



SLOVENSKI STANDARD

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Integrated Services Digital Network (ISDN); Videotelephony teleservice; Part 4: Audio aspects - wideband coding and loudspeaking or handsfree function

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ICS:

33.080	Digitalno omrežje z integriranimi storitvami (ISDN)	Integrated Services Digital Network (ISDN)
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**INTERIM
EUROPEAN
TELECOMMUNICATION
STANDARD**

I-ETS 300 302-4

September 1996

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**Integrated Services Digital Network (ISDN);
Videotelephony teleservice;
Part 4: Audio aspects - wideband coding and
loudspeaking or handsfree function**

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Foreword

Part 4 of this Interim European Telecommunication Standard (I-ETS) has been produced by the Terminal Equipment (TE) Technical Committee of the European Telecommunications Standards Institute (ETSI).

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it can be converted into an ETS, have its life extended for a further two years, be replaced by a new version, or be withdrawn.

This I-ETS is part 4 of a multipart standard covering "Integrated Services Digital Network (ISDN); Videotelephony teleservice", as described below:

Part 1: "Electroacoustic characteristics for handset telephony function when using Pulse Code Modulation encoding".

Part 2: "Audio aspects - Pulse Code Modulation (PCM) A-law loudspeaking and handsfree".

Part 3: "Audio aspects - wideband handset".

Part 4: "Audio aspects - wideband coding and loudspeaking or handsfree function".

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1 Scope

This Interim European Telecommunication Standard (I-ETS) specifies the electroacoustic characteristics for 7 kHz bandwidth loudspeaking and handsfree functions implemented in videotelephony terminals intended for use in the videotelephone teleservice in the Integrated Services Digital Network (ISDN) using Adaptive Differential Pulse Code Modulation (ADPCM) encoding according to CCITT Recommendation G.722 (see annex A). Those terminals will be connected to the basic access of the coincident S and T reference point of the ISDN.

The videotelephony teleservice in the ISDN is described in ETS 300 264 (see annex A).

The requirements of this I-ETS specify those characteristics which deviate from those of an ISDN 7 kHz telephony terminal. Those deviations are due to conditions which are special for videotelephony applications (e.g. delay, measurement position). The corresponding requirements for an ISDN 7 kHz telephony loudspeaking and handsfree terminal can be found in I-ETS 300 245-6 [1].

2 Normative references

This I-ETS 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 I-ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] ETS 300 245-6: "Integrated Services Digital Network (ISDN); Technical characteristics for telephony terminals; Part 6: Wideband (7 kHz) loudspeaking and handsfree telephony".
- [2] ETS 300 145 (Second edition): "Integrated Services Digital Network (ISDN); Audiovisual services; Videotelephone systems and terminal equipment operating on one or two 64 kbit/s channels".
- [3] I-ETS 300 245-5: "Integrated Services Digital Network (ISDN); Technical characteristics of telephony terminals; Part 5: Wideband (7 kHz) handset telephony".
- [4] I-ETS 300 245-3: "Integrated Services Digital Network (ISDN); Technical characteristics of telephony terminals; Part 3: Pulse Code Modulation (PCM) A-law, loudspeaking and handsfree telephony".
- [5] Draft prI-ETS 300 302-3: "Integrated Services Digital Network (ISDN); Videotelephony teleservice; Part 3: Audio aspects - wideband handset".
- [6] CCITT Recommendation G.711 (1990): "Pulse code modulation (PCM) of voice frequencies".