OUTGOING SENDER CONNECTOR SD-27888-01 AND OUTGOING SENDER LINE CONNECTOR SD-27889-01 FOR AUTOMATIC INTERCEPT SYSTEM TESTS USING OFFICE TEST FRAME TEST CIRCUIT SD-27633-01 (J23260) NO. 5 CROSSBAR OFFICES NOT ARRANGED FOR LINE LINK PULSING

1. GENERAL

1.01 This issue affects Equipment Test Lists.

1.02 The tests covered are:

1.03 When performing Tests A, C, and D, all senders and/or line circuits are removed from service.

1.04 When performing Tests A and C, traffic registers associated with PC and ASB leads will be operated. Local instructions should be followed for recording and reporting traffic register operations during these tests.

1.05 In offices equipped with only two AIS senders, the SB2 relay must be installed and wired and permanently blocked operated.

2. APPARATUS

Test A

2.01 Two testing cords, 893 cord, 6 feet long, each equipped with two 360A tools (1W13B cord), one KS-6278 connecting clip, and one 624B (terminal connector) tool.

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

Tests A, C, D

2.03 332A (make-busy) plugs as required.

Tests B, C, D

2.04 Office test frame test circuit SD-27633-01.

3. PREPARATION

STEP	ACTION	VERIFICATION
Tests B, C, D		
1	At OTF— Restore all keys and switches.	
2	At TIC— Momentarily operate RLS key.	All lamps extinguished.
3	At OTF— Operate MCB key.	
4	Operate REC key.	
5	Set A- through G- DIAL switches for any local office number.	
6	Operate AIRI key.	
7	Set L-L switch to 0.	
8	Set PS- switch to 44-11.	
9	Operate OTL, 7D, 8SD, MFS, WK keys.	
10	Set CST-, CSU- switches to class of service having access to IAO route.	
11	Operate NTLS key.	
12	Operate AIRI, AIS keys.	
13	Select completing marker 0.	

4. METHOD

STEP	ACTION	VERIFICATION
A. AIS Sender Preference Control		
	Note: Refer to 1.03.	
1	Determine from office records sender preference of each marker.	
2	At jack, lamp, and key circuit— Make busy marker having sender 0 as first preference.	
3	Insulate 1M of SS0, SS1 relays.	

STEP	ACTION	VERIFICATION
4	At AIS frame— Connect ground to terminal 54 of terminal strip B.	
5	Connect battery to ST terminal (36 or 46) of terminal strip B of marker made busy.	SS0, SSA0, SSB0, SSC0, SSD0 relays operated.
6	Momentarily operate MB relay in sender 0.	SB0 relay operated. SS0, SSA0, SSB0, SSC0, SSD0 relays released. SS1, SSA1, SSB1, SSC1, SSD1 relays operated.
7	Momentarily remove ground connection from terminal 54 of terminal strip B.	SB0 relay released. SS0, SSA0, SSB0, SSC0, SSD0 relays operated. SS1, SSA1, SSB1, SSC1, SSD1 relays released.
8	Block operated MB relay in sender 0.	SB0 relay operated. SS0, SSA0, SSB0, SSC0, SSD0 relays released. SS1, SSA1, SSB1, SSC1, SSD1 relays operated.
9	Block operated MB relay in sender 1.	SB1 relay operated. SS1, SSA1, SSB1, SSC1, SSD1 relays released.
10	Momentarily operate any MCA relay.	ASB relay momentarily operated.
11	Remove battery connection from ST terminal (36 or 46) of terminal strip B.	
12	Remove ground connection from terminal 54 of terminal strip B.	
13	Remove blocking tools from MB relays in senders 0 and 1.	SB0, SB1 relays released.
14	At jack, lamp, and key circuit— Restore to service marker made busy in Step 2.	
15	Make busy marker having sender 1 as first preference.	
16	At AIS frame— Connect ground to terminal 54 of terminal strip B.	
17	Connect battery to ST terminal of marker made busy in Step 15.	SS1, SSA1, SSB1, SSC1, SSD1 relays operated.
18	Momentarily operate MB relay in sender 1.	SB1 relay operated. SS1, SSA1, SSB1, SSC1, SSD1 relays released. SS0, SSA0, SSB0 SSC0, SSD0 relays operated.

STEP	ACTION	VERIFICATION
19	Momentarily remove ground connection from terminal 54 of terminal strip B.	SB1 relay released. SS1, SSA1, SSB1, SSC1, SSD1 relays operated. SS0, SSA0, SSB0, SSC0, SSD0 relays released.
20	Block operated MB relay in sender 1.	SB1 relay operated. SS1, SSA1, SSB1, SSC1, SSD1 relays released. SS0, SSA0, SSB0, SSC0, SSD0 relays operated.
21	Block operated MB relay in sender 0.	SB0 relay operated. SS0, SSA0, SSB0, SSC0, SSD0 relays released.
22	Momentarily operate MCA relay.	ASB relay momentarily operated.
23	Remove battery connection from ST terminal (36 or 46) of terminal strip B.	
24	Remove ground connection from terminal 54 of terminal strip B.	
25	Remove blocking tools from MB relays in senders 0 and 1.	SB0, SB1 relays released.
26	Remove insulators from 1M of SS0, SS1 relays.	
27	Momentarily operate SB relay in sender 0.	SB0 relay momentarily operated.
28	Momentarily operate SB relay in sender 1.	SB1 relay momentarily operated.
29	At jack, lamp, and key circuit— Restore to service marker made busy in Step 15.	

B. Sender and Line Seizure and Release

14	Set AIL switch to 0.	
15	Operate AIS0 key.	
16	Operate ST key.	At TIC— AIS lamp lighted. OS0 lamp lighted. After sender finishes pulsing— EP, TOK, A through H lamps lighted corresponding to intercept code plus A- through G- digits set on DIAL switches. FT-, FU-, HG-, VG-, VF- lamps lighted indicating line selected.
17	At OTF— Restore ST key.	

STEP	ACTION	VERIFICATION
18	At TIC— Momentarily operate RLS key.	All lamps extinguished.
19	Repeat Steps 14 through 18 using each remaining line.	
20	At OTF— Repeat Steps 15 through 18 using sender 1.	
21	Repeat Steps 14 through 18 using completing marker 1.	
22	Restore all keys and switches not required in next test.	All lamps extinguished.

C. All AIS Senders Busy

14	At jack, lamp, and key circuit— Make busy both senders.	
15	At OTF— Operate ST key.	Overflow tone heard. At TIC— MKR- lamp lighted.
16	At OTF— Restore ST key.	Overflow tone silenced.
17	At TIC— Momentarily operate RLS key.	All lamps extinguished.
18	At OTF— Operate ST key. ***Note:*** In less than 1.5 seconds, release sender 0.	At TIC— OS0 lamp lighted. No overflow tone heard.
19	At OTF— Restore ST key.	
20	At TIC— Momentarily operate RLS key.	All lamps extinguished.
21	At OTF— Restore all keys and switches not required in next test.	

D. All AIS Line Circuits Busy

14	Set AIL switch to 0.	
15	Restore NTLS key.	

STEP	ACTION	VERIFICATION
16	At OTF— Operate ST key.	Overflow tone heard.
17	Restore ST key.	Overflow tone silenced.
18	Restore all keys and switches.	
19	At TIC— Momentarily operate RLS key.	All lamps extinguished.