



SLOVENSKI STANDARD
SIST ETS 300 109 E1:2003
01-december-2003

Digitalno omrežje z integriranimi storitvami (ISDN) – Kategorija nosilne vodovne storitve za prenosno hitrost 64 kbit/s in strukturirane signale, ki se uporabljajo za prenos govornih podatkov – Opis storitve

Integrated Services Digital Network (ISDN); Circuit-mode 64 kbit/s 8 kHz structured bearer service category usable for speech information transfer; Service description

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ICS:

33.080	Digitalno omrežje z integriranimi storitvami (ISDN)	Integrated Services Digital Network (ISDN)
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**Integrated Services Digital Network (ISDN);
Circuit-mode 64 kbit/s structured bearer
service category usable for speech information transfer**
Service description

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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 circuit-mode 64 kbit/s 8 kHz structured bearer service category, usable for speech information transfer. The stage 2 and stage 3 aspects are detailed in a general form in CCITT Recommendation Q.71 (an ETSI version is currently under development) and ETS 300 102 (1990), respectively.

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1 Scope

This standard defines the stage one of the circuit-mode 64 kbit/s 8 kHz structured bearer service category usable for speech information transfer 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 circuit-mode 64 kbit/s 8 kHz structured bearer service category usable for speech information transfer is intended to support speech information transfer between reference points. Each of these reference points can be either an S or coincident S and T reference points (see CCITT Recommendation I.411 [2]).

NOTE: Network operators can also provide information transfer with the same attributes where the reference point is T.

The digital signal at the coincident S and T reference point (see CCITT Recommendation I.411 [2]) conforms to CCITT Recommendation G.711 [3] (A-law). The network may use processing techniques appropriate for speech such as analogue transmission, echo cancellation and low bit rate encoding. Hence, bit integrity is not assured. This bearer service category is not intended to support modem derived voice band data.

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This standard is applicable to the stage two and stage three standards for the ISDN circuit-mode 64 kbit/s 8 kHz structured bearer service category usable for speech information transfer. 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 standards 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 characterisation of telecommunication services supported by an ISDN and network capabilities of an ISDN".
- [2] CCITT Recommendation I.411 (1988): "ISDN user-network interfaces - Reference configurations".