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Harmonized European Standard (Telecommunications series)

**Electromagnetic compatibility
and Radio spectrum Matters (ERM);
Telecommunication network equipment;
ElectroMagnetic Compatibility (EMC) requirements**

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Foreword

This Harmonized European Standard (Telecommunications series) has been produced by ETSI Technical Committee Electromagnetic compatibility and Radio spectrum Matters (ERM).

The present document has been produced by ETSI in response to a mandate from the European Commission issued under Council Directive 98/34/EC [i.24] (as amended) laying down a procedure for the provision of information in the field of technical standards and regulations.

The present document is intended to become a Harmonized Standard, the reference of which will be published in the Official Journal of the European Communities referencing the Council Directive on the approximation of the laws of the Member States relating to electromagnetic compatibility ("the EMC Directive") (89/336/EEC [i.22] as amended and 2004/108/EC [i.25]).

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1 Scope

The present document covers the EMC requirements for non-radio equipment intended to be used within a public telecommunications network, which provides telecommunications between Network Termination Points (NTPs) (i.e. excluding terminal equipment beyond the NTPs). Examples of such equipment are:

- Switching equipment. Such equipment includes:
 - local telephone exchanges;
 - remote switching concentrators;
 - international switches;
 - telex switches;
 - network packet switches;
 - base station controllers, radio network controllers;
 - network servers and gateways.
- Non-radio transmission equipment and ancillary equipment. Such equipment includes:
 - multiplexers;
 - line equipment and repeaters, e.g. equipment for:
 - Synchronous Digital Hierarchy (SDH);
 - Plesiochronous Digital Hierarchy (PDH);
 - Asynchronous Transfer Mode (ATM);

such as:

- Digital Cross Connect systems;
 - network terminations;
 - transmission equipment used in the access network like xDSL.
- Power supply equipment. Such equipment includes:
 - central power plant;
 - end of suite power supplies;
 - uninterruptible power supplies;
 - stabilized AC power supplies; and
 - other dedicated telecommunication network power supplies;

but excludes equipment which is uniquely associated with or integrated in other equipment.