

SAGE DATA TRANSMISSION SYSTEMS — PRIVATE SERVICE SYSTEMS
AIR-GROUND VOICE COMMUNICATION SYSTEM
DUAL FACILITY TRUNKS
LOCAL TESTS OF A/G TRUNKS AT DC TESTBOARD

1. GENERAL

1.01 This section describes methods of making local tests of dual-facility trunk circuits at a direction center or tandem point, from the air-ground testboard using test circuit SD-1G033-01.

1.02 This test checks the transmission of push-to-talk and codan signals over both channels of a dual-facility automatic throw over when either of the channels fail, and throw over in response to a line transfer signal. The test is made from the

air-ground testboard at the direction center or tandem point.

2. APPARATUS

2.01 No. 375A short-circuiting plug.

2.02 Two twin patching cords, P6E cord, 10 feet long, equipped with two No. 338A plugs (6P8B cord).

2.03 Test circuit, SD-1G033-01 (for air-ground testboard located at direction center or tandem point).

3. METHOD

<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
1	Obtain release of channel to be tested	
2	Insert short-circuiting plug into PATCH jack of trunk under test	
3	Insert one plug of P6E cord into DROP A jacks of spare 2-way trunk circuit and the other plug into LINE A jacks of trunk to be tested	
4	Insert one plug of P6E cord into DROP B jacks of spare 2-way trunk circuit and the other plug into LINE B jacks of trunk to be tested	
5	Insert OT1 or OT2 cord in 2W MON TST jack of trunk to be tested	
6	Operate CLOSED 3RD A key for test of trunks 1 through 11 or CLOSED 3RD B key for test of trunks 12 through 22	
7	Insert R cord in DROP A jacks and A cord in DROP B jacks of trunk to be tested	
8	Operate ON key	R, SWA lamps light
9	Operate TTR key momentarily	A, SWB lamps light R, SWA lamps extinguished FR, STA lamps light momentarily
10	Operate PT key	PT lamp lights
11	Operate and hold COD key	CD, CT, CR lamps light
12	Restore PT key	PT, CR lamps extinguished COD lamp lights
13	Release COD key	COD, CD, CT lamps extinguished

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<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
14	Operate TTR key momentarily	R, SWA lamps light A, SWB lamps extinguished FA, STB lamps light momentarily
15	Repeat Steps 10 through 13	
16	Operate and hold RR key	A, FR, SWB, STA lamps light R, SWA lamps extinguished
17	Release RR key	FR, STA lamps extinguished
18	Operate and hold RA key	R, FA, SWA, STB lamps light A, SWB lamps extinguished
19	Release RA key	FA, STB lamps extinguished
20	Operate and hold TR key	A, SWB, STA lamps light R, SWA lamps extinguished FR lamp lights momentarily
21	Release TR key	STA lamp extinguished
22	Operate and hold TA key	R, SWA, STB lamps light A, SWB lamps extinguished FA lamp lights momentarily
23	Release TA key	STB lamp extinguished
24	Remove test cords from 2W MON TST and DROP jacks Remove short-circuiting plug from PATCH jack Restore CLOSED 3RD and ON keys	