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**Digitalno omrežje z integriranimi storitvami (ISDN) – Daljinske storitve:
videotelefonija – Opis storitve**

Integrated Services Digital Network (ISDN); Videotelephony teleservice; Service description

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

This European Telecommunication Standard (ETS) has been produced by the Network Aspects (NA) Technical Committee of the European Telecommunications Standards Institute (ETSI).

In accordance with CCITT Recommendation I.130 [1], the following three level structure is used to describe the supplementary telecommunications services as provided by European public telecommunications operators under the pan-European Integrated Services Digital Network (ISDN):

- Stage 1: is an overall service description, from the user's standpoint;
- Stage 2: identifies the functional capabilities and information flows needed to support the service described in stage 1; and
- Stage 3: defines the signalling system protocols and switching functions needed to implement the service described in stage 1.

This ETS details the stage 1 aspects (overall service description) for the videotelephony teleservice. The stage 2 and stage 3 aspects are detailed in ETS 300 266 (1994) and ETS 300 267 (1994), respectively.

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1 Scope

This standard defines the stage one of the videotelephony teleservice for the pan-European Integrated Services Digital Network (ISDN) as provided by European public telecommunications operators. Stage one is an overall service description from the user's point of view (see CCITT Recommendation I.130 [1]), but does not deal with the details of the human interface itself.

This standard defines the interworking requirements of private ISDNs with the public ISDN.

In addition, this standard specifies the base functionality where the service is provided to the user via a private ISDN.

This standard does not specify the additional requirements where the service is provided to the user via a telecommunications network that is not an ISDN but does include interworking requirements of other networks with the public ISDN.

Charging principles are outside the scope of this standard.

The values of the general attributes are outside the scope of this standard.

The videotelephony teleservice is a real-time audiovisual teleservice in which speech and moving pictures are interchanged by means of one or two 64 kbit/s circuit-mode connections in the ISDN. The picture information transmitted is sufficient for adequate representation of fluid movements of a person displayed in head and shoulders view.

This standard is applicable to the stage two and stage three standards for the videotelephony teleservice. The terms "stage two" and "stage three" are also defined in CCITT Recommendation I.130 [1]. Where the text indicates the status of a requirement (i.e. as strict command or prohibition, as authorisation leaving freedom, or as a capability or possibility), this shall be reflected in the text of the relevant stage two and stage three standards.

Furthermore, conformance to this standard is met by conforming to the stage three standard with the field of application appropriate to the equipment being implemented and by conforming to the standards on the end-to-end characteristics with the field of application appropriate to the equipment being implemented. Therefore, no method of testing is provided for this standard.

2 Normative references

This standard incorporates by dated or 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 standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] CCITT Recommendation I.130 (1988): "Method for the characterization of telecommunication services supported by an ISDN and network capabilities of an ISDN".
- [2] CCITT Recommendation I.112 (1988): "Vocabulary of terms for ISDNs".
- [3] CCITT Recommendation I.210 (1988): "Principles of telecommunication services supported by an ISDN and the means to describe them".
- [4] CCITT Recommendation G.711 (1988): "Pulse code modulation (PCM) of voice frequencies".
- [5] CCITT Recommendation G.722: "7 kHz audio-coding within 64 kbit/s".
- [6] ETS 300 111 (1992): "Integrated Services Digital Network (ISDN); Telephony 3,1 kHz teleservice Service description".

- [7] CCITT Recommendation I.220 (1988): "Common dynamic description of basic telecommunication services".
- [8] CCITT Recommendation E.164 (1991): "Numbering plan for the ISDN era".
- [9] CCITT Recommendation I.140 (1988): "Attribute technique for the characterisation of telecommunication services supported by an ISDN and network capabilities of an ISDN".
- [10] CCITT Recommendation I.221 (1988): "Common specific characteristics of services".
- [11] prETS 300 142: "Integrated Services Digital Network (ISDN) and other digital telecommunications networks; Audiovisual teleservices Video codec for audiovisual services at $p * 64$ kbit/s".
- [12] prETS 300 143: "Integrated Services Digital Network (ISDN) and other digital communications networks; Audiovisual teleservices System for establishing communication between audiovisual terminals using digital channels up to 2 048 kbit/s".
- [13] prETS 300 144: "Integrated Services Digital Network (ISDN) and other digital telecommunications networks; Audiovisual teleservices Frame structure for a 64 to 1 920 kbit/s channels in audiovisual service".
- [14] prETS 300 145: "Integrated Services Digital Network (ISDN) and other digital telecommunications networks; Audiovisual teleservices Narrowband audiovisual telephone systems".
- [15] CCITT Recommendation G.728 (1992): "Coding of speech at 16 kbit/s using low-delay code-excited linear prediction".
- [16] prI-ETS 300 302-1: "Integrated Services Digital Network (ISDN); Videotelephony tele-service Part 1: Electroacoustic characteristics for handset terminals when using Pulse Code Modulation (PCM) encoding".

