SLOVENSKI STANDARD
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Širokopasovno digitalno omrežje z integriranimi storitvami (B-ISDN) – Asinhroni prenosni način (ATM) – Osnovne značilnosti in funkcijske specifikacije sistema ATM – 1. del: Funkcijska specifikacija za B-ISDN ATM

Broadband Integrated Services Digital Network (B-ISDN); Asynchronous Transfer Mode (ATM); Part 1: B-ISDN ATM functional specification

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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).

Asynchronous Transfer Mode (ATM) is the transfer mode solution for implementing a Broadband Integrated Services Digital Network (B-ISDN). It influences the standardisation of digital hierarchies, multiplexing structures, switching and interfaces for broadband signals.

This ETS consists of 2 parts as follows:

Part 1: "B-ISDN ATM functional specification".

Part 2: "B-ISDN ATM layer specification".

Transposition dates	
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1 Scope

This European Telecommunication Standard (ETS) is a 2 Part ETS which gives the basic characteristics and functional specification of Asynchronous Transfer Mode (ATM).

This part specifically addresses the functions of the ATM layer (see CCITT Recommendation I.150 [1]). This layer is common to all services, including signalling and Operation And Maintenance (OAM).

2 Normative references

This ETS 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 ETS 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.150: "B-ISDN asynchronous transfer mode functional characteristics".

[2] CCITT Recommendation I.113: "Vocabulary of terms for broadband aspects of ISDN".

[3] CCITT Recommendation I.311: "B-ISDN general network aspects".

[4] CCITT Recommendation I.610: "B-ISDN Operation and Maintenance principles and functions".

[5] CCITT Recommendation I.371: "Traffic control & congestion control in B-ISDN".

[6] CCITT Recommendation I.413: "B-ISDN user-network interface".

[7] ETS 300 298-2: "Network Aspects (NA); Basic characteristics and functional specification of Asynchronous Transfer Mode (ATM) Part 2: B-ISDN ATM layer specification".

3 Abbreviations

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

AAL	ATM Adaptation Layer
B-NT2	Broadband Network Termination 2
B-TE	Broadband Terminal Equipment
CBR	Constant Bit Rate
CLP	Cell Loss Priority
GFC	Generic Flow Control
NNI	Network Node Interface
OAM	Operation And Maintenance
PT	Payload Type
QoS	Quality of Service
TE	Terminal Equipment
UNI	User-Network Interface
VBR	Variable Bit Rate
VC	Virtual Channel
VCC	Virtual Channel Connection
VCI	Virtual Channel Identifier
VP	Virtual Path
VPC	Virtual Path Connection
VPI	Virtual Path Identifier