



**SLOVENSKI STANDARD**  
**SIST ETS 300 072:2003/A1 E1:2003**  
**01-december-2003**

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**Terminalska oprema (TE) – Protokol za predstavitevno plast sistema Videotex –  
Podatkovna skladnja za predstavitevno plast sistema Videotex**

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

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**ICS:**

|           |                                             |                                               |
|-----------|---------------------------------------------|-----------------------------------------------|
| 35.100.60 | Predstavitevni sloj                         | Presentation layer                            |
| 35.180    | Terminalska in druga<br>periferna oprema IT | IT Terminal and other<br>peripheral equipment |

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# AMENDMENT

**ETS 300 072**

**A1**

**October 1996**

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Reference: RE/TE-01040

ICS: 33.060.50

**Key words:** Videotex, Videotex data syntax

**This amendment A1, will modify  
the European Telecommunication Standard ETS 300 072 (1990)**

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**(Standard Equivalents)**

**Videotex presentation layer protocol;**

**Videotex presentation layer data syntax**

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## Foreword

This amendment to ETS 300 072 (1990) has been produced by the Terminal Equipment (TE) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This amendment to ETS 300 072 specifies the following additional data syntax elements:

- a second possible display structure;
- references to ITU-T Recommendation T.101, annex C for the use of Arabic, Hebrew and Chinese character sets;
- references to ITU-T Recommendation T.52 for the use of the Cyrillic character set;
- the switching mechanism between Videotex terminal configurations.

The amendment specifies only additional aspects and contains no deletions to the current content of ETS 300 072.

| Transposition dates                                                                     |                 |
|-----------------------------------------------------------------------------------------|-----------------|
| Date of adoption of this ETS:                                                           | 18 October 1996 |
| Date of latest announcement of this ETS (doa):                                          | 31 January 1997 |
| Date of latest publication of new National Standard or endorsement of this ETS (dop/e): | 31 July 1997    |
| Date of withdrawal of any conflicting National Standard (dow):                          | 31 July 1997    |

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## Amendments

Replace Part 0, subclause 1.2.2 (page 4) with the following text:

**"1.2.2 Display structure"** <https://standards.iteh.ai/catalog/standards/sist/f25cfe55-a49e-472b-9b62-e227b554acac/sist-ets-300-072-2003-a1-e1-2003>

Videotex terminals shall use either the theoretical display structure (see subclause 1.2.2.1) or the time dependent display order (see subclause 1.2.2.2).

### 1.2.2.1 Theoretical display structure

The theoretical structure of the display consists of the following layers in order of precedence:

- alphamosaic character foreground and background layers (see part 1, section 1.2);
- photographic layer (see part 3);
- full screen background layer (see part 1);
- any other video source.

Changing the display structure is for further study.

### 1.2.2.2 Time dependent display order

The terminal structure can be regarded as a one layer display. The receiving order of the VPDEs determines the display order; the last received VPDE, independent from its type, shall always be processed and can be displayed. It may superimpose already displayed information."

**Insert the following text in Part 0, clause 2 (page 5) as the 1st paragraph:**

"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.

|                                    |                                                                         |
|------------------------------------|-------------------------------------------------------------------------|
| ITU-T Recommendation T.101 (1994): | "International interworking for videotex services".                     |
| ITU-T Recommendation T.52 (1994):  | "Non-Latin coded character sets for telematic services".                |
| ETS 300 076 (1994):                | "Terminal Equipment (TE); Videotex Terminal Facility Identifier (TFI)". |

NOTE: The above references are unnumbered in order to align with the original version of ETS 300 072 which does not exist in electronic format and consequently cannot be changed without considerable effort.

**Insert the following text as part 0, new clause 4:****"4 Abbreviations**

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

|      |                                     |
|------|-------------------------------------|
| PLDS | Presentation Layer Data Syntax      |
| VPDE | Videotex Presentation Data Element" |

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**Replace part 1, subclause 2.1.1, 1st paragraph (page 18) with the following text:****"2.1.1 Alphanumeric characters**

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The alphanumeric repertoire consists of the fixed repertoire characters listed below:"

**Insert the following at the end of the Greek alphabetic characters listed on page 30:**

"Cyrillic alphabetic characters

*The Cyrillic repertoire is specified in ITU-T Recommendation T.52, subclause 6.3.*

Arabic, Hebrew and Chinese characters

*These repertoires are specified in ITU-T Recommendation T.101, Annex C, Part 1, subclause 2.1.1."*

**Insert a new subclause 3.3.3, part 1 (page 77):****"3.3.3 Control functions for bidirectional Latin/Arabic text**

The control functions for bidirectional Latin/Arabic text described in ITU-T Recommendation T.101, annex C, part 1, subclause 3.3.3 shall apply."

Insert new subclause header and title following subclause 3.4.1 (page 80) as follows:

**"3.4.1.1 Latin & Greek Code sets"**

Insert new subclause header and title following subclause 3.4.1.2 at end of subclause 3.4.1.1

**"3.4.1.2 Cyrillic, Arabic, Hebrew and Chinese Code sets"**

The Cyrillic secondary set is defined in ITU-T Recommendation T.52, subclause 8.4.

The Arabic primary set is defined in ITU-T Recommendation T.101, subclause 3.4.1 and Table 14.

The Hebrew secondary set is defined in ITU-T Recommendation T.101, subclause 3.4.1 and Table 15.

The Chinese primary set is defined in ITU-T Recommendation T.101, subclause 3.4.1 and Table 16."

Insert the following new subclauses 3.4.5 up to 3.4.8 in Part 1 after subclause 3.4.4 (page 87):

**"3.4.5 Designation of the Arabic character set"**

The designation of the Arabic primary set is defined in ITU-T Recommendation T.101, subclause 3.4.5.

**3.4.6 Designation of the Hebrew character set**

The designation of the Hebrew secondary set is defined in ITU-T Recommendation T.101, subclause 3.4.6.

NOTE: The indicated reference clause contains the "designation of the hebrew primary set", but a primary set is not defined in the document. Therefore, the designation sequence can only be meant for the secondary set.

**3.4.7 Designation of the Chinese character set**

The designation of the Chinese primary set is defined in ITU-T Recommendation T.101, subclause 3.4.7.

**3.4.8 Designation of the Cyrillic character set**

The designation of the Cyrillic supplementary set is defined in ITU-T Recommendation T.52, subclause 7.3."

Replace the last 5 lines of Part 1, Appendix A (page A-3) with the following 7 lines:

"|\_L = Latin alphabetic character;  
 |\_C = Control function;  
 |\_N = Non alphabetic graphic character;  
 |\_S = Special graphic character;  
 |\_A = Arabic alphabetic character;  
 |\_G = Greek alphabetic character;  
 |\_H = Hebrew alphabetic character."

Replace the text in annex C (Videotex Service Reference Model: Profiles), clause 2 , paragraph 1.8 (page 2) as follows:

**"1.8 Designation of non Latin Character sets (for terminals with corresponding capability)**

1.8.1 Designation of a Greek Character set (for terminals with the Greek Characters capability).

1.8.2 Designation of an Arabic Character set (for terminals with the Arabic Characters capability).

The terminals with the Arabic Characters capability may be in one of the following states:

- Latin state with the Latin primary set as G0, the Latin secondary set as G2 and second mosaic supplementary set as G1;
- Arabic state with the Arabic primary set as G0 and second mosaic supplementary set as G1;
- Arabic-Latin state with the Arabic primary set as G0, the Latin primary set as G3, the Latin secondary set as G2 and second mosaic supplementary set as G1;
- Latin-Arabic state with the Latin primary set as G0, the Latin secondary set as G2, the Arabic primary set as G3 and second mosaic supplementary set as G1.

1.8.3 Designation of an Hebrew Character set (for terminals with the Hebrew Characters capability).

1.8.4 Designation of a Chinese multibyte Character set (for terminals with the Chinese Characters capability).

1.8.5 Designation of a Cyrillic Character set (for terminals with the Cyrillic Characters capability)."

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Add a new annex C, clause 5 (page 4) as follows:

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**"5 Profile 5**

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This is the profile of a service which implements only parallel attribute controls and extended format effector controls with Chinese character set. It is described in ITU-T Recommendation T.101, Annex C, Appendix 2, clause 5."

Renumber annex C, clause 5 (page 4) as clause 6.

Add a new clause 7 to annex C (page 4) as follows:

**"7 Switching between videotex terminal configurations**

Videotex terminals may support different logical configurations as described in ETS 300 076, subclause 6.7. When receiving a TFI request the terminal may transmit in its response a list of the configurations it supports. According to ETS 300 076 subclause 6.7, the TFI response shall have the following structure:

US 2/0 <configuration 1> 6/7 <configuration 2> 6/7 ... 6/7 <configuration n> 4/0 .

The value 6/7 is the configuration delimiter. In order to switch a terminal in a given configuration, which is part of the TFI response, the following two sequences shall be used successively:

ESC 2/5 4/4 <profile> 4/0  
ESC 2/5 4/4 <configuration> 4/0,

where <profile> is described in clause 6 of this annex C."