

CIRCUIT DESCRIPTION

CD-5X215-02
ISSUE 1
APPENDIX 5B
DWG ISSUE 6B
DISTN CODE BT15

**5ESS® SWITCHING EQUIPMENT
EXPORT DATASET CABINET
APPLICATION SCHEMATIC
CIRCUIT**

4. REASONS FOR REISSUE

B. Changes in Apparatus

Added information for the optional new look 5E2000 cabinet as a replacement for the current standard cabinet.

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DEPT NA5350000-OW-FNG

CIRCUIT DESCRIPTION

CD-5X215-02
ISSUE 1
APPENDIX 4B
DWG ISSUE 5B
DISTN CODE BT13

5ESS® SWITCHING EQUIPMENT
EXPORT DATA SET CABINET
APPLICATION SCHEMATIC
CIRCUIT

CHANGES

D. DESCRIPTION OF CHANGES

- D.1 PDI 5B introduces the new Modular Fuse/Filter Unit J5D003FJ (MFFU) to the Data Set Export Cabinet.

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CIRCUIT DESCRIPTION

CD-5X215-02
ISSUE 1
APPENDIX 3A
DWG ISSUE 4A
DISTN CODE BT15

5ESS® SWITCHING EQUIPMENT
EXPORT DATA SET CABINET
APPLICATION SCHEMATIC
CIRCUIT

CHANGES

D. DESCRIPTION OF CHANGES

- D.1 PDI 4A changes the backplane connector located on J5D003AU-2 Fuse/Filter Unit from a 982NB to 982SC.

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CIRCUIT DESCRIPTION

CD-5X215-02
ISSUE 1
APPENDIX 2B
DWG ISSUE 3B
DISIN CODE BT15

5ESS® SWITCHING EQUIPMENT
EXPORT DATA SET CABINET
APPLICATION SCHEMATIC
CIRCUIT

CHANGES

D. DESCRIPTION OF CHANGES

D.1 PDI 3B adds information for Completed and Booked Call Retrieval.

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CIRCUIT DESCRIPTION

CD-5X215-02
ISSUE 1
APPENDIX 1M
DWG ISSUE 2M
DISTN CODE BT15

5ESS® SWITCHING EQUIPMENT
EXPORT DATA SET CABINET
APPLICATION SCHEMATIC
CIRCUIT

CHANGES

D. DESCRIPTION OF CHANGES

- D.1 PDI 2M adds information for the 3 Fan Unit and LEDs.
- D.2 PDI 2M provides CAD and APPLICATION FIGURES for Fusing and Power in the Data Set Cabinet.
- D.3 PDI 2M adds Option "Y" for wired cabinet LEDs and connectorized cabinet LEDs.

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5ESS® SWITCHING EQUIPMENT
EXPORT DATA SET CABINET
APPLICATION SCHEMATIC

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SECTION I - GENERAL DESCRIPTION

1. PURPOSE OF CIRCUIT

1.01 The Export Dataset Cabinet (DSC) houses the 110 volt ac and 220 volt ac Data Service Units (DSU) and modems used for international applications. The DSC cabinet also houses 220 volt printers, terminals, and other peripheral equipment used in

the international market. The DSC is a standard six foot 5ESS® frame and is included in the 5ESS® lineup.

2. GENERAL DESCRIPTION OF OPERATION

2.01 The DSC is a standard 5ESS® cabinet equipped with a 220 volt outlet strip, fan unit, and fuse/filter unit. The cabinet can be equipped with a 110 or 220 volt modem/DSU nest with brackets designed to hold the nest in the cabinet.

3. APPLICATIONS

3.01 The DSC cabinet houses modems and hardware for the international features Dataport, Recent Change Verify - Local (RCV), Route Status Display System (RSDS), and the Recent Change/Verify Module (RCM).

SECTION II - DETAILED DESCRIPTION

1. GENERAL

1.01 When used with the AT&T Paradyne modem nest, the DSC comes in two options: normal and load share. The DSC in the normal configuration can house a maximum of three modem card nests. Each card nest obtains its dc power from a single power supply mounted above the nest, and can hold a maximum of sixteen modem cards.

1.02 The second option, passive load sharing, is used for protection against a power supply failure. The load share power configuration allows installation of an additional power supply to a card nest. Load sharing uses a card nest +1 power supply formula. The power supplies are attached to a load share bus in the DSC, allowing full dc power to be maintained to the card nest(s) in the event of a power supply failure. In the load share configuration, a single card nest requires two power supplies be attached to a load share bus. The maximum configuration for the load share option requires that two card nests and three power supplies be attached to the load share bus.

1.03 Modems for use with the Gandalf nest can be configured for either synchronous or asynchronous operation. Gandalf modem nests can hold a maximum of fourteen modem cards. A maximum of three Gandalf card nests can be mounted in the DSC. Each nest derives dc power from a single power supply mounted in the DSC.

2. POWER

2.01 Protected ac is provided by an inverter located in the power distribution cabinet. A power strip containing eight 110 or 220 volt outlets is housed in the DSC. Power units from the modems/DSUs plug into the strip connected to the protected ac.

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3. CONNECTIONS

Processor/5ESS to DSC

3.01 Cables linking the modem nest in the DSC to the 5ESS and the 3B2D processor are engineered on a per-office basis. One cable per modem/DSU is required. Refer to SD-5X215-01 for cable information.

DSC To MDF

3.02 Cables linking the modem nest in the DSC to the Main Distributing Frame (MDF) are engineered on a per-office basis. Cables can be engineered on a one per modem/DSU or one per modem nest basis. Refer to SD-5X215-01 for cable information.

Alarm Connections

3.03 Paradyne Modems use internal alarms for detection of power or modem failure. Alarms to detect fan and fuse/filter unit failure are provided by a scan alarm cable. A connection is provided from the fuse/filter unit through the MDF to the I/O peripheral for scan alarms.

SECTION III - REFERENCE DATA

1. WORKING LIMITS

1.01 None.