
TECHNICAL SPECIFICATION

Requirements for Equipment connecting to 2.048 Mb/s Digital Leased Line Services

TS TTE 001, Version 1.0

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1 General requirements

Technical specification has been prepared and approved by the Telecommunications Regulatory Authority (TDRA) based on the Telecommunication apparatus Type Approval Regime.

Several technical specifications may apply to the equipment. If equipment within the scope of this technical specification also incorporates functions that are covered by another technical specification, the relevant technical specification is applied to each function separately. The influence of one function on the other is taken into account.

2 Scope

This technical specification applies to terminal equipment which includes interfaces that may be connected to 2.048Mb/s Digital Leased Line connections offered by public network operators.

This technical specification defines minimum technical requirements for health and safety, electromagnetic compatibility and additional essential requirements based on the Telecommunication apparatus Type Approval Regime.

Unless the context requires otherwise, the expressions and wordings appearing in the Telecommunication apparatus Type Approval Regime shall have the same meaning described thereto.

3 Technical Requirements

3.1 Network connection

The equipment shall meet the requirements of following standard(s):

TBR 12 Business TeleCommunications (BTC); Open Network Provision (ONP) technical requirements; 2048 kbit/s digital unstructured leased line (D2048U); Attachment requirements for terminal equipment interface

TBR 13 Business TeleCommunications (BTC); 2048 kbit/s digital structured leased lines (D2048S); Attachment requirements for terminal equipment interface

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EN 300 248 Access and Terminals (AT); 2048 kbit/s digital unstructured leased line (D2048U); Terminal equipment interface

3.2 Electromagnetic compatibility

The equipment shall meet the requirements of following standard(s):

EN 55022 Information technology equipment; Radio disturbance characteristics; Limits and methods of measurement (CISPR 22).

EN 55024 Information technology equipment; Immunity characteristics; Limits and methods of measurement (CISPR 24).

EN 55032 Electromagnetic compatibility of multimedia equipment - Emission requirements.

EN 300 386 Electromagnetic compatibility and Radio spectrum Matters (ERM); Telecommunication network equipment; ElectroMagnetic Compatibility (EMC) requirements

3.3 Health and safety

The equipment shall meet the requirements of Technical specification TS HS 001.

3.4 Additional essential requirements

It must be possible to ground the outer conductor or screen of the coaxial pair or the screen of the symmetrical pair in accordance with ITU-T G.703. Section 9.4.

If it is intended that a 75Ω interface connects via a Balun to 120Ω services testing should be carried out with the Balun in place.

3.5 Validity of standards

If no issue or revision number is quoted along with the title of a standard, the valid edition should be used. The valid of the standard can be checked on:

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- For EN standards:

http://ec.europa.eu/growth/single-market/european-standards/harmonised-standards/rte/index_en.htm;

- For TBR standards:

<http://www.etsi.org/>