11A ANNOUNCEMENT SYSTEM

TESTS

1. GENERAL

1.01 This section describes a method of testing the 11A announcement system designed for intercept service.

1.02 The tests covered are:

A. Voice Level: This test checks that the required voice level is applied to the trunk circuits.

B. Voice Failure: This test checks that a major alarm is sounded and that busy tone is applied to the trunk circuits when there is a voice failure. This test also checks that the recorded announcement is applied to the trunk circuit when voice is restored to the voice and alarm circuit.

C. Fuse Alarm: This test checks the fuse alarm circuits.

D. PC Register: This test checks that the register advances one position each time the intercepting trunk is released after a call has been completed.

1.03 Local instructions should be followed for recording and reporting any register operations caused by performing these tests.

1.04 Tests A, B, and C require removal of the announcement system from service.

2. APPARATUS

Tests A and B

2.01 Blocking and insulating tools as required. Use tools and apply as covered in Section 069-020-801.

2.02 386A plug (600 ohms between tip and ring).

2.03 723A receiver equipped with a 15A headband (monitoring receiver A furnished with circuit).

Test C

2.04 716C test receiver (for use in applying battery to alarm terminal of 70-type fuses).

3. PREPARATION

STEP	ACTION	VERIFICATION
Tests A and B		
1	At control and alarm circuit — Connect monitoring receiver A to M jack.	
2	Insert 386A plug into OUT jack.	

4. METHOD

STEP	ACTION	VERIFICATION
	A. Voice Level	
3	At control and alarm circuit — Block operated ST relay.	

STEP	ACTION	VERIFICATION
4	Using monitoring receiver A, monitor the announcement.	Recorded announcement will start at beginning, complete one cycle, and repeat announcement cycle as long as ST relay remains blocked.
5	Observe VI meter.	During voice announcement, VI meter shall indicate an average of —1 vu.
6	Remove blocking tool from ST relay.	Recorded announcement ceased.
	B. Voice Failure	
3	At announcement circuit — Block nonoperated ST relay.	
4	At control and alarm circuit — Block operated ST relay.	
5	Monitor with monitoring receiver A.	No recorded announcement heard. No VI meter indication. Busy tone heard. After 0, 6, 19, 24, 34, 40, 50, or 55 seconds, depending on option used, major alarm heard; busy tone heard; V ALM lamp lighted.
6	Release AR key.	Major alarm silenced. GD lamp lighted.
7	At announcement circuit — Remove blocking tool from ST relay.	
8	At control and alarm circuit — Operate R key and hold for 15 seconds.	V ALM lamp extinguished.
9	Operate AR key.	GD lamp extinguished.
10	Monitor with monitoring receiver A.	Recorded announcement heard. VI meter indicates an average of —1 vu. Busy tone silenced.
11	Remove blocking tool from ST relay.	
12	Remove 386A plug from OUT jack.	
	C. Fuse Alarm	
1	At control and alarm circuit — Using 716C test receiver, apply —48 volt battery to fuse alarm bus bar.	FA lamp lighted. Fuse alarm heard.

STEP	ACTION	VERIFICATION
2	Release AR key.	Fuse alarm silenced. GD lamp lighted.
3	Remove battery from fuse alarm bus bar.	FA lamp extinguished.
4	Operate AR key.	GD lamp extinguished.

D. PC Register

1	At intercepting trunk circuit — Momentarily operate SR relay.	Register advanced one position.