

COMMON REGULATORY OBJECTIVES FOR PSTN TERMINAL EQUIPMENT

PART 2

SPECIFIC ASPECTS OF PSTN TERMINAL EQUIPMENT

1. SCOPE

This Common Regulatory Objective, CRO, is applicable to PSTN Terminal equipment, as defined in Clause 2.

A CRO is structured in 2 parts:

- **Part 1:** Part 1 of all ICT equipment CROs specifies the common and general requirements needed to satisfy the regulatory objectives of the participating Countries.
- **Part 2:** The present document is Part 2 of the PSTN Terminal equipment CRO and specifies, for PSTN Terminal equipment, the specific requirements needed to satisfy the regulatory objectives of the participating Countries.

The validity of a CRO is only achieved with the full application of both Part 1 and Part 2.

This CRO specifies the requirements needed to satisfy the regulatory objectives of Countries. Thus, this agreement will allow PSTN Terminal equipment, which is in compliance with this CRO to be placed on the market and be put into service as equipment within Countries, that have implemented this CRO.

2. PSTN TERMINAL EQUIPMENT

A “PSTN Terminal”, e.g. a modem or a telephone, is a Telecommunication transmission device intended to be connected to analogue interfaces of the Public Switched Telephone Network (PSTN) as terminal equipment in order to exchange with other terminals information received from other sources in form of data signals with frequency characteristics within the voice band (a modem) or in order to allow a voice communication between two (or more) users connected via a telecommunications network (a telephone). For this purpose PSTN terminals normally interoperate with the PSTN. A terminal may be a separate piece of equipment, e.g. a simple telephone or a standalone modem, or an integral part of a device, e.g. a modem card in a portable PC.

3. REFERENCES

There are no specific references related to this CRO apart from what is given in Part 1.

4. DEFINITIONS

There are no specific definitions related to this CRO apart from what is given in Part 1.

5. PRODUCT REQUIREMENTS

This CRO covers the legitimate regulatory objectives for PSTN Terminal equipment.

The objectives cover:

- Safety, including Electromagnetic Fields
- Electromagnetic Compatibility
- Avoidance of harm to the PSTN

6. REFERENCE TO STANDARDS

The recognized standards relevant for this CRO are listed in the Annex.

ANNEX

PSTN Terminal equipment shall be held to be compliant if they comply with each of the standards listed. The version of the standard listed is valid at the time of publication of this CRO. Subsequent versions of the listed standards are accepted unless otherwise stated by Countries having agreed on this CRO.

Conformity requirements can be found in the standards where the technical requirements are defined, or in separate standards.

A. Safety

IEC 60950 (1999)	Safety of information technology equipment
CB Bulletin (parts covering the intended markets)	IECEE (The IEC System for Conformity Testing and Certification of Electrical Equipment).

B. Electromagnetic Compatibility

CISPR 22:1997 + Am1:2000 Class B	“Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement ”
FCC Part 15.109 Class B	Additional for emissions above 1 GHz: “Radio Frequency Devices; Unintentional Radiators; Radiated emission limits”
IEC 61000-3-2:1995 + Amendments	For equipment with AC mains power: “Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)”
IEC 61000-3-3:1995	For equipment with AC mains power: “Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection”
CENELEC EN 55024:1998	“Information technology equipment – Immunity characteristics – Limits and methods of measurement”

C. Avoidance of harm to the PSTN

ETSI TBR 21* (January 1998) Terminal Equipment (TE); Attachment requirements for pan-European approval for connection to the analogue Public Switched Telephone Networks (PSTNs) of TE (excluding TE supporting the voice telephony service) in which network addressing, if provided, is by means of Dual Tone Multi Frequency (DTMF) signalling

*Clauses 1, 2, 3, 4.1, 4.4.3, 4.7.3, 4.7.4, and corresponding parts of Annex A.

(To be replaced by ES 203 021-1 and ES 203 021-2 at a later stage)

TIA/EIA/IS-968 (July 2001) Telecommunications - Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network

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