

AUTOMATIC NUMBER ANNOUNCEMENT CIRCUIT
 (ANAC)
 NUMBER VERIFICATION MULTIFREQUENCY RECEIVED TEST

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1. GENERAL INFORMATION

1.1 Description of Circuit

- 1.11 The Number Verification Circuit is designed to work in conjunction with the Automatic Number Announcer (ANA) Circuit to verify central office and station wiring, confirm customer billing and identify unknown subscriber lines.
- 1.12 This section describes the method of performing Supplementary tests on the ED94859-G1 To G11 Units For:
- (a) NS 02501-01 Number Verification Circuit (AMA- Crossbar Systems)
 - (b) NS 02504-01 Automatic Number Announcer Circuit (ANI- Step-by-Step Systems)
 - (c) NS 02503-01 Automatic Number Announcer Circuit (ANI- Crossbar No. 1 and 5 or Panel offices) (ESS-TSPS)

2. RECORDS AND REQUIREMENTS

2.1 Records

2.11 The results of these tests should be recorded on forms SD-97-1313 and SD-97-1315.

2.2 Requirements

2.21 The tests of this section are based on:

- NS 02501-01
- NS 02504-01
- NS 02503-01

3. TEST EQUIPMENT

3.1 Test Sets

Amt	Code	Description
1	ITE-4442A	Volt-Ohmmeter
1	ITE-450R	Oscillator, H/P 200CD
1	KS-19355 L3	Adjuster

4. FUSING

4.1 The procedures outlined in Section 351 shall be performed before this section can be applied.

5. TEST OPERATION

5.1 Test Set-Up

5.11 Operate the proper relays per Table A

TABLE A

NS's	BLOCK OPERATED	BLOCK RELEASED
02501-01	S and C	REV
02504-01	ON	TRS
02503-01	ON	P

5.12 Insulate relay contacts per TABLE B.

TABLE B

NS	RELAY	CONTACTS
02501-01	REV	6 and 8 break
02504-01	TPS	10 and 11 break
02503-01	P	8 and 10 break

5.13 Perform the operations per TABLE C in the order indicated.

NOTICE - NOT FOR USE OR DISCLOSURE OUTSIDE THE BELL SYSTEM EXCEPT UNDER WRITTEN AGREEMENT

2.
TABLE C

STEP	OPERATION	OBSERVATION															
1	Using the ITE-4442A Volt-meter momentarily connect the positive lead to the nearest available ground and connect the negative lead as follows: <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"><u>REC REL</u></td> <td style="text-align: center;"><u>PUNCHING</u></td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">11</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">21</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">31</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">41</td> </tr> <tr> <td style="text-align: center;">7</td> <td style="text-align: center;">51</td> </tr> </table>	<u>REC REL</u>	<u>PUNCHING</u>	0	11	1	21	2	31	4	41	7	51	The meter should read 20 volts <u>+1.5</u> volts.			
<u>REC REL</u>	<u>PUNCHING</u>																
0	11																
1	21																
2	31																
4	41																
7	51																
2	Using the ITE-4508 Oscillator, turn OSC-AMP control to extreme counterclockwise position.																
3	Using the clip cord of ITE-4508 oscillator, connect the OSC-OUT-JK to punchings 3 and 12 on the Receiver Amplifier.																
4	Set the ITE-4508 Oscillator to 700 Hz.																
5	Connect the ITE-4442A Volt-meter negative lead to pchg. 11 and positive lead to pchg. 15 of relay REC-0 (Reed Relay).																
6	On ITE-4508 Oscillator, turn OSC-AMP control, clockwise.	Between 2V and 6V DC should be read on ITE-4442A voltmeter.															
7	Adjust Receiver Unit 0 transformer tuning slug with KS-19355,L3 Adjuster.	Obtain a peak reading on ITE-4442A Voltmeter.															
8	If the reading on the voltmeter exceeds 6V turn the OSC-AMP control on the ITE-4508 counterclockwise.	The voltmeter should read less than 6V.															
9	Again adjust receiver unit 0 transformer tuning slug with the L3 Adjuster.	Obtain a peak reading on the ITE-4442A voltmeter.															
10	Repeat Steps 8 through 9 until no further increase in the voltmeter reading can be obtained by adjusting the tuning slug.	Reading on the ITE-4442A voltmeter should be between 2V and 6V.															
11	Repeat Steps 2 through 10 for the other receiver units using the following punchings and frequency settings: <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"><u>REC REL</u></td> <td style="text-align: center;"><u>STEP 5 PUNCHING</u></td> <td style="text-align: center;"><u>STEP 4 HZ</u></td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">21 & 25</td> <td style="text-align: center;">900</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">31 & 35</td> <td style="text-align: center;">1100</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">41 & 45</td> <td style="text-align: center;">1300</td> </tr> <tr> <td style="text-align: center;">7</td> <td style="text-align: center;">51 & 55</td> <td style="text-align: center;">1500</td> </tr> </table>	<u>REC REL</u>	<u>STEP 5 PUNCHING</u>	<u>STEP 4 HZ</u>	1	21 & 25	900	2	31 & 35	1100	4	41 & 45	1300	7	51 & 55	1500	
<u>REC REL</u>	<u>STEP 5 PUNCHING</u>	<u>STEP 4 HZ</u>															
1	21 & 25	900															
2	31 & 35	1100															
4	41 & 45	1300															
7	51 & 55	1500															
12	Remove test equipment and restore circuit to normal.																

➔ Arrowed lines indicate new or changed information.

Manager, Engineering and Manufacturing -
Common Systems and Switching
Equipment PECC

Reason for Reissue:
To Change Paragraph 2.11.