

297-8041-101

DMS-100 Family

European Compliancy and Safety Regulations

Warning Notices and Bulletins

EUR006 and up Standard 01.01 September 1998

NORTEL
NORTHERN TELECOM

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Information is subject to change without notice. Northern Telecom reserves the right to make changes in design or components as progress in engineering and manufacturing may warrant.

This product complies with the provisions of the Electromagnetic Compatibility (EMC) Directive (89/336/EEC), the Amending Directive (92/31/EEC), the Low Voltage Directive (73/23/EEC), the CE Marking Directive (93/68/EEC) and the Telecommunications Terminal Equipment Directive (91/263/EEC) [where the product may be deployed as a private apparatus connected to the Public Telephone Network], and as such this product bears the CE marking in accordance with the applicable Directives.

This product is intended for deployment in a light industrial, non-domestic environment, and complies with the relevant EMC standards for emissions and immunity. Since this is a Class A product, in a domestic environment this product may cause radio interference. In this case, the user may be required to take adequate measures.

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About this document

When to use this document

This document describes European compliancy and safety regulations. Read this document thoroughly for a full understanding of these procedures.

How to check the version and issue of this document

The version and issue of the document are indicated by numbers, for example, 01.01.

The first two digits indicate the version. The version number increases each time the document is updated to support a new software release. For example, the first release of a document is 01.01. In the *next* software release cycle, the first release of the same document is 02.01.

The second two digits indicate the issue. The issue number increases each time the document is revised but rereleased in the *same* software release cycle. For example, the second release of a document in the same software release cycle is 01.02.

To determine which version of this document applies to the software in your office and how documentation for your product is organized, check the release information in *Product Documentation Directory*, 297-8991-001.

This document is written for all DMS-100 Family offices. More than one version of this document may exist. To determine whether you have the latest version of this document and how documentation for your product is organized, check the release information in *Product Documentation Directory*, 297-8991-001.

European Compliancy and Safety Regulations

Introduction

This volume holds general European Compliancy statements, plus safety details for laser components and interconnection points.

European Compliancy statement

This product complies with the provisions of the Electromagnetic Compatibility (EMC) Directive (89/336/EEC), the Amending Directive (92/31/EEC), the Low Voltage Directive (73/23/EEC), the CE Marking Directive (93/68/EEC) and the Telecommunications Terminal Equipment Directive (91/263/EEC) [where the product may be deployed as a private apparatus connected to the Public Telephone Network], and as such this product bears the CE marking in accordance with the applicable Directives.

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Safety Status of Interconnection Points for DMS–100 Family

In accordance with standard EN 41003, the following is a list of general interconnection/interface points for the DMS–100 family along with the safety status of the points. A more detailed list with specific product codes can be provided upon request.

Safety status of interconnection points

Interconnection Point	Safety Status	Comment
Digital Trunk Interfaces	SELV	Digital trunk interfaces are PCM 30 interfaces, located in the peripheral modules (LGC, LTC, DTC). These interfaces must be installed with isolation from outside plant with a repeater, channel bank, or some other means of safety isolation.
Analog Trunk Interfaces	TNV	Analog trunk interfaces provide the interface between the analog transmission/signaling trunk facilities and digital circuits in the trunk shelf. They are located within the Integrated Services Module (ISM).
Analog Trunk Interfaces	TNV	Analog trunk interfaces provide the interface between the analog transmission/signaling trunk facilities and digital circuits in the trunk shelf. They are located within the Integrated Services Module (ISM).
Low Voltage Data Interfaces	SELV	Data interfaces provided to the Maintenance and Administration I/O Controller.
Digital Interfaces	SELV	Data line cards, digital signalling in CCS7 and STP DS0A I/F. Not intended for connection to outside plant.
External Equipment Interfaces	SELV/TNV	Customer provisionable equipment connections used for monitoring, alarms, etc. must be made in consideration of the type of interface provided. If DMS–100 interface to customer equipment is classified as TNV, then customer equipment must provide appropriate isolation for incoming TNV circuit or, the interfacing circuit must be reliably grounded (both in accordance with EN 60950). In the same respect, customer provided TNV interfaces should not be joined to SELV interfaces of the DMS–100.
—continued—		

Safety status of interconnection points (continued)

Interconnection Point	Safety Status	Comment
Remote Terminal Interfaces	SELV	Interface provided between a terminal and the SuperNode core processor. These are SELV data interfaces.
Multi-Protocol Controller Interfaces	SELV	Interface between DMS-100 and external processing systems, located on the I/O controller shelf of the Maintenance and Administration area.
Optical Fiber Interfaces	N/A	DS-512 and ENET fiber interfaces. All fiber optic transmitters have been classified by the suppliers as Class I in accordance with EN 60825.
—end—		

Class 1 Laser Products safety statement



This product contains Class 1 Laser Products. In accordance with IEC 60825-1 (Safety of Laser Products), Class 1 Laser Products are considered to be lasers which are safe under reasonably foreseeable conditions of operation.

Precautionary messages

The types of precautionary messages used in NT documents include attention boxes and danger, warning, and caution messages.

An attention box identifies information that is necessary for the proper performance of a procedure or task or the correct interpretation of information or data. Danger, warning, and caution messages indicate possible risks.

Examples of the precautionary messages follow.

ATTENTION Information needed to perform a task

ATTENTION

If the unused DS-3 ports are not deprovisioned before a DS-1/VT Mapper is installed, the DS-1 traffic will not be carried through the DS-1/VT Mapper, even though the DS-1/VT Mapper is properly provisioned.

DANGER Possibility of personal injury



DANGER

Risk of electrocution

Do not open the front panel of the inverter unless fuses F1, F2, and F3 have been removed. The inverter contains high-voltage lines. Until the fuses are removed, the high-voltage lines are active, and you risk being electrocuted.

WARNING Possibility of equipment damage



WARNING

Damage to the backplane connector pins

Align the card before seating it, to avoid bending the backplane connector pins. Use light thumb pressure to align the card with the connectors. Next, use the levers on the card to seat the card into the connectors.

CAUTION Possibility of service interruption or degradation



CAUTION

Possible loss of service

Before continuing, confirm that you are removing the card from the inactive unit of the peripheral module. Subscriber service will be lost if you remove a card from the active unit.

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**European Compliancy and
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