

VERIFICATION OF CAMA TRUNK DECADE CROSS CONNECTIONS  
ON SENDER LINK FRAMES AND TRUNK TEST FRAME  
USING TRUNK AUTOMATIC TEST CIRCUIT SD-25960-01  
CROSSBAR TANDEM OFFICES  
ARRANGED FOR CAMA

1. GENERAL

1.01 This section describes a method of making verification tests of CAMA trunk decade cross connections on sender link and trunk test frames in crossbar tandem offices arranged for CAMA, using the trunk automatic test circuit SD-25960-01.

1.02 This section is issued to add tests of trunks arranged for use with local offices equipped for ODMU (Optional Detail Billing).

1.03 The tests covered are:

A. Verification of CAMA Trunk Decade Cross Connections on Sender Link Frame: This test checks the trunk decade cross connections on the sender link frames by seizing a service trunk using the trunk automatic test frame arranged for CAMA. The indications at the transverter trouble indicator or on the trouble recorder card are checked for agreement with the office records and test frame lamps.

B. Verification of Reserve Trunk Decade Cross Connections on Trunk Automatic Test Frame Arranged for CAMA: This test checks the reserve trunk decade cross connections on the trunk test frame by seizing a reserve trunk by using the trunk automatic test frame arranged for CAMA. The indications at the transverter trouble indicator or on the trouble recorder card are checked for agreement with the office records and test frame lamps.

1.04 The verification of the sender preference cross connection is omitted in this section. They are trunk decade cross

connections on the sender link frame. If a sender preference cross connection is missing, the controller will time out and bring in an alarm. As any one of five senders in various sender subgroups can be seized, it is unreliable to depend upon the sender indication at the transverter trouble indicator for verification of these cross connections. A method of verification is to make a visual check, to see that they agree with the office records.

1.05 The verification of the trunk link frame number cross connections is omitted in this section. They are trunk decade cross connections on the sender link frame. If these cross connections are incorrectly placed, the marker will be unable to set up a path back to the trunk link frame causing a trouble indication on the marker trouble indicator.

1.06 The verification of the panel auxiliary sender (PAS) or the nonpanel auxiliary sender (NPAS) cross connection is omitted in this section. They are trunk decade cross connections on the sender link frame. If these cross connections are not properly placed, service and test calls will be blocked by the sender causing a stuck sender or trunk test failure alarm.

1.07 The verification of the operator identification (AMA) or automatic number identification (ANI) cross connection is omitted in this section. They are trunk decade cross connections on the sender link frame. If these cross connections are not properly placed, service and test calls will be blocked by the sender causing a stuck sender or trunk test failure alarm.

## SECTION 220-532-301PT

- 1.08 A test chart has been provided in this section which covers tests in Part 4.
- 1.09 Tests A and B require verifications at the transverter trouble indicator or trouble recorder frame.
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## 2. APPARATUS

- 2.01 Trunk automatic test circuits arranged for CAMA SD-25960-01.
- 2.02 No. 349A (make busy) plug.

## 3. PREPARATION

STEP	ACTION	VERIFICATION
1	Insert No. 349A plug into MB jack of mate controller (A or B) to one under test.	
2	At trunk automatic test circuit— Restore all keys.	
3	Restore all switches.	
4	Operate RN key momentarily.	All lamps extinguished.

## 4. METHOD

STEP	ACTION	VERIFICATION
	A. Verification of CAMA Trunk Decade Cross Connections on Sender Link Frame	
	B. Verification of Reserve Trunk Decade Cross Connections on Trunk Automatic Test Frame Arranged for CAMA	
5	Operate DTI key, set switches for particular test shown on test chart.	
6	Operate ST key.	Observe lamps light shown on test chart.
7	Operate RN key momentarily.	All lamps extinguished.

**TEST CHART**  
**TRUNK DECADE CROSS-CONNECTION TEST**

TYPE OF TEST	BSP TEST	NOTES	SWITCHES					LAMPS ON *TRUNK AUTOMATIC TEST FRAME PANEL	RECORD ON **TV IBL IND or TBL RCDR CARD
			KEY DTI	GROUP TENS	GROUP UNITS	HOLD	SELECT		
Verification of CAMA Trunk Decade Cross Connections on Sender Link Frame	A	1,2,3,6	X	X	X	X	X	Trunk Class, RTO, IET, TT, Group-, Hold-, Select-, T2/5, U2/5	RCO-2, CSO-4 CS00 or CS5, RN3/6 or RCDR (R3/6), TNT2/5 or CII (T2/5), TNU2/5 or CII (U2/5)
Verification of Reserve Trunk Decade Cross Connections on Trunk Automatic Test Frame Arranged for CAMA	B	1,4,5,6	X	X	X	X	X	Trunk Class, RTO, IET, TT, Group-, Hold-, Select-, T3/5, U2/5	RCO-2, CSO-4 CS00 or CS5, RN3/6 or RCDR (R3/6), TNT2/5 or CII (T2/5), TNU2/5 or CII (U2/5)

\*Check that the lighted lamps match the switch settings and trunk class information is correct.

\*\*Check that the lighted lamps or card record match the required cross connections.

**NOTES**

1. Set group tens and units switches to recorder number of the trunk decade being verified.
2. Set hold and select switches to any service trunk number in the trunk decade being verified.
3. Check that RCO-2 indication agrees with the rate structure (when used) of the originating office.
4. Set hold and select switches to reserve trunk number being verified.
5. Set decade identity switch to trunk decade being verified.
6. If office is arranged for ODMU trunks check that DET/NDT indication agrees with the trunk decade being verified.