SLOVENSKI STANDARD
SIST I-ETS 300 302-1 E1:2003

01-december-2003

Digitalno omrežje z integriranimi storitvami (ISDN) - Daljinske storitve: videotelefonija - 1. del: Elektroakustične karakteristike za funkcijo telefonije s pogovorko pri uporabi kodiranja z impulzno-kodno modulacijo (PCM)

Integrated Services Digital Network (ISDN); Videotelephony teleservice; Part 1: Electroacoustic characteristics for handset telephony function when using Pulse Code Modulation (PCM) encoding

Ta slovenski standard je istoveten z: **I-ETS 300 302-1 Edition 1**

ICS:

33.080	Digitalno omrežje z integriranimi storitvami (ISDN)	Integrated Services Digital Network (ISDN)

SIST I-ETS 300 302-1 E1:2003 **en**

INTERIM EUROPEAN TELECOMMUNICATION STANDARD

I-ETS 300 302-1

December 1994

Source: ETSI TC-TE

Reference: DI/TE-04008.1

ICS: 33.080

Key words: ISDN, videotelephony terminals, audio

Integrated Services Digital Network (ISDN); Videotelephony teleservice Part 1: Electroacoustic characteristics for handset telephony function when using Pulse Code Modulation (PCM) encoding

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New presentation - see History box

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Foreword

An ETSI standard may be given I-ETS status either because it is regarded as a provisional solution ahead of a more advanced standard, or because it is immature and requires a "trial period". The life of an I-ETS is limited, to three years after which it can be converted into a European Telecommunication Standard (ETS), have it's life extended for a further 2 years, be replaced by a new version of the I-ETS or, be withdrawn.

This is the first Part of an I-ETS which is currently intended to comprise 6 parts.

Part 1:	**Electroacoustic characteristics for handset terminals when using Pulse Code Modulation (PCM) encoding.**
Part 2:	Audio aspects - Pulse Code Modulation (PCM) A-Law loudspeaking and handsfree.
Part 3:	Wideband handset.
Part 4:	Wideband coding and loudspeaking handsfree function.
Part 5:	Application of 3,1 kHz bandwidth, 16 kbit/s speech coding algorithm.
Part 6:	Application of low bitrate (below 32 kbit/s speech coding algorithm).

NOTE: Parts 3 to 6 of this I-ETS are still under study within ETSI.

Proposed announcement date	
Date of latest announcement of this I-ETS (doa):	28th February 1995

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1 Scope

This Part of the I-ETS specifies the electroacoustic characteristics for handset telephony functions implemented in videotelephony terminals. Those terminals are intended for use in the videotelephony teleservice and connected to the basic access of the coincident S and T reference point of the Integrated Services Digital Network (ISDN) using Pulse Code Modulation (PCM) encoding according to CCITT Recommendation G.711 [1], A-law and μ-law.

The videotelephony teleservice in the ISDN is defined in ETS 300 264 [2].

The requirements of this I-ETS specify those characteristics which deviate from those which an ISDN 3,1 kHz telephony terminal needs to meet due to conditions which are special for the videotelephony application (e.g. delay, framing). The corresponding requirements to an ISDN 3,1 kHz telephony terminal can be found in I-ETS 300 245-2 [3].

The relevant test methods are described in I-ETS 300 245-2 [3] and in ETS 300 085 [4].

NOTE: Type approval requirements for the 3,1 kHz telephony (CCITT Recommendation G. 711 [1], A-law) function of a videotelephony terminal can be found in TBR 8.

2 Normative references

This I-ETS incorporates by dated or undated reference, provision 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 I-ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referenced to applies.

[1] CCITT Recommendation G.711 (1988): "Pulse code modulation (PCM) of voice frequencies".

[2] ETS 300 264: "Integrated Services Digital Network (ISDN) - Videotelephony teleservice - Service description".

[3] I-ETS 300 245-2 (1993): "Integrated Services Digital Network (ISDN) - Technical characteristics of telephony terminals - Part 2: Pulse Code Modulation (PCM) A-law, handset telephony".

[4] ETS 300 085 (1990): "Integrated Services Digital Network (ISDN) - 3,1 kHz telephony teleservice - Attachment requirements for handset terminals".

[5] CCITT Recommendation G.122 (1988): "Influence of national systems on stability - talker echo and listener echo in international connections".

[6] ETS 300 111 (1992): "Integrated Services Digital Network (ISDN) - Telephony 3,1 kHz teleservice - Service description".

[7] ETS 300 145: "Integrated Services Digital Network (ISDN) - Audiovisual teleservices - Videtelephony systems and terminal equipment operating on one or two 64 kbit/s channels".

[8] ETS 300 144: "Integrated Services Digital Network (ISDN) - Audiovisual services - Frame structure for a 64 kbit/s to 1 920 kbit/s channel and associated syntax for inband signalling".

[9] ITU-T Recommendation P.64 (1993): "Determination of sensitivity/frequency characteristics of local telephone systems".

[10] CCITT Recommendation G.701 (1988): "Vocabulary of digital transmission and multiplexing, and pulse code modulation (PCM) terms".

[11] CCITT Recommendation I.112 (1988): "Vocabulary of terms for ISDNs".