

NO. 3  
 INCOMING TRUNK  
 FROM LOCAL TEST DESK NO. 14 OR 3  
 SD-3H520, CPS-FB519

CONTENTS

- |                             |                      |
|-----------------------------|----------------------|
| 1. GENERAL INFORMATION      | 4. SETUP INFORMATION |
| 2. RECORDS AND REQUIREMENTS | 5. TEST OPERATION    |
| 3. TEST EQUIPMENT           |                      |

1. GENERAL INFORMATION

1.1 Purpose

1.11 The purpose of this section is to provide an operational test of the CPS-FB519, incoming trunk from local test desk (LID) No. 14 or 3. The circuit will be tested by using an incoming trunk test set, ITE-5158, to originate a call through the trunk under test to a test telephone.

1.12 The No. 3 ESS system is equipped with either one or two INC LID trunks. Both trunks are located on the test frame. The first trunk is located on level 52, position 25 and the second trunk is located on level 52, position 22.

1.2 Cross-Connections

1.21 Cross-connections from the trunk being tested to circuits outside the No. 3 ESS should be removed prior to these tests and then reconnected following the tests.

1.3 References

1.31 The following documents will be useful as references during the execution of these tests:

<u>Document</u>	<u>Title</u>
SD,CD-3H520	Peripheral Test Unit
SD-3H904	Test Frame
CPS-FB519	Incoming Trunk from Local Test Desk No. 14 or 3
TMO-5158	Test Method of Operation Incoming Trunk Test Set

2. RECORDS AND REQUIREMENTS

2.1 Records

2.11 The results of this section shall be recorded on forms SD-97-1313 and SD-97-1315. For information on test records, refer to Section 6B of Handbook 3.

2.2 Requirements

2.21 The tests in this section are based on the No. 3 ESS Performance Requirements, BSP 820-650-180.

3. TEST EQUIPMENT

3.1 Test Sets

3.11 The following test sets are required for these tests:

<u>Code</u>	<u>Description</u>
ITE-5158	Incoming Trunk Test Set
(2) 1500D*	TT Telephones
ITE-4631**	Test Receiver Set
(4) ITE-9172**	Trunk Test Cords

\* Provided by telephone company  
 \*\* Part of Test Accessory Set, ITE-5653

3.2 Cords

3.21 The power cord (ITE-9265) is furnished with the ITE-5158 test set. The cords required for making test connections (ITE-9172) are furnished in the Test Accessory Set, ITE-5653.

4. SETUP INFORMATION

4.11 The incoming LTC trunks have a fixed appearance on the CDF. Connect the ITE-5158 to the FB519 using the following table:

CPS-FB519 LEAD	ITE-5158	CDF APPEARANCE	
		POS 52-25	POS 52-22
T1	T	J01-062	J01-066
R1	R	J01-063	J01-067
S	S	J01-060	J01-064
G	G	J01-061	J01-065

4.12 Select two test lines which have TOUCH-TONE service. Attach test phones to both lines and designate one of the phones test phone "A" and the other test phone "B".

5. TEST OPERATION

<u>STEP</u>	<u>PROCEDURE</u>	<u>ACTION</u>	<u>COMMENT OR RESULT</u>
1	At the ITE-5158 verify that all keys are released and switches are in the "OFF" pos.		
2	Set up the ITE-5158 for the test.	At the ITE-5158: A. Operate large black toggle switch to "OFF" position. B. Operate talk switch if using headset. C. Operate "O" switch.	
3	Seize the trunk.	At the ITE-5158: A. Depress and lock the "PWR" key.	At the ITE-5158, the "RB" lamp should flash then the "TB", "S" and "R" lamps should light steady.
4	Pulse digits to the trunk.	Using the MP PAD on the ITE-5158, punch in KP+the number of test phone a using only the number of digits the IOT expects.	<u>EXAMPLE:</u> If the test number is 123-4567 and the IOT expects 5 dig then punch in KP+3-4567.  At the end of pulsing the "TB" lamp should extinguish.
5	Release the sleeve lead to allow a network path to be set up to called line.	At the ITE-5158: A. Return the "D" switch to "OFF" pos.	The "S" lamp extinguishes.

<u>STEP</u>	<u>PROCEDURE</u>	<u>ACTION</u>	<u>COMMENT OR RESULT</u>
6	Set up for line ferred test.	At the ITE-5158: A. Operate "BRIDGE" SW. B. Operate "3WD" SW.	Leave test phone A on-hook.
7	Verify that dial tone is heard in the headset at the ITE-5158.		This dial tone is provided at the FB519.
8	Return trunk to the normal state.	At the ITE-5158: A. Return "BRIDGE" SW to "OFF" position. B. Return "3WO" switch to "OFF" position.	The "RB" lamp flashes at the test set. If dial tone is still heard disconnect the "1" lead from the test set momentarily.
9	Set up for TOUCH-TONE test. ( se station ringer test ckt to be connected to the line and to the trunk.)	First place test phone A off-hook, then at the ITE-5158: A. Operate "TT" switch.	Dial tone is heard at the test set's headset.
10	Perform "successful" TOUCH-TONE test.	At test phone a punch, in order, digits 1, 2, 3, 4, 5, 6, 7, 8, 9, 0.	Digits should be heard at the test set's headset.
11	Verify that, after the "0" is punched in step 10 a double burst of high tone is rcvd in the test set's headset.		The high tone heard during this step is provided at the station ringer test circuit.
12	Release station ringer test circuit.	Place test phone A on-hook and, at the ITE-5158: A. Return the "TT" SW to the "OFF" pos.	
13	Set up for high tone wiring test.	Repeat steps 2, 3, & 4, but instead of dialing test phone As "four digits", substitute "0000".	This provides an invalid translation check.
14	Verify that continuour high tone is rcvd at the test set's headset.	At the ITE-5158: A. Return "0" switch to "OFF" position.	This high tone is provided at the FB519.

<u>STEP</u>	<u>PROCEDURE</u>	<u>ACTION</u>	<u>COMMENT OR RESULT</u>
15	Disconnect	At the ITE-5158: A. Release "PWR# key.	
16	If the trunk is the second member of the trunk group, skip to step 21; if it is not, continue with step 17.		
17	Using test phone A, call test phone B. Verify a talking path and leave both phones off-hook.		
18	Seize the trunk and dial up test phone A.	Repeat steps 2 through 5.	
19	Verify a 3-way connection between the test phones and the test set's headset.		
20	Disconnect.	Hang up both test phones and at the ITE-5158: A. Release "PWR# key.	
21	Repeat steps 1-20 for both FB619 trunks.		

No arrows shown due to extensive changes.

Manager, ESS Installation & Field Engineering

Reason for Reissue:  
Major revision.