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SIST ETS 300 105 E1:2003

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Terminalska oprema (TE) – Mednarodno medsebojno delovanje sistema Videotex

Terminal Equipment (TE); International Videotex interworking

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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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Terminal Equipment (TE); International Videotex Interworking

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SIST ETS 300 105 E1:2003

Contents

Foreword 5

1 Scope 7

2 Normative references 7

3 Abbreviations 9

4 Interworking between Videotex services 10
4.1 General 10

5 International interworking of Videotex services 10
5.1 International interworking configurations 10
5.1.1 Gateway to gateway interworking 10
5.1.2 Terminal to host interworking 10

6 International interworking between gateways 10
6.1 International interworking at network level 11
6.2 Transport layer 11
6.3 Session layer 11
6.4 Presentation layer 12
6.4.1 Presentation protocol 12
6.4.2 Coding of Videotex information 12
6.5 Application layer 12
6.6 Relationship with Document Architecture Transfer And Manipulation (DATAM) 12

7 International interworking between a terminal and a host 12
7.1 Access via PSTN or ISDN bearer service 13
7.2 Access via PSPDN or ISDN bearer service 13
7.3 Access via PSPDN/PAD 14
7.4 Access via PSPDN through a Videotex Interface Unit (VIU) (2) 14
7.5 Access via PSPDN through a Videotex Service Unit (VSU) 15

History 16

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Foreword

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

This ETS has been produced in the light of:

a) Videotex services being implemented in different countries using different data syntax profiles (as described in ETS 300 072 [32]);

b) the International Radio Consultative Committee (CCIR) expressing the view that terminal equipment compatibility should exist between broadcast Teletext [1)] systems for general reception and public network-based database systems;

c) the right of different countries to use their existing systems;

d) the possible requirement for transcoding and/or conversion to permit interworking between Videotex services in different countries;

e) interworking between Videotex services may be provided by using different types of networks such as the Public Switched Telephone Network (PSTN), Packet Switched Public Data Network (PSPDN), Circuit Switched Public Data Network (CSPDN), Integrated Services Digital Network (ISDN), etc;

f) the need for Videotex interworking protocols to offer a large degree of compatibility with those protocols used in other telematic services.

This ETS provides a number of technical provisions to enable the interworking of different Videotex services at the international level, identifies the parameters required to communicate with Videotex terminals and certain technical recommendations for the potential interworking of other telematic services with Videotex services.

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This ETS is also closely related , and normatively references, to three other ETSs (ETSs 300 072 [32], 300 106 [33] and 300 107 [34]). Full details are given in Clause 2 (Normative references) of this Standard.

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1) The term "Teletex" has not yet been definitively adopted by the CCIR.

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1 Scope

This ETS describes the characteristics of coded information that is exchanged between countries participating in the international interactive Videotex service.

Videotex systems are text communication systems having, in addition, the capability of a given level of pictorial representation and a repertoire of display attributes. The text and pictures obtained are intended to be displayed using the current television (TV) raster standards of the different countries.

Different data syntax profiles are offered as a choice for the service providers to implement their services. Substantial degrees of compatibility exist between these options, but some transcoding and/or conversion may be necessary to facilitate interworking.

For the purpose of the international service, different data syntax profiles have been identified in ETS 300 072 [32]:

a) Profile 1;

b) Profile 2;

c) Profile 3;

d) Profile 4;

e) "ASCII";

f) other data syntaxes are for further study.

NOTE 1: "ASCII" uses the International Reference Version of the character set of the CCITT Recommendation T.50 and additional control functions for characters specified in ISO standard 6429.

NOTE 2: The use of this non-videotex data syntax is provisional and is pending the result of the work undertaken in the ETSI TE1/VT group as well as in CCITT.

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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 X.3 (1988): "Packet assembly disassembly facility (PAD) in a public data network".

[2] CCITT Recommendation X.25 (1988): "Interface between Data Terminal Equipment (DTE) and Data Circuit-terminating Equipment (DCE) for terminals operating in the packet mode and connected to Public Data Networks by dedicated circuit".

[3] CCITT Recommendation X.28 (1988): "DTE/DCE interface for a start-stop mode data terminal equipment accessing the packet assembly/disassembly facility (PAD) in a public data network situated in the same country".

[4] CCITT Recommendation X.29 (1988): "Procedures for the exchange of control information and user data between a packet assembly/disassembly (PAD) facility and a packet mode DTE or another PAD".

[5] CCITT Recommendation X.75 (1988): "Packet-switched signalling system between public networks providing data transmission services".