



SLOVENSKI STANDARD
SIST ETS 300 818 E1:2003

01-december-2003

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Broadband Integrated Services Digital Network (B-ISDN); Asynchronous Transfer Mode (ATM); Retainability performance for B-ISDN switched connections

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Ta slovenski standard je istoveten z: **ETS 300 818 Edition 1**

ICS:

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

ETS 300 818

September 1998

Source: NA

Reference: DE/NA-042123

ICS: 33.020

Key words: B-ISDN, ATM, retainability, performance

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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).

Transposition dates	
Date of adoption of this ETS:	18 September 1998
Date of latest announcement of this ETS (doa):	31 December 1998
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	30 June 1999
Date of withdrawal of any conflicting National Standard (dow):	30 June 1999

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1 Scope

The purpose of this European Telecommunication Standard (ETS) is to specify retainability parameters and measurement methods for Broadband Integrated Services Digital Network (B-ISDN) point to point Asynchronous Transfer Mode (ATM) switched connections.

An International B-ISDN point to point ATM switched connection is partitioned into two National Portions (NPs), and an International Portion (IP).

The IP is further partitioned into connection portions delimited by international measurement points (MPIs) as defined in ITU-T Recommendations I.353 [1] and I.356 [3]: International Transit Portions (ITPs) and International Inter-operator Portions (IIPs).

A later version of this ETS will specify objectives for the retainability performance of National Portions, International Transit Portions and International Inter-operator Portions.

It is not currently planned to specify end-to-end objectives for retainability performance. Annex B provides guidelines for deriving end-to-end objectives from connection portion objectives.

2 Normative references

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

- [1] ITU-T Recommendation I.353: "Reference events for defining ISDN and B-ISDN performance parameters".
[SIST ETS 300 818 E1:2003](https://standards.iteh.ai/SIST-ETS-300-818-E1-2003)
- [2] I-ETS 300 465: "Broadband Integrated Services Digital Network (B-ISDN); Availability and Retainability performance for B-ISDN semi permanent connections".
<https://standards.iteh.ai/SIST-ETS-300-465-1997>
- [3] ITU-T Recommendation I.356: "B-ISDN ATM layer cell transfer performance".

NOTE: ITU-T Recommendation I.356 is used as a normative reference rather than the ETSI equivalent I-ETS 300 464, as ITU-T Recommendation I.356 contains important information yet to be incorporated in the I-ETS 300 464. It should be noted that the common material in the two standards is fully aligned.

3 Abbreviations

For the purposes of this ETS, the following abbreviations apply:

ATM	Asynchronous Transfer Mode
B-ISDN	Broadband Integrated Service Digital Network
IIP	International Inter-operator Portion
IP	International Portion
ITP	International Transit Portion
MPI	International Measurement Point
MPT	Measurement point at the T _B interface.
NP	National Portion
R	Retainability
SES _{ATM}	Severely Errored Second in the ATM layer