LS key.	◆If ETS provided— CS lamp lighted.◆ E lamp lighted. SLV lamp may light momentarily. Overflow tone heard.
19	Momentarily operate RL key.	All lamps extinguished.
All Tests		
20	Restore all keys and switches not required in next test.	
21c	If no further tests are to be performed— At relay rack frame— Remove patching cords from T1, T2 jacks.	
22a	If 17E testboard appearance is provided— Have testboard attendant restore trunk to service at both ends.	
23b	If 17E testboard appearance is not provided— At jack, lamp, and key circuit— Remove plug from OGT-MB jack associated with trunk under test and have distant office restore trunk to service.	
I. Abandoned Call—Local Completion and Through-Switch Calls		
Local Completion		
11c	If directing digit or digits are required— Select A, B, and C, digits as required for incoming class of trunk under test.	
12	Momentarily operate ST key.	
13	Momentarily operate LS key.	◆If ETS provided— CS lamp lighted.◆ SLV lamp may light momentarily. TS lamp lighted.

STEP	ACTION	VERIFICATION
		R- lamp flashes. Ringing tone heard in unison with R- lamp flashes.
14	Restore TLK key.	TS, R- lamps extinguished. Ringing tone silenced.
15	Momentarily operate RL key.	All lamps extinguished.

Through Switch

16	Select A, B, C digits assigned to simulated 2-wire trunk (part of SD-25918-01) for through-switched testing.	
17	Operate E-M key.	
18	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
19	Momentarily operate LS key.	♦If ETS provided— CS lamp lighted.♦ E lamp lighted. SLV lamp may light momentarily.
20	Restore TLK key.	E lamp extinguished.
21	Momentarily operate RL key.	All lamps extinguished.

All Tests

22	Restore all keys and switches not required in next test.
23d	If no further tests are to be performed— At relay rack frame— Remove patching cords from T1, T2 jacks.
24a	If 17E testboard appearance is provided— Have testboard attendant restore trunk to service at both ends.
25b	If 17E testboard appearance is not provided— At jack, lamp, and key circuit— Remove plug from OGT-MB jack associated with trunk under test.

J. No Transfer Register Available—Trunks Arranged For Centrex

11c	If directing digit or digits are required— Select A, B, and C digits as required for incoming class of trunk under test.
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STEP	ACTION	VERIFICATION
12	Operate CNTX, CTTL keys.	OGT-CS lamp lighted momentarily.
13	Momentarily operate ST key.	
14	Momentarily operate LS key.	<p>◆If ETS provided— CS lamp lighted.◆ SLV lamp may light momentarily. TS lamp lighted. R- lamp flashes. Ringing tone heard in unison with R- lamp flashes.</p>
15	Operate ANS key.	<p>OGT-CS lamp lighted. R- lamp extinguished. High tone heard.</p>
16	At jack, lamp, and key circuit— Insert make-busy plugs into all TFRMB jacks.	
17	At MTF— Momentarily restore ANS key.	High tone silenced.
	Note: An on-hook for longer than 2 seconds starts a disconnect.	
18	Operate CTX1 key.	Dial tone not heard.
19	Restore CTX1 key.	
20	Momentarily restore ANS key.	High tone heard.
21	Restore ANS key.	High tone silenced.
22	At jack, lamp, and key circuit— Remove plugs from TFRMB jacks.	
23	At MTF— Momentarily operate RL key.	All lamps extinguished.
24	Restore all keys and switches not required in next test.	
25d	If no further tests are to be performed— At relay rack frame— Remove patching cords from T1, T2 jacks.	
26a	If 17E testboard appearance is provided— Have testboard attendant restore trunk to service at both end.	
27b	If 17E testboard appearance is not provided— At jack, lamp, and key circuit—	

STEP	ACTION	VERIFICATION
	Remove plug from OGT-MB jack associated with trunk under test and have distant office restore trunk to service.	
	K. Station-To-Station Transfer—Trunks Arranged for Centrex—Local Completion	
11c	If directing digit or digits are required— Select A, B, and C digits as required for incoming class of trunks under test.	
12	Set TERT switch to KM.	
13	Operate CNTX, CTTL keys.	
14	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
15	Momentarily operate LS key.	♦If ETS provided— CS lamp lighted.♦ SLV lamp may light momentarily. TS lamp lighted. R- lamp flashes. Ringing tone heard in unison with R- lamp flashes.
16	Operate ANS key.	OGT-CS lamp lighted. R- lamp extinguished. High tone heard.
17	Operate CTX1 key.	High tone silenced.
18	Restore ANS key.	
19	Operate CTX4 key.	
20	After 3 seconds— Momentarily restore TLK key.	TS lamp may flash momentarily. Dial tone heard.
21	Dial number assigned to centrex terminating test line 2.	TS2 lamp lighted. R- lamp flashes. Ringing tone heard in unison with R- lamp flashes.
22	Restore CTX1 key.	Ringing tone silenced.
23	Operate CTX1 key.	Ringing tone heard.
24	Operate ANS key.	R- lamp extinguished. Ringing tone silenced. High tone heard.
25	Restore CTX1 key.	High tone silenced.

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STEP	ACTION	VERIFICATION
26	Momentarily restore ANS key.	High tone heard.
27	Operate CTX1 key.	High tone heard.
28	Restore TLK key.	TS lamp extinguished. High tone silenced.
29	Operate TLK key.	
30	Restore CTX1 key.	High tone heard.
31	Momentarily operate RL key.	High tone silenced. All lamps extinguished.
32	Restore all keys and switches not required in next test.	
33d	If no further tests are to be performed— At relay rack frame— Remove patching cords from T1, T2 jacks.	
34a	If 17E testboard appearance is provided— Have testboard attendant restore trunk to service at both ends.	
35b	If 17E testboard appearance is not provided— At jack, lamp, and key circuit— Remove plug from OGT-MB jack associated with trunk under test and have distant office restore trunk to service.	
L. Listed Directory Number Call—Trunks Arranged For Centrex—Local Completion		
14e	If directing digit or digits are required— Select A, B, and C digits as required for incoming class of trunk under test.	
15	Operate CNTX, CTTL, CDN keys.	
16	Set TERT switch to KM.	
17	Select ringing combination 10.	
18	Momentarily operate ST key.	
19	Momentarily operate LS key.	♦If ETS provided— CS lamp lighted.♦ Ringing tone heard. If test attendant trunk is arranged for console operation— At test console—

STEP	ACTION	VERIFICATION
		CW, TST lamps lighted. If test attendant trunk is arranged for 608A switchboard operation— At MTF— Within 4 seconds— CTX lamp flashes at 60 ipm.
20c	If test attendant trunk is arranged for console operation— At test console— Momentarily operate PA/RLS key.	PA/RLS lamp lighted.
21c	Momentarily operate TST key.	PA/RLS lamp extinguished. Source lamp flashes at 60 ipm. Audible signal sounded.
22c	Momentarily operate Talk Key.	Talk lamp lighted. Source lamp lighted steady. CW lamp extinguished. Audible signal silenced. At MTF— Ringing tone silenced. OGT-CS lamp lighted. Transmission to test console.
23c	At test console— Momentarily operate HOLD key.	Talk lamp flashes at 30 ipm. No transmission to test console.
24c	Momentarily operate Talk key.	Talk lamp lighted steady. Transmission to MTF re-established.
25c	Momentarily operate HOLD key.	Talk lamp flashes at 30 ipm. No transmission to test console.
26c	At MTF— Restore TLK key.	OGT-CS lamp extinguished. In approximately 2 seconds— Source lamp extinguished.
27c	At test console— Momentarily operate PA/RLS key.	
28c	At MTF— Momentarily operate RL key.	All lamps extinguished. At test console— All lamps extinguished.
29d	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Operate CANS key.	CTX lamp extinguished. OGT-CS lamp lighted. Ringing tone silenced.
30d	At telephone in ORT jack— Remove TOUCH-TONE handset.	CTX lamp lighted. Transmission to telephone on MTF.

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STEP	ACTION	VERIFICATION
31d	Restore CANS key.	CTX lamp extinguished.
32d	Momentarily operate RL key.	All lamps extinguished.
33	Restore all keys and switches not required in next test.	
34f	If no further tests are to be performed— At relay rack frame— Remove patching cords from T1, T2 jacks.	
35a	If 17E testboard appearance is provided— Have testboard attendant restore trunk to service at both ends.	
36b	If 17E testboard appearance is not provided— At jack, lamp, and key circuit— Remove plug from OGT-MB jack associated with trunk under test and have distant office restore trunk to service.	
37c	If test attendant trunk is arranged for console operation— At test console— Remove attached cord of test console from CNTX TST CONN T jack.	
38d	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Remove TOUCH-TONE telephone set from ORT jack.	
M. Transfer To an Attendant—Trunks Arranged For Centrex—Local Completion		
14e	If directing digit or digits are required— Select A, B, and C digits as required for incoming class of trunk under test.	
15	Operate CNTX, CTTL, CTX4, CTL2, keys.	
16	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
17	Momentarily operate LS key.	◆If ETS provided— CS lamp lighted.◆ SLV lamp may light momentarily. TS2 lamp lighted. R- lamp flashes. Ringing tone heard in unison with R- lamp flashes.

STEP	ACTION	VERIFICATION
18	Operate ANS key.	OGT-CS lamp lighted. R- lamp extinguished. High tone heard.
19	Operate CTX2 key.	High tone silenced.
20	After 3 seconds— Restore TLK key for approximately 1 second.	TS2 lamp may flash. Ringing tone heard. If test attendant trunk is arranged for console operation— At test console— CW, TST lamps lighted. If test attendant trunk is arranged for 608A switchboard operation— At MTF— CTX lamp flashes at 120 ipm.
21c	If test attendant trunk is arranged for console operation— At test console— Momentarily operate PA/RLS key.	PA/RLS lamp lighted.
22c	Momentarily operate TST key.	Destination lamp lighted. PA/RLS lamp extinguished. Audible signal sounded. Source lamp flashes at 120 ipm.
23c	Momentarily operate Talk key.	Talk lamp lighted. CW lamp extinguished. Source lamp lighted steady. Audible signal silenced. At MTF— Ringing tone silenced. Transmission to test console.
24c	Restore CTX2 key.	High tone heard.
25c	Restore ANS key.	High tone silenced. After 2 seconds— TS2 lamp extinguished.
26c	Restore TLK key.	OGT-CS lamp extinguished.
27c	At test console— Momentarily operate PA/RLS key.	All lamps extinguished. At test console— All lamps extinguished.
28c	At MTF— Momentarily operate RL key.	All lamps extinguished. At test console— All lamps extinguished.
29d	If test attendant trunk is arranged for 608A switchboard operation—	CTX lamp extinguished. Ringing tone silenced.

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STEP	ACTION	VERIFICATION
	At MTF— Operate CANS key.	
30d	At telephone in ORT jack— Remove TOUCH-TONE handset.	CTX lamp lighted. Transmission to telephone on MTF.
31d	Restore CTX1 key.	Transmission to telephone on MTF.
32d	Replace TOUCH-TONE handset.	CTX lamp extinguished.
33d	Restore ANS key.	After 2 seconds— TS2 lamp extinguished.
34d	Restore TLK key.	OGT-CS lamp extinguished.
35d	Restore CANS key.	
36d	Momentarily operate RL key.	All lamps extinguished.
37	Restore all keys and switches not required in next test.	
38f	If no further tests are to be performed— At relay rack frame— Remove patching cords from T1, T2 jacks.	
39a	If 17E testboard appearance is provided— Have testboard attendant restore trunk to service at both ends.	
40b	If 17E testboard appearance is not provided— At jack, lamp, and key circuit— Remove plug from OGT-MB jack associated with trunk under test and have distant office restore trunk to service.	
41c	If test attendant trunk is arranged for console operation— At test console— Remove attached cord of test console from CNTX TST CONN T jack.	
42d	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Remove TOUCH-TONE telephone set from ORT jack.	

STEP	ACTION	VERIFICATION
N. Attendant Start-In Call—Trunks Arranged For Centrex—Local Completion		
14e	If directing digit or digits are required— Select A, B, and C digits as required for incoming class of trunk under test.	
15	Operate CNTX, CTTL, CDN, TRF keys.	CDN, TRF lamps lighted.
16	Set TERT switch to KM.	
17	Operate A- through L- as required for LDN.	
18	Momentarily operate ST key.	
19	Momentarily operate LS key.	◆If ETS provided— CS lamp lighted.◆ Ringing tne heard. If test attendant trunk is arranged for console operation— At test console— CW, TST lamps lighted. If test attendant trunk is arranged for 608A switchboard operation— At MTF— Within 4 seconds— CTX lamp flashes at 60 ipm.
20c	If test attendant trunk is arranged for console operation— At test console— Momentarily operate PA/RLS key.	PA/RLS lamp lighted.
21c	Momentarily operate TST key.	PA/RLS lamp extinguished. Source lamp flashes at 60 ipm. Audible signal sounded.
22c	Momentarily operate Talk key.	Talk lamp lighted. Source lamp lighted steady. CW lamp extinguished. Audible signal silenced. At MTF— Ringing tone silenced. OGT-CS lamp lighted. Transmission to test console.
23c	At test console— After 5 seconds— Momentarily operate STI key.	Dial tone heard. If RDY lamp is provided— RDY lamp lighted.
24c	Dial 4 or 5 digits as required for centrex terminating test line 1 (A).	

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STEP	ACTION	VERIFICATION
25c	Momentarily operate END key.	Destination lamp flashes at 30 ipm. Ringing tone heard. If RDY lamp is provided— RDY lamp extinguished. At MTF— TS lamp lighted. R- lamp flashes. Ringing tone heard.
26c	Operate ANS key.	R- lamp extinguished. Ringing tone silenced. High tone heard. At test console— Destination lamp lighted steady. Ringing tone silenced. High tone heard.
27c	Momentarily operate PA/RLS key.	High tone silenced. After 2 seconds— All lamps extinguished.
28c	At MTF— Momentarily operate RL key.	All lamps extinguished.
29d	If test attendant trunk is arranged for 608A switchboard operation— Operate CANS key.	CTX lamp extinguished. OGT-CS lamp lighted. Ringing tone silenced.
30d	At telephone in ORT jack— Remove TOUCH-TONE handset.	CTX lamp lighted. Transmission to telephone on MTF.
31d	At MTF— After 5 seconds— Operate STI key.	RDY lamp lighted. CTX lamp extinguished. Dial tone heard at TOUCH-TONE handset.
32d	At telephone in ORT jack— Dial 4 of 5 digits as required for centrex terminating test line 1 (A).	TS lamp lighted. R- lamp flashes. RDY lamp extinguished. Ringing tone heard at MTF headset.
33d	Replace TOUCH-TONE handset.	
34d	At MTF— Restore STI key.	CTX lamp flashes at 30 ipm.
35d	At telephone in ORT jack— Remove TOUCH-TONE handset.	Ringing tone heard at TOUCH-TONE handset. CTX lamp lighted steady.
36d	Replace TOUCH-TONE handset.	CTX lamp flashes at 30 ipm.
37d	At MTF— Operate ANS key.	Within 2 seconds— CTX lamp lighted steady.

STEP	ACTION	VERIFICATION
		R- lamp extinguished. High tone heard at MTF.
38d	At telephone in ORT jack— Remove TOUCH-TONE handset.	High tone heard at TOUCH-TONE handset.
39d	Replace TOUCH-TONE handset.	
40d	At MTF— Operate RD key until CTX lamp extinguishes.	CTX lamp extinguished while RD key operated. TS lamp extinguished. High tone silenced.
41d	At telephone in ORT jack— Remove TOUCH-TONE handset.	Transmission to telephone set on MTF.
42d	Replace TOUCH-TONE handset.	
43d	At MTF— Restore CANS key.	CTX lamp extinguished.
44d	Momentarily operate RL key.	All lamps extinguished.
45	Restore all keys and switches not required in next test.	
46f	If no further tests are to be performed— At relay rack frame— Remove patching cords from T1, T2 jacks.	
47a	If 17E testboard appearance is provided— Have testboard attendant restore trunk to service at both ends.	
48b	If 17E testboard appearance is not provided— At jack, lamp, and key circuit— Remove plug from OGT-MB jack associated with trunk under test and have distant office restore trunk to service.	
49c	If test attendant trunk is arranged for console operation— At test console— Remove attached cord of test console from CNTX TST CONN T jack.	
50d	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Remove TOUCH-TONE telephone set from ORT jack.	

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STEP	ACTION	VERIFICATION
O. Don't Answer Transfer—Trunks Arranged For Centrex—Local Completion		
14e	If directing digit or digits are required— Select A, B, and C digits as required for incoming class of trunk under test.	
15	Operate TERT switch to DAT position.	
16	Operate CNTX, CTTL, CTX4, CTL2 keys.	
17	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
18	Momentarily operate LS key.	<p>◆If ETS provided— CS lamp lighted.◆ SLV lamp may light momentarily. TS2 lamp lighted. R- lamp flashes. Ringing tone heard in unison with R- lamp flashes.</p> <p>Note: Determine from office records ringing time interval for which office is arranged. (15, 30, 45, or 60 seconds).</p> <p>If interrupter has been seized just prior to test call seizure— Timing interval could be as much as twice the above listed timing intervals. When ringing time interval is exceeded— TS2, R- lamps extinguished.</p> <p>If test attendant trunk is arranged for console operation— At test console— CW, TST lamps lighted.</p> <p>If test attendant trunk is arranged for 608A switchboard operation— At MTF— CTX lamp flashes at 60 ipm.</p>
19c	If test attendant trunk is arranged for console operation— At test console— Momentarily operate PA/RLS key.	PA/RLS lamp lighted.
20c	Operate TST key approximately 1 second.	PA/RLS lamp extinguished. Source lamp flashes at 60 ipm. Audible signal sounded.
21c	Momentarily operate Talk key associated with flashing Source lamp.	Talk lamp lighted. Source lamp lighted steady. CW lamp extinguished.

STEP	ACTION	VERIFICATION
		Audible signal silenced. At MTF— Ringing tone silenced. OGT-CS lamp lighted. Transmission established between MTF and test console.
22c	Restore TLK key.	OGT-CS lamp extinguished. No transmission between MTF and test console.
23c	At test console— Momentarily operate PA/RLS key.	Talk, Source lamps extinguished.
24d	If test attendant trunk is arranged for 608A switchboard operation— Operate CANS key.	CTX lamp extinguished. OGT-CS lamp lighted. Ringing tone silenced.
25d	At telephone in ORT jack— Remove TOUCH-TONE handset.	CTX lamp lighted. Transmission established between handset at ORT jack and MTF.
26d	Restore CANS key.	CTX lamp extinguished.
27	Momentarily operate RL key.	All lamps extinguished.
28	Restore all keys and switches not required in next test.	
29f	If no further tests are to be performed— At relay rack frame— Remove patching cords from T1, T2 jacks.	
30a	If 17E testboard appearance is provided— Have testboard attendant restore trunk to service at both ends.	
31b	If 17E testboard appearance is not provided— At jack, lamp, and key circuit— Remove plug from OGT-MB jack associated with trunk under test and have distant office restore trunk to service.	
32c	If test attendant trunk is arranged for console operation— At test console— Remove attached cord of test console from CNTX TST CONN T jack.	
33d	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Remove telephone set from ORT jack.	

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STEP	ACTION	VERIFICATION
P. Attendant Signal Source—Trunks Arranged For Centrex—Local Completion		
14e	If directing digit or digits are required.- Select A, B, and C digits as required for incoming class of trunk under test.	
15	Operate CNTX, CTTL, TRF, CDN keys.	CDN, TRF lamps lighted.
16	Set TERT switch to KM.	
17	Select ringing combination 10.	
18	Momentarily operate ST key.	
19	Momentarily operate LS key.	◆If ETS provided— CS lamp lighted.◆ Ringing tone heard. If test attendant trunk is arranged for console operation— At test console— CW, TST lamps lighted. If test attendant trunk is arranged for 608A switchboard operation— At MTF— Within 4 seconds— CTX lamp flashes at 60 ipm.
20c	If test attendant trunk is arranged for console operation— At test console— Momentarily operate PA/RLS key.	PA/RLS lamp lighted.
21c	Momentarily operate TST key.	PA/RLS lamp extinguished. Source lamp flashes at 60 ipm. Audible signal sounded.
22c	Momentarily operate Talk key.	Talk lamp lighted. Source lamp lighted steady. Audible signal silenced. CW lamp extinguished. At MTF— Ringing tone silenced. OGT-CS lamp lighted. Transmission to test console.
23c	At test console— Momentarily operate SIG SRC key 4 or 5 times.	At MTF— OGT-CS lamp flashes in unison with operation and release of SIG SRC key.
24c	At test console— Momentarily operate PA/RLS key.	Talk, Source lamps extinguished.

STEP	ACTION	VERIFICATION
25d	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Operate CANS key.	CTX lamp extinguished. OGT-CS lamp lighted. Ringing tone silenced.
26d	At telephone in ORT jack— Remove TOUCH-TONE handset.	CTX lamp lighted. Transmission to telephone on MTF.
27d	At MTF— Momentarily operate RB key 4 or 5 times.	OGT-CS lamp flashes in unison with operation and release of RB key.
28d	Restore CANS key.	CTX lamp extinguished.
29	Momentarily operate RL key.	All lamps extinguished.
30	Restore all keys and switches not required in next test.	
31f	If no further tests are to be performed— At relay rack frame— Remove patching cords from T1, T2 jacks.	
32a	If 17E testboard appearance is provided— Have testboard attendant restore trunk to service at both ends.	
33b	If 17E testboard appearance is not provided— At jack, lamp, and key circuit— Remove plug from OGT-MB jack associated with trunk under test and have distant office restore trunk to service.	
34c	If test attendant trunk is arranged for console operation— At test console— Remove attached cord of test console from CNTX TST CONN T jack.	
35d	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Remove telephone set from ORT jack.	

Q. Cancel Transfer On No Answer from Station or Attendant

Transfer To Station

- 13d If directing digit or digits are required—
Select A, B, and C digits as required for incoming class of trunk under test.

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STEP	ACTION	VERIFICATION
14	Set TERT switch to KM.	
15	Operate CNTX, CTTL keys.	
16	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
17	Momentarily operate LS key.	◆If ETS provided— CS lamp lighted.◆ SLV lamp may light momentarily. TS lamp lighted. R- lamp flashes. Ringing tone heard in unison with R- lamp flashes.
18	Operate ANS key.	OGT-CS lamp lighed. R- lamp extinguished. High tone heard.
19	Operate CTX1 key.	High tone silenced.
20	Restore ANS key.	
21	Operate CTX4 key.	
22	Momentarily restore TLK key.	TS lamp may flash momentarily. Dial tone heard.
23	Dial number assigned to centrex terminating test line 2.	TS2 lamp lighted. R- lamp flashes. Ringing tone heard in unison with R- lamp flashes.
24	Restore CTX1 key.	Ringing tone silenced.
25	Operate CTX1 key.	Ringing tone heard.
26	Momentarily restore TLK key.	TS2, R- lamps extinguished. Ringing tone silenced.
27	Operate ANS key.	
28	Restore CTX1, CTX4 keys.	High tone heard.
29	Momentarily operate RL key.	All lamps extinguished.

Transfer To an Attendant

- 30d If directing digit or digits are required—
Select A, B, and C digits as required for incoming class of trunk under test.

STEP	ACTION	VERIFICATION
31	Operate CNTX, CTTL, CTX4, CTL2 keys.	
32	Momentarily operate ST key.	OGT-CS lamp lighted momentarily.
33	Momentarily operate LS key.	♦If ETS provided— CS lamp lighted.♦ SLV lamp may light momentarily. TS2 lamp lighted. R- lamp flashes. Ringing tone heard in unison with R- lamp flashes.
34	Operate ANS key.	OGT-CS lamp lighted. R- lamp extinguished. High tone heard.
35	Operate CTX2 key.	High tone silenced.
36	After 3 seconds— Momentarily restore TLK key.	TS2 lamp may flash. Ringing tone heard. If test attendant trunk is arranged for console operation— At test console— CW, TST lamps lighted. If test attendant trunk is arranged for 608A switchboard operation— At MTF— CTX lamp flashes at 120 ipm.
37	Restore CTX2 key.	Ringing tone silenced.
38	Momentarily restore ANS key.	High tone heard. If test attendant trunk is arranged for console operation— At test console— CW, TST lamps extinguished. If test attendant trunk is arranged for 608A switchboard operation— At MTF— CTX lamp extinguished.
39	Momentarily operate RL key.	All lamps extinguished.
All Tests		
40	Restore all keys and switches not required in next test.	
41e	If no further tests are to be performed— At relay rack frame— Remove patching cords from T1, T2 jacks.	

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STEP	ACTION	VERIFICATION
42a	If 17E testboard appearance is provided— Have testboard attendant restore trunk to service at both ends.	
43b	If 17E testboard appearance is not provided— At jack, lamp, and key circuit— Remove plug from OGT-MB jack associated with trunk under test and have distant office restore trunk to service.	
44c	If test attendant trunk is arranged for console operation— Remove attached cord of test console from CNTX TST CONN T jack.	
R. Trunk Seizure and Release—Outgoing Tandem		
28	Select subclass of test (TAN or TOL) corresponding to trunk class assigned to trunk under test.	
29g	If TOL subclass of test is selected and IC_ keys are provided in SD-25800-01— Operate TOL-RB key.	
30	Momentarily operate ST key.	♦If CDTT key is operated— S1 lamp lighted.♦ If LAMA-C provided— S1 lamp lighted. If ETS provided— FT, S1 lamps lighted. AS, E lamps lighted.
31	Operate ANS key.	♦If CDTT key is operated— CS lamp lighted.♦ If ETS or LAMA-C provided— CS lamp lighted. High tone heard. OGT-CS lamp lighted.
32	Restore TLK key.	♦If CDTT key is operated— S1, CS lamps extinguished♦ If LAMA-C provided— CS, S1 lamps extinguished. If ETS provided— FT, S1, CS lamps extinguished. OGT-CS, AS, E lamps extinguished.
33	Momentarily operate RL key.	All lamps extinguished.
34	Restore all keys and switches not required in next test.	

STEP	ACTION	VERIFICATION
S. Supervision—Terminating End Disconnect—Outgoing Tandem		
28	Select subclass of test (TAN or TOL) corresponding to trunk class assigned to trunk under test.	
29g	If TOL subclass of test is selected and IC_ keys are provided in SD-25800-01— Operate TOL-RB key.	
30	Momentarily operate ST key.	◆If CDTT key is operated— S1 lamp lighted.◆ If LAMA-C provided— S1 lamp lighted. If ETS provided— FT, S1 lamps lighted. AS, E lamps lighted.
31	Operate ANS key.	◆If CDTT key is operated— CS lamp lighted.◆ If ETS or LAMA-C provided— CS lamp lighted. OGT-CS lamp lighted. High tone heard.
32	Restore ANS key, <i>start timing</i> .	◆If CDTT key is operated— CS lamp extinguished.◆ If ETS or LAMA-C provided— CS lamp extinguished. E, OGT-CS lamps extinguished After 34 seconds— AS lamp remains lighted.
33	Momentarily operate RL key.	All lamps extinguished.
34	Restore all keys and switches not required in next test.	
T. Charge and Noncharge Supervision—Local Originating Outgoing		
28g	If traffic sampling on a customer group basis is provided— Operate SMPL key.	
29h	If traffic sampling on a trunk group basis is provided— Operate SA key.	
30	Momentarily operate ST key.	◆If CDTT key is operated— S1 lamp lighted.◆

STEP	ACTION	VERIFICATION
31	Operate ANS key, <i>start timing</i> .	If ETS provided— FT, S1 lamps lighted. AS, E lamps lighted. If answer and disconnect supervision is provided— PK lamp lighted. If class of service is AMA or traffic sampling is provided and LAMA-C, ♦CDT,♦ or ETS not provided— IE, T, U, RN lamps lighted. If LAMA-C provided— S1 lamp lighted.
31		♦If CDTT key is operated— CS lamp lighted.♦ High tone heard. If answer and disconnect supervision is provided— PK lamp extinguished. If ETS or LAMA-C provided— CS lamp lighted. If class of service is AMA or traffic sampling is provided and LAMA-C, ♦CDT,♦ or ETS not provided— In 2 to 3 seconds— AE lamp lighted.
32	Restore TLK key.	♦If CDTT key is operated— S1, CS lamps extinguished♦ High tone silenced. AS lamp extinguished. If class of service is AMA or traffic sampling is provided and LAMA-C, ♦CDT,♦ or ETS not provided— DE lamp lighted. If ETS provided— FT, S1, CS lamps extinguished. If LAMA-C provided— S1, CS lamps extinguished.
33	Restore ANS key.	E lamp extinguished.
34	Momentarily operate RL key.	All lamps extinguished.
35i	If class of service is AMA or traffic sampling is provided— Operate TLK key.	
36i	Momentarily operate ST key.	♦If CDTT key is operated— S1 lamp lighted.♦ If ETS provided— FT, S1 lamps lighted.

STEP	ACTION	VERIFICATION
37i	Operate ANS key for 3 seconds maximum, <i>start timing</i> .	If LAMA-C provided— S1 lamp lighted. AS, E, lamps lighted. If answer and disconnect supervision is provided— PK lamp extinguished. If LAMA-C, ♦CDT,♦ or ETS not provided— IE, T, U, RN_ lamps lighted.
38i	Momentarily operate RL key.	While ANS key is operated— High tone heard. If LAMA-C or ETS not provided— AE lamp not lighted. If LAMA-C or ETS provided ♦or CDTT key is operated♦ — CS lamp lighted while ANS key operated.
39	Restore all keys and switches not required in next test.	All lamps extinguished.

U. Supervision—Terminating End Disconnect—Local Originating Outgoing

Note: Do not make this test until trunk has been idle for a minimum of 2 minutes.

28g	If traffic sampling on a customer group basis is provided— Operate SMPL key.	
29h	If traffic sampling on a trunk group basis is provided— Operate SA key.	
30	Momentarily operate ST key.	♦If CDTT key is operated— S1 lamp lighted.♦ If ETS provided— FT, S1 lamps lighted. If LAMA-C provided— S1 lamp lighted. AS, E lamps lighted. If answer and disconnect supervision is provided— PK lamp lighted. If class of service is AMA or traffic sampling is provided and LAMA-C, ♦CDT,♦ or ETS not provided— IE, T, U, RN_ lamps lighted.

STEP	ACTION	VERIFICATION
31	Operate ANS key, <i>start timing</i> .	<p>◆If CDTT key is operated— CS lamp lighted.◆ If ETS or LAMA-C provided— CS lamp lighted. High tone heard. If answer and disconnect supervision is provided— PK lamp extinguished. If class of service is AMA or traffic sampling is provided and LAMA-C, ◆CDT,◆ or ETS not provided— In 2 to 3 seconds— AE lamp lighted.</p>
32	Restore ANS key, <i>start timing</i> .	<p>◆If CDTT key is operated— CS lamp extinguished.◆ If ETS or LAMA-C provided— CS lamp extinguished. High tone silenced. In 13 to 32 seconds.— E lamp extinguished. If class of service is AMA or traffic sampling is provided and ETS, ◆CDT,◆ or LAMA-C not provided— DE lamp lighted. If ETS provided— FT, S1 lamps extinguished. If LAMA-C provided— S1 lamp extinguished. ◆If CDTT key is operated— S1 lamp extinguished.◆</p>
33	Momentarily operate RL key.	All lamps extinguished.
34	Restore all keys and switches not required in next test.	

V. Overflow—Local Originating Outgoing

28	Operate ROT key.	
29	Momentarily operate ST key.	<p>◆If CDTT key is operated— S1 lamp lighted.◆ If ETS provided— FT, S1 lamps lighted. If LAMA-C provided— S1 lamp lighted. AS, E lamps lighted. If answer and disconnect supervision is provided—</p>

STEP	ACTION	VERIFICATION
		PK lamp lighted. Overflow tone heard.
30	Momentarily operate RL key.	All lamps extinguished.
31	Restore all keys and switches not required in next test.	
V.1 Call to Test Line		
28	Select MISC class of test.	
29	Select A through J digits, as required, to terminate to test line in distant office.	
30g	If A through F digits are selected— Operate DL3 key.	
31h	If A through J digits are selected— Operate DL6 key.	
32	Momentarily operate ST key.	<p>◆If CDTT key is operated— S1 lamp lighted. If LAMA-C provided— S1 lamp lighted. If ETS provided— FT, S1 lamps lighted. AS lamp lighted. If answer and disconnect supervision is provided— PK lamp lighted. Ringing tone heard. Supervisory lamp flashes. If ETS or LAMA-C provided ◆or CDTT key is operated—◆ CS lamp follows supervisory flashes. Ringing and supervisory signals will vary depending upon type of test line used in distant office. A series of clicks is given by synchronizing types of test line circuits to indicate that cycle of tests has been completed. The signals received on first test will indicate the signals that may be expected on successive tests to same office.</p>
33	Momentarily operate RL key.	All lamps extinguished.
34	Restore all keys and switches not required in next test.	

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STEP	ACTION	VERIFICATION
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V.2 Glare Feature

E Relay Operates in Less Than 40 MS After Marker Seizure

- | | | |
|----|-----------------------------|-------------------------|
| 28 | Operate ANS, GLMN keys. | |
| 29 | Momentarily operate ST key. | TB, GL lamps lighted. |
| 30 | Restore ANS, GLMN keys. | GL lamp extinguished. |
| 31 | Momentarily operate RL key. | All lamps extinguished. |

E Relay Operates in 40 to 100 MS After Marker Seizure

- | | | |
|-----|--|--|
| 32 | Operate GLMN key. | |
| 33 | Momentarily operate ST key. | ♦If CDTT key is operated—
S1 lamp lighted.♦
If LAMA-C provided—
S1 lamp lighted.
If ETS provided—
FT, S1 lamps lighted.
AS lamp lighted.
Overflow tone heard. |
| 34 | Restore TLK key. | ♦If CDTT key is operated—
S1 lamp extinguished.♦
If LAMA-C provided—
S1 lamp extinguished.
If ETS provided—
FT, S1 lamps extinguished.
AS lamp extinguished.
GL lamp lighted. |
| 35 | Momentarily operate RL key. | All lamps extinguished. |
| 36 | Operate TLK key. | |
| 37g | If tandem usage of trunk glare feature is being tested—
Select subclass of test (TAN or TOL) corresponding to trunk class assigned to trunk under test. | |
| 38h | If TOL subclass of test is selected and IC_ keys are provided in SD-25800-01—
Operate TOL-RB key. | |
| 39h | Momentarily operate ST key. | GL lamp lighted. |

STEP	ACTION	VERIFICATION
40h	Momentarily operate RL key.	All lamps extinguished.
41h	Restore subclass of test.	
42	Restore GLMN key.	
E Relay Operates After Marker Glare Timer Operates		
43	Operate GLMX key.	
44	Momentarily operate ST key.	<p>◆If CDTT key is operated— S1 lamp lighted.◆ If LAMA-C provided— S1 lamp lighted. If ETS provided— FT, S1 lamps lighted. AS, CPO lamps lighted.</p>
45	Momentarily operate RL key.	All lamps extinguished.
46g	If tandem usage of trunk glare feature is being tested— Select subclass of test (TAN or TOL) corresponding to trunk class assigned to trunk under test.	
47h	If TOL subclass of test is selected and IC_ keys are provided in SD-25800-01— Operate TOL-RB key.	
48h	Momentarily operate ST key.	<p>◆If CDTT key is operated— S1, CS lamps lighted.◆ If LAMA-C provided— S1, CS lamps lighted. If ETS provided— FT, S1, CS lamps lighted. AS, OGT-CS lamps lighted.</p>
49h	Momentarily operate RL key.	All lamps extinguished.
All Tests		
50	Restore all keys and switches not required in next test.	
W. Sleeve Busy Indication To 17E Testboard		
28	Momentarily operate ST key.	<p>◆If CDTT key is operated— S1, CS lamps lighted.◆ If LAMA-C provided— S1, CS lamps lighted. If ETS provided—</p>

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STEP	ACTION	VERIFICATION
		FT, S1, CS lamps lighted. AS, E lamps lighted. If answer and disconnect supervision is provided— PK lamp lighted.
29	At 17E testboard— Insert plug of telephone headset into position jack.	
30	Operate TALK key of test cord.	
31	Make sleeve busy test.	Trunk test busy.
32	Restore TALK key.	
33	Remove plug of telephone handset from position jack.	
34	At MTF— Momentarily operate RL key.	All lamps extinguished.
35	Restore all keys and switches not required in next test.	
X. Cross Office Lock-Out From 17E Testboard Incoming Through-Switch Call		
11	Select TOL subclass of test.	
12	Select A, B, and C digits assigned to simulated 2-wire trunk (part of SD-25918-01) for through-switched testing.	
13	Operate E-M key.	
14	Momentarily operate ST key.	OGT-CS lamp momentarily lighted.
15	Momentarily operate LS key.	♦If ETS provided— CS lamp lighted.♦ E lamp lighted. SLV lamp may light momentarily.
16	Operate ANS key.	OGT-CS lamp lighted. High tone heard.
17	At testboard— Momentarily operate RST key.	
18	Insert plug of telephone set into position jack.	
19	Operate TALK key of test cord.	

STEP	ACTION	VERIFICATION
20	Insert test cord into jack of trunk under test.	
21	Momentarily operate LOX key.	LO lamp lighted. At relay rack of trunk under test— LO, LO1 relays operated,
22	At MTF— Restore TLK, ANS, keys.	
23	At testboard— Momentarily operate RST key.	LO lamp extinguished. At relay rack of trunk under test— LO, LO1 relays released. At MTF— OGT-CS, E lamps extinguished.
24	Momentarily operate RL key.	All lamps extinguished.
25	At testboard— Remove test cord from jack of trunk under test.	
26	Restore TALK key of test cord.	
27	Remove plug of telephone set from position jack.	
28	Restore all keys and switches not required in next test.	
29	Have testboard attendant restore trunk to service at both end.	
Y. Trunk Busy To Outgoing Calls		
28a	If 17E testboard appearance is provided— At testboard— Insert plug of telephone set into position jack.	
29a	Operate TALK key of test cord.	
30a	Make sleeve busy test.	Trunk tests idle.
31	Insert test cord into TST jack of trunk under test.	
32	Operate LO key.	LO lamp associated with trunk under test lighted. At relay rack of trunk under test— LO1 relay operated.
33	At MTF— Momentarily operate ST key.	◆If CDTT key is operated— S1, CS lamps lighted.◆

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STEP	ACTION	VERIFICATION
		If LAMA-C provided— S1, CS lamps lighted. If ETS provided— FT, S1, CS lamps lighted. AS, E lamps lighted.
34	Momentarily operate RL key.	All lamps extinguished. If ETS provided— FT lamp remains lighted.
35	Restore NTTS and operate TS.	
36	Momentarily operate ST key.	TB lamp lighted.
37	Momentarily operate RL key.	All lamps extinguished. If ETS provided— FT lamp remains lighted.
38	Restore TS and operate NTTS.	
39	Restore NTFS and operate FS.	
40	Momentarily operate ST key.	TB lamp lighted.
41	Momentarily operate RL key.	All lamps extinguished. If ETS provided— FT lamp remains lighted.
42g	If DR relay provided in trunk— At relay rack of trunk under test— Connect ground to terminal strip D terminal 36.	DR relay operated.
43g	At MTF— Momentarily operate ST key.	TB lamp lighted.
44g	Momentarily operate RL key.	All lamps extinguished. If ETS provided— FT lamp remains lighted.
45g	Operate NTTS, NTFS keys.	
46g	Momentarily operate ST key.	TB lamp lighted.
47g	Momentarily operate RL key.	All lamps extinguished. If ETS provided— FT lamp remains lighted.
48g	At relay rack of trunk— Remove ground from terminal strip D terminal 36.	DR relay released.

STEP	ACTION	VERIFICATION
49	Restore all keys and switches not required in next test.	
50a	If 17E testboard appearance is provided— If no further tests are to be performed— At testboard— Restore LO, TALK keys.	If ETS provided— FT lamp extinguished. LO lamp extinguished. At relay rack of trunk under test— LO1 relay released.
51	Remove test cord from jack of trunk under test.	
52	Remove plug of telephone set from position jack.	
53b	If 17E testboard is not provided— At jack, lamp and key circuit— Remove make-busy plug.	If ETS provided— FT lamp extinguished.
Z. False-Busy and False-Idle Conditions (ETS not Provided)		
1	At MTF— Have trunk made busy at distant office.	
2	At relay rack frame— Connect power to 1A fault locator, operate W-T switch to W position and HR-LRT switch to HR position.	Whistle heard.
3	Connect WT jack of fault locator to terminal B45 (FT lead) of terminal strip on unit, using cord equipped with 624B tool.	Whistle not heard.
4	While circuit being tested is idle— Block operated MB relay.	
5a	If 17E testboard appearance is provided— At MTF— Have testboard attendant make-busy all other trunks using same route on same trunk link frame.	At relay rack frame— Whistle heard.
6b	If 17E testboard appearance is not provided— At MTF— Insert make-busy plugs into OGT-MB jacks of all other trunks using same route on same trunk line frame.	At relay rack frame— Whistle heard.
7	Momentarily remove blocking tool from MB relay.	Whistle not heard while blocking tool removed.

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STEP	ACTION	VERIFICATION
8a	If 17E testboard appearance is provided— At MTF— Have testboard attendant remove busy condition applied in Step 5a.	
9b	If 17E testboard appearance is not provided— At MTF— Remove plugs inserted in Step 6b.	
10	At relay rack frame— Connect HRG (high resistance ground) terminal to terminal B55 (F lead) of terminal strip on unit.	
11	Disconnect WT jack of fault locator from terminal B45 (FT lead) and reconnect to terminal B15 (BT lead) of terminal strip on unit.	Whistle heard.
12	Remove blocking tool from MB relay.	Whistle not heard.
13	Remove test connections from terminal strip.	
14	Remove power connection from 1A fault locator (connected in Step 2).	
15	At MTF— Have trunk restored to service at distant office.	