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Digitalno omrežje z integriranimi storitvami (ISDN) - Zahteve za priključitev terminalske opreme v paketnem načinu na ISDN z uporabo osnovnega dostopa ISDN

Integrated Services Digital Network (ISDN); Attachment requirements for packet mode terminal equipment to connect to an ISDN using ISDN basic access

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Foreword

This Technical Basis for Regulation (TBR) has been produced by the Signalling Protocols and Switching (SPS) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This TBR resulted from a mandate from the Commission of the European Community (CEC) to provide harmonized standards for the support of the Council Directive 91/263/EEC ("The Terminal Equipment Directive").

Annex F provides information relating to the articles of the Directive 91/263/EEC.

Annexes A, B, C, D, E and G are normative whereas annexes F, H and J are informative.

Overview of the Abstract Test Suites (ATSs)

This TBR is accompanied by the following ATSs (see annexes B, C and D):

- T33L1_7 (layer 1);
- T33L2_3 (layer 2);
- T33L3_5 (layer 3).

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1 Scope

This Technical Basis for Regulation (TBR) specifies the technical requirements under articles 4(c) to 4(f) of Directive 91/263/EEC for Terminal Equipment (TE) to be attached to the pan-European Integrated Services Digital Network (ISDN) at an interface at the T reference point or coincident S and T reference point for a basic access. These requirements are intended to ensure that the essential requirements of Directive 91/263/EEC continue to be met when up to eight Terminal Equipments are simultaneously connected at the coincident S and T reference point. These requirements are taken from TBR 3 [9], ETS 300 007 [10], ETS 300 047-3 [12], ETS 300 012 [11], ETS 300 102-1 [13] and ETS 300 125 [14]. This TBR does not contain the essential requirements of Article 4 (g) for interworking via the public network, and so does not provide any guarantee of correct terminal-to-terminal operation.

NOTE 1: Although this TBR provides the technical attachment requirements, it does not contain the full specification of the user side of the ISDN user-network interface. Important information necessary for correct working can be found only in the base standards mentioned above.

This TBR specifies these requirements for TE that:

a) access Packet Handler (PH) of an ISDN through either on-demand B- or D-channel mode or semi-permanent B-channel mode basic services (case B of X.31) and those supplementary services that are specified in annex G; and

b) is capable of handling either incoming calls only, outgoing calls only or both incoming and outgoing calls.

This TBR applies to all TE that is intended for connection to the forms of ISDN access referred to above, irrespective of whether the TE provides additional interfaces, telecommunications services or functions for which other TBRs or national approval requirements apply.

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This TBR does not specify the requirements for a packet mode TE that uses on-demand B-channel circuit mode access (case A of X.31); the requirements for such a TE are contained in TBR 3 [9].

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NOTE 2: This TBR is not applicable to TE which may be supplied in some countries for connection to an ISDN telecommunications service corresponding to, but not compatible with, the pan-European ISDN basic access standards.

2 Normative references

This TBR incorporates by dated and undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this TBR only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

[1] CCITT Recommendation G.117 (1988): "Transmission aspects of unbalance about earth (Definitions and methods)".

[2] CCITT Recommendation I.411 (1988): "ISDN user-network interfaces - Reference configurations".

[3] CCITT Recommendation I.430 (1988): "Basic user-network interface - Layer 1 specification".

[4] EN 60603-7 (1993): "Connectors for frequencies below 3 MHz for use with printed boards; Part 7: Detail specification for connectors, 8-way, including fixed and free connectors with common mating features; (IEC 603-7:1990)".

[5] ISO/IEC 9646-1: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General Concepts".