



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

[ETSI EN 300 386 V1.6.1 \(2012-09\)](https://standards.iteh.ai/catalog/standards/etsi/7ed2069f-c31e-4077-a539-2c5564d1a2f0/etsi-en-300-386-v1-6-1-2012-09)

<https://standards.iteh.ai/catalog/standards/etsi/7ed2069f-c31e-4077-a539-2c5564d1a2f0/etsi-en-300-386-v1-6-1-2012-09>

Reference

REN/ERM-EMC-312

Keywords

EMC, network, testing

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Sous-Préfecture de Grasse (06) N° 7803/88

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Foreword

This final draft Harmonized European Standard (EN) has been produced by ETSI Technical Committee Electromagnetic compatibility and Radio spectrum Matters (ERM), and is now submitted for the ETSI standards One-step Approval Procedure.

The present document has been produced by ETSI in response to a mandate from the European Commission issued under Directive 98/34/EC [i.23] as amended by Directive 98/48/EC [i.30].

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") (2004/108/EC [i.24]).

Proposed national transposition dates

Date of latest announcement of this EN (doa):	3 months after ETSI publication
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	6 months after doa
Date of withdrawal of any conflicting National Standard (dow):	36 months after doa

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.