

ELECTRONIC SWITCHING SYSTEMS
 5ESS®
 SWITCH COMMUNICATIONS
 ADAPTER TRANSLATOR
 APPLICATION PROCESSOR
 APPLICATION SCHEMATIC

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schematic provides connectivity information for a new SCA unit which provides a versatile, user-configurable, and self-diagnosable interface between an ISDN Basic Rate Interface (BRI) Digital Subscriber Line (DSL) and customer-supplied electronic voice or paper message service systems.

2. GENERAL DESCRIPTION OF OPERATION

2.01 The SCA allows the customer to send and receive AT&T (1AE7) SCA messages to an AT&T 5ESS Switch. The 3A SMSI receives Message Service Systems (MSS) messages from the 5ESS Switch through the D-channel of an ISDN line. The SCA takes care of layer 1, layer 2, and layer 3 ISDN communications with the 5ESS Switch. After the MSS message is received, the 3A SCA will translate the message into a 1A ESS switch message. After the translation, the message is sent to the paper or voice message processor.

SECTION I - GENERAL DESCRIPTION

1. PURPOSE OF SCHEMATIC

1.01 The Switch Communications Adapter Translator (SCA) application

SECTION II - DETAILED DESCRIPTION

1.01 None.

SECTION III - REFERENCE DATA

1. WORKING LIMITS

1.01 None.

2. FUNCTIONAL DESIGNATIONS

2.01 See Information Note 305 in the schematic.

3. FUNCTIONS

3.01 Provides application information for the Switch
Communications Adapter Application Processor.

4. ASSOCIATED CIRCUITS

See Information Note 304 in the schematic.

5. MANUFACTURING TEST REQUIREMENTS

5.01 None.

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