

CENTREX TO PRIVATE BRANCH EXCHANGE

AUTOMATIC NUMBER IDENTIFICATION

FEATURE DOCUMENT
1A ESSÔ SWITCH

CONTENTS	PAGE
1. INTRODUCTION	1
2. USER PERSPECTIVE	1
3. ENGINEERING	2
4. IMPLEMENTATION	2
5. ADMINISTRATION	2
6. REFERENCES	2
7. COMMENT FORM	3
8. ISSUING ORGANIZATION	3

1. INTRODUCTION

DEFINITION

1.01 The Centrex to PBX (Private Branch Exchange) ANI (Automatic Number Identification) feature provides ANI forwarding from a Centrex to a PBX over a specified trunk group.

ECONOMIC WORTH

1.02 This enhancement eliminates the dialing of the authorization code required by the PBX to identify the calling station number.

AVAILABILITY

1.03 The Centrex to PBX ANI feature is available beginning with the 1AE8A.08 and 1AE9.03 and later generic programs.

FEATURE GROUPS

1.04 The 9SLHTO (local HILO touch-tone outpulsing) feature group is required to implement the Centrex to PBX ANI feature.

2. USER PERSPECTIVE

FEATURE DESCRIPTION

2.01 The Centrex to PBX ANI feature automatically forwards ANI digits from Centrex to PBX over a specified trunk group. When a Centrex end user dials an access code to seize a tie trunk to the PBX system, the 1A ESS switch automatically outpulses the ANI digits in a DTMF (dual-tone multi-frequency) format over the tie trunk. After the ANI digits have been forwarded, the 1A ESS switch cuts through a talking path to the PBX system. The PBX system, after collecting the ANI digits, returns a dial tone to the Centrex user. At this point, the Centrex user dials the called directory number.

Note: The called directory number is not collected by the 1A ESS switch.

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Page 1

AT&T 231-390-394

INTERACTIONS

2.02 The new dialing format for the Centrex user is as follows:

- (a) The Centrex user dials the access code (e.g., *1) to seize private facilities (tie trunk).

Note: The number of digits of the access code cannot exceed two.

- (b) The ANI digits will be sent from the 1A ESS switch. (The ANI will be in the format 0 + 7-digit calling station number.)
- (c) The PBX returns dial tone.
- (d) The Centrex user dials seven or ten digits.

3. ENGINEERING

HARDWARE

3.01 No new hardware is needed for the Centrex to PBX ANI feature.

3.02 If the Centrex customer has any dial pulse stations, then the tie trunks used between the Centrex and the PBX must be capable of autonomously repeating customer generated dial pulses to the PBX. The 1A ESS switch circuits capable of the dial repeating function are SD-1A239-01, SD-1A473-01, and SD-1A474-01.

3.03 If the Centrex to PBX ANI feature is activated, additional touch-

tone transmitters may be required for the 1A ESS switch. To determine quantity of touch-tone transmitters, use the recommended procedures in COEES (Central Office Equipment Engineering System) and MO (Mechanized Ordering) modules.

SOFTWARE

A. Base Generic Program

3.04 Approximately 110 words of 1A ESS switch code are required for the Centrex to PBX ANI feature.

B. Parameters/Call Store Areas

3.05 Not applicable.

C. Translations

3.06 This feature requires the following translations data characteristics.

- (a) The traffic service position indicator in the trunk class code expansion table for the outgoing trunk must be set.
- (b) The outpulsing type in the trunk class code expansion table for the outgoing trunk must be DTMF or touch-tone.
- (c) The application wink indicator in the route index expansion table must be set.
- (d) The wink indicator in the route index expansion table must not be set (0).
- (e) The transmitter type in the route index expansion table must be DTMF or touch-tone.
- (f) The Centrex access code digit interpretation should indicate tie trunk (data type 3) with no additional digits expected.

4. IMPLEMENTATION

SET CARDS

4.01 Not applicable.

RECENT CHANGES

4.02 Refer to Part 6 A(2) and A(3) for further information regarding recent change messages. Refer to Part 6 B(3) and B(4) concerning input and output messages.

5. ADMINISTRATION

MEASUREMENTS

5.01 Not applicable.

6. REFERENCES

6.01 The following documents contain information related to or affected by the Centrex to PBX ANI feature.

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A. AT&T Practices

- (1) 231-090-366-HILO 4-Wire Switching
- (2) 231-318-316-General Recent Change and Verification Information
- (3) 231-318-321-Translators Not Having Specific Recent Change Messages Updating Translations.

B. Other Documentation

- (1) Translation Output Configuration PA-6A002
- (2) Translation Guide TG-1A
- (3) Input Message Manual IM-6A001
- (4) Output Message Manual OM-6A001.

7. COMMENT FORM

7.01 A comment form is located at the back of this practice to provide a communications channel from the user to the writer.

8. ISSUING ORGANIZATION

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COMMENT FORM

Your comments and suggestions concerning accuracy, level of coverage, organization, etc., of this document will be appreciated. Please be as specific as possible for technical comments.

() Check to request reply (technical comments only, please).

Mail comments to:

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Page 4

4 Pages