FOR ANNOUNCEMENT SYSTEM 7A

TESTS

STEP-BY-STEP SYSTEMS

1. GENERAL

- 1.01 This section affects the Equipment Test List.
- **1.02** The tests covered are:
 - A. Voice Present: The ability of this circuit to start the announcement machine within a specified time interval and to amplify the announcement to a satisfactory listening level.
 - B. Voice Failure: The ability of this circuit (1) to recognize an announcement failure within a specified time interval after seizure, (2) to provide overflow tone to replace the announcement on failures, (3) to send a signal to trunks equipped to transfer to an attendant, and (4) to sound a major alarm and light an alarm lamp.
- **1.03** Test B should be performed in light traffic periods.

3. METHOD

STEP ACTION

A. Voice Present

- 1 Insert handset into M jack.
- 2 Block ST relay operated.
- 3 Remove blocking tool from ST relay.
- 4 Remove handset from M jack.

B. Voice Failure

At voice alarm and control circuit— Check options provided in the voice alarm

2. APPARATUS

- 2.01 Test receiver, 716C receiver attached to a W2AB cord equipped with two 360A tools (2W21A cord), one KS-6278 connecting clip, and one 411A tool.
- **2.02** KS-3008 stopwatch or equivalent.
- 2.03 1014A handset or equivalent.
- 2.04 Patching cord, 2W38A cord assembly consisting of a W2CK cord, 471A jack, and a 310 plug (to be used with the 1014A handset).
- 2.05 Blocking and insulating tools, as required.
 Use tools and apply as covered in Section 069-020-801.

VERIFICATION

Announcement heard.

Announcement is clear and stays at a satisfactory listening level for one complete cycle.

Announcement not heard.

STEP

ACTION

VERIFICATION

and control circuit according to Table A. Also refer to 1.03.

TABLE A - TIMING OPTIONS

	TERMINAL STRIP A CROSS CONNECT		TIME
OPTION	TERMINAL TO TERMINAL		IN SECONDS
X	38	28	6
w	48	1	19
V	58		34
WX	38, 48		24
VX	38, 58		40
l vw	48, 58		50
VWX	38, 48, 58		55

- 2 Insert handset into M jack.
- 3 Insulate contact 12 on ST relay.
- 4 Block ST relay operated. **Start timing.**

After___seconds (see Table A)—
Announcement not heard in handset.
Major alarm sounded.
OS-ALM lamp lighted.
Ground present on terminals 13, 14, 23, 33, 43, 53 on terminal strip A on unit.
If connected circuits are not arranged to transfer to an operator—
Overflow tone heard in handset.

5 Operate OS-AR key.

ALM relay released.
Major alarm silenced.
OS-ALM lamp still lighted.
Ground still present on terminals 13, 14, 23, 33, 43, 53 on terminal strip A on unit.
If the connected circuits are not arranged to transfer to an operator—
Overflow tone still heard in handset.

- 6 Remove insulator from contact 12 on ST relay.
- 7 Restore OS-AR key.

OS relay released.
Announcement heard.
If the connected circuits are not arranged to transfer to an operator—
Overflow tone silenced.

8 Remove blocking tool from ST relay.

When ST relay normal—Announcement silenced.

STEP ACTION VERIFICATION

9 Remove handset from M jack.