



SLOVENSKI STANDARD
SIST ETS 300 777-4 E1:2003
01-december-2003

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]bZfa UWg_Ydc]g_Uj bYglcf]hj YÈ ("XY. Dcj Y UbY]nVc`yUj `ja Ygb]_U`cj Y_!
 glfc^j `g]ghYa i`J]XYchMl`fU9AAZnUdcXdcfc`y]fc_cdUgcj b]a `a i`hja YX]g_]a
]bZfa UWg_]a `dc]g_Uj b]a `glcf]hj Ua

Terminal Equipment (TE); End-to-end protocols for multimedia information retrieval services; Part 4: Videotex Enhanced Man Machine Interface (VEMMI) enhancements to support broadband multimedia information retrieval services

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Ta slovenski standard je istoveten z: ETS 300 777-4 Edition 1

ICS:

33.160.60	X^] ^å•æ) æQ ~ ã ^åå\ åD •ã c{ æ Å] ^{ æ Å æ c ^ \ [} ^ ^ } &^	Multimedia systems and teleconferencing equipment
35.180	Terminalska in druga periferna oprema IT	IT Terminal and other peripheral equipment

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EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 777-4

November 1997

Source: MTA

Reference: DE/MTA-011057-4

Formerly: DE/TE-01057-4

ICS: 33.020

Key words: MMI, multimedia, terminal, VEMMI, videotex

**Terminal Equipment (TE);
End-to-end protocols for
multimedia information retrieval services;
Part 4: Videotex Enhanced Man Machine Interface (VEMMI)
enhancements to support broadband multimedia information
retrieval services**

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Foreword

This European Telecommunication Standard (ETS) has been produced by the Terminal Equipment (TE) Technical Committee and later the Multimedia Terminals and Applications (MTA) Project of the European Telecommunications Standards Institute (ETSI).

This ETS consists of 4 parts as follows:

- Part 1: "Coding of multimedia and hypermedia information for basic multimedia applications (MHEG-5)";
- Part 2: "Use of Digital Storage Media Command and Control (DSM-CC) for basic multimedia applications";
- Part 3: "Application Programmable Interface (API) for MHEG-5";
- Part 4: "Videotex Enhanced Man Machine Interface (VEMMI) enhancements to support broadband multimedia information retrieval services".**

Transposition dates	
Date of adoption:	24 October 1997
Date of latest announcement of this ETS (doa):	28 February 1998
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 August 1998
Date of withdrawal of any conflicting National Standard (dow):	31 August 1998

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1 Scope

This European Telecommunication Standard (ETS) specifies extensions to ETS 300 709 [1] in order to support Real Time (RT) information and multiplexed datastreams.

The ETS introduces concepts that are needed to handle real-time information (level a and b description) and specifies the coded representation of these concepts as well (level c description). In addition, this part 4 defines an interfacing mechanism to the Digital Storage Media Command and Control (DSM-CC) function and operations for managing real-time audiovisual content. This part 4 is applicable to both the multimedia service and the attached terminals. It also includes a bibliography (annex A) which identifies service/application architectures and protocol stacks for information retrieval services that make use of the technologies listed hereafter.

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] ETS 300 709: "Terminal Equipment (TE); Enhanced Man Machine Interface service for Videotex and Multimedia/Hypermedia retrieval services".
- [2] ISO/IEC 13818-6: "Information technology - Generic coding of moving pictures and associated audio information; Part 6: Extensions for DSM-CC".

3 Definitions and abbreviations

3.1 Definitions

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

multiplexed stream: Several elementary streams that are multiplexed in order to allow synchronization between them.

stream: Continuous bitstream delivered from a source to a sink.

stream counter: Value indicating the current temporal position of a stream.

trick mode: Stream playback at rates different from normal speed e.g.: fast forward; reverse.

VEMMI object: Logical units used in a VEMMI application.

3.2 Abbreviations

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

AIFF	Audio Interchange File Format
CLUT	Colour Look Up Table
DAVIC	Digital AudioVisual Interactive Council
DSM-CC	Digital Storage Media Control and Command
MPEG	Moving Picture Experts Group
OIN	Object Identification Number
RT	Real Time
VEMMI	Videotex Enhanced Man Machine Interface