

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.

PLANT REGISTERS—PART 8
TESTS USING MASTER TEST FRAME
NO. 5 CROSSBAR OFFICES

1. GENERAL

1.001 This addendum supplements Section 218-233-508, Issue 1. The attached pages must be inserted in the section in accordance with the filing instructions above.

1.002 This addendum is issued to identify the type of ANI transverter in Test AD. This addendum affects Equipment Test Lists.

1. GENERAL

The following change applies to Part 1 of this section:

Attached:

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

(a) Test AD—revise title to include type of transverter.

4. METHOD

The following change applies to Part 4 of this section:

(a) Test AD—revise title to include type of transverter.

PLANT REGISTERS—PART 8
TESTS USING MASTER TEST FRAME
NO. 5 CROSSBAR OFFICES

1. GENERAL

1.01 This section is Part 8 in a series of sections that describe methods for testing plant registers.

1.02 This issue affects Equipment Test Lists.

1.03 The tests in this section were formerly covered in Section 218-233-501.

1.04 The tests covered are:

AD. ANI Transverter (SD-26161-014) **First and Second Trial Trouble Registers (ATTR, ATST Registers):** This test checks that a plant register operates on first trial service call failures and on second trial service call failures when a trouble record is requested before disconnect.

AE. AMA 2-Line Entry Peg Count Registers (2LCPC, 2LLPC Registers): This test checks that a plant register operates on all AMA calls, other than message billing index 9 calls, resulting in a 2-line AMA recorder entry.

AF. AMA Bulk Billing Trouble Registers (LBBF, CBBF Registers): This test checks that a plant register operates on all AMA calls, other than message billing index 9 calls, encountering second trial trouble release conditions.

1.05 Plant registers are located either in a self-contained register cabinet and referred to as the plant register circuit or just above the trouble recorder perforator on the master test frame (MTF) trouble recorder bay.

1.06 Table A indicates the tests requiring action and verification at more than one location.

TABLE A

ACTION AND/OR VERIFICATION REQUIRED AT:	TESTS		
	AD	AE	AF
Master Test Frame	✓	✓	✓
Transverter Frame	✓	✓	✓
Plant Register Circuit	✓	✓	✓

✓ As required.

PAGE

1.07 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.

1.08 Local instructions should be followed for recording and reporting any register operations caused by performing these tests.

1.09 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.

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

2. APPARATUS

2.01 The apparatus required for each test is listed in Table B. The details of each item are covered in the paragraph indicated by the number in parentheses. In addition, the following apparatus may also be required.

- (a) Apparatus covered in 2.07 and 2.08 is required when a portable lamp is used to determine register operation.
- (b) Two head telephone sets are required when a portable lamp is not used.
- (c) A 32A test set is required when the MTF is controlled from a remote point.

TABLE B

APPARATUS	TESTS		
	AD	AE	AF
Test Circuit (2.02)	1	1	1
Cord (2.03)	1	1	1
Cord (2.04)		1	
Tools (2.05)			1
Cord (2.06)		1	2
322A (make-busv) Plug	√	√	√

√ As required.

2.02 Master test control circuit SD-25800-01.

2.03 Testing cord, 893 cord, 3 feet long, equipped with two 360A tools (1W13A cord), two 639A (contact connector) tools, and two 651-type (contact connector holder) tools (for making connections to contacts of wire-spring-type relays).

2.04 Testing cord, 893 cord, 3 feet long, equipped with two 360A tools (1W13A cord) and two 419A (test connector) tools (for use in strapping contact springs).

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

2.06 Testing cord, 893 cord, 6 feet long, equipped with two 360A tools (1W13B cord), one KS-6278 connecting clip, one 419A (test connector) tool (for use in connecting battery or ground to springs of nonwire-spring-type relays).

2.07 Two W2W cords, 10 feet long, each equipped with a 310 plug, two 360-type tools (2W17C cords), two KS-6278 connecting clips, and two 108 cord tips (required when a portable test lamp is used).

2.08 38B lamp socket, equipped with a 2Y lamp (required when a portable test lamp is used).

2.09 When making connections to relays using testing cords listed in this section, use as covered in Section 069-131-811.

3. PREPARATION

STEP	ACTION	VERIFICATION
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All Tests

Note: Refer to 1.09 and 1.10.

- 1a If tests are to be performed without portable test lamp—
Establish talking circuit between frames where test is to be performed and where observations are to be made.

STEP	ACTION	VERIFICATION
2b	<p>If tests are to be performed with portable test lamp— At frame where action is to be taken— Insert plug of 2W17C cord, equipped with two KS-6278 connecting clips, into SP jack of miscellaneous circuit.</p>	
3b	<p>Determine from circuit drawing of circuit associated with register to be tested, location of terminal on terminal strip at which plant register circuit is connected.</p>	
4b	<p>Connect one lead of 2W17C cord to terminal on terminal strip associated with plant register being tested.</p>	
5b	<p>Connect other lead of 2W17C cord to battery.</p>	
6b	<p>Connect leads of 38B lamp socket to leads of another 2W17C cord, equipped with two KS-6278 connecting clips.</p>	
7b	<p>Insert plug of this 2W17C cord into any appearance of selected SP jack of miscellaneous circuit close to position where test is to be performed.</p>	
8b	<p>Place portable test lamp so that it can be easily observed.</p>	
9b	<p>If tests are to be performed with portable test lamp— To observe scoring of register when using portable test lamp, proceed as follows: (a) For first observation of scoring of register, observe that portable test lamp indicates proper condition on lead and that register scores as required. (b) For subsequent observations of scoring of same register, observe portable test lamp indications only.</p> <p>Note: When the register to be tested scores at timed intervals, the portable test lamp will flash with the scoring of the register.</p>	
10	<p>At MTF— Restore all keys and switches.</p>	
11	<p>Momentarily operate RL key.</p>	<p>All lamps extinguished.</p>

SECTION 218-233-508

STEP	ACTION	VERIFICATION
12c	If testing 4-wire switching systems— Operate 4W key.	
13c	Select control digits.	

4. METHOD

STEP	ACTION	VERIFICATION
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AD. ANI Transverter (SD-26161-01) First and Second Trial Trouble Registers (ATTR, ATST Registers)

14	Insert make-busy plug into TVMB- jack associated with ANI transverter under test.	
15	At transverter frame— Interconnect 1F of SC relay, 1F of 1TR relay.	
16	At MTF— Select transverter made busy.	
17	Select originating line.	
18	Select TVT (ANI) class of test.	
19	Operate REC key.	
20	Momentarily operate ST key.	At plant register circuit— ATTR plant register associated with transverter under test scored once.
21	At MTF— Momentarily operate RL key.	All lamps extinguished.
22	Operate TR2 key to simulate a second trial call.	
23	Momentarily operate ST key.	At plant register circuit— ATST plant register scored once.
24	At MTF— Momentarily operate RL key.	All lamps extinguished.
25	At transverter frame— Remove test connection from SC, 1TR relays.	
26	At MTF— Restore TR2, REC keys.	
27	Remove make-busy plug from TVMB jack.	