

SUBSCRIBER LINE VERIFICATION USING AUTOMATIC NUMBER ANNOUNCEMENT CIRCUIT

1. GENERAL

1.01 This section describes the use of the automatic number announcement circuit (ANAC) in testing a line from the field or from the central office (CO) Main Distributing Frame (MDF).

1.02 The ANAC units provide a means of verifying CO and station wiring, confirming customer billing, and identifying unknown subscriber lines.

1.03 The common systems, automatic number announcer and verification circuit is for use with Automatic Number Identification and is used with crossbar No. 1, No. 5, panel, ESS No. 1 or SXS offices.

1.04 This issue of the section is based on the following drawings:

NS-02503-01, Issue 3B

NCD-02503-01, Issue 2B Appendix 1B

If this section is to be used with equipment or apparatus reflecting later issues of the drawings, reference should be made to the NSs and NCDs to determine the extent of the changes and the manner in which the section may be affected.

2. DESCRIPTION

2.01 The ANAC equipment is designed to identify an unknown line by means of a recorded voice. Upon request the ANAC equipment receives the telephone number and converts the information into a recorded voice announcement via relay logic and a multichannel playback device or a solid state numeral generator. Security is provided by a service attendant to challenge all calls placed on the ANAC equipment from outside the CO in which the number dialed is different from the actual number of the line (unmatched calls). For matched calls no challenge is required. Within a CO, the billing number is received over a MDF loudspeaker announcement without a challenge.

3. PREPARATION

3.01 Number verification can be made from any point on the telephone line (pair, drop, pole, manhole, CO, etc).

3.02 The craftsman can use the customer telephone set or he can use his hand test set for testing the line.

3.03 The craftsman will be provided the ANAC access code for the CO that he is working into. The access code can consist of two to five digits depending on the type of CO.

4. ANAC TEST PROCEDURES

TESTING FROM THE FIELD

4.01 Using a telephone or hand test set, dial the ANAC access code followed by the 7-digit telephone number for the line being verified. One of the following indications will be returned on the line:

(a) If the number dialed is the number of the line being used, a combination of high tone signal and busy tones will be heard in the receiver, indicating correct identification of the station.

(b) If the number dialed is not the number of the line being used, a steady ring will be heard in the receiver and the call will be connected to the service desk. When the service attendant answers, the craftsman must identify himself to the service attendant. The service attendant will operate a "start key" to activate the announcement circuit and the correct telephone number of the line will be announced. After the announcement a "fast busy" tone (120 IPM) will be received.

(c) If the ANAC is busy, a "fast busy" tone (120 IPM) will be heard in the receiver.

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- (d) If the translator jumpers are incomplete in the CO, a 120 IPM tone will be heard in the receiver.
- (e) If a test call is being made on a coin line, a high tone will be heard in the receiver. Note that coin line numbers will not be announced; they will have to be obtained with help from the switching department.
- (f) When using a hand test set in the field to verify a two-party line, only the ring party can be identified because the hand test set has no ground supply for tip party test.
- (b) If translator jumpers are not complete, a 120 IPM tone will be heard in the receiver.
- (c) If the ANAC is busy, "fast busy" tone (120 IPM) will be heard in the receiver.
- (d) If the ANAC access code is dialed on a coin line, a high tone is heard in the receiver. Note that coin line numbers will not be announced and will have to be obtained with help from the switching department.

TESTING FROM CO MDF

4.02 Using a hand test set, dial the ANAC access code on the pair to be identified; one of the following indications will occur:

- (a) The telephone line number will automatically be announced over speakers located in the MDF area.