



United Arab Emirates



TECHNICAL SPECIFICATION

Requirements for Connection to X.21

Version 1.0

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Technical Specification, EMC and Safety Requirements, Version 1.0, Issued 16 Month 2006

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1. Scope

This specification lists the safety and Electromagnetic Compatibility requirements applicable to all radio and telecommunications terminal equipment intended to be used in the UAE.

2. Definitions

Unless the context requires otherwise, the expressions and wordings appearing in Federal Law by Decree No. (3) of 2003 Regarding the Organisation of the Telecommunications Sector shall have the same meaning ascribed thereto in the above-mentioned Federal Law by Decree, and the following expression and wording shall have the following meanings assigned thereto:

ANSI	American National Standards Institute ¹
CENELEC	European Committee for Electro-technical Standardisation ²
CISPR	International Special Committee for Radio Interference ³
IEC	International Electro-technical Commission ⁴
ITU	International Telecommunications Union ⁵
ETSI	European Telecommunications Standards Institute ⁶

3. Technical Requirements

General

All equipment shall comply with TRA specification TS001 concerning safety and EMC performance.

¹ ANSI standards can be obtained from, <http://webstore.ansi.org>

² CENELEC standards can be obtained from, www.cenelec.org

³ CISPR standards can be obtained from, www.cenelec.org

⁴ IEC standards can be obtained from, www.iec.ch

⁵ ITU standards can be obtained from, www.itu.int

⁶ ETSI standards can be obtained from, www.etsi.org



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Specific

Unless stated otherwise below, the latest published versions of the following standards shall apply, as applicable to the interfaces supported by the terminal:

E1, 2.048 Mbit/s

It is recognised that a number of largely equivalent specifications exist for terminal equipment offering connection to E1 120 Ω 2.048 Mb/s services; it is also recognised that a great number of manufacturers continue to reference older ETSI specifications such as TBR 12 and TBR13 for unstructured and unstructured interfaces respectively. Thus compliance shall be required with the appropriate standard from the following:

ITU-T Recommendation X.21

Interface between Data Terminal Equipment and Data Circuit-terminating equipment for synchronous operation on Public Data Network

ITU-T Recommendation X.21 bis

Use on Public Data Networks of Data Terminal Equipment (DTE) which is designed for interfacing to Synchronous V-Series Modems