



SLOVENSKI STANDARD
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ü]fc_cdUgcj bc`X][]HJbc`ca fYy`Y`n`]bhY[f]fUbj]a]`g]cf]hj Ua]`f6 !=G8 BŁĚ`BU YU]b
Z b_W]Y`nUcVfUrcj Ub`Y`]b`j nXfY`Yj Ub`Y`fC5 AŁg]ghYa U6 !=G8 B

Broadband Integrated Services Digital Network (B-ISDN); B-ISDN Operation And Maintenance (OAM) principles and functions

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ICS:

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

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

NOTE: This I-ETS was submitted to the Public Enquiry phase of the ETSI standards approval procedure as a draft ETS. Following resolution of the comments received, the document was converted into an I-ETS.

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it can be converted into an ETS, have its life extended for a further two years, be replaced by a new version, or be withdrawn.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 describes the Operation And Maintenance (OAM) principles and functions for the Asynchronous Transfer Mode (ATM) based Broadband Integrated Digital Network (B-ISDN).

Announcement date	
Date of latest announcement of this I-ETS (doa):	31 July 1995

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1 Scope

This Interim European Telecommunication Standard (I-ETS) identifies the minimum set of functions required to operate and maintain the Physical Layer and the Asynchronous Transfer Mode (ATM) layer aspects of the Broadband Integrated Services Digital Network (B-ISDN) User-Network Interface (UNI) as well as the individual Virtual Path (VP) and the Virtual Channel (VC) connections that may be routed through the B-ISDN.

The functions of the layers above the ATM layer are not considered.

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] ITU-T Recommendation I.610 (1993): "B-ISDN operation and maintenance principles and functions".
- [2] CCITT Recommendation I.113 (1992): "Vocabulary of terms for broadband aspects of ISDN", CCITT SG XVIII report R122, Geneva 9-19 June 1992.

3 Definitions, symbols and abbreviations

3.1 Definitions

For the purposes of this I-ETS, the definitions given in CCITT Recommendation I.113 [2] apply.

3.2 Symbols and abbreviations

For the purposes of this I-ETS, the following symbols and abbreviations apply:

F1 ... F5	OAM Flows 1 ... 5
FM	Fault Management
LOC	Loss Of Cell delineation
LOM	Loss Of OAM flow
LOP	Loss Of Pointer
LT	Line Termination
MS	Multiplex Section
MSN	Monitoring cell Sequence Number
OAM	Operation And Maintenance
PDH	Plesiochronous Digital Hierarchy
PL-OAM	Physical Layer OAM
PM	Performance Management
PTI	Payload Type Identifier
SDH	Synchronous Digital Hierarchy
T _B	T Reference Point in B-ISDN
TUC	Total User Cell number
UNI	User-Network Interface
UPC/NPC	Usage Parameter Control / Network Parameter Control
VC	Virtual Channel
VCI	Virtual Channel Identifier
VP	Virtual Path
VC(VP)-FERF	Far End Receive Failure for VC (VP)
VC(VP)-AIS	Alarm Indication Signal for VC (VP)