REPLACING PAGE ADDENDUM
Filing Instructions:

1. REMOVE FROM THE SECTION THE PAGES NUMBERED THE SAME AS THOSE ATTACHED TO THIS PINK SHEET.
2. INSERT THE ATTACHED PAGES INTO THE SECTION IN THEIR PLACE.
3. PLACE THIS PINK SHEET AHEAD OF PAGE 1 OF THE SECTION.

DIRECT ACCESS PRETRANSLATOR CONNECTOR CIRCUIT SD-27801-01

TESTS USING MASTER TEST FRAME

NO. 5 CROSSBAR OFFICES

1. GENERAL

1.001 This addendum supplements Section 218-171-501, Issue 1. The attached pages must be inserted in accordance with the filing instructions above.

1.002 This addendum is issued to revise Test A.

This addendum does not affect Equipment Test Lists.

Attached:

Page 1 dated September 1974, reissued
Page 2 dated September 1974, revised
Page 3 dated September 1974, reissued
Page 4 dated September 1974, revised

3. METHOD

The following changes apply to Part 3 of this section:

(a) Test A—Revised

DIRECT ACCESS PRETRANSLATOR CONNECTOR CIRCUIT SD-27801-01 TESTS USING MASTER TEST FRAME NO. 5 CROSSBAR OFFICES

1. GENERAL

1.01 This section describes a method of testing the direct access pretranslator connector (DAPC) circuit SD-27801-01 used for connecting a marker in the No. 5 crossbar office to the direct access pretranslators in the No. 101 Electronic Switching System (No. 101 ESS). This section utilizes a series of test numbers for which the No. 101 ESS has been programed to return responses which check various leads in the DAPC. Tests of alarms and timer recycle conditions are also included which do not require the use of the master test frame (MTF).

1.02 Information covered in this section was formerly contained in section 218-722-501.

1.03 This issue affects Equipment Test List.

1.04 The tests covered are:

A. Lead Integrity: This test checks the integrity of the DAPC leads which connect the marker to one of two direct access pretranslators at the No. 101 ESS. . . . . .

B. Alarm Conditions and Work Timer Recycle: This test checks the various alarm conditions in the DAPC and that a work timer recycle signal is sent to the marker should it seize the DAPC while a transfer of direct access pretranslators is in progress. . . .

1.05 Before performing Test B, notify maintenance personnel at No. 101 ESS that the No. 101 ESS control unit will be incapable of switching from one direct access pretranslator to the other for the duration of the test.

1.06 Test B should be performed during periods of light traffic.

1.07 ***Lettered Steps:*** A letter a, b, c, etc, added to a step number in Part 3 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.

1.08 The manner of selecting some circuits and test conditions at the 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.

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

2. APPARATUS

Test A

2.01 Master test control circuit SD-25800-01.

Test B

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

2.03 322A make-busy plug.

2.04 67C test set or equivalent, equipped with one KS-6278 connecting clip (for use in checking the presence or absence of battery or ground).

2.05 Testing cord, 893 cord, 3 feet long, equipped with two 360A tools (1W13A cord) and two KS-6278 connecting clips (for connecting between terminals).

3. METHOD

STEP	ACTION	VERIFICATION
	Note 1: Refer to 1.07 and 1.08.	
A. Lead Integrity		
1	At MTF— Restore all keys and switches.	
2	Momentarily operate RL key.	All lamps extinguished.
3	Select MLV class of test.	
4a	If TCLC key is provided— Operate TCLC key.	
5b	If marker group is arranged for tens block screening— Set TERT switch to POTS, TBS switch as required.	
6c	If trouble record is required— Operate REC key.	
7d	▶If 101 ESS call processor 1 is on-line◀ Operate DAPA key.	
8e	▶If 101 ESS call processor 2 is on-line— Operate DAPB key.◀	
9	Select office designation corresponding to class of call associated with directory number of line being verified.	
10	Select incoming class of call and translator indication as required for access to No. 101 ESS.	
11	Select ringing combination as required for access to No. 101 ESS.	
12	Select lowest numbered marker in marker group associated with DAPC under test.	
13f	If line circuit is free service requiring FNA or FNB cross-connection— Operate FNA or FNB key.	
14	Select line location in accordance with Table A, Test 1.	

TABLE A – LEAD INTEGRITY CHECK

TEST NO.	OFFICE CODE (FILL IN FOR LOCAL OFFICE)	TEST NUMERICALS				LINE LOCATIONS CHECKED					LEADS CHECKED					
		TH	H	T	U	FT	FU	VG	HG	VF	RC	TLK	TLT	PMO	FN, FNA, FNB	BNK
1		X	0	0	0	0	0	0	0	0	√	√				
2		X	1	1	1	0	1	1	1	1	√		√			
3		X	2	2	2	0	2	2	2	2	√	√			√	
4		X	3	3	3	0	3	3	3	3	√	√				
5		X	4	4	4	0	4	4	4	4	√	√				
6		X	5	5	5	0	5	5	5	0	√	√				
7		X	6	6	6	0	6	0	6	1	√	√				
8		X	7	7	7	0	7	0	7	2	√	√				
9		X	8	8	8	0	8	0	8	3	√	√				
10		X	9	9	9	0	9	0	9	4	√	√				
11		X	0	0	1	0	0	6	0	0	√	√				
12		X	0	0	2	0	0	7	0	0	√	√				
13		X	0	0	3	0	0	8	0	0	√	√				
14		X	0	0	4	0	0	9	0	0	√	√				
15		X	0	0	5	0	0	10	0	0	√	√				
16		X	0	0	6	0	0	11	0	0	√	√				
17		X	0	0	7	1	0	0	0	0	√	√				
18		X	0	0	8	2	0	0	0	0	√	√				
19		X	0	0	9	3	0	0	0	0	√	√				
20		X	0	1	0	4	0	0	0	0	√	√				
21		X	0	1	1	5	0	0	0	0	√	√				
22		X	0	1	2	—	—	—	—	—				√		
23		X	0	1	33	—	—	—	—	—						√

Notes:

1. Tests 1 through 10, 22, and 23 check incoming translation and minimum outgoing equipment (ten frames, FU0-9; six vertical groups VG0-5).
2. Tests 11 through 16 are used to check additional VG- leads as provided.
3. Tests 17 through 21 are used to check additional FT- leads as provided.
4. Tests 22 and 23 require no selection of line location.
5. X-digit for proper number group.

STEP	ACTION	VERIFICATION
15	Select A through G digits as required for office code plus thousands, hundreds, tens, and units digits of programed test number as shown in Table A, Test 1.	
16	Momentarily operate ST key.	MLV, MLVM lamps lighted. CCSA or POTS lamp lighted. If REC key is operated— Trouble record taken. A_, B_, C_, FTT_, FUT_, VGT_, HGT_, VFT_, CS_, RCT_, POTS, OA or OB, TER, TRK, DAC, PTK designations perforated. TN, PTN, EN, or ETN designation perforated corresponding to cross-connections in direct access pretranslator of local office. If tens block screening is provided— TBS_ designation perforated. If Test 2 of Table A is being performed— TLT designation perforated. If Test 3 of Table A is being performed— FL lamp lighted. FNA or FNB designation perforated. If Test 22 of Table A is being performed— OFL lamp lighted. OFH, OV designations perforated. If Test 23 of Table A is being performed— BN lamp lighted. BN designation perforated.
17	Momentarily operate RL key.	All lamps extinguished.
18	Repeat Steps 13 through 17 for next higher numbered test in Table A until all tests have been performed.	
19	▶At 101 ESS— Switch call processors.	
20d	If DAPA key is operated— Restore DAPA key and operate DAPB key.	
21	If DAPB key is operated— Restore DAPB key and operate DAPA key.◀	
22	Repeat Steps 13 through 19.	
23	Repeat Steps 12 through 22 for next higher numbered marker until all markers associated with DAPC have been selected.	
24	Restore all keys and switches not required in next test.	

B. Alarm Conditions and Work Timer Recycle

Note: The following test, once initiated, should be completed without delay because