SLOVENSKI STANDARD

SIST EN 62298-2:2006

januar 2006

Televizijski splet (teleweb) – 2. del: Dobavne metode (IEC 62298-2:2005) (istoveten EN 62298-2:2005)

Teleweb application – Part 2: Delivery methods (IEC 62298-2:2005)

iTeh STANDARD PREVIEW
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ICS   33.170; 35.240.99

Referenčna številka
SIST EN 62298-2:2006(en)

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 62298-2

June 2005

ICS 33.170; 35.240.99

English version

Teleweb application
Part 2: Delivery methods
(IEC 62298-2:2005)

Application Teleweb
Partie 2: Méthodes de distribution
(CEI 62298-2:2005)

TeleWeb-Anwendung
Teil 2: Übertragungsverfahren
(IEC 62298-2:2005)

iTeh STANDARD PREVIEW
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This European Standard was approved by CENELEC on 2005-06-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

SIST EN 62298-2:2006
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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Ref. No. EN 62298-2:2005 E

Foreword

The text of document 100/923/FDIS, future edition 1 of IEC 62298-2, prepared by IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62298-2 on 2005-06-01.

The following dates were fixed:

– latest date by which the EN has to be implemented
  at national level by publication of an identical
  national standard or by endorsement   (dop)   2006-03-01

-– latest date by which the national standards conflicting
  with the EN have to be withdrawn   (dow)   2008-06-01

Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 62298-2:2005 was approved by CENELEC as a European Standard without any modification.

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Annex ZA
(normative)

Normative references to international publications
with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE   Where an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 62298-1	- [1]	Teleweb application Part 1: General description	EN 62298-1	2005 [2]
IEC 62298-3	- [1]	Part 3: Superteletext profile	EN 62298-3	2005 [2]
IEC 62298-4	- [3]	Part 4: Hyperteletext profile	-	-
ISO/IEC 13818-1	- [1]	Information technology - Generic coding of moving pictures and associated audio information Part 1: Systems	-	-
ISO/IEC 13818-6	- [1]	Part 6: Extensions for DSM-CC	-	-
ISO 639-2	- [1]	Codes for the representation of names of languages Part 2: Alpha-3 code	-	-
ISO/IEC 8859-1	- [1]	Information technology - 8-bit single-byte coded graphic character sets Part 1: Latin alphabet No.1	-	-
ETSI TR 101 154	- [1]	Digital Video Broadcasting (DVB); Implementation guidelines for the use of MPEG-2 Systems, Video and Audio in satellite, cable and terrestrial broadcasting applications	-	-
ETSI TR 101 202	- [1]	Digital Video Broadcasting (DVB); Implementation guidelines for Data Broadcasting	-	-
ETSI EN 300 421	- [1]	Digital Video Broadcasting (DVB); Framing structure, channel coding and modulation for 11/12 GHz satellite services	-	-

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[1] Undated reference.

[2] Valid edition at date of issue.

[3] To be published.

Publication	Year	Title	EN/HD	Year
ETSI EN 300 429	- [1]	Digital Video Broadcasting (DVB); Framing structure, channel coding and modulation for cable systems	-	-
ETSI EN 300 706	- [1]	Enhanced teletext specification	-	-
ETSI EN 300 708	- [1]	Data transmission within Teletext	-	-
ETSI EN 300 744	- [1]	Digital Video Broadcasting (DVB) - Framing structure, channel coding and modulation for digital terrestrial television (DVB-T)	-	-
ETSI EN 301 192	- [1]	Digital Video Broadcasting (DVB) - DVB specification for data broadcasting, V1.2.1	-	-
ETSI EN 300 472	- [1]	Digital Video Broadcasting (DVB) - Specification for conveying ITU-R system B teletext in DVB bitstreams	-	-

INTERNATIONAL STANDARD

IEC
62298-2

First edition
2005-05

TeleWeb application –

Part 2:
Delivery methods

Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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For price, see current catalogue

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INTERNATIONAL ELECTROTECHNICAL COMMISSION
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TELEWEB APPLICATION –

Part 2: Delivery methods

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.

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International Standard IEC 62298-2 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

This standard cancels and replaces IEC/PAS 62298 published in 2002.

This first edition constitutes a technical revision.

The text of this standard is based on the following documents:

FDIS	Report on voting
100/923/FDIS	100/961/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

IEC 62298 consists of the following parts, under the general title *TeleWeb application*:

Part 1: General description

Part 2: Delivery methods

Part 3: Superteletext profile

Part 4: Hyperteletext profile

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under http://webstore.iec.ch in the data related to the specific publication. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

INTRODUCTION

The aim of TeleWeb is to deliver World Wide Web-style content to the living-room TV to give the viewer an enhanced television experience. A TeleWeb service broadcasts data files containing text and high-definition graphics to suitable decoders. The data transmitted can be closely linked to events within the accompanying TV programmes or can be more general in nature to emulate a traditional, but higher definition, superteletext service. Different profiles are defined.

It is intended that TV-based decoders be implemented in a cost-effective manner without recourse to the technology normally associated with personal computers. In part, this is achieved by limiting the number of different types of multimedia data that can be used within a service. By careful design of the user interface, decoder manufacturers will be able to offer easy-to-use equipment for accessing TeleWeb services without requiring the consumer to be computer-literate. In addition, they will be able to customize their products to differentiate them from those of their competitors.

This standard focuses on the transmission layer.

TELEWEB APPLICATION –

Part 2: Delivery methods

1   Scope

This part of IEC 62298 specifies the transmission layer of TeleWeb.

TeleWeb services can be broadcast in a number of different ways, for example, VBI, DVB, DAB, etc., and to a variety of decoder types, for example, TVs, portable decoders, PCs, etc. This standard specifies the transmission layer for VBI and DVB broadcasts.

2   Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 62298-1: *TeleWeb application – Part 1: General description*

IEC 62298-3: *TeleWeb application – Part 3: Superteletext profile*

IEC 62298-4: *TeleWeb application – Part 4: Hyperteletext profile*[1]

ISO/IEC 13818-1, *Information technology – Generic coding of moving pictures and associated audio information: Systems*

ISO/IEC 13818-6, *Information technology – Generic coding of moving pictures and associated audio information – Part 6: Extension for DSM-CC*

ISO 639-2, *Codes for the representation of names of languages – Part 2: Alpha-3 code*

ISO 8859-1, *Information technology – 8-bit single-byte coded graphic character sets – Part 1: Latin alphabet No. 1*

ETSI TR 101 154: V1.4.1, *Digital Video Broadcasting (DVB); Implementation guidelines for the use of MPEG-2 Systems, Video and Audio in satellite, cable and terrestrial broadcasting applications*

ETSI TR 101 202, *Implementation guidelines for data broadcasting, V1.1.1*

ETSI EN 300 421, *Digital Video Broadcasting (DVB); Framing structure, channel coding and modulation for 11/12 GHz satellite services*

ETSI EN 300 429, *Digital Video Broadcasting (DVB); Framing structure, channel coding and modulation for cable systems*

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[1] To be published.

ETSI EN 300 706, *Enhanced Teletext Specification*

ETSI EN 300 708, *Television Systems; Data Transmission within Teletext*

ETSI EN 300 744, *Digital Video Broadcasting (DVB); Framing structure, channel coding and modulation for digital terrestrial television*

ETSI EN 301 192*, Digital Video Broadcasting (DVB); DVB specification for data broadcasting, V1.2.1*

ETSI ETS 300 472, *Digital Video Broadcasting (DVB); Specification for conveying ITU-R System B Teletext in DVB bit streams*

3 Terms, definitions and abbreviations

3.1 Terms and definitions

For the purposes of the present document, the following terms and definitions apply.

3.1.1
bit ordering
in all schematics, numeric values ordered with the most significant bit at the left-hand side and the least significant bit at the right-hand side

3.1.2
conditional access (CA)
mechanism by which user access to service components can be restricted

3.1.3
Independent Data Line (IDL)
stand-alone Teletext packet containing both control and application data. It does not form part of a Teletext page. The packet address is either 30 or 31

3.1.4
module
when broadcast within a DSM-CC data carousel, the contents of a file and its attributes (for example, file type, creation date, etc.) are transmitted separately. The file itself is carried by a number of DDB messages and its attributes appear as descriptors within its module loop within a DII control message

3.1.5
signed integer
positive or negative integer value, in decimal notation. The first digit is preceded by a mandatory plus (+) or minus (–) symbol with no white space between the symbol and the first digit

3.1.6
text string
sequence of displayable Latin-1 characters

3.1.7
unsigned integer
integer value, in decimal notation, not preceded by a plus (+) or minus (–) symbol