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5ESS™ SWITCHING EQUIPMENT
5A RSM APPLICATION
SCHEMATIC

SECTION I - GENERAL DESCRIPTION

1. PURPOSE OF CIRCUIT

- 1.01 The 5A remote switching module (RSM) application schematic defines all high-level interconnections within a 5A RSM.

2. GENERAL DESCRIPTION OF OPERATION

- 2.01 The RSM is a 4-to-7-bay complex, consisting of a power distribution cabinet, a miscellaneous cabinet a switching module, a switching module control (SMC), and line trunk peripheral (LTP) cabinets. It is located at a remote site and connected to a host switching module in a 5ESS switching office.

SECTION II - DETAILED DESCRIPTION

1. The following units are equipped in an SMC cabinet of an RSM. Refer to the circuit descriptions listed below for detailed descriptions of each unit:

- A. IMC - CD-5D118-01 AS1, AS2
- B. Time slot interchange unit (TSIU) - CD-5D041-01 or time slot interchange unit model 2 (TSIU2) - CD-5D045-01
- C. Switching module processor unit (SMPU) - CD-5D040-01 or interface module processor unit model 2 (SMPU2) - CD-5D129-01
- D. Fuse/filter unit (F/FU) - CD-5D053-01
- E. Fan unit (FU) - CD-5D013-02

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"BELL" and/or the BELL symbol in this document is hereby
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2. The following units may be equipped in an LTP cabinet of an RSM. Refer to circuit descriptions listed below for detailed descriptions of each unit:
 - A. LTP - CD-5D119-01 AS1, AS2
 - B. Facilities interface unit (FIU) - CD-5D400-01, AS3
 - C. Digital line trunk unit (DLTU) - CD-5D201-01, AS4
 - D. Module metallic service unit (MMSU) - CD-5D015-01, AS5
3. The following units may be equipped in a miscellaneous cabinet of an RSM. Refer to circuit descriptions listed for detailed descriptions of each unit. M - CD-5D130-01 AS6
 - A. Resistor panel unit (PRU): CD-5D044-01
 - B. 13A recorded announcement unit (13ARAU): CD-97753-01
 - C. Remote alarm unit (RAU): CD-5D008-01
 - D. Fuse/filter unit (F/FU): CD-5D053-01
4. A 48V small battery power plant is required to provide -48V power to the RSM - AS7
5. Interbay connection of fan alarm leads is detailed in AS8

SECTION III - REFERENCE DATA

1. WORKING LIMITS

1.01 None

2. MANUFACTURING AND TESTING REQUIREMENTS

2.01 None required

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