

911 SERVICE TRUNK CIRCUIT, SD-94830-01

TIMER AND RINGBACK CIRCUIT, SD-94831-01

CONTENTS

- 1. GENERAL INFORMATION
- 2. RECORDS AND REQUIREMENTS
- 3. TEST EQUIPMENT
- 4. TEST SET-UP
- 5. TEST PROCEDURE

1. GENERAL INFORMATION

- 1.1 The tests of this method are performed at the Outgoing Trunk Test Frame (OGTT) using a subscribers station set equipped with a 309 plug to simulate the emergency bureau.
- 1.2 The functions tested are:
 - (a) Test for false ground on S lead.
 - (b) Tip and Ring Polarity, Sleeve Continuity, and Relay A operation.
 - (c) Test for subscriber on-hook.
 - (d) Emergency ringback.
 - (e) Automatic coin return and open sleeve.
 - (f) The 6 minute timer.
 - (g) Make-busy and alarms.

2. RECORDS AND REQUIREMENTS

- 2.1 Records: Forms SD-4-1313, SD-4-1315, and SD-4-1334 are required for recording the results of these tests.
- 2.2 Requirements: The tests of Section 145 must be applied to meet the performance requirements per BSP 816-007-181.

3. TEST EQUIPMENT

3.1 Accessories and Cords Required

<u>Amt</u>	<u>ITE</u>	<u>Description</u>
1		Subscriber's station set E/W 309 plug
2	9604 or Equiv.	Cord, 3 conductor, 309 plug one, 310 plug one end

4. TEST SET-UP

- 4.1 At the OGTT, patch jack T1 to jack T of the Office Link Trunk appearance.
- 4.2 Patch the Test Frame jack MB to the trunk jack T & MB.
- 4.3 Connect the subscriber's station set to the trunk TO jack.

5. TEST PROCEDURE

- 5.01 Operate keys TLK1, TST1, SUB-REC, and NO-SDR1. Lamps ON1 and RC are lighted.
- 5.02 Operate and release key RSG. Lamp SUP1 is lighted while key is operated.
- 5.03 Operate keys ADJ2 and RCO. Lamp SUP1 is lighted, ringing induction is heard at the Test Frame telephone set, and subscriber's station set rings until answered.
- 5.04 Answer the station set. Ringing is tripped and transmission is established between the station set and the test frame telephone set.
- 5.05 Restore key NO-SDR1 to normal. Lamp SUP1 is extinguished and busy tone (60 IPM) is heard at the station set.
- 5.06 Operate key NO-SDR1. Lamp SUP1 is lighted and transmission is re-established.
- 5.07 Flash (500 millisecond wink) the station set switchhook. The test frame telephone set rings for one full cycle i.e. about 5 seconds.
- 5.08 Restore key RCO to normal and operate key RCT. Lamp SUP1 is extinguished.

- 5.09 Place station set receiver on-hook. Lamp CR lights momentarily and 15-25 seconds later, lamp SUP1 lights indicating an open sleeve.
- 5.10 After about 1 minute, take the station set receiver off-hook. Overflow tone (120 IPM) is heard in the receiver. In approximately 6 minutes, the minor alarm sounds and the aisle pilot lamp is lighted. In addition, the trunk MB and test frame RMB lamps flash at 60 IPM.
- 5.11 At the trunk, insert a make-busy plug into its jack MB. The audible alarm is silenced and the trunk MB and test frame RMB lamps are lighted steadily.
- 5.12 Operate key RCO and place the station set receiver on-hook. The aisle pilot lamp is extinguished.
- 5.13 At the trunk, remove make-busy plug from jack MB. The trunk MB and test frame RMB lamps are extinguished.
- 5.14 Restore all keys to normal.

Manager, Product Engineering
Control Center