

NO. 3 ESS
 DIAL-TONE-FIRST COIN LINE CIRCUIT

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1. GENERAL INFORMATION

1.1 Description

1.11 The purpose of the Dial-Tone-First Coin Line Unit (J3H01EE) is to prevent the customer from trying to use the TOUCH-TONE pad on a coin phone to try to fool the operator into thinking a coin was deposited when one was not. The unit prevents this by operating a relay and applying +48V talk battery whenever the coin phone is connected to an operator.

1.2 Purpose

1.21 The purpose of this test is to verify the operation of each of the circuits equipped.

1.3 References

1.31 The following documents will be useful references for the execution of the tests of this section.

<u>Document</u>	<u>Title</u>
SD/CD-3H205-01	Dial-Tone-First Coin Line
CPS FB428	Dial-Tone-First Coin Line Circuit

Office Records

T-XXXX-XX-140	CDF Assignments
T-XXXX-XX-462	Peripheral Decoder Assignment Chart
T-XXXX-XX-464	Peripheral Pulse Distributor Assignment Chart
IM/OM-3H300	No. 3 ESS Input/Output Message Manual

2. RECORDS AND REQUIREMENTS

2.1 Records: The results of the test of this section shall be recorded on Form SD-97-1313 and SD-97-1315. For detailed information on filling out test records, see Handbook 3, Section 6B.

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

3. TEST EQUIPMENT

3.1 The following is necessary for the performance of these tests:

<u>Amt.</u>	<u>No.</u>	<u>Description</u>
1	ITE-5267	Miscellaneous Trunk Test Set
	ITE-9127	Test Cords
1	1C2	Coin TOUCH-TONE Telephone Set
1	ITE-4631	Head Set

4. PRELIMINARY INFORMATION

4.1 The input forms (ESS 3107) should first be checked to see if any of the DTF Coin Line circuits have been assigned to particular lines in translations. If some or all of the circuits are already assigned, then the test procedure will be somewhat simplified.

4.2 Figure 1 (below) gives a picture of how the CDF block for the DTF Coin circuits are laid out. Each FB428 circuit pack contains two circuits and is laid out on one ROW of the CDF block. Each circuit has an input T&R [T0,R0 (Ckt 0) on T2,R2 (Ckt 1)] which is connected to the

circuit has an input T&R [T0,R0 (Ckt 0) on T2,R2 (Ckt 1)] which is connected to the coin phone and an output T&R pair [T1,R1 (Ckt 0) or T3,R3 (Ckt 1)] which is connected to the coin phones' OE. If some of the DTF coin circuits are assigned in translations, then permanent cross-connects should be installed between the line's OE and the associated coin line's output T&R.

FIGURE 1

ONE UNIT = 8 ROWS

I	0	1	2	3	4	5	6	7	I
I	X	R3	CKT						I
I	X	T3	1	OEN					I
I	X	R1	CKT						I
I	X	T1	0						I
I	X	R2	CKT						I
I	X	T2	1	LINE					I
I	X	R0	CKT						I
I	X	T0	0						I

5. TESTING PROCEDURE

5.01 Using the input form, select the "zero" operator trunk group and remove all but one member from service.

5.02 Using Handbook 269, Section 612.XX, connect the ITE-5267 to the one operator trunk which is still in service.

5.03 If some or all of the coin circuits are not assigned in translations, then a Dial-Tone-First test line should be selected using ESS Form 3100.

5.04 Using the Office Records (T-XXXX-XX-462 and T-XXXX-XX-464) determine the distributor tripllett address (DTA) for the DTF circuit to be tested.

5.05 Using the Office Records (T-XXXX-XX-140) determine the location on the CDF of the block containing the DTF circuit to be tested.

5.06 Type in the following Recent Change Message substituting the TN and OE for the test line selected above

(paragraph 5.03) and DTA (DPCN) for the DTF coin circuit to be tested, also previously determined above (paragraph 5.05):

```
RC:LINE
TYP CHG/
ORD 0000/
TN NNX XXXX/
OE XX XXXX/
DPCN X XXX X X!
```

*5.07 The system should respond with an "OK" if the recent change is accepted.

5.08 Connect a TOUCH-TONE DTF coin phone to the input T&R of the coin circuit under test.

5.09 Pick up the test phone. Dial tone should be heard. Dial "0".

5.10 The operator trunk which is connected to the ITE-5267 should be seized. Using Handbook 269, Section 612.XX, answer the call from the test phone and verify a talk path.

5.11 Depress one of the TOUCH-TONE buttons on the test phone. No tone should be heard on either the phone or on the trunk.

5.12 Release the trunk and hang up the test phone.

5.13 Repeat paragraphs 5.03 - 5.12 for all DTF coin circuits.

5.14 Type in the following Recent Change Message for the test line used above:

```
RC:LINE
TYP CHG/
ORD 0000/
TN NNX XXXX/
OE XX XXXX/
DPCN NO!
```

5.15 Disconnect the test phone and the trunk.

* Ignore this step if the coin circuit under test is already assigned in translations.