# SLOVENSKI STANDARD
## SIST ETS 300 076 E2:2003

### 01-december-2003

**Terminalska oprema (TE) – Identifikator terminalskih zmožnosti sistema Videotex (TFI)**

Terminal Equipment (TE); Videotex Terminal Facility Identifier (TFI)

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**Ta slovenski standard je istoveten z:** ETS 300 076 Edition 2

### 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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# ETSI

# EUROPEAN
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## ETS 300 076

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# Terminal Equipment (TE);
# Videotex
# Terminal Facility Identifier (TFI)

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**ETSI Secretariat**

New presentation - see History box

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## Foreword

This second edition of ETS 300 076 has been prepared by the Terminal Equipment (TE) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This edition supersedes the 1990 version of this ETS which was adopted in Autumn 1990. It takes into account the introduction of both the photographic and the audio syntax described in ETS 300 177 [8] and ETS 300 149 [9] respectively.

This ETS describes the Terminal Facility Identifier (TFI) which may be used to ascertain the capabilities of either a physical Videotex terminal or another Videotex service. This ETS is one of an integrated package of 7 ETSs covering various aspects of Videotex which comprises:

ETS 300 072               Terminal Equipment (TE);
Videotex presentation layer protocol
Videotex presentation layer data syntax

ETS 300 073               Videotex presentation layer data syntax;
Geometric display
(CEPT Recommendation T/TE 06-02, Edinburgh 1988)

ETS 300 074               Videotex presentation layer data syntax transparent data;
(CEPT Recommendation T/TE 06-03, Edinburgh 1988)

ETS 300 075               Terminal Equipment (TE);
Videotex processable data

ETS 300 177               Terminal Equipment (TE);
Videotex
Photographic Syntax

ETS 300 149               Terminal Equipment (TE);
Videotex
Audio syntax

## Introduction

The Terminal Facility Identifier (TFI) may be used to ascertain the capabilities of a "terminal" (where a terminal may actually be a physical terminal or another Videotex service). Videotex terminals have not all been designed to support all coding techniques; for example, photographic and audio, or support of different types of local facilities such as telesoftware or various types of modems. In addition, a specific terminal may support one or more of the defined base data syntaxes DS I, DS II or DS III. The TFI may be used to determine:

-     each of the national or regional Videotex services;

-     the terminal profile and additional terminal capabilities;

-     to which parts of the Service Reference Model (SRM) the terminal conforms.

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# 1 Scope

This European Telecommunication Standard (ETS) specifies the data syntax to be used by Videotex services for terminal capabilities identification.

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) or the Integrated Services Digital Network (ISDN). Connection of terminals to other networks is for further study.

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

# 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 F.300 (1988): "Videotex service".

[2] CCITT Recommendation T.100 (1988): "International information exchange for interactive videotex".

[3] CCITT Recommendation T.101 (1988): "International interworking for videotex".

[4] ETS 300 072 (1990): "Terminal Equipment (TE); Videotex presentation layer protocol, Videotex presentation layer data syntax".

[5] ETS 300 073 (1990): "Videotex presentation layer protocol; Geometric Display (CEPT Recommendation T/TE 06-02, Edinburgh 1988)".

[6] ETS 300 074 (1990): "Videotex presentation layer protocol; Transparent data (CEPT Recommendation T/TE 06-03, Edinburgh 1988)".

[7] ETS 300 075 (1990): "Terminal Equipment (TE); Videotex processable data".

[8] ETS 300 177: "Terminal Equipment (TE); Videotex, Photographic syntax".

[9] ETS 300 149: "Terminal Equipment (TE); Videotex, Audio syntax".

[10] CCITT Recommendation G.711 (1988): "Pulse Code Modulation of voice frequencies".

[11] CCITT Recommendation G.721 (1988): "32 kbit/s adaptive differential pulse code modulation (ADPCM)".

[12] CCITT Recommendation G.722 (1988): "7 kHz audio-coding within 64 kbit/s".

[13] CCITT Recommendation G.723 (1988): "Extensions of Recommendation G.721 adaptive differential pulse code modulation to 20 and 40 kbit/s for digital circuit multiplication equipment application".

[14] CCITT Recommendation J.41 (1988): "Characteristics of equipment for the coding of analogue high quality sound programme signals for transmission on 384 kbit/s channels".

[15] CCITT Recommendation J.42 (1988): "Characteristics of equipment for the coding of analogue medium quality sound programme signals for transmission on 384-kbit/s channels".

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[16]          I-ETS 300 036: "European digital cellular telecommunications system (phase 1);
              Full-rate speech transcoding (GSM 06.10)".

[17]          CCITT Recommendation V.21 (1988): "300 bits per second duplex modem
              standardised for use in the general switched telephone network".

[18]          CCITT Recommendation V.22 (1988): "1200 bits per second duplex modem
              standardised for use in the general switched telephone network and on point-to-
              point 2-wire leased telephone-type circuits".

[19]          CCITT Recommendation V.22 bis (1988): "2400 bits per second duplex modem
              using the frequency division technique standardised for use on the general
              switched telephone network and on point-to-point 2-wire leased telephone-type
              circuits".

[20]          CCITT Recommendation V.23 (1988): "600/1200 bits per second modem
              standardised for use in the general switched telephone network".

[21]          CCITT Recommendation V.26 bis (1988): "2400/1200 bits per second modem
              standardised for use in the general switched telephone network".

[22]          CCITT Recommendation V.26 ter (1988): "2400 bits per second duplex modem
              using the echo cancellation technique standardised for use on the general
              switched telephone network and on point-to-point 2-wire leased telephone-type
              circuits".

[23]          CCITT Recommendation V.27 ter (1988): "4800/2400 bits per second modem
              standardised for use in the general switched telephone network".

[24]          CCITT Recommendation V.29 (1988): "9600 bits per second modem
              standardised for use on point-to-point 4-wire leased telephone-type circuits".

[25]          CCITT Recommendation V.32 (1988): "A family of 2-wire, duplex modems
              operating at data signalling rates of up to 9600 bit/s for use on the general
              switched telephone network and on leased telephone-type circuits".

[26]          CCITT Recommendation V.33 (1988): "14 400 bits per second modem
              standardised for use on point-to-point 4-wire leased telephone-type circuits".

[27]          CCITT Recommendation V.17 (1990): "Recommendation for a 2-wire modem for
              facsimile applications with rates up to 14 400 bit/s".

[28]          CCITT Recommendation H.221 (1988): "Frame structure of a 64 kbit/s channel
              in audio-visual teleservices".

[29]          CCITT Recommendation V.42 (1988): "Error correcting procedures for DCEs
              using asynchronous to synchronous conversion".

[30]          CCITT Recommendation V.42 bis (1990): "Data compression procedures for
              data circuit-terminating equipment (DCE) using error correcting procedures".

[31]          ISO CD 11172-3: "Coding of moving pictures and associated audio for digital
              storage media at up to about 1,5 Mbit/s - Audio part".

## 3 Definitions

For the purpose of this ETS, the following definitions apply.

**Capability:** coding method described by the Videotex data syntax and supported by a given Videotex terminal.

**Data syntax:** Videotex coding technique as described in CCITT Recommendation T.101 [3].

**Facility:** see "Capability".

**Profile:** consistent subset of the Service Reference Model.

**Service Reference Model:** list of functionalities a terminal should comply with.

**Videotex Host Computer:** refer to CCITT Recommendation F.300 [1].

## 4 Symbols and abbreviations

For the purpose of this ETS, the following symbols and abbreviations apply.

| | |
|---|---|
| DRCS | Dynamically Redefinable Character Set |
| DS I | Data Syntax according to CCITT Recommendation T.101 [3], Annex B |
| DS II | Data Syntax according to CCITT Recommendation T.101 [3], Annex C |
| DS III | Data Syntax according to CCITT Recommendation T.101 [3], Annex D |
| ETS | European Telecommunication Standard |
| ETSI | European Telecommunications Standards Institute |
| ISDN | Integrated Services Digital Network |
| PSTN | Public Switched Telephone Network |
| PDE | Presentation Data Element |
| SRM | Service Reference Model |
| TFI | Terminal Facility Identifier |
| US | Unit Separator |
| VPCE | Videotex Presentation Control Element |
| VPDE | Videotex Presentation Data Element |