



# SLOVENSKI STANDARD SIST ETS 300 382 E1:2003

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Terminal Equipment (TE); Videotex Enhanced Man Machine Interface service (VEMMI)

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### ICS:

33.160.99	Druga avdio, video in avdiovizuelna oprema	Other audio, video and audiovisual equipment
35.180	Terminalska in druga periferna oprema IT	IT Terminal and other peripheral equipment

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## Foreword

This European Telecommunication Standard (ETS) was produced by the Terminal Equipment (TE) Technical Committee of the European Telecommunications Standards Institute (ETSI).

Annex A is normative to this ETS while annex B is informative.

<b>Proposed transposition dates</b>	
Date of latest announcement of this ETS (doa):	31 May 1995
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	30 November 1995
Date of withdrawal of any conflicting National Standard (dow):	30 November 1995

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## 1 Scope

This ETS specifies the data syntax to be used by Videotex services for implementation of the Videotex Enhanced Man Machine Interface (VEMMI).

This ETS is applicable to both the Videotex service and the attached Videotex terminals. Those terminals may be connected to the Videotex service via the Public Switched Telephone Network (PSTN), Integrated Services Digital Network (ISDN) or Packet Switched Public Data Network (PSPDN).

Typically, the terminals should support ISDN Syntax-Based Videotex (SBV).

This ETS also applies to any equipment (e.g. another Videotex service) which acts as a Videotex terminal.

## 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 last edition of the publication referred to applies.

- [1] ETS 300 072: "Terminal Equipment (TE); Videotex presentation layer protocol, Videotex presentation layer data syntax".
- [2] ETS 300 073: "Videotex presentation layer protocol; Geometric Display (CEPT Recommendation T/TE 06-02, Edinburgh 1988)".
- [3] ETS 300 076 (1992): "Terminal Equipment (TE); Videotex, Terminal Facility Identifier (TFI)".
- [4] ETS 300 079: "Integrated Services Digital Network (ISDN); Syntax-based Videotex, End-to-end protocols, circuit mode DTE-DTE".
- [5] ETS 300 149: "Terminal Equipment (TE); Videotex, Audio syntax".
- [6] ETS 300 177: "Terminal Equipment (TE); Videotex, Photographic syntax".
- [7] ETS 300 223: "Terminal Equipment (TE); Syntax-based Videotex, Common end-to-end protocols".
- [8] ITU-T Recommendation T.50: "International Reference Alphabet (IRA) (Formerly International Alphabet No.5 or IA5) - Information technology - 7 bit coded character set for information interchange".
- [9] ITU-T Recommendation T.51: "Latin based coded character sets for telematic services".
- [10] ITU-T Recommendation T.101 (1993): "International interworking for videotex services".
- [11] ITU-T Recommendation F.300: "Videotex service".
- [12] ISO/IEC 9281 (1990): "Information technology - Picture coding methods".
- [13] ITU-T Recommendation T.52: "Non-latin coded character sets for telematic services".
- [14] ISO 2022 (1986): "Information Processing - ISO 7-bit and 8-bit coded character sets - Code extension techniques".

- [15] ISO 2375 (1991): "Data Processing - Procedure for registration of escape sequences".
- [16] ISO 10918-1: "Digital compression and coding of continuous-tone still images - Part 1: Requirements and guidelines".

### 3 Definitions and abbreviations

#### 3.1 Definitions

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

**anticipation:** Optional facility for a VEMMI application to send closed objects or objects with closed components to a VEMMI terminal which supports this option.

**controls:** Visual user-interface elements that allows a user to interact with data.

**Defined Display Area (DDA):** The rectangular part of the screen that can be used by the Videotex service [ITU-T Recommendation F.300 [11]].

**emphasis:** Highlighting, colour change, or other visible indication of the condition of an element or choice and the effect of that condition on a user's ability to interact with that element. Emphasis can also give additional information about the state of an object. The method used to emphasise an element is terminal dependent.

**label:** Text data associated with a VEMMI component, to inform the user of the purpose of a particular component or item.

**local manager:** See VEMMI local manager.

**mnemonic:** A single, easy-to-remember alphanumeric character that activates a VEMMI Menu Choice component and validates it. A Mnemonic character can also be used to validate an active Push Button in a Dialogue Box and a Button in an active Button Bar.

**modal mode:** When a VEMMI object is "modal", the user cannot leave this VEMMI object to the benefit of another VEMMI object of the same application with the different possible access tools. Each attempt to access another object by the user is refused and possibly indicated by a sound signal.

**standard Videotex application:** Videotex application using encoded data, protocols and profiles, as defined in the Videotex ETSs referenced in clause 2. A standard Videotex application does not use a VEMMI service, data and protocols.

**standard Videotex data:** Data interchanged between a standard Videotex application and a Videotex terminal.

**validation:** User activation action followed by a confirmation of the choice with a keyboard or with a pointing device.

**VEMMI application:** Videotex application offering an enhanced man machine interface as described in this ETS.

**VEMMI data:** VEMMI objects description and contents and VEMMI commands exchanged between the VEMMI application and the VEMMI terminal.

**VEMMI local manager:** Software running in the VEMMI terminal to handle and to present the VEMMI objects that are sent to the user by the VEMMI application.

**VEMMI terminal:** Videotex terminal which is able to run a VEMMI local manager.

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**Videotex application:** Part of a Videotex service which is under the responsibility of only one application provider. The Videotex service provider may also act as an application provider [ITU-T Recommendation F.300 [11]].

**Videotex Host Computer:** The computer (or network of computers provided by a single party) on which one or more applications are implemented and/or one or more other Videotex service facilities are provided [ITU-T Recommendation F.300 [11]].

**Videotex terminal:** The equipment by means of which the user interacts with the Videotex service. A typical Videotex terminal includes:

- 1) a numeric keypad and/or alphanumeric keyboard and/or other graphical input devices;
- 2) a visual display unit or a suitably modified television receiver;
- 3) electronic processing and storage devices required to interface these components to the telecommunications network and to generate the display.

### 3.2 Abbreviations

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

CIN	Component Identification Number
CMI	Coding Method Identifier
CR	Carriage Return
DDA	Defined Display Area
DRCS	Dynamically Redefinable Character Set
DS I	Data Syntax according to ITU-T Recommendation T.101 [10], annex B
DS II	Data Syntax according to ITU-T Recommendation T.101 [10], annex C
DS III	Data Syntax according to ITU-T Recommendation T.101 [10], annex D
ESC	Escape
IRV	International Reference Version
ISDN	Integrated Services Digital Network
LF	Line Feed
LI	Length indicator
MDI	More Data Indicator
NDC	Normalised Device Coordinate
OIN	Object Identification Number
PCD	Picture Coding Delimiter
PCE	Picture Control Entity
PDE	Picture Data Entity
PE	Picture Entity
PI	Picture Identifier
PM	Picture Mode
PSPDN	Packet Switched Public Data Network
PSTN	Public Switched Telephone Network
SBV	Syntax-Based Videotex
TE	Terminal Equipment
TFI	Terminal Facility Identifier
VPDE	Videotex Presentation Data Element
VEMMI	Videotex Enhanced Man Machine Interface
VTX	Videotex