DIAL PULSE OUTGOING SENDERS
FOR LINE LINK PULSING
TESTS USING SENDER TEST SET SD-25674-01 (J24756A)
NO. 5 CROSSBAR OFFICES

1. GENERAL

1.01 This section describes tests of dial pulse outgoing senders SD-26050-01, arranged for line link pulsing (LLP), and dial pulse outgoing senders SD-27629-01, used only for line link pulsing.

1.02 The reasons for reissuing this section are listed below. Revision arrows are used to emphasize the more significant changes. Equipment Test Lists are not affected.

(a) To revise test procedures to include offices arranged with Electronic Translation System (ETS) prior to being equipped with line link pulsing.

(b) To make minor changes as required.

1.03 When testing dial pulse outgoing senders SD-26050-01, only those tests which are not made in Section 218-150-503 need be made in this section.

1.04 The tests covered are:

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*A. **Regular Call:*** This test checks that the sender records information from a marker and that it outpulses satisfactorily. 4

*B. **Abandoned Call:*** This test checks that the sender releases when the call is abandoned. 4

*C. **Deleted:***

*D. **Reversed Trunk and Intersender Timing:*** This test checks that the sender will recognize a reversed line circuit and set the line circuit to overflow. It also checks on line circuits where timing is required for connection of a sender at the distant office, that if start pulsing polarity is not returned in 4 to 8 seconds and the marker finds all other senders of the group busy, the line circuit is set to overflow and the sender releases. 5

*E. **Battery and Ground Pulsing:*** This test checks that the sender supplies battery and ground pulsing. . 6

*F. **Fixed Arbitrary Digits:*** This test checks that the sender will outpulse cross-connected arbitrary digits when the sender class relay CL1 is operated. 7

*G. **Antiglare Test:*** This test checks that when the sender is used with 2-way line circuits with sender class relay CL6 operated, the sender will time properly for changes in supervision before pulsing and during interdigital timing. 8

*H. **Trunk Test-Open Trunk:*** This test checks on one-way line circuits where the initial supervision is expected to be on-hook, that an initial off-hook will be recognized by the sender which will set the line circuit to overflow and release. 9

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I. Wink-Start Test: This test checks that when the sender class relay CL3 is operated, the sender will recognize a wink-start reversal as a valid start dial signal. 9

J. Timing Features: This test checks that the sender releases and sets the line circuit to overflow if it cannot complete its functions in 20 to 32 seconds. 10

K. Cancel-Timed Release and Alarm: This test checks that, with the associated CTR_ key operated, the sender will not release after time-out and it will operate the stuck sender alarm. 11

L. Sender Busy: This test checks that the sender appears busy when in use or when made busy at the associated MB_ jack, and also that it appears idle when not in use or made busy. . . 12

M. Stop Dial Test: This test checks that the sender will recognize a reversal of the tip and ring during the between digit interval as a stop dial signal and a return to on-hook supervision will cause the sender to continue outpulsing. 12

N. Marker Reorder Test: This test checks the ability of the marker to operate the line circuit to overflow and release. 13

O. Recycle of TM Timer After Stop Dial Signal: This test checks the ability of the sender to recycle the TM timer (when this feature is provided) on line circuits where timing is required for connection of a sender at the distant office. 13

P. Immediate Reorder on Stop Dial Signal and Hold Forward Feature: This test checks that immediate reorder is returned when a stop dial signal is received during the interdigital interval on calls to a step-by-step office not requiring stop-go dialing operation. It also checks that the sender will hold the trunk connection to the called step-by-step office when an unexpected stop dial signal is encountered. . . 14

1.05 ***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 series of lettered steps should be made is given in the ACTION column, and all steps governed by the same condition are designated by the same letter within a test. Where a condition does not apply, all steps designated by that letter should be omitted.

1.06 Local instructions should be followed for recording and reporting stuck sender register operations caused by performing these tests.

1.07 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 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 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 discontined lamps, such as DT, ORIG, ITDO, ITNP, OGT, etc.

2. APPARATUS

All Tests Except L

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

2.02 Sender test set, J24756A (SD-25674-01).

2.03 Sender test circuit, SD-25675-01.

2.04 Two testing cords, 20 conductor, 6 feet long, equipped with one KS-13875 plug and one KS-13895 plug (W20C cord) (for patching test set to test circuit).

Tests D, ▶G,◀ H, J, K, N, O, and P

2.05 Head telephone set.

Tests D, G, H, J, K, O, and P

2.06 KS-3008 stopwatch, or equivalent.

Tests B, D, E, J, K and O

2.07 Patching cord, P3F cord, 4 feet long, equipped with one 309 plug and one 310 plug (SP12A cord) for digit control.

Test L

2.08 Test receiver, 67c or equivalent, equipped with one KS-6278 connecting clip (for checking the presence or absence of ground).

2.09 322A (make-busy) plugs, as required.

Test P

2.10 Volt-ohm-milliammeter KS-14510-L1 or equivalent.

▶Tests D, H, L◀

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

3. PREPARATION

STEP	ACTION	VERIFICATION
	Refer to paragraph 1.07.	
	All Tests Except L	
1	At MTF— Restore all keys and switches.	
2	Momentarily operate RL key.	All lamps extinguished.
3	Patch sender test set SDT1, SDT2 jacks to SDT1, SDT2 jacks.	
4	Select sender class of test.	
5	Select outgoing sender.	
6	Select completing marker.	
7	Operate LLPT key.	
8a	▶If a particular line circuit is to be used— Select LLP line circuit.◀	
9b	If selected line circuit is made busy— Operate NTLS key.	
	All Tests Except K, P	
10	At jack, lamp, and key circuit— Release (push-in) CTR_ key.	

STEP	ACTION	VERIFICATION
	Note: When the SSTI circuit (SD-27839-01) is in use in an office, the SSI and ACTR keys should be in the OFF position when testing senders.	

4. METHOD

STEP	ACTION	VERIFICATION
A. Regular Call		
11	At MTF— Operate keys and set switches in accordance with Test Chart Tests 1 through 14.	
12c	If sender class requires start dial signal— At sender test set— Operate REV key.	
13	Momentarily operate ST key.	TTC lamp lighted. If sender does ***not*** require start dial signal— A lamp lighted. 0 to 9 lamps lighted momentarily for each digit outpulsed.
14c	If sender class requires start dial signal— Release REV key.	A lamp lighted. 0 to 9 lamps lighted momentarily for each digit outpulsed.
15	Momentarily operate RL key.	All lamps extinguished.
16	Repeat Steps 11 through 15 for various class marks and digits as indicated in test chart.	
17d	If no further tests are to be made— Restore all keys and switches.	
18d	Operate (pull-out) CTR_ key.	
B. Abandoned Call		
11	At MTF— Operate keys and set switches in accordance with Test Chart Test 15.	
12	At jack, lamp, and key circuit— Patch SDT jack to sender MB_ jack.	
13c	If sender class requires start dial signal— At sender test set— Operate REV key.	

STEP	ACTION	VERIFICATION
14	Momentarily operate ST key.	TTC lamp lighted. If sender does not require start dial signal— A lamp lighted. One 0 to 9 lamp lighted momentarily for first digit outpulsed.
15c	If sender class requires start dial signal— Release REV key.	A lamp lighted. One 0 to 9 lamp lighted momentarily for first digit outpulsed.
16	Operate DISC key.	TTC, A lamps extinguished.
17	Momentarily operate RL key.	All lamps extinguished.
18d	If no further tests are to be made— Restore all keys and switches.	
19d	Remove all patching cords.	
20d	Operate (pull-out) CTR_ key.	

C. Deleted

D. Reversed Trunk and Intersender Timing

11	At MTF— Operate keys and set switches in accordance with Test Chart Tests 17 through 20.	
12	At jack, lamp, and key circuit— Patch SDT jack to sender MB_ jack.	
13	At sender test set— Patch head telephone set to REC jack.	
14c	If sender class requires start dial signal— Operate REV key.	
15c	Momentarily operate ST key.	TTC lamp lighted.
16c	Momentarily release REV key.	A lamp lighted. One 0 to 9 lamp lighted for first digit.
17c	Momentarily operate ST key.	
18c	Momentarily release REV key.	One 0 to 9 lamp lighted for second digit.
19c	Momentarily operate ST key.	Overflow tone heard. ***Note:*** If only CL2 class relay in the sender is operated, overflow tone may not be heard depending on the options in the sender.

STEP	ACTION	VERIFICATION
20d	If sender class does not require start dial signal— Momentarily operate ST key.	TTC, A lamps lighted. One 0 to 9 lamp lighted for first digit.
21d	Operate REV key.	
22d	Momentarily operate ST key.	
23d	Momentarily release REV key.	One 0 to 9 lamp lighted momentarily for second digit.
24d	Momentarily operate ST key.	Overflow tone heard. ***Note:*** If only CL2 class relay in the sender is operated, overflow tone may not be heard depending on the options in the sender.
25	Momentarily operate RL key.	All lamps extinguished. Overflow tone not heard.

Intersender Timing (Wire-spring Senders Only)

26	At outgoing sender group release circuit— Block operated R_ relay of sender group release circuit associated with the sender under test.	
27	At sender test set— Operate REV key.	
28	Momentarily operate ST key; ***start timing.***	TTC lamp lighted. In 4.4 to 8.4 seconds— Overflow tone heard.
29	Momentarily operate RL key.	All lamps extinguished. Overflow tone not heard.
30e	If no further tests are to be made— Restore all keys and switches.	
31e	Remove all patching cords.	
32e	Operate (pull-out) CTR_ key.	

E. Battery and Ground Pulsing

11	At MTF— Operate keys and set switches in accordance with Test Chart Test 21.	

STEP	ACTION	VERIFICATION
12	At sender test set— Momentarily operate ST key.	TTC, A lamps lighted. 0 to 9 lamps lighted momentarily for each digit outpulsed.
13	Momentarily operate RL key.	All lamps extinguished.
14c	If no further tests are to be made— Restore all keys and switches.	
15c	Remove all patching cords.	
16c	Operate (pull-out) CTR_ key.	

F. Fixed Arbitrary Digits.

11	At MTF— Operate keys and set switches in accordance with Test Chart Tests 22 and 23.	
12	At jack, lamp, and key circuit— Patch SDT jack to sender MB_ jack.	
13c	If sender class requires start dial signal— At sender test set— Operate REV key.	
14	Momentarily operate ST key.	TTC lamp lighted. If sender class does not require start dial signal— A lamp lighted. One 0 to 9 lamp lighted momentarily for first arbitrary digit outpulsed.
15c	If sender class requires start dial signal— Release REV key.	A lamp lighted. One 0 to 9 lamp lighted momentarily for first arbitrary digit outpulsed.
16	Momentarily operate ST key.	One 0 to 9 lamp lighted momentarily for second arbitrary digit outpulsed.
17	Momentarily operate RL key.	All lamps extinguished.
18d	If no further tests are to be made— Restore all keys and switches.	
19d	Remove all patching cords.	
20d	Operate (pull-out) CTR_ key.	

STEP	ACTION	VERIFICATION
G. Antiglare Test		
11	At MTF— Operate keys and set switches in accordance with Test Chart Test 24.	
12	At sender test set— Patch head telephone set to REC jacks.	
13	Momentarily operate ST key.	TTC lamp lighted. 0 to 9 lamps lighted momentarily for each digit outpulsed.
14	Momentarily operate RL key.	All lamps extinguished.
15	Operate REV key.	
16	Momentarily operate ST key.	TTC lamp lighted.
17	Release REV key; ***start timing.***	Start of outpulsing delayed 1.9 to 3.6 seconds. 0 to 9 lamps lighted momentarily for each digit outpulsed.
18	Momentarily operate RL key.	All lamps extinguished.
19	Operate REV key.	
20	Momentarily operate ST key.	TTC lamp lighted.
21	Momentarily release REV key.	Outpulsing does ***not*** start.
22	Release REV key; ***start timing.***	In 1.9 to 3.6 seconds— 0 to 9 lamps lighted momentarily for each digit outpulsed.
23	Momentarily operate RL key.	All lamps extinguished.
24	Operate REV key.	
25	Momentarily operate ST key.	TTC lamp lighted.
26	Momentarily release REV key.	Outpulsing does ***not*** start.
27	Momentarily release REV key.	Overflow tone heard.
28	Momentarily operate RL key.	All lamps extinguished.
29c	If no further tests are to be made— Restore all keys and switches.	
30c	Remove all patching cords.	

STEP	ACTION	VERIFICATION
31c	Operate (pull-out) CTR_ key.	
H. Trunk Test—Open Trunk		
11	Operate keys and set switches in accordance with Test Chart Test 25.	
12c	If markers are not equipped to insure light traffic on test calls— At marker— Block operated HTT relay.	
13	At sender test circuit— Patch head telephone set to REC jack.	
14	Momentarily operate ST key.	TTC lamp lighted. Overflow tone heard. Trouble recorder card perforated for TGT.
15	Momentarily operate RL key.	All lamps extinguished.
16c	If markers are not equipped to insure light traffic on test calls— At marker— Remove blocking tool from HTT relay.	
17	At MTF— Operate HTR key.	
18	At sender test set— Momentarily operate ST key; ***start timing.***	TTC lamp lighted. In 19.6 to 37 seconds— Overflow tone heard.
19	Momentarily operate RL key.	All lamps extinguished.
20d	If no further tests are to be made— Restore all keys and switches.	
21d	Remove all patching cords.	
22d	Operate (pull-out) CTR_ key.	
I. Wink-Start Test		
11	Operate keys and set switches in accordance with Test Chart Test 26.	
12	At sender test set— Momentarily operate ST key.	TTC lamp lighted.

STEP	ACTION	VERIFICATION
13	Momentarily operate REV key.	A lamp lighted. 0 to 9 lamps lighted momentarily for each digit outpulsed.
14	Momentarily operate RL key.	All lamps extinguished.
15c	If no further tests are to be made— Restore all keys and switches.	
16c	Remove all patching cords.	
17c	Operate (pull-out) CTR_ key.	

J. Timing Features

11	Operate keys and set switches in accordance with Test Chart Test 27.	
12	At jack, lamp, and key circuit— Patch SDT jack to sender MB_ jack.	
13	At sender test set— Patch head telephone set to REC jack.	
14c	If sender class requires start dial signal— Operate REV key.	
15	Momentarily operate ST key.	TTC lamp lighted. If sender does not require start dial signal— A lamp lighted. One 0 to 9 lamp lighted momentarily for first digit outpulsed. In 20 to 32 seconds— Overflow tone heard. At jack, lamp, and key circuit— TO_ lamp lighted.
16c	If sender class requires start dial signal— Release REV key; ***start timing.***	A lamp lighted. One 0 to 9 lamp lighted momentarily for first digit outpulsed. In 20 to 32 seconds— Overflow tone heard. At jack, lamp, and key circuit— TO_ lamp lighted.
17	Momentarily operate RL key.	All lamps extinguished.
18d	If no further tests are to be made— Restore all keys and switches.	
19d	Remove all patching cords.	

STEP	ACTION	VERIFICATION
20d	Operate (pull-out) CTR_ key.	
K. Cancel-Timed Release and Alarm		
10	Operate keys and set switches in accordance with Test Chart Test 28.	
11	At jack, lamp, and key circuit— Patch SDT jack to sender MB_ jack.	
12	At sender test set— Patch head telephone set to REC jack.	
13c	If sender class requires start dial signal— Operate REV key.	
14	Momentarily operate ST key.	TTC lamp lighted. If sender does not require start dial signal— A lamp lighted. One 0 to 9 lamp lighted momentarily for first digit outpulsed. In 20 to 32 seconds— Overflow tone heard. At jack, lamp, and key circuit— TO_ lamp lighted.
15c	If sender class requires start dial signal— Release REV key; ***start timing.***	A lamp lighted. One 0 to 9 lamp lighted momentarily for first digit outpulsed. In 20 to 32 seconds— Overflow tone heard. At jack, lamp, and key circuit— TO_ lamp lighted.
16	Remove cord from MB_ jack; ***start timing.***	In 10 to 15 seconds— R-S-TOA lamp lighted. Major alarm sounds.
17	Insert cord into sender MB_ jack.	R-S-TOA lamp extinguished. Major alarm silenced. Overflow tone still heard.
18	Momentarily operate DISC key.	Overflow tone silenced.
19	Release (push-in) CTR_ key.	TO_ lamp extinguished.
20d	If office is equipped with alarm transfer— At jack, lamp, and key circuit— Operate (pull-out) CTR_ key.	
21d	Repeat Steps 13c through 16.	

STEP	ACTION	VERIFICATION
22d	Operate NTR key.	TO_ lamp extinguished. Common equipment usage lamps extinguished.
23d	Restore NTR key.	
24d	Momentarily operate RS key.	Common equipment usage lamps flash.
25d	If no further tests are to be made— Restore all keys and switches.	
26d	Remove all patching cords.	

L. Sender Busy

1	At jack, lamp, and key circuit— Insert make-busy plugs into MB_ jacks of all senders in subgroup associated with sender under test.	At sender frame— Ground not present on G26 (SIE lead), G36 (SIO lead), G33 (SP lead) terminals of sender control unit terminal strip.
2	Block operated SB relay.	
3	At jack, lamp, and key circuit— Remove make busy plug from MB_ jack of sender under test.	At sender frame— Ground not present on G26 (SIE lead), G36 (SIO lead), G33 (SP lead) terminals of sender control unit terminal strip.
4	Remove blocking tool from SB relay.	Ground present on G26 (SIE lead), G36 (SIO lead), G33 (SP lead) terminals of sender control unit terminal strip.
5	At jack, lamp, and key circuit— Remove make-busy plugs from MB_ jacks of senders in subgroup associated with sender under test.	
6	Operate (pull-out) CTR_ key.	

M. Stop Dial Test

11	At MTF— Operate keys and set switches in accordance with Test Chart Test 29.	
12c	If sender class requires start dial signal— At sender test set— Operate REV key.	
13	Momentarily operate ST key.	TTC lamp lighted. If sender class does not require start dial signal— A lamp lighted.

STEP	ACTION	VERIFICATION
		0 to 9 lamps lighted momentarily for each digit outpulsed.
14c	If sender class requires start dial signal— Release REV key.	A lamp lighted. 0 to 9 lamps lighted momentarily for each digit outpulsed.
15	Operate REV key. ***Note:*** REV key must be operated before next to last digit is outpulsed.	Sender stops outpulsing.
16	Release REV key.	Sender again outpulses.
17	Momentarily operate RL key.	All lamps extinguished.
18d	If no further tests are to be made— Restore all keys and switches.	
19d	Remove all patching cords.	
20d	Operate (pull-out) CTR_ key.	

N. Marker Reorder Test

11	Operate keys and set switches in accordance with Test Chart Test 30.	
12	At sender test set— Patch head telephone set to REC jack.	
13	Momentarily operate ST key.	TTC lamp lighted. Overflow tone heard.
14	Momentarily operate RL key.	All lamps extinguished.
15c	If no further tests are to be made— Restore all keys and switches.	
16c	Remove all patching cords.	
17c	Operate (pull-out) CTR_ key.	

O. Recycle of TM Timer After Stop Dial Signal

11	At MTF— Operate keys and set switches in accordance with Test Chart Test 31.	
12	At jack, lamp, and key circuit— Patch SDT jack to sender MB_ jack.	

STEP	ACTION	VERIFICATION
13	At sender test set— Patch head telephone set to REC jack.	
14	Operate REV key.	
15	Momentarily operate ST key.	TTC lamp lighted.
16	Release REV key; ***start timing.***	A lamp lighted. One 0 to 9 lamp lighted momentarily for first digit outpulsed. In 20 to 32 seconds— Overflow tone heard.
17	Record time for sender to time out.	
18	Momentarily operate RL key.	All lamps extinguished.
19	Restore DC key.	
20	Remove patch cord from sender MB_ jack.	
21	At sender test set— Operate REV key.	
22	Momentarily operate ST key.	TTC lamp lighted.
23	5 seconds before sender times out— Momentarily release REV key; ***start timing.*** ***Note:*** Use time recorded in Step 17.	A lamp lighted. One 0 to 9 lamp lighted momentarily for first digit outpulsed.
24	5 seconds before sender times out— Release REV key.	0 to 9 lamps lighted momentarily for remaining digits outpulsed.
25	Momentarily operate RL key.	All lamps extinguished.
26c	If no further tests are to be made— Restore all keys and switches.	
27c	Remove all patching cords.	
28c	Operate (pull-out) CTR_ key.	
P.	**Immediate Reorder on Stop Dial Signal and Hold Forward Feature**	
10	At MTF— Operate keys and set switches in accordance with Test Chart Test 32.	
11	At sender test set— Patch head telephone set to REC jack.	

STEP	ACTION	VERIFICATION
12c	If sender class requires start-dial signal— At sender test set— Operate REV key.	
13	Momentarily operate ST key.	TTC lamp lighted. If sender class does not require start dial signal— A lamp lighted. 0 to 9 lamps lighted momentarily for each digit outpulsed.
14c	If sender class requires start dial signal— Release REV key.	A lamp lighted 0 to 9 lamps lighted momentarily for each digit outpulsed.
15	Operate REV key. ***Note:*** REV key must be operated before next to last digit is outpulsed.	Sender stops outpulsing. If sender under test is arranged for immediate reorder on stop dial signal ***without*** hold forward feature— Overflow tone heard. If sender under test is arranged for immediate reorder on stop dial signal ***with*** hold forward feature— Overflow tone heard. At sender frame— Zero resistance reading between E12 (T lead) and E22 (R lead) terminals of pulse control unit terminal strip. If sender under test is arranged for hold forward feature ***without*** immediate reorder on stop dial signal— In 20 to 32 seconds— Overflow tone heard. At sender frame— Zero resistance reading beteen E12 (T lead) and E22 (R lead) terminals of pulse control unit terminal strip. At jack, lamp, and key circuit— TO_ lamp lighted.
16	At MTF— Momentarily operate RL key.	TTC, A lamps extinguished. Overflow tone silenced.
17	At jack, lamp, and key circuit— Release (push-in) CTR_ key.	TO_ lamp extinguished. R-S-TOA lamp extinguished if lighted. Major alarm silenced if sounded.
18	Restore all keys and switches not required in next test.	
19	Remove all patching cords not required in next test.	

STEP	ACTION	VERIFICATION
20	Operate (pull-out) CTR_ key.	

5. PREPARATION OF TEST CHART

5.01 The test chart is used as a particular number chart and provides the priming information required for each test. Information obtained from local office records shall be used to fill in the test chart in the following manner.

(a) Select Office Designation (OA, OB, etc) required for the marker to direct the call to the proper number group which contains the directory numbers of the line link pulsing line circuit. Record in Office Designation column.

(b) Record A through K digits required for the marker to direct the call to a working line link pulsing line circuit in the office selected in (a).

(c) Under SDT switch setting column, record DP-OCX, DP-LP, or DP-BG as required for proper supervision of the selected line link pulsing line circuit.

Note: In cases where the type of supervision is pertinent to a particular test, the setting has been preprinted.

(d) Record any arbitrary digits prefixed by the marker or sender in the Arbitrary Digits columns.

(e) In the Class Mark to Sender column, record the class mark sent to the sender by the marker.

Note: In cases where the class mark is pertinent to a test, it has been preprinted. This class mark may be used alone or in combination with other class marks.

(f) Record the number of digits to be deleted in the DL_ column.

5.02 ***Test A***

(a) Apply paragraph 5.01 (a) through (f).

Note: Directory numbers should be selected for each LR_ relay that presents a different CL_ class mark or combination of class marks, arbitrary digits or delete mark to the sender. If possible numbers should also be selected to check each two-of-five digit combination outpulsed by the sender.

5.03 ***Test B***

(a) Apply paragraph 5.01 (a) through (c).

5.04 ***Test D***

(a) Apply paragraph 5.01 (a) through (c) and (e).

5.05 ***Test E***

(a) Apply paragraph 5.01 (a) through (d) and (f).

5.06 ***Test F***

(a) Apply paragraph 5.01 (a) through (d) and (f).

Note: Class mark CL1 may be used in combination with any other class mark.

5.07 ***Test G***

(a) Apply paragraph 5.01 (a) and (b).

5.08 ***Test H***

(a) Apply paragraph 5.01 (a) through (c).

5.09 ***Test I***

(a) Apply paragraph 5.01 (a) through (c).

5.10 ***Test J***

(a) Apply paragraph 5.01 (a) through (c).

5.11 ***Test K***

(a) Apply paragraph 5.01 (a) through (c).

5.12 ***Test M***

(a) Apply paragraph 5.01 (a) through (f).

5.13 ***Test N***

(a) Apply paragraph 5.01 (a) through (c).

5.14 ***Test O***

(a) Apply paragraph 5.01 (a) through (f).

5.15 ***Test P***

(a) Select an office code that will not operate sender class relay CL2.

(b) Apply paragraph 5.01 (a) through (f).

TEST CHART

TEST	TYPE OF TEST	TEST NO	MASTER TEST FRAME PRIMING												*MISCELLANEOUS INFORMATION						
			OFF DESIG	DIRECTORY NUMBER										SDT SWITCH SETTING	MISCELLANEOUS KEYS & SWITCHES		ARBITRARY DIGITS			CLASS MARK TO SDR	DELETE MARK TO SDR	TEST NO	TEST
				A	B	C	D	E	F	G	H	J	K				AR	BR	CR	CL-	DL-		
A	Regular Call	1																				1	A
		2																				2	
		3																				3	
		4																				4	
		5																				5	
		6																				6	
		7																				7	
		8																				8	
		9																				9	
		10																				10	
		11																				11	
		12																				12	
		13																				13	
		14																				14	
B	Abandoned Call	15													DC							15	B
C	Deleted																						C
D	Reversed Trunk & Intersender Timing	17													DC							17	D
		18													DC					2		18	
		19													DC					6		19	
		20													DC					6		20	
E	Batt & Grd Pulsing	21												DP-BG						5		21	E
F	Fixed Arbitrary Digits	22													DC					1		22	F
		23													DC					1		23	
G	Antiglare Test	24												DP-OCX						6		24	G

TEST CHART (Contd)

TEST	TYPE OF TEST	TEST NO	MASTER TEST FRAME PRIMING: OFF DESIG	DIRECTORY NUMBER: A	B	C	D	E	F	G	H	J	K	SDT SWITCH SETTING	MISCELLANEOUS KEYS & SWITCHES		*MISCELLANEOUS INFORMATION: ARBITRARY DIGITS AR	BR	CR	CLASS MARK TO SDR CL-	DELETE MARK TO SDR DL-	TEST NO	TEST
H	Trunk Test-Open Trunk	25													OT							25	H
I	Wink Start Test	26																		3		26	I
J	Timing Features	27													DC							27	J
K	Cancel Timed Release & Alarm	28													DC							28	K
M	Stop Dial Test	29																				29	M
N	Marker Reorder	30													ROT							30	N
O	Recycle of TM Timer	31													DC							31	O
P	Immediate Reorder on Stop Dial Signal and Hold Forward Feature	32																				32	P

* This information is determined from marker and sender cross-connections and is recorded here for convenience of the tester.