

INTRAOFFICE TRUNK CIRCUIT

SD-27579-01

TESTS USING TRUNK TEST CIRCUIT SD-25918-01

NO. 5 CROSSBAR OFFICES

1. GENERAL		PAGE
1.01	This section describes a method of testing intraoffice trunks for Phase II (nondial and dial transfer) features.	
1.02	This section is reissued to add calling data transmitter (CDT) features to all tests except P. Arrows are used to emphasize the most significant changes. This issue does not affect Equipment Test Lists.	
1.03	The tests covered are:	
	PAGE	
A. Trunk Seizure and Release:		
	The following features are tested: (1) Seizure of trunk. (2) Continuity of originating and terminating sleeve leads. (3) Continuity and polarity of originating tip and ring leads.	4
B. Ringing Features:	This test checks the ability of the trunk to apply all ringing codes and to verify that they are applied to the proper side of the line and are of the correct polarity.	9
C. Pretrip and Trip:	This test checks the operation of the trip relay.	10
D. Supervision—Originating and Terminating Ends Disconnect:	This test checks the charge functions and release of the trunk without using a timed release.	12
E. Supervision—Originating End Disconnect:	The following features are tested: (1) Charge functions. (2) Ability to hold if extra digits are dialed into trunk. (3) Timed release of trunk in 13 to 32 seconds, where provided.	15
F. Supervision—Terminating End Disconnect:	This test checks the charge functions and, where provided, the timed release in 13 to 32 seconds of the trunk when only the terminating end disconnects.	18
G. Noncharge Supervision:	This test checks that a charge condition is not established when an answered call is held less than 2 seconds if this feature is provided.	20
H. Universal Pad Control:	This test checks the operation of the PCA and PCB relays in the trunk circuit.	22
I. Trunk Busy:	This test checks that only a test call can complete to an idle made-busy trunk. It also checks that a service call can complete to an idle trunk.	24
NON DIAL TRANSFER		
J. Listed Directory Number Call:	The following features are tested: (1) Completion to attendant with required supervision. (2) Answer entry (if AMA)	

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	PAGE
and supervision initiated by attendant. (3) Release.	25
K. Transfer With Start-in Call: The following features are tested: (1) Completion to a centrex line. (2) Transfer of call to an attendant by centrex line, with required supervision to attendant. (3) Release of destination. (4) Completion of start-in call by attendant.	27
L. Don't Answer Transfer: This test checks for automatic transfer to an attendant when an incoming call is not answered within a specified time.	31
M. All Attendant Trunks Busy on Transfer Call: This test checks the ability of the trunk to return and remove 120-ipm tone to the called customer when all attendant trunks are busy on a transfer call.	33
N. No Register Available: This test checks the ability of the trunk to hold a transmission path when the attendant recognizes a no-register-available condition.	34
O. Line-Busy and Overflow: The following features are tested: (1) That 60-ipm tone and flashes are returned to the attendant on a line-busy condition. (2) That 120-ipm tone and flashes are returned to the attendant on an overflow condition.	36
P. Class-of-Service Registration: This test checks the ability of the CT_ CU_ relays in trunk to operate and lock as required.	38
Q. Cancel Transfer: This test checks the ability of the timer to cancel the transfer ability of the trunk after the called party disconnects.	39

DIAL TRANSFER

	PAGE
R. Listed Directory Number Call: The following features are tested: (1) Completion to attendant with required supervision. (2) Answer entry (if AMA) and supervision initiated by attendant. (3) Release.	40
S. Station-to-Station Transfer: This test checks the ability of a centrex customer to transfer an incoming call to another station within the customer group.	42
T. Station Retransfer to Station: The following features are tested: (1) Centrex station seizes transfer register and receives dial tone on retransfer call. (2) Calling station excluded from dial tone. (3) Centrex station completes retransfer to second station. (4) Calling customer excluded from conversation. (5) Retransferring station disconnects.	45
U. Transfer With Start-in Call: The following features are tested: (1) Completion to a centrex line. (2) Transfer of call to an attendant with required supervision. (3) Release of destination. (4) Completion of start-in call by attendant.	46
V. Station Retransfer to Attendant: The following features are tested: (1) Completion of retransfer call from transferred-to station to an attendant. (2) Calling station excluded. (3) Release forward. (4) Completion of start-in call. (5) Calling station excluded. (6) Simultaneous disconnect.	50
W. Don't Answer Transfer: This test checks for automatic transfer to an attendant when an incoming call is not answered within a specified time.	55
X. All Attendant Trunks Busy on Transfer Call: This test checks the ability of the trunk on a transfer call to an attendant to return	

	PAGE
and remove 120-ipm tone to the called station when all attendant trunks are busy.	57
Y. Transferred-to Station Transfer to Attendant—All Attendant Trunks Busy: This test checks the ability of the trunk, on a retransfer call to an attendant, to return 120-ipm tone to the transferred-to station when all attendant trunks are busy.	58
Z. Transferred-to Station Dials Busy Station: The following features are tested: (1) Return of line-busy tone to transferred-to station. (2) Transmission restored between calling station and transferred-to station after "flash-off".	60
AA. Cancel Transfer Request and Abandoned Call: The following features are tested: (1) Ability of the trunk to cancel a transfer request. (2) Called station abandons call after transfer request.	62
AB. Transfer Request—All Transfer Trunks Busy: This test checks the ability of the trunk to cancel a transfer request when all transfer trunks are busy.	63
AC. Class-of-Service Registration: This test checks the ability of the CT_ and CU_ relays to operate and lock as required.	64
AD. Cancel Transfer: This test checks the ability of the timer to cancel the transfer ability of the trunk after the called party disconnects.	65
1.04 Tests H and N require action and verification at the relay rack frame.	
1.05 During tests P and AC, traffic register (TRE) will operate.	
1.06 Lettered Steps: 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.

1.07 The manner of selecting some circuits and tests 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 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.

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

1.09 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.

1.10 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.

SECTION 218-331-501

1.11 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.

1.12 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.

1.13 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

All Tests

- 2.01 Master test control circuit, SD-25800-01.
- 2.02 Trunk test circuit, SD-25918-01.

Tests A, D Through G, Q, S Through AD

- 2.03 KS-3008 stopwatch or equivalent.

Tests N and AB

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

3. PREPARATION

Note: Refer to paragraphs 1.06 through 1.13.

4. METHOD

STEP	ACTION	VERIFICATION
A. Trunk Seizure and Release		
32	Operate TLK key.	

Tests J Through O, R, U, V, and W — If 608A Test Attendant Trunk is Provided.

- 2.05 1014A dial hand test set (handset), equipped with 2W38A cord assembly consisting of W2CK cord, 310 plug, and 471A jack.

Tests J, K, L, N, O, Q, R, U, V and W — If Console Test Attendant Trunk is Provided.

- 2.06 Test console, 1B-type, equipped with a D-75B-61 cord which has a KS-16409, L19 connector unit.
- 2.07 53-type head telephone set or equivalent.

Tests K, O, U and V — If 608A Test Attendant Trunk is Provided.

- 2.08 Test circuit for register and CAMA sender circuits, SD-25988-01.
- 2.09 Test set circuit for register and CAMA sender circuits (test set), SD-25676-01.
- 2.10 Testing cord, 20-conductor cord, 6 feet long, equipped with one KS-13875 plug and one KS-13895 plug (W20C cord) (for connecting IRT jack of test set to IRT jack of incoming register and CAMA sender circuit).

Tests X and Y

- 2.11 322A (make-busy) plugs as required.

STEP	ACTION	TESTS														
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	At MTF— Restore all keys and switches.	X	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	X
3	Select digits required to direct call to type of trunk under test.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4a	If trunk under test is arranged for flat rate, message register, AMA, or coin operation— Operate TTL key.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5b	If KAMA key is provided and AMA features are not being tested— Operate KAMA key.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6c	If trunk under tests is arranged for data service, message timing, or data flat rate operation— Select numerical digits assigned to data terminating test line.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	Operate KRC key.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8d	If centrex features or centrex intracustomer groups are being tested— Operate CNTX, CTTL keys.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9e	If ETS provided— Operate PCS and PTS keys.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	Select marker.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	Select route advance.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	Select A appearance of trunk under test.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13	Operate FS, TS keys.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14	Select a class of service and rate treatment, if required, having access to trunk under test.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15	Select IAO class of test.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16	Select ringing combination as required.	X	X	X	X	X	X	X	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	X	X	X	X	X	X
18	Operate GPA/GPB key when trunk is in an allotted trunk group.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

SECTION 218-331-501

STEP	ACTION	TESTS															
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
19f	If tens block screening is provided— Set TERT switch as required.	X	X	X	X	X	X	X	X	X	X	X	—	X	X	X	
20g	If test attendant trunk is arranged for console operation— At test console— Operate TST CNSL key.	—	—	—	—	—	—	—	—	—	X	X	X	—	X	X	
21g	Plug attached cord of test console into CNTX TST CONN T jack.	—	—	—	—	—	—	—	—	—	X	X	X	—	X	X	
22g	Plug head telephone set into operator telephone jack.	—	—	—	—	—	—	—	—	—	X	X	X	—	X	X	
23h	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Patch handset to ORT jack. (Check that switch of handset is on MON.)	—	—	—	—	—	—	—	—	—	X	X	X	—	X	X	
24h	Set MF switch to MAX L.	—	—	—	—	—	—	—	—	—	—	X	—	—	—	X	
25h	At test set— Patch IRT jack of test set to IRT jack of test circuit for register and CAMA sender circuit	—	—	—	—	—	—	—	—	—	—	X	—	—	—	X	
26h	Operate MF key.	—	—	—	—	—	—	—	—	—	—	X	—	—	—	X	
27h	Set L switch to OFF.	—	—	—	—	—	—	—	—	—	—	X	—	—	—	X	
28i	◆If trunk is to be tested for CDT— Operate CDTT key.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
29i	When trunk is assigned to CDT dual controllers, select controller— Operate CDC 0/1 key.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
30i	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	X	X	X	X	X	X	
31i	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. Note: 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	X	X	X	X	X	X	

PROCEED TO METHOD —OMIT STEP

STEP	ACTION	TESTS															
		P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	
1	At MTF— Restore all keys and switches.	X	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	X	
3	Select digits required to direct call to type of trunk under test.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4a	If trunk under test is arranged for flat rate, message register, AMA, or coin operation— Operate TTL key.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
5b	If KAMA key is provided and AMA features are not being tested— Operate KAMA key.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
6c	If trunk under test is arranged for data service, message timing, or data flat rate operation— Select numerical digits assigned to data terminating test line.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
7	Operate KRC key.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8d	If centrex features or centrex intracustomer groups are being tested— Operate CNTX, CTTL keys.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
9e	If ETS provided— Operate PCS and PTS keys.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10	Select marker.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11	Select route advance.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12	Select A appearance of trunk under test.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13	Operate FS, TS keys.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14	Select a class of service and rate treatment, if required, having access to trunk under test.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15	Select IAO class of test.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16	Select ringing combination as required.	X	X	X	X	X	X	X	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	X	X	X	X	X	X	
18	Operate GPA/GPB key when trunk is in an allotted trunk group.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

SECTION 218-331-501

STEP	ACTION	TESTS														
		P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
19f	If tens block screening is provided— Set TERT switch as required.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20g	If test attendant trunk is arranged for console operation— At test console— Operate TST CNSL key.		X	X	—	—	X	X	X	—	—	—	—	—	—	—
21g	Plug attached cord of test console into CNTX TST CONN T jack.		X	X	—	—	X	X	X	—	—	—	—	—	—	—
22g	Plug head telephone set into operator telephone jack.		X	X	—	—	X	X	X	—	—	—	—	—	—	—
23h	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Patch handset to ORT jack (Check that switch of handset is on MON.)		—	X	—	—	X	X	X	—	—	—	—	—	—	—
24h	Set MF switch to MAX L.		—	—	—	—	X	—	—	—	—	—	—	—	—	—
25h	At test set— Patch IRT jack of test set to IRT jack of test circuit for register and CAMA sender circuit.		—	—	—	—	X	—	—	—	—	—	—	—	—	—
26h	Operate MF key.		—	—	—	—	X	—	—	—	—	—	—	—	—	—
27h	Set L switch to OFF.		—	—	—	—	X	—	—	—	—	—	—	—	—	—
28i	◆If trunk is to be tested for CDT— Operate CDTT key.		X	X	X	X	X	X	X	X	X	X	X	X	X	X
29i	When trunk is assigned to CDT dual controllers, select controller— Operate CDC 0/1 key.		X	X	X	X	X	X	X	X	X	X	X	X	X	X
30i	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	X	X	X	X	X
31i	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. Note: 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	X	X	X	X	X

PROCEED TO METHOD — OMIT STEP

STEP	ACTION	VERIFICATION
33	Momentarily operate ST key.	◆If CDTT key is operated— S1 lamp lighted.◆ AS, TS lamps lighted. Ringing tone heard. If answer and disconnect supervision is provided— PK lamp lighted. If ETS provided— FT, S1 lamps lighted. If LAMA-C provided— S1 lamp lighted.
34	Operate ANS key; <i>start timing</i> .	◆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. After 38 seconds— AS, TS lamps remain lighted.
35	Restore TLK, ANS keys.	◆If CDTT key is operated— S1, CS lamps extinguished.◆ AS, TS lamps extinguished. High tone silenced. If answer and disconnect supervision is provided— PK lamp lighted. If ETS provided— FT, CS, S1 lamps extinguished. If LAMA-C provided— CS, S1 lamps extinguished.
36	Momentarily operate RL key.	All lamps extinguished.
37	Restore all keys and switches not required in next test.	
B. Ringing Features		
32	Operate TLK key.	
33	Select ringing combination to be applied to terminating test line. (Refer to Table A.)	
34	Momentarily operate ST key.	◆If CDTT key is operated— S1 lamp lighted.◆ AS, TS lamps lighted. Ringing detection lamps function as shown in Table A.

SECTION 218-331-501

STEP	ACTION	VERIFICATION
		Ringing tone heard. If answer and disconnect supervision is provided— PK lamp lighted. If ETS provided— FT, S1 lamps lighted. If LAMA-C provided— S1 lamp lighted.
35	Momentarily operate RL key.	All lamps extinguished. Ringing tone silenced.
36	Restore TLK key.	
37	Repeat Steps 33 through 35 for each type of ringing provided.	
38	Restore all keys and switches not required in next test.	

C. Pretrip and Trip

32	Operate TLK key.	
33	Select code 1 ringing.	
34	Momentarily operate ST key.	♦If CDTT key is operated— S1 lamp lighted.♦ AS, TS lamps lighted. R- lamp flashes once every 6 seconds. Ringing tone heard in unison with R- lamp flashes. If ETS provided— FT, S1 lamps lighted. If LAMA-C provided— S1 lamp lighted. If answer and disconnect supervision is provided— PK lamp lighted.
35	During silent interval of ringing cycle— Operate PTP key and hold for approximately 1/2 second.	R- lamp continues to flash.
36	During silent interval of ringing cycle— Operate TRP key and hold for approximately 1/2 second if trunk test circuit has 1500-ohm test resistance, or 1 second if it has a 1622-ohm test resistance.	♦If CDTT key is operated— S1 lamp extinguished.♦ R- lamp extinguished. Ringing tone silenced. If trunk under test is data message timing— AS, TS lamps extinguished. If ETS provided— FT, S1 lamps extinguished.

TABLE A — RINGING CODE CHECK CHART

RINGING COMB. OTRC, RC- KEYS OR RCT1 KEY & RCU- SWITCH	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									
		R—		Continuous	█	█	█	█	█	█	█	█	█
3*	0,3	R+		Code 2+									
		R—		Code 1 Gen									
		R—		Code 3 Gen									
4	0,4	R+		Code 3+	█	█							
		R—		Code 4 Gen									
		R—		Code 1 HV									
5*	0,5	R—		Code 2 Gen									
		R—		Code 5 Gen									
		§†		—48 Ring, Grd Tip	█	█	█	█	█	█	█	█	
6	0,7	§†		—48 Ring, Grd Tip	█	█	█	█	█	█	█		
		R+		Code 1+									
		R—		Code 2 Gen									
7*	1,7	T—§		—48 Tip, Grd Ring	█	█	█	█	█	█	█		
		T+		Code 1+									
		T—		Code 2 Gen									
8*	0,8	R—		Code 1 Gen									Free Line
		R+		Code 2+									
9	1,8	T—		Code 1 Gen									Free Line
		T+		Code 2+									
10‡	0,6	R—		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									
14*	1,4	T+		Code 3+	█	█							
		T—		Code 4 Gen									
		T—		Code 1 HV									
15	1,5	T—		Code 2 Gen									
		T—		Code 5 Gen									
		T—§		—48 Tip, Grd Ring	█	█	█	█	█	█	█	█	

*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
		If LAMA-C provided— S1 lamp extinguished.
37	Momentarily operate RL key.	All lamps extinguished.
38j	If office is equipped with range extension for unigauge cabling— Select ringing combination 4.	
39j	Repeat Steps 34 through 37.	
40	Restore all keys and switches not required in next test.	
D. Supervision—Originating and Terminating Ends Disconnect		
Flat Rate Operation		
32	Operate TLK key.	
33	Momentarily operate ST key.	◆If CDTT key is operated— S1 lamp lighted.◆ AS, TS lamps lighted. If answer and disconnect supervision is provided— PK lamp lighted. If ETS provided— FT, S1 lamps lighted. If LAMA-C provided— S1 lamp lighted.
34	Operate ANS key; <i>start timing</i> .	◆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.
35	In 7 to 9 seconds— Restore ANS, TLK keys.	◆If CDTT key is operated— S1, CS lamps extinguished.◆ AS, TS lamps extinguished. High tone silenced. If answer and disconnect supervision is provided— PK lamp lighted. If ETS provided— FT, S1, CS lamps extinguished. If LAMA-C provided— CS, S1 lamps extinguished.

STEP	ACTION	VERIFICATION
36	Momentarily operate RL key.	All lamps extinguished.
AMA Operation (ETS, CDT, or LAMA-C Not Provided)		
37	Operate TLK key.	
38	Momentarily operate ST key.	AS, TS lamps lighted. IE, RN, T2/5, U2/5 lamps lighted. If answer and disconnect supervision is provided— PK lamp lighted.
39	Operate ANS key; <i>start timing</i> .	High tone heard. If answer and disconnect supervision is provided— PK lamp extinguished. In 2 to 6 seconds— AE lamp lighted.
40	Restore ANS, TLK keys.	AS, TS lamps extinguished. High tone silenced. If disconnect entry is provided— DE lamp lighted. If answer and disconnect supervision is provided— PK lamp lighted.
41	Momentarily operate RL key.	All lamps extinguished.
Message Register Operation (LAMA-C, CDT, or ETS Not Provided)		
42	Operate TLK key.	
43	Momentarily operate ST key.	AS, TS lamps lighted. PK lamp <i>not</i> lighted.
44	Operate ANS key; <i>start timing</i> .	High tone heard. In 2 to 6 seconds— RP lamp lighted. DR lamp <i>not</i> lighted.
45	Restore ANS, TLK keys.	AS, TS lamps extinguished. High tone silenced.
46	Momentarily operate RL key.	All lamps extinguished.
47j	If circuit is arranged for 2-party operation— Operate TP, TLK keys.	
48j	Momentarily operate ST key.	AS, TS lamps lighted.

SECTION 218-331-501

STEP	ACTION	VERIFICATION
49j	Operate ANS key; <i>start timing</i> .	High tone heard. In 2 to 6 seconds— TP lamp lighted. DR lamp <i>not</i> lighted.
50j	Restore ANS, TLK keys.	AS, TS lamps extinguished. High tone silenced.
51j	Restore TP key.	
52j	Momentarily operate RL key.	All lamps extinguished.

Data Message Timing and Data Flat Rate Operation

53	Operate TLK key.	
54	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, TS lamps lighted. RP, PK lamps <i>not</i> lighted.
55	Operate ANS key.	◆If CDTT key is operated— CS lamp lighted.◆ High tone heard. PK lamp lighted. If trunk under test is data message timing— RP lamp lighted. DR lamp <i>not</i> lighted. If ETS or LAMA-C provided— CS lamp lighted.
56	Restore ANS, TLK keys.	◆If CDTT key is operated— S1, CS lamps extinguished.◆ AS, TS lamps extinguished. High tone silenced. If ETS provided— FT, S1, CS lamps extinguished. If LAMA-C provided— CS, S1 lamps extinguished.
57	Momentarily operate RL key.	All lamps extinguished.

All Trunks

58	Restore all keys and switches not required in next test.	
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STEP	ACTION	VERIFICATION
E.	Supervision—Originating End Disconnect	
	All Trunks	
	Note: Do not proceed with this test until assured that the trunk has been idle for 2 minutes where tube-type RL relay is used and for 4 minutes where 235-type RL relay is used.	
	Flat Rate Operation	
32	Operate TLK key.	
33	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, TS lamps lighted. If answer and disconnect supervision is provided— PK lamp lighted.</p>
34	Using dial of MTF telephone circuit— Dial digit 7.	AS, TS lamps remain lighted.
35	Operate ANS key; <i>start timing</i> .	<p>◆If CDTT key is operated— CS lamp lighted.◆ High ton heard. If answer and disconnect supervision is provided— PK lamp extinguished. If ETS or LAMA-C provided— CS lamp lighted.</p>
36	In 7 to 9 seconds— Restore TLK key; <i>start timing</i> .	<p>◆If CDTT key is operated— S1, CS lamps extinguished.◆ If ETS or LAMA-C provided— S1 lamp extinguished. AS lamp extinguished. In 13 to 32 seconds— TS lamp extinguished. High tone silenced. If answer and disconnect supervision is provided— PK lamp lighted. If ETS provided— CS, FT lamps extinguished. If LAMA-C provided— CS lamp extinguished.</p>

SECTION 218-331-501

STEP	ACTION	VERIFICATION
37	Restore ANS key.	
38	Momentarily operate RL key.	All lamps extinguished.
AMA Operation (ETS, CDT, or LAMA-C Not Provided)		
39	Operate TLK key.	
40	Momentarily operate ST key.	AS, TS lamps lighted. IE, RN, T2/5, U2/5 lamps lighted. If answer and disconnect supervision is provided— PK lamp lighted.
41	Using dial of MTF telephone circuit— Dial digit 7.	AS, TS lamps remain lighted.
42	Operate ANS key; <i>start timing</i> .	High tone heard. In 2 to 6 seconds— AE lamp lighted. If answer and disconnect supervision is provided— PK lamp extinguished.
43	Restore TLK key; <i>start timing</i> .	AS lamp extinguished. High tone silenced. In 13 to 32 seconds— TS lamp extinguished. If disconnect entry is provided— DE lamp lighted. If answer and disconnect supervision is provided— PK lamp lighted.
44	Restore ANS key.	
45	Momentarily operate RL key.	All lamps extinguished.
Message Register Operation (LAMA-C, CDT, or ETS Not Provided)		
46	Operate TLK key.	
47	Momentarily operate ST key.	AS, TS lamps lighted. PK lamp <i>not</i> lighted.
48	Using dial of MTF telephone circuit— Dial digit 7.	AS, TS lamps remain lighted.
49	Operate ANS key; <i>start timing</i> .	High tone heard. In 2 to 6 seconds—

STEP	ACTION	VERIFICATION
		RP lamp lighted. DR lamp <i>not</i> lighted.
50	Restore TLK key; <i>start timing</i> .	AS lamp extinguished. In 13 to 32 seconds— TS lamp extinguished. High tone silenced.
51	Restore ANS key.	
52	Momentarily operate RL key.	All lamps extinguished.
Data Message Timing and Data Flat Rate Operation		
53	Operate TLK key.	
54	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, TS lamps lighted. PK lamp lighted.
55	Operate ANS key.	◆If CDTT key is operated— CS lamp lighted.◆ If ETS or LAMA-C provided— CS lamp lighted. High tone heard. PK lamp extinguished. If trunk under test is data message timing— RP lamp lighted. DR lamp <i>not</i> lighted.
56	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. AS, TS lamps extinguished. High tone heard.
57	Momentarily operate RL key.	All lamps extinguished.
58	Restore ANS key.	
All Trunks		
59	Restore all keys and switches not required in next test.	

STEP	ACTION	VERIFICATION
F. Supervision—Terminating End Disconnect		
All Trunks		
Note: For trunks except data message timing and data flat rate, do not proceed with these tests until assured that the trunk has been idle for 2 minutes where tube-type RL relay is used and for 4 minutes where 235-type RL relay is used.		
Flat Rate Operation		
32	Operate TLK 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, TS lamps lighted. If answer and disconnect supervision is provided— PK lamp lighted.
34	Operate ANS key; <i>start timing</i> .	♦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.
35	In 7 to 9 seconds— Restore ANS key; <i>start timing</i> .	♦If CDTT key is operated— CS lamp extinguished.♦ High tone silenced. If ETS or LAMA-C provided— CS lamp extinguished. In 13 to 32 seconds— AS, TS lamps extinguished. If answer and disconnect supervision is provided— PK lamp lighted. If ETS provided— FT, S1 lamps extinguished. If LAMA-C provided— S1 lamp extinguished. ♦If CDTT key is operated— S1 lamp extinguished.♦

STEP	ACTION	VERIFICATION
36	Restore TLK key.	
37	Momentarily operate RL key.	All lamps extinguished.
AMA Operation (ETS, CDT or LAMA-C Not Provided)		
38	Operate TLK key.	
39	Momentarily operate ST key.	AS, TS lamps lighted. If answer and disconnect supervision is provided— PK lamp lighted. IE, RN, T2/5, U2/5 lamps lighted.
40	Operate ANS key; <i>start timing</i> .	High tone heard. In 2 to 6 seconds— AE lamp lighted. If answer and disconnect supervision is provided— PK lamp extinguished.
41	Restore ANS key; <i>start timing</i> .	High tone silenced. In 13 to 32 seconds— AS, TS lamps extinguished. If answer and disconnect supervision is provided— PK lamp lighted. If disconnect entry is provided— DE lamp lighted.
42	Restore TLK key.	
43	Momentarily operate RL key.	All lamps extinguished.
Message Register Operation (LAMA-C, CDT or ETS Not Provided)		
44	Operate TLK key.	
45	Momentarily operate ST key.	AS, TS lamps lighted. PK lamp <i>not</i> lighted.
46	Operate ANS key; <i>start timing</i> .	High tone heard. In 2 to 6 seconds— RP lamp lighted. DR lamp <i>not</i> lighted.
47	Restore ANS key; <i>start timing</i> .	In 13 to 32 seconds— AS, TS lamps extinguished. High tone silenced.
48	Restore TLK key.	

SECTION 218-331-501

STEP	ACTION	VERIFICATION
49	Momentarily operate Rl key.	All lamps extinguished.
Data Message Timing and Data Flat Rate Operation		
50	Operate TLK key.	
51	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, TS lamps lighted. RP, PK lamps <i>not</i> lighted.
52	Operate ANS key.	♦If CDTT key is operated.— CS lamp lighted.♦ If ETS or LAMA-C provided— CS lamp lighted. High tone heard. PK lamp lighted. If trunk under test is data message timing— RP lamp lighted. DR lamp <i>not</i> lighted.
53	Restore ANS 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. AS, TS lamps extinguished. High tone silenced.
54	Restore TLK key.	
55	Momentarily operate RL key.	All lamps extinguished.

All Trunks

56 Restore all keys and switches not required in next test.

G. Noncharge Supervision

Flat Rate Operation

32	Operate TLK key.	
33	Momentarily operate ST key.	♦If CDTT key is operated— S1 lamp lighted.♦ If LAMA-C provided—

STEP	ACTION	VERIFICATION
		<p>S1 lamp lighted.</p> <p>If ETS provided—</p> <p> FT, S1 lamps lighted.</p> <p>AS, TS lamps lighted.</p> <p>If answer and disconnect supervision is provided—</p> <p> PK lamp lighted.</p>
34	Operate ANS key for 1 to 1-1/2 seconds.	<p>If ETS or LAMA-C provided or CDTT key operated—</p> <p> CS lamp lighted while ANS key is operated.</p> <p> High tone heard while ANS key is operated.</p> <p>If answer and disconnect supervision is provided—</p> <p> PK lamp extinguished.</p>
35	Operate ANS key and restore TLK key simultaneously.	<p>◆If CDTT key is operated—</p> <p> S1, CS lamps extinguished.◆</p> <p>If LAMA-C provided—</p> <p> CS, S1 lamps extinguished.</p> <p>If ETS provided—</p> <p> CS, FT, S1 lamps extinguished.</p> <p>PK lamp remains extinguished.</p> <p>AS, TS lamps extinguished.</p>
36	Restore ANS key.	
37	Momentarily operate RL key.	All lamps extinguished.
AMA Operation (ETS, CDTT or LAMA-C Not Provided)		
38	Operate TLK key.	
39	Momentarily operate ST key.	<p>AS, TS lamps lighted.</p> <p>If answer and disconnect supervision is provided—</p> <p> PK lamp lighted.</p> <p>IE, RN_, T2/5, U2/5 lamps lighted.</p>
40	Operate ANS key for 1 to 1-1/2 seconds; <i>start timing.</i>	<p>High tone heard while ANS key is operated.</p> <p>If answer and disconnect supervision is provided—</p> <p> PK lamp extinguished.</p> <p>AE lamp not lighted.</p>
41	In 7 to 9 seconds— Restore TLK key.	AS, TS lamps extinguished.
42	Momentarily operate RL key.	All lamps extinguished.

SECTION 218-331-501

STEP	ACTION	VERIFICATION
Message Register Operation (LAMA-C, CDT or ETS Not Provided)		
43	Operate TLK key.	
44	Momentarily operate ST key.	AS, TS lamps lighted. PK lamp <i>not</i> lighted.
45	Operate ANS key for 1 to 1-1/2 seconds.	High tone heard while ANS key is operated. RP lamp <i>not</i> lighted.
46	Momentarily operate RL key.	
47	Restore TLK key.	
All Trunks		
48	Restore all keys and switches not required in next test.	
H. Universal Pad Control		
32	Operate 2WD, 2WCB keys.	
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. TS, AS, ES lamps lighted. R- lamp flashes. Ringing tone heard in unison with R- lamp flashes. At relay rack frame— PCA, PCB relays operated.
34	At MTF— Momentarily operate RL key.	All lamps extinguished. Ringing tone silenced.
35	Restore 2WD, 2WCB keys.	
36	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. TS, AS, ES lamps lighted. R- lamp flashes. Ringing tone heard in unison with R_ lamp flashes.

STEP	ACTION	VERIFICATION
		At relay rack frame— PCA, PCB relays <i>not</i> operated.
37	At MTF— Momentarily operate RL key.	All lamps extinguished. Ringing tone silenced.
38	Operate 2WD key.	
39	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. TS, AS, ES lamps lighted. R- lamp flashes. Ringing tone heard in unison with R- lamp flashes. At relay rack frame— PCB relay operated. PCA relay <i>not</i> operated.
40	At MTF— Momentarily operate RL key.	All lamps extinguished. Ringing tone silenced.
41	Restore 2WD key.	
42	Operate 2WCB key.	
43	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. TS, AS, ES lamps lighted. R- lamp flashes. Ringing tone heard in unison with R- lamp flashes. At relay rack frame— PCB relay operated. PCA relay <i>not</i> operated.
44	At MTF— Momentarily operate RL key.	All lamps extinguished. Ringing tone silenced.
45	Restore 2WCB key.	
46	Restore all keys and switches not required in next test.	

SECTION 218-331-501

STEP	ACTION	VERIFICATION
I. Trunk Busy		
32	At relay rack frame— Set MB switch to MB on all intraoffice trunks of same route on same trunk link frame as trunk under test.	
33	At MTF— Operate TLK key.	
34	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, TS lamps lighted.
35	Restore TLK key.	◆If CDTT key is operated— S1 lamp extinguished.◆ If ETS provided— FT, S1 lamps extinguished. AS, TS lamps extinguished. If LAMA-C provided— S1 lamp extinguished.
36	Momentarily operate RL key.	All lamps extinguished.
37	At relay rack frame— Set MB switch associated with trunk under test to MB.	
38	At MTF— Operate TLK key.	
39	Momentarily operate ST key.	TB lamp lighted.
40	Momentarily operate RL key.	TB lamp extinguished.
41	Restore FS, TS keys.	
42	Operate NTFS, NTTS keys.	
43	Momentarily operate ST key.	◆If CDTT key is operated— S1 lamp lighted.◆ If ETS provided— FT, S1 lamps lighted. AS, TS lamps lighted. If LAMA-C provided— S1 lamp lighted.

STEP	ACTION	VERIFICATION
44	Restore TLK key.	◆If CDTT key is operated— S1 lamp extinguished.◆ If LAMA-C provided— S1 lamp extinguished. If ETS provided— S1 lamp extinguished. AS, TS lamps extinguished.
45	Momentarily operate RL key.	All lamps extinguished. If ETS provided— FT lamp remains lighted.
46	At relay rack frame— Restore MB switches associated with trunks made busy.	If ETS provided— FT lamp extinguished.
47	At MTF— Restore all keys and switches not required in next test.	
NON DIAL TRANSFER		
J. Listed Directory Number Call		
	Note: Use AMA class of service, if provided.	
32	At MTF— Operate CDN, TLK keys.	TRF, CDN lamps lighted.
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. PK lamp lighted. If AMA call and trunk is not arranged for LAMA-C, ◆CDT,◆ or ETS— IE, RN_, T2/5, U2/5 lamps lighted. If test attendant trunk is arranged for console operation— At test console— TST lamp lighted. If test attendant trunk is arranged for 608A switchboard operation— At MTF— CTX lamp flashes at 60 ipm.
34g	If test attendant trunk is arranged for console operation—	PA/RLS lamp lighted. At MTF—

SECTION 218-331-501

STEP	ACTION	VERIFICATION
	At test console— Momentarily operate PA/RLS key.	PK lamp extinguished.
35g	At test console— Operate TST key for approximately 1/2 second.	TST lamp remains lighted. SRC lamp flashes at 60 ipm. PA/RLS lamp extinguished.
36g	Momentarily operate Talk key associated with flashing SRC lamp.	Talk, SRC lamps lighted. Talking path established between MTF and test console. If AMA call and trunk is <i>not</i> arranged for ♦CDT, ♦LAMA-C, or ETS— In 2 to 5 seconds— At MTF— AE lamp lighted. If ETS or LAMA-C provided— CS lamp lighted. ♦If CDTT key is operated— CS lamp lighted.♦
37h	If test attendant trunk is arranged for 608A switchboard operation— Operate CANS key.	CTX lamp extinguished. If AMA call and trunk is <i>not</i> arranged for ♦CDT, ♦LAMA-C, or ETS— In 2 to 5 seconds— AE lamp lighted. Talking path established between MTF and handset at ORT jack. If ETS or LAMA-C provided— CS lamp lighted. ♦If CDTT key is operated— CS lamp lighted.♦
38	Restore TLK key.	AS lamp extinguished. If AMA call and trunk not arranged for ♦CDT, ♦LAMA-C, or ETS and disconnect entry is provided— DE lamp lighted. ♦If CDTT key is operated— S1, CS lamps extinguished.♦ If trunk arranged for LAMA-C— S1, CS lamps extinguished. If ETS provided— FT, S1, CS lamps extinguished. If test attendant trunk is arranged for console operation— At test console— SRC lamp extinguished. If test attendant trunk is arranged for 608A switchboard operation— At MTF— CTX lamp lighted.

STEP	ACTION	VERIFICATION
39	Restore CDN key.	CDN, TRF lamps extinguished. PK lamp lighted.
40	Momentarily operate RL key.	All lamps extinguished.
41h	If test attendant trunk is arranged for 608A switchboard operation— Restore CANS key.	At test console— All lamps extinguished.
42g	If test attendant trunk is arranged for console operation— At test console— Momentarily operate PA/RLS key.	
43	At MTF— Restore all keys and switches not required in next text.	
44j	If test attendant trunk is arranged for console operation and no other tests are to be made— At test console— Remove attached cord of test console from CNTX TST CONN T jack.	
45j	Remove head telephone set from operator telephone jack.	
46k	If test attendant trunk is arranged for 608A switchboard operation and no other tests are to be made— At MTF— Remove handset from ORT jack.	
K. Transfer With Start-in Call		
32	At MTF— Operate TLK key.	
33	Momentarily operate ST key.	◆If CDTT key is operated— S1 lamp lighted.◆ AS, TS lamps lighted. PK lamp lighted. If AMA call and trunk <i>not</i> arranged for ◆CDT,◆ LAMA-C, or ETS— IE, RN, T2/5, U2/5 lamps lighted. If trunk arranged for LAMA-C— S1 lamp lighted. If ETS provided— FT, S1 lamps lighted.
34	Operate ANS key.	◆If CDTT key is operated— CS lamp lighted.◆

SECTION 218-331-501

STEP	ACTION	VERIFICATION
		High tone heard. PK lamp extinguished. If AMA call and trunk <i>not</i> arranged for ♦CDT, ♦ LAMA-C, or ETS— In 2 to 5 seconds— AE lamp lighted. If trunk arranged for LAMA-C or ETS— CS lamp lighted.
35	Restore ANS key for 1/2 second.	If AMA call and trunk <i>not</i> arranged for ♦CDT, ♦ LAMA-C, or ETS— AE lamp remains lighted. If trunk arranged for LAMA-C or ETS ♦or CDTT key operated♦ — CS lamp extinguished while ANS key restored. If test attendant trunk is arranged for console operation— At test console— TST lamp lighted. If test attendant trunk is arranged for 608A switchboard operation— At MTF— CTX lamp flashes at 120 ipm.
36g	If test attendant trunk is arranged for console operation— At test console— Momentarily operate PA/RLS key.	PA/RLS lamp lighted.
37g	Operate TST key for approximately 1/2 second.	TST lamp remain lighted. SRC lamp flashes at 120 ipm. PA/RL lamp extinguished.
38g	Momentarily operate Talk key associated with flashing SRC lamp.	Talk, SRC lamps lighted. High tone heard.
39g	Momentarily operate RLS DEST key.	High tone silenced. Destination lamp extinguished. At MTF— High tone silenced. TS lamp extinguished.
40g	Restore ANS key.	
41g	At test console— Momentarily operate STI key.	RDY lamp lighted.
42g	Key A through E digits, as required, corresponding to centrex terminating test line extension number.	

STEP	ACTION	VERIFICATION
43g	Momentarily operate END key.	Ringing tone heard. RDY lamp extinguished. DEST lamp flashes at 30 ipm. At MTF— TS lamp lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
44g	Operate ANS key.	R— lamp extinguished. High tone heard. At test console— DEST lamp lighted.
45g	Momentarily operate PA/RLS key.	Talk, SRC, DEST lamps extinguished. High tone silenced. PA/RLS lamp lighted.
46h	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Operate CANS key.	CTX lamp lighted. At handset— High tone heard.
47h	At MTF— Operate RD key for 1 second.	High tone silenced. TS lamp extinguished. At handset— High tone silenced.
48h	At MTF— Restore ANS key.	
49h	Operate STI key.	RDY lamp lighted. CTX lamp extinguished.
50h	At test set— Momentarily operate KP key.	
51h	Key A through E digits, as required, corresponding to centrex terminating test line extension number.	
52h	Momentarily operate ST key.	
53h	At MTF— Restore STI key.	RDY lamp extinguished. CTX lamp flashes at 30 ipm. TS lamp lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
54h	Operate ANS key.	High tone heard. In approximately 2 seconds—

SECTION 218-331-501

STEP	ACTION	VERIFICATION
		CTX lamp lighted. R— lamp extinguished.
55h	Restore CANS key.	CTX lamp extinguished.
56	Restore ANS, TLK keys.	High tone silenced. AS, TS lamps extinguished. PK lamp lighted. If AMA call, trunk <i>not</i> arranged for LAMA-C, ◆CDT,◆ or ETS, and disconnect entry is provided— DE lamp lighted. If trunk arranged for LAMA-C— S1, CS lamps extinguished. If ETS provided— FT, S1, CS lamps extinguished. ◆If CDTT key is operated— S1, CS lamp extinguished.◆
57	Momentarily operate RL key.	All lamps extinguished. If test attendant trunk is arranged for console operation— At test console— PA/RLS, TST lamps extinguished.
58	At MTF— Restore all keys and switches not required in next text.	
59j	If test attendant trunk is arranged for console operation and no other tests are to be made— At test console— Remove attached cord of test console from CNTX TST CONN T jack.	
60j	Remove head telephone set from operator telephone jack.	
61k	If test attendant trunk is arranged for 608A switchboard operation and no other tests are to be made— At test set— Remove patching cord from IRT jack to IRT jack of test circuit for register and CAMA sender circuit.	
62k	Restore MF key.	
63k	At MTF— Remove handset from ORT jack.	

STEP	ACTION	VERIFICATION
L. Don't Answer Transfer		
32	Operate TLK, CTX4, CTL2, keys; set TERT switch to DAT.	
33	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, TS lamps 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 interval is exceeded— TS, R— lamps extinguished. 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.</p>
34g	If test attendant trunk is arranged for console operation— At test console— Momentarily operate PA/RLS key.	PA/RLS lamp lighted.
35g	Operate TST key for approximately 1 second.	PA/RLS lamp extinguished. SRC lamp flashes at 60 ipm. Audible signal sounds.
36g	Momentarily operate Talk key.	Talk lamp lighted. TST, CW lamps extinguished. SRC lamp lighted. Audible signal silenced. At MTF— Ringing tone silenced.

SECTION 218-331-501

STEP	ACTION	VERIFICATION
		Talking path established between MTF and test console.
37g	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. Talking path removed between MTF and test console.
38g	At test console— Within 13 seconds— Momentarily operate PA/RLS key.	All lamps extinguished.
39g	At MTF— Momentarily operate RL key.	All lamps extinguished.
40h	If test attendant trunk arranged for 608A switchboard operation— Operate CANS key.	CTX lamp extinguished. R— lamp extinguished. Ringing tone silenced.
41h	At handset in ORT jack— Set TALK switch to TALK.	Talking path established between MTF and handset at ORT jack.
42h	Restore TALK switch to MON.	Talking path removed between MTF and handset at ORT jack.
43h	Restore CANS, TLK keys.	♦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.
44h	Momentarily operate RL key.	All lamps extinguished.
45	Restore all keys and switches not required in next test.	
46j	If test attendant trunk is arranged for console operation and no other tests are to be made— At test console— Remove attached cord of test console from CNTX TST CONN T jack.	
47j	Remove head telephone set from operator telephone jack.	

STEP	ACTION	VERIFICATION
48k	If test attendant trunk is arranged for 608A switchboard operation and no other tests are to be made— At MTF— Remove handset from ORT jack.	
M. All Attendant Trunks Busy on Transfer Call		
32	At relay rack frame— Set MB switch associated with test attendant trunk to MB.	
33	At MTF— Operate TLK key.	
34	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, TS lamps lighted. PK lamp lighted.
35	Operate ANS key.	♦If CDTT key is operated— CS lamp lighted.♦ If ETS or LAMA-C provided— CS lamp lighted. High tone heard. PK lamp extinguished.
36	In 6 to 8 seconds after ANS key operated— Patch handset to TM2 jack. (Check that switch of handset is on TALK.)	High tone silenced. Talking path established between MTF and handset at TM2 jack.
37	Operate TM2 key. Restore switch of handset to MON for 1/2 second.	120-ipm tone not heard. At handset— 120-ipm tone heard.
38	Restore switch of handset to MON for 1/2 second.	120-ipm tone silenced. Talking path established between MTF and handset at TM2 jack.
39	Restore ANS, TLK, TM2 keys.	PK lamp lighted.
40	Momentarily operate RL key.	All lamps extinguished. If ETS provided— FT lamp remains lighted.
41	Remove handset from TM2 jack.	

SECTION 218-331-501

STEP	ACTION	VERIFICATION
42	Restore all keys and switches not required in next test.	
43	At relay rack frame— Restore MB switch to N.	If ETS provided— FT lamp extinguished.
N. No Register Available		
32	Operate CDN, TLK keys.	TRF, CDN lamps lighted.
33	Momentarily operate ST key.	<p>◆If CDTT key is operated— S1 lamp lighted.◆ AS lamp lighted. PK lamp lighted. If ETS provided— FT, S1 lamps lighted. If test attendant trunk is arranged for console operation— At test console— TST lamp lighted. If LAMA-C provided— S1 lamp lighted. If test attendant trunk is arranged for 608A switchboard operation— At MTF— CTX lamp flashes at 60 ipm.</p>
34g	If test attendant trunk is arranged for console operation— At test console— Momentarily operate PA/RLS key.	PA/RLS lamp lighted. At MTF— PK lamp extinguished.
35g	At test console— Operate TST key for approximately 1/2 second.	TST lamp remains lighted. SRC lamp flahes at 60 ipm. PA/RLS lamp extinguished.
36g	Momentarily operate Talk key associated with flashing SRC lamp.	Talk, SRC lamps lighted. Talking path established between MTF and test console.
37g	At relay rack frame— Insulate 9B of SS relay.	
38g	At test console— Momentarily operate STI key.	RDY lamp not lighted. Talking path removed from test console to MTF.
39g	Momentarily operate END key.	Talking path established between test console and MTF.
40g	Momentarily operate PA/RLS key.	Talk, SRC lamps extinguished. PA/RLS lamp lighted.

STEP	ACTION	VERIFICATION
41h	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Operate CANS key.	CTX lamp extinguished. Talking path established between MTF and handset at ORT jack.
42h	At relay rack frame— Insulate 9B of SS relay.	
43h	At MTF— Operate STI key.	RDY lamp <i>not</i> lighted. At relay rack frame— SI relay operated. CO relay released.
44h	At MTF— Momentarily operate RB key.	At relay rack frame— SI relay released. CO relay operated.
45h	At MTF— Restore STI key.	Talking path remains between MTF and handset at ORT jack.
46h	Restore CANS key.	
47	Restore CDN, TLK keys.	AS, TRF, CDN lamps extinguished. If test attendant trunk is arranged for console operation— At test console— SRC lamp extinguished. At MTF— PK lamp lighted.
48	Momentarily operate RL key.	All lamps extinguished. If test attendant trunk is arranged for console operation— At test console— PA/RLS, TST lamps extinguished.
49	At relay rack frame— Remove insulator from SS relay.	
50	At MTF— Restore all keys and switches not required in next test.	
51j	If test attendant trunk is arranged for console operation and no other tests are to be made— At test console— Remove attached cord of test console from CNTX TST CONN T jack.	
52j	Remove head telephone set from operator telephone jack.	

SECTION 218-331-501

STEP	ACTION	VERIFICATION
53k	If test attendant trunk is arranged for 608A switchboard operation and no other tests are to be made— At MTF— Remove handset from ORT jack.	
O. Line-Busy and Overflow		
32	At MTF— Operate CDN, TLK keys.	TRF, CDN lamps lighted.
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. PK lamp lighted. If test attendant trunk is arranged for console operation— At test console— TST lamp lighted. If test attendant trunk is arranged for 608A switchboard operation— At MTF— CTX lamp flashes at 60 ipm.
34g	If test attendant trunk is arranged for console operation— At test console— Momentarily operate PA/RLS key.	PA/RLS lamp lighted. At MTF— PK lamp extinguished. Operate TST key for approximately 1/2 second.
35g	At test console— Operate TST key for approximately 1/2 second.	TST lamp remains lighted. SRC lamp flashes at 60 ipm. PA/RLS lamp extinguished.
36g	Momentarily operate Talk key associated with flashing SRC lamp.	Talk, SRC lamps lighted. Talking path established between MTF and test console.
37g	Momentarily operate STI key.	RDY lamp lighted.
38g	Key digits assigned to the permanent busy number.	
39g	Momentarily operate END key.	RDY lamp extinguished. If line-busy is under test— DEST lamp flashes at 60 ipm. 60-ipm line-busy tone heard. At MTF— 60-ipm line busy tone <i>not</i> heard.

STEP	ACTION	VERIFICATION
		If overflow is under test— At test console— DEST lamp flashes at 120 ipm. 120-ipm overflow tone heard. At MTF— 120-ipm overflow tone <i>not</i> heard.
40g	At test console— Momentarily operate RLS DEST key.	DEST lamp extinguished. 60- or 120-ipm tone <i>not</i> heard. Talking path established from MTF to test console.
41g	Momentarily operate PA/RLS key.	Talk lamp extinguished. PA/RLS lamp lighted.
42h	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Operate CANS key.	CTX lamp extinguished. Talking path established between MTF and handset at ORT jack.
43h	Operate STI key.	RDY lamp lighted.
44h	At test set— Momentarily operate KP key.	
45h	Key digits assigned to the permanent busy number.	
46h	Momentarily operate ST key.	
47h	At MTF— Restore STI key.	RDY lamp extinguished. 60- or 120-ipm tone <i>not</i> heard. If line-busy is under test— CTX lamp flashes at 60 ipm. At handset— 60-ipm line-busy tone heard. If overflow is under test— At MTF— CTX lamp flashes at 120 ipm. At handset— 120-ipm overflow tone heard.
48h	Operate RD key for 1 second.	At MTF— CTX lamp extinguished. At handset— 60- or 120-ipm tone <i>not</i> heard. Talking path established between MTF and handset at ORT jack.
49h	At MTF— Restore CANS key.	

SECTION 218-331-501

STEP	ACTION	VERIFICATION
50	Restore CDN, TLK keys.	TRF, CDN lamps extinguished. If test attendant trunk is arranged for console operation— At test console— SRC lamp extinguished. At MTF— PK lamp lighted.
51	Momentarily operate RL key.	All lamps extinguished. If test attendant trunk is arranged for console operation— At test console— PA/RLS, TST lamps extinguished.
52	Repeat Steps 32 through 51, keying digits assigned to the permanent overflow number instead of the permanent busy number.	
53	At MTF— Restore all keys and switches not required in next text.	
54j	If test attendant trunk is arranged for console operation and no other tests are to be made— At test console— Remove attached cord of test console from CNTX TST CONN T jack.	
55j	Remove head telephone set from operator telephone jack.	
56k	If test attendant trunk is arranged for 608A switchboard operation and no other tests are to be made— At test set— Remove patching cord from IRT jack to IRT jack of test circuit for register and CAMA sender circuit.	
57k	At MTF— Remove handset from ORT jack.	

P. Class-of-Service Registration

- 20 Restore CTTL, CNTX keys.
- 21 Operate KY, CGLS, TLK, REC keys.
- 22 Select D through G digits as required to select a centrex station number with no restrictions to complete.

STEP	ACTION	VERIFICATION
	Note: Select from office records centrex stations with classes of service as assigned that will operate CT_ and CU_ relays at least once.	
23	Momentarily operate ST key.	Two trouble records taken CTUK designation perforated on first trouble record.
24	Momentarily operate RL key.	All lamps extinguished.
25	Repeat Steps 22, 23, 24, until all tens and units digits have been tested.	
26	Restore all keys and switches not required in next test.	
Q. Cancel Transfer		
32	Operate TLK 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, TS lamps lighted. PK lamp lighted. If AMA call and trunk <i>not</i> arranged for ◆CDT,◆ LAMA-C, or ETS— IE, RN_, T2/5, U2/5 lamps lighted.
34	Operate ANS key.	◆If CDTT key is operated— CS lamp lighted.◆ High tone heard. PK lamp extinguished. If AMA call and trunk <i>not</i> arranged for ◆CDT,◆ LAMA-C, or ETS— In 2 to 5 seconds— AE lamp lighted. If trunk arranged for LAMA-C or ETS— CS lamp lighted.
35	Restore ANS key; <i>start timing.</i>	High tone silenced. In 2 to 5 seconds— PK lamp lighted.
36	Operate ANS key.	PK lamp extinguished.
37	Restore ANS key for 1/2 second.	If test attendant trunk is arranged for console operation—

SECTION 218-331-501

STEP	ACTION	VERIFICATION
		At test console— TST lamp <i>not</i> lighted. If test attendant trunk is arranged for 608A switchboard operation— At MTF— CTX lamp <i>not</i> lighted.
38	Restore ANS, TLK keys. <i>Note:</i> Step 35 of this test starts the 13- to 32-second timed release function of this circuit. It is possible, therefore, that a timed release disconnect indication will be given before the test is completed.	◆If CDTT key is operated— S1, CS lamps extinguished.◆ AS, TS lamps extinguished. PK lamp lighted. If ETS provided— CS, FT, S1 lamps extinguished. If LAMA-C provided— CS, S1 lamps extinguished.
39	Momentarily operate RL key.	All lamps extinguished.
40	Restore all keys and switches not required in next test.	
41h	If test attendant trunk is arranged for console operation and no other tests are to be made— At test console— Remove attached cord of test console from CNTX TST CONN T jack.	
42h	Remove head telephone set from operator telephone jack.	

DIAL TRANSFER

R. Listed Directory Number Call

Note: Use AMA class of service, if provided.

32	At MTF— Operate CDN, TLK keys.	TRF, CDN lamps lighted.
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. IAO, AS lamps lighted. PK lamp lighted. If AMA call and trunk <i>not</i> arranged for ◆CDT,◆ LAMA-C, or ETS— IE, RN_, T2/5, U2/5 lamps lighted. If test attendant trunk is arranged for console operation—

STEP	ACTION	VERIFICATION
		At test console— TST lamp lighted. If test attendant trunk is arranged for 608A switchboard operation— At MTF— CTX lamp flashes at 60 ipm.
34g	If test attendant trunk is arranged for console operation— At test console— Momentarily operate PA/RLS key.	PA/RLS lamp lighted. At MTF— PK lamp extinguished.
35g	At test console— Operate TST key for approximately 1/2 second.	TST lamp remains lighted. SRC lamp flashes at 60 ipm. PA/RLS lamp extinguished.
36g	Momentarily operate Talk key associated with flashing SRC lamp.	◆If CDTT key is operated— CS lamp lighted.◆ Talk, SRC lamps lighted. Transmission established between MTF and test console. If AMA call and trunk <i>not</i> arranged for ◆CDT,◆ LAMA-C, or ETS— At MTF— In 2 to 5 seconds— AE lamp lighted. If ETS or LAMA-C provided— CS lamp lighted.
37h	If test attendant trunk is arranged for 608A switchboard operation— Operate CANS key.	◆If CDTT key is operated— CS lamp lighted.◆ CTX lamp extinguished. Talking path established between MTF and handset at ORT jack. If AMA call and trunk <i>not</i> arranged for ◆CDT,◆ LAMA-C, or ETS— In 2 to 5 seconds— AE lamp lighted. If ETS or LAMA-C provided— CS lamp lighted.
38	Restore TLK key.	◆If CDTT key is operated— S1, CS lamps extinguished.◆ AS lamp extinguished. Talking path removed. If AMA call, trunk <i>not</i> arranged for LAMA-C, ◆CDT,◆ or ETS, and disconnect entry provided— DE lamp lighted. If LAMA-C is provided— S1, CS lamps extinguished. If ETS provided— FT, CS, S1 lamps extinguished.

SECTION 218-331-501

STEP	ACTION	VERIFICATION
		If test attendant trunk is arranged for console operation— At test console— SRC lamp extinguished.
		If test attendant trunk is arranged for 608A switchboard operation— At MTF— CTX lamp lighted.
		Talking path removed from MTF and handset at ORT jack.
39	Restore CDN key.	CDN, TRF lamps extinguished. PK lamp lighted.
40	Momentarily operate RL key.	All lamps extinguished. At test console— PA/RLS, TST lamps extinguished.
41h	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Restore CANS key.	
42g	If test attendant trunk is arranged for console operation— At test console— Momentarily operate PA/RLS key.	
43	At MTF— Restore all keys and switches not required in next test.	
44j	If test attendant trunk is arranged for console operation and no other tests are to be made— At test console— Remove attached cord of test console from CNTX TST CONN T jack.	
45j	Remove head telephone set from operator telephone jack.	
46k	If test attendant trunk is arranged for 608A switchboard operation and no other tests are to be made— At MTF— Remove handset from ORT jack.	

S. Station-to-Station Transfer

32 Operate CTLB, TLT2, TLK keys.

STEP	ACTION	VERIFICATION
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, TS lamps lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
34	Operate ANS key; <i>start timing</i> .	◆If CDTT key is operated— CS lamp lighted.◆ If ETS or LAMA-C provided— CS lamp lighted. High tone heard. R— lamp extinguished.
35	After 6 to 8 seconds— Restore ANS key for 1 second.	High tone silenced. If ETS or LAMA-C provided ◆or CDTT key operated◆ — CS lamp extinguished while ANS key restored.
36	Operate CTX1 key.	Dial tone heard.
37	Operate CTX4 key.	
38	Restore ANS key.	◆If CDTT key is operated— CS lamp extinguished.◆ If ETS or LAMA-C provided— CS lamp extinguished.
39	Dial number assigned to centrex terminating test line 2.	TS2 lamp lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
40	Operate ANS key.	◆If CDTT key is operated— CS lamp lighted.◆ If ETS or LAMA-C provided— CS lamp lighted. High tone heard. R— lamp extinguished.
41	Restore CTX1 key.	High tone silenced.
42	Momentarily restore ANS key.	High tone heard. If ETS or LAMA-C provided ◆or CDTT key operated◆ — CS lamp extinguished while ANS key restored.

SECTION 218-331-501

STEP	ACTION	VERIFICATION
43	Operate TM2 key; <i>start timing</i> .	In 2 to 5 seconds— TS lamp extinguished.
44	Restore ANS key; <i>start timing</i> .	◆If CDTT key is operated— CS lamp extinguished.◆ If ETS or LAMA-C provided— CS lamp extinguished. High tone silenced. In 2 to 5 seconds— TS2 lamp extinguished.
45	Restore TM2 key.	
46	Restore CTX4 key.	
47	Momentarily operate RL key.	All lamps extinguished.
48	Repeat Steps 33 through 42.	
49	Restore CTX4 key; <i>start timing</i> .	In 2 to 5 seconds— TS2 lamp extinguished.
50	Restore ANS key.	◆If CDTT key is operated— CS lamp extinguished.◆ If ETS or LAMA-C provided— CS lamp extinguished. High tone silenced. TS lamp extinguished.
51	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.
52	Momentarily operate RL key.	All lamps extinguished.
53	Operate TLK key.	
54	Repeat Steps 33 through 42.	
55	Restore TLK key; <i>start timing</i> .	◆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. AS lamp extinguished. In 13 to 32 seconds— TS, TS2 lamps extinguished.

STEP	ACTION	VERIFICATION
56	Momentarily operate RL key.	All lamps extinguished.
57	Restore all keys and switches not required in next test.	
T. Station Retransfer to Station		
32	Operate CTLB, TLT2, TLK keys.	
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, TS lamps lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
34	Operate ANS key; <i>start timing</i> .	♦If CDTT key is operated— CS lamp lighted.♦ If ETS or LAMA-C provided— CS lamp lighted. High tone heard. R— lamp extinguished.
35	After 6 to 8 seconds— Restore ANS key for 1 second.	High tone silenced. If ETS or LAMA-C provided ♦or CDTT key operated♦ — CS lamp extinguished while ANS key restored.
36	Operate CTX1 key.	Dial tone heard.
37	Operate CTX4 key.	
38	Restore ANS key.	♦If CDTT key is operated— CS lamp extinguished.♦ If ETS or LAMA-C provided— CS lamp extinguished.
39	Dial number assigned to centrex terminating test line 2.	TS2 lamp lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
40	Restore CTX1 key.	Ringing tone silenced.
41	Operate CTX2 key.	R— lamp extinguished.

SECTION 218-331-501

STEP	ACTION	VERIFICATION
42	Restore CTX4 key; <i>start timing</i> .	In 2 to 5 seconds— TS lamp extinguished.
43	Restore TLK key for 1 second.	Dial tone heard.
44	Dial number assigned to centrex terminating test line 1(B).	TS lamp lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
45	Operate ANS key.	◆If CDTT key is operated— CS lamp lighted.◆ If ETS or LAMA-C provided— CS lamp lighted. High tone heard. R— lamp extinguished.
46	Restore TLK key; <i>start timing</i> .	In 2 to 5 seconds— TS2 lamp extinguished.
47	Restore CTX2, ANS keys.	◆If CDTT key is operated— S1, CS lamps extinguished.◆ AS, TS lamps extinguished. High tone silenced. If ETS provided— FT, S1, CS lamps extinguished. If LAMA-C provided— CS, S1 lamps extinguished.
48	Momentarily operate RL key.	All lamps extinguished.
49	Restore all keys and switches not required in next test.	

U. Transfer With Start-in Call

32	At MTF— Operate CNTX, CTLB, TLT2, TT1, TLK keys.	
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, TS lamps lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
34	Operate ANS key; <i>start timing</i> .	◆If CDTT key is operated— CS lamp lighted.◆

STEP	ACTION	VERIFICATION
		If ETS or LAMA-C provided— CS lamp lighted. High tone heard. R— lamp extinguished. DEST lamp lighted.
35	After 6 to 8 seconds— Restore ANS key for 1 second.	High tone silenced. If ETS or LAMA-C provided or CDTT key operated— CS lamp extinguished while ANS key restored.
36	Operate CTX1 key.	Dial tone heard.
37	Dial 0.	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 120 ipm.
38g	If test attendant trunk is arranged for console operation— At test console— Momentarily operate PA/RLS key.	PA/RLS lamp lighted.
39g	Operate TST key for approximately 1/2 second.	TST lamp remains lighted. SPC lamp flashes at 120 ipm. PA/RLS lamp extinguished.
40g	Momentarily operate Talk key associated with flashing SRC lamp.	Talk, SRC lamps lighted. High tone heard.
41g	Momentarily operate RLS DEST key.	High tone silenced. DEST lamp extinguished. At MTF— High tone silenced. TS lamp extinguished. If ETS or LAMA-C provided— CS lamp extinguished. If CDTT key is operated— CS lamp extinguished.
42g	Restore ANS key.	
43g	At test console— Momentarily operate STI key.	RDY lamp lighted.

SECTION 218-331-501

STEP	ACTION	VERIFICATION
44g	Dial office directing digit, if required, and four digits associated with terminating test line 1(B).	
45g	Momentarily operate END key.	Ringing tone heard. RDY lamp extinguished. DEST lamp flashes at 30 ipm. At MTF— TS lamp lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
46g	Operate ANS key.	◆If CDTT key is operated— CS lamp lighted.◆ If ETS or LAMA-C provided— CS lamp lighted. R— lamp extinguished. High tone heard. At test console— DEST lamp lighted.
47g	Momentarily operate PA/RLS key.	Talk, SRC, DEST lamps extinguished. High tone silenced. PA/RLS lamp lighted.
48h	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Operate CANS key.	CTX lamp lighted steadily. At handset— High tone heard.
49h	At MTF— Operate RD key for 1 second.	At handset— High tone silenced. At MTF— TS lamp extinguished.
50h	Restore ANS key.	◆If CDTT key is operated— CS lamp extinguished.◆ If ETS or LAMA-C provided— CS lamp extinguished.
51h	Operate STI key.	RDY lamp lighted. CTX lamp extinguished.
52h	At test set— Momentarily operate KP key.	
53h	Key office directing digit, if required, and four digits associated with terminating test line 1(B).	
54h	Momentarily operate ST key.	

STEP	ACTION	VERIFICATION
55h	At MTF— Restore STI key.	RDY lamp extinguished. CTX lamp flashes at 30 ipm. TS lamp lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
56h	Operate ANS key.	◆If CDTT key is operated— CS lamp lighted.◆ If ETS ◆or LAMA-C◆ provided— CS lamp lighted. High tone heard. In approximately 2 seconds— CTX lamp lighted steadily. R— lamp extinguished.
57h	Restore CANS key.	CTX lamp extinguished.
58	Restore ANS, TLK keys.	◆If CDTT key is operated— S1, CS lamps extinguished.◆ High tone silenced. AS, TS lamps extinguished. If ETS provided— FT, S1, CS lamps extinguished. If LAMA-C provided— CS, S1 lamps extinguished.
59	Momentarily operate RL key.	All lamps extinguished. If test attendant trunk is arranged for console operation— At test console— PA/RLS, TST lamps extinguished.
60	At MTF— Restore all keys and switches not required in next test.	
61j	If test attendant trunk is arranged for console operation and no other tests are to be made— At test console— Remove attached cord of test console from CNTX TST CONN T jack.	
62j	Remove head telephone set from operator telephone jack.	
63k	If test attendant trunk is arranged for 608A switchboard operation and no other tests are to be made— At test set— Remove patching cord from IRT jack to IRT	

SECTION 218-331-501

STEP	ACTION	VERIFICATION
	jack of test circuit for register and CAMA sender circuit.	
64k	Restore MF key.	
65k	At MTF— Remove handset from ORT jack.	
V. Station Retransfer to Attendant		
32	At MTF— Operate CTLB, TLT2, TLK keys.	
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, TS lamps lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
34	Operate ANS key; <i>start timing</i> .	◆If CDTT key is operated— CS lamp lighted.◆ If ETS or LAMA-C provided— CS lamp lighted. High tone heard. R— lamp extinguished.
35	After 6 to 8 seconds— Restore ANS key for 1 second.	High tone silenced. If ETS or LAMA-C provided ◆or CDTT key operated◆ — CS lamp extinguished while ANS key restored.
36	Operate CTX1 key.	
37	Operate CTX4 key.	
38	Restore ANS key.	◆If CDTT key is operated— CS lamp extinguished.◆ If ETS or LAMA-C provided— CS lamp extinguished.
39	Dial number assigned to centrex terminating test line 2.	TS2 lamp lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
40	Restore CTX1 key.	Ringing tone silenced.

STEP	ACTION	VERIFICATION
41	Operate CTX2 key.	R— lamp extinguished.
42	Restore CTX4 key.	In 2 to 5 seconds— TS lamp extinguished.
43	Restore TLK key for 1 second.	Dial tone heard.
44	Dial 0.	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— TX lamp flashes at 60 ipm.
45g	If test attendant trunk is arranged for console operation— At test console— Momentarily operate PA/RLS key.	PA/RLS lamp lighted.
46g	Momentarily operate TST key.	PA/RLS lamp extinguished. SRC lamp flashes at 60 ipm. Audible signal sounds.
47g	Momentarily operate Talk key associated with flashing SRC lamp.	Talk, SRC lamps lighted. Audible signal silenced. TST, CW lamps extinguished. At MTF— Ringing tone silenced. Talking path established between MTF and test console.
48g	At test console— After 5 seconds— Momentarily operate STI key.	RDY lamp lighted. Dial tone heard.
49g	Dial office directing digit, if required, and four digits associated with terminating test line 1(B).	
50g	Momentarily operate END key.	RDY lamp extinguished. DEST lamp flashes at 30 ipm. Ringing tone heard. At MTF— TS lamp lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.

SECTION 218-331-501

STEP	ACTION	VERIFICATION
51g	Operate ANS key.	♦If CDTT key is operated— CS lamp lighted.♦ If ETS or LAMA-C provided— CS lamp lighted. R— lamp extinguished. High tone heard. At test console— DEST lamp lighted. High tone heard.
52g	Momentarily operate RLS DEST key.	DEST lamp extinguished. High tone silenced. At MTF— TS lamp extinguished. High tone silenced. If ETS or LAMA-C provided— CS lamp extinguished. ♦If CDTT key is operated— CS lamp extinguished.♦
53g	Restore ANS key.	
54g	At test console Momentarily operate STI key.	RDY lamp lighted. Dial tone heard.
55g	Dial directing digit if required, and four digits associated with terminating test line 1B.	
56g	Momentarily operate END key.	RDY lamp extinguished. DEST lamp flashes at 30 ipm. Ringing tone heard. At MTF— TS lamp lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
57g	Operate ANS key.	♦If CDTT key is operated— CS lamp lighted.♦ If ETS or LAMA-C provided— CS lamp lighted. R— lamp extinguished. High tone heard. At test console— DEST lamp lighted. High tone heard.
58g	Momentarily operate PA/RLS key.	High tone silenced. After 2 seconds— All lamps extinguished.

STEP	ACTION	VERIFICATION
59g	At MTF— Restore TLK key.	◆If CDDT key is operated— S1, CS lamps extinguished. If LAMA-C provided— S1 lamp extinguished.◆ If ETS provided— FT, S1 lamps extinguished. AS lamp extinguished. TS lamp extinguished in 13 to 19 seconds. If ETS or LAMA-C provided— CS lamp extinguished.
60h	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Operate CANS keys.	CTX lamp extinguished. Ringing tone silenced.
61h	After 5 seconds— Operate STI key.	RDY lamp lighted.
62h	At handset in ORT jack— Set TALK switch to TALK.	Dial tone heard.
63h	Dial office directing digit, if required, and four digits associated with terminating test line 1(B).	
64h	Restore TALK switch to MON.	
65h	At MTF— Restore STI key.	TS lamp lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes. CTX lamp flashes at 30 ipm. RDY lamp extinguished.
66h	At handset in ORT jack— Set TALK switch to TALK.	Ringing tone heard.
67h	At MTF— Operate ANS key.	Within 2 seconds— CTX lamp lighted steadily. R— lamp extinguished. High tone heard at telephone and handset.
68h	Momentarily operate RD key.	TS, CTX lamps extinguished.
69h	At handset in ORT jack— Restore TALK switch to MON.	High tone silenced.
70h	At MTF— Restore ANS key.	
71h	Operate STI key.	RDY lamp lighted.

SECTION 218-331-501

STEP	ACTION	VERIFICATION
72h	At handset in ORT jack— Set TALK switch to TALK.	Dial tone heard.
73h	Dial office directing digit, if required, and four digits associated with terminating test line 1(B).	
74h	At MTF— Restore STI key.	TS lamp lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes. CTX lamp flashes at 30 ipm. RDY lamp extinguished.
75h	Operate ANS key.	◆If CDTT key is operated— CS lamp lighted.◆ If ETS or LAMA-C provided— CS lamp lighted. Within 2 seconds— CTX lamp lighted. High tone heard.
76h	Restore CANS key.	At handset in ORT jack— High tone silenced. At MTF— CTX lamp extinguished.
77h	At handset in ORT jack— Restore TALK switch to MON.	
78	At MTF— Operate CTX1 key.	◆If CDTT key is operated— CS lamp extinguished.◆ High tone silenced. If ETS or LAMA-C provided— CS lamp extinguished.
79	Restore ANS key.	
80	Operate CTX4 key.	
81	After 3 seconds— Momentarily restore TLK key.	TS lamp may momentarily flash. Dial tone heard.
82	Dial number assigned to centrex terminating test line 2.	R— lamp flashes. Ringing tone heard in unison with R— lamp flashes. TS2 lamp lighted.
83	Restore CTX1 key.	Ringing tone silenced.
84	Momentarily operate RL key.	

STEP	ACTION	VERIFICATION
85	Restore all keys and switches not required in next test.	
86j	If test attendant trunk is arranged for console operation and no other tests are to be made— At test console— Remove attached cord of test console from CNTX TST CONN T jack.	
87j	Remove head telephone set from operator telephone jack.	
88k	If test attendant trunk is arranged for 608A switchboard operation and no other tests are to be made— At MTF— Remove handset from ORT jack.	
W. Don't Answer Transfer		
32	Operate CTLB, TLT2, TLK keys.	
33	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, TS lamps 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 65 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 interval is exceeded— TS, R— lamps extinguished. 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.</p>

SECTION 218-331-501

STEP	ACTION	VERIFICATION
34g	If test attendant trunk is arranged for console operation— At test console— Momentarily operate PA/RLS key.	
35g	Operate TST key for approximately 1 second.	PA/RLS lamp extinguished. SRC lamp flashes at 60 ipm. Audible signal sounds.
36g	Momentarily operate Talk key associated with flashing SRC lamp.	Talk, SRC lamps lighted. TST, CW lamps extinguished. Audible signal silenced. At MTF— Ringing tone silenced. Talking path established between MTF and test console.
37g	Restore TLK key; <i>start timing</i> .	◆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. Talking path removed between MTF and test console.
38g	At test console— Within 13 seconds— Momentarily operate PA/RLS key.	All lamps extinguished.
39g	At MTF— Momentarily operate RL key.	All lamps extinguished.
40h	If test attendant trunk is arranged for 608A switchboard operation— Operate CANS key.	CTX lamp extinguished. R— lamp extinguished. Ringing tone silenced.
41h	At handset in ORT jack— Set TALK switch to TALK.	Talking path established between MTF and handset at ORT jack.
42h	Restore TALK switch to MON.	Talking path removed between MTF and handset at ORT jack.
43h	At MTF— Restore CANS, TLK keys.	◆If CDTT key is operated— S1 lamp extinguished.◆ AS lamp extinguished. If ETS provided— FT, S1 lamps extinguished. If LAMA-C provided— S1 lamp extinguished.

STEP	ACTION	VERIFICATION
44h	Momentarily operate RL key.	All lamps extinguished.
45	Restore all keys and switches not required in next test.	
46j	If test attendant trunk is arranged for console operation and no other tests are to be made— At test console— Remove attached cord of test console from CNTX TST CONN T jack.	
47j	Remove head telephone set from operator telephone jack.	
48k	If test attendant is arranged for 608A switchboard operation and no other tests are to be made— At MTF— Remove handset from ORT jack.	
X. All Attendant Trunks Busy on Transfer Call		
32g	If test attendant trunk is arranged for 608A switchboard operation— At relay rack frame— Set MB switch of test attendant trunk to MB.	
33h	If test attendant trunk is arranged for console operation— At MTF— Insert make-busy plug into MB jack.	
34	Operate CTLB, TLT2, TLK keys.	
35	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, TS lamps lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.</p>
36	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. R— lamp extinguished.</p>

SECTION 218-331-501

STEP	ACTION	VERIFICATION
37	After 6 to 8 seconds— Restore ANS key for 1 second.	High tone silenced. If ETS or LAMA-C provided or CDTT key operated — CS lamp extinguished while ANS key restored.
38	Operate CTX1 key.	Dial tone heard.
39	Dial 0.	120-ipm tone heard.
40	Restore CTX1 key.	120-ipm tone silenced.
41	Restore ANS key for 1 second.	High tone heard.
42	Restore TLK, ANS keys.	If CDTT key is operated— S1, CS lamps extinguished. AS, TS lamps extinguished. If ETS provided— S1, CS lamps extinguished. If LAMA-C provided— CS, S1 lamps extinguished.
43	Momentarily operate RL key.	All lamps extinguished. If ETS provided— FT, lamp remains lighted.
44g	If test attendant trunk is arranged for 608A switchboard operation— Remove plug from MB jack.	If ETS provided— FT lamp extinguished.
45h	If test attendant trunk is arranged for console operation— At relay rack frame— Set MB switch to N.	If ETS provided— FT lamp extinguished.
46	At MTF— Restore all keys and switches not required in next test.	

Y. Transferred-to Station Transfer to Attendant—All Attendant Trunks Busy

32g	If test attendant trunk is arranged for console operation— At relay rack frame— Set MB switch of test attendant trunk to MB.	
33h	If test attendant trunk is arranged for 608A switchboard operation— At MTF— Insert make-busy plug into MB jack.	

STEP	ACTION	VERIFICATION
34	Operate CTLB, TLT2, TLK keys.	
35	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, TS lamps lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
36	Operate ANS key; <i>start timing</i> .	◆If CDTT key is operated— CS lamp lighted.◆ If ETS or LAMA-C provided— CS lamp lighted. High tone heard. R— lamp extinguished.
37	After 6 to 8 seconds— Restore ANS key for 1 second.	High tone silenced. If ETS or LAMA-C provided or CDTT key operated— CS lamp extinguished while ANS key restored.
38	Operate CTX1 key.	Dial tone heard.
39	Operate CTX4 key.	
40	Restore ANS key.	◆If CDTT key is operated— CS lamp lighted.◆ If ETS or LAMA-C provided— CS lamp extinguished.
41	Dial number assigned to centrex terminating test line 2.	TS2 lamp lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
42	Restore CTX1 key.	Ringing tone silenced.
43	Operate CTX2 key.	R_ lamp extinguished.
44	Restore CTX4 key; <i>start timing</i> .	In 2 to 5 seconds— TS lamp extinguished.
45	Operate ANS key.	◆If CDTT key is operated— CS lamp lighted.◆ If ETS or LAMA-C provided— CS lamp lighted.

SECTION 218-331-501

STEP	ACTION	VERIFICATION
46	Operate CTX4 key.	
47	Restore TLK key for 1 second.	Dial tone heard.
48	Dial 0.	120-ipm tone heard.
49	Restore CTX2 key.	120-ipm tone silenced.
50	Restore ANS key for 1 second.	High tone heard.
51	Restore TLK, ANS keys.	<p>◆If CDTT key is operated— S1, CS lamps extinguished.◆ AS, TS2 lamps extinguished. High tone silenced. If ETS provided— CS, S1 lamps extinguished. If LAMA-C provided— CS, S1 lamps extinguished.</p>
52	Momentarily operate RL key.	<p>All lamps extinguished. If ETS provided— FT lamp remains lighted.</p>
53h	<p>If test attendant trunk is arranged for 608A switchboard operation— Remove plug from MB jack.</p>	<p>If ETS provided— FT lamp extinguished.</p>
54g	<p>If test attendant trunk is arranged for console operation— At relay rack frame— Set MB switch to N.</p>	<p>If ETS provided— FT lamp extinguished.</p>
55	<p>At MTF— Restore all keys and switches not required in next test.</p>	

Z. Transferred-to-Station Dials Busy Station

32	Operate CTLB, TLT2, TLK keys.	
33	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, TS lamps lighted. R— lamp flashes. Ringing tone heard in unison with R_ lamp flashes.</p>

STEP	ACTION	VERIFICATION
34	Operate ANS key; <i>start timing</i> .	♦If CDTT key is operated— CS lamp lighted.♦ If ETS or LAMA-C provided— CS lamp lighted. High tone heard. R_ lamp extinguished.
35	After 6 to 8 seconds— Restore ANS key for 1 second.	High tone silenced. If ETS or LAMA-C provided ♦or CDTT key operated♦ — CS lamp extinguished while ANS key restored.
36	Operate CTX1 key.	Dial tone heard.
37	Operate CTX4 key.	
38	Restore ANS key.	♦If CDTT key is operated— CS lamp extinguished.♦ If ETS or LAMA-C provided— CS lamp extinguished.
39	Dial number assigned to centrex terminating test line 2.	TS2 lamp lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
40	Restore CTX1 key.	Ringing tone silenced.
41	Operate CTX2 key.	R— lamp extinguished.
42	Restore CTX4 key; <i>start timing</i> .	In 2 to 5 seconds— TS lamp extinguished.
43	Operate ANS key.	
44	Operate CTX4 key.	
45	Restore TLK key for 1 second.	Dial tone heard.
46	Dial digits assigned permanent busy number.	Line-busy tone heard.
47	Restore CTX2 key.	Line-busy tone silenced.
48	Restore ANS key for 1 second.	High tone heard.
49	Restore TLK, ANS keys.	♦If CDTT key is operated— S1, CS lamps extinguished.♦ AS, TS2 lamps extinguished. High tone silenced. If ETS provided— FT, S1 lamps extinguished.

SECTION 218-331-501

STEP	ACTION	VERIFICATION
		If LAMA-C provided— S1 lamp extinguished.
50	Momentarily operate RL key.	All lamps extinguished.
51	Restore all keys and switches not required in next test.	
AA. Cancel Transfer Request and Abandoned Call		
32	Operate CTLB, TLT2, TLK keys.	
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, TS lamps lighted R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
34	Operate ANS key; <i>start timing</i> .	♦If CDTT key is operated— CS lamp lighted.♦ If ETS or LAMA-C provided— CS lamp lighted. High tone heard. R— lamp extinguished.
35	After 6 to 8 seconds— Restore ANS key for 1 second.	High tone silenced. If ETS or LAMA-C provided ♦or CDTT key operated♦ — CS lamp extinguished while ANS key restored.
36	Operate CTX1 key.	Dial tone heard.
37	Restore TLK key for 1 second.	Dial tone silenced.
38	Restore CTX1 key.	High tone heard.
39	Restore ANS key for 1 second.	
40	Operate CTX1 key.	Dial tone heard.
41	Restore TLK key; <i>start timing</i> .	In 2 to 5 seconds— TS lamp extinguished. Dial tone silenced.
42	Restore ANS, CTX1 keys.	AS lamp extinguished. If ETS provided—

STEP	ACTION	VERIFICATION
		FT, S1, CS lamps extinguished. If LAMA-C provided— CS, S1 lamps extinguished. ♦If CDTT key is operated— S1, CS lamps extinguished.♦
43	Momentarily operate RL key.	All lamps extinguished.
44	Restore all keys and switches not required in next test.	
AB. Transfer Request—All Transfer Trunks Busy		
32	Operate CNTX, CTLB, TLT2, TLK keys.	
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, TS lamps lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
34	Operate ANS key; <i>start timing</i> .	♦If CDTT key is operated— CS lamp lighted.♦ High tone heard. R— lamp extinguished. If ETS or LAMA-C provided— CS lamp lighted.
35	After 6 to 8 seconds— Restore ANS key for 1 second.	High tone silenced. If ETS or LAMA-C provided ♦or CDTT key operated♦ — CS lamp extinguished while ANS key restored.
36	Operate CTX1 key.	Dial tone heard.
37	Restore ANS key for 1 second.	Dial tone silenced.
38	Restore CTX1 key.	High tone heard.
39	At relay rack frame— Insulate 1B of DCO relay of trunk under test.	
40	At MTF— Restore ANS key for 1 second.	High tone still heard.

SECTION 218-331-501

STEP	ACTION	VERIFICATION
41	At relay rack frame— Remove insulator from 1B of DCO relay.	
42	At MTF— Restore ANS key for 1 second.	
43	Restore ANS, TLK keys.	◆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. High tone silenced. AS, TS lamps extinguished.
44	Momentarily operate RL key.	All lamps extinguished.
45	Restore all keys and switches not required in next test.	
AC. Class-of-Service Registration		
32	Operate CTLB, TLT2, KCS, TLK keys.	
33	Select class of service assigned to terminating test line 1(C).	
34	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, TS lamps lighted. R— lamp flashes. Ringing tone heard in unison with R— lamp flashes.
35	Operate ANS key; <i>start timing</i> .	◆If CDTT key is operated— CS lamp lighted.◆ If ETS or LAMA-C provided— CS lamp lighted. High tone heard. R— lamp extinguished.
36	After 6 to 8 seconds— Restore ANS key for 1 second.	High tone silenced. If ETS or LAMA-C provided ◆or CDTT key operated◆ — CS lamp extinguished while ANS key restored.
37	Operate CTX1 key.	Dial tone heard.

STEP	ACTION	VERIFICATION
38	Dial 0.	Dial tone silenced. Trouble record taken. CST_ CSU_ indications perforated corresponding to class of service.
39	Restore CTX1 key.	
40	Momentarily operate RL key.	All lamps extinguished.
41	Select class of service corresponding to test class of service CTX3.	
42	Repeat Steps 34 through 40.	
43	Select class of service corresponding to test class of service CTX4.	
44	Repeat Steps 34 through 40.	
45	Restore all keys and switches not required in next test.	
AD. Cancel Transfer		
32	Operate CTLB, TLT2, TLK keys.	
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. R_ lamp flashes. Ringing tone heard in unison with R_ lamp flashes.
34	Operate ANS key; <i>start timing</i> .	◆If CDTT key is operated— CS lamp lighted.◆ If ETS or LAMA-C provided— CS lamp lighted. . High tone heard. R_ lamp extinguished.
35	After 6 to 8 seconds— Restore ANS key; <i>start timing</i> .	High tone silenced. If ETS or LAMA-C provided— CS lamp extinguished. ◆If CDTT key is operated— CS lamp extinguished.◆
36	After 6 seconds— Operate ANS key.	

SECTION 218-331-501

STEP	ACTION	VERIFICATION
37	Operate CTX1 key.	Dial tone <i>not</i> heard.
38	Momentarily operate RL key.	All lamps extinguished.
39	Restore all keys and switches not required in next test.	