
Uporaba storitve TeleWeb - 4. del: Profil hiperteksta (TA 1) (IEC 62298-4:2005)

(istoveten EN 62298-4:2005)

TeleWeb application - Part 4: Hypertext profile (IEC 62298-4:2005)

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EUROPEAN STANDARD

EN 62298-4

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English version

TeleWeb application
Part 4: Hypertext profile
(IEC 62298-4:2005)

Application TeleWeb
Partie 4: Profil hypertélétexte
(CEI 62298-4:2005)

TeleWeb-Anwendung
Teil 4: Hypertext-Profil
(IEC 62298-4:2005)

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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

Foreword

The text of document 100/1000/FDIS, future edition 1 of IEC 62298-4, 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 62298-4 on 2005-11-01.

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) 2006-08-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2008-11-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62298-4:2005 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62298-1	- ¹⁾	Teleweb application Part 1: General description	EN 62298-1	2005 ²⁾
IEC 62298-2	- ¹⁾	Part 2: Delivery methods	EN 62298-2	2005 ²⁾
IEC 62298-3	- ¹⁾	Part 3: Superteletext profile	EN 62298-3	2005 ²⁾
ISO/IEC 11172-3	1993	Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s Part 3: Audio	EN ISO/IEC 11172-3	1995
ISO/IEC 14496-3	2001	Information technology - Coding of audio-visual objects - Part 3: Audio	-	-
ISO 8601	2004	Data elements and interchange formats - Information interchange - Representation of dates and times	-	-
ETSI EN 300 468	- ¹⁾	Digital Video Broadcasting (DVB); Specification for Service Information (SI) in DVB systems	-	-
W3C Recommendation	- ¹⁾	Cascading Style Sheets, level 1 (CSS1)	-	-
W3C Recommendation	- ¹⁾	HyperText Markup Language	-	-
SMPTE 363M	2002	Television - Declarative Data Essence - Content Level 1	-	-
SMPTE 366M	2002	Television - Document Object Model Level 0 (DOM-0) and Related Object Environment	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IETF RFC 2046	- ¹⁾	Multipurpose Internet Mail Extensions (MIME) - Part Two: Media Types	-	-
PFR Specification	- ¹⁾	Bitstream Inc. Coding of Outline Fonts	-	-

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INTERNATIONAL STANDARD

IEC 62298-4

First edition
2005-10

TeleWeb application –

**Part 4:
Hypertext profile**

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CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references	6
3 Terms, definitions and abbreviations	7
3.1 Terms and definitions	7
3.2 Abbreviations	7
4 Mandatory Superteletext profile features	8
4.1 Font issues.....	8
4.2 Dithering	8
4.3 TeleWeb EPG	8
4.4 Cross-linking between services	8
4.5 Memory requirements.....	8
5 General display-related extensions.....	9
5.1 Downloadable fonts.....	9
5.2 Support for non-Latin alphabets	9
5.3 Page size and page scrolling.....	9
6 Hypertext extensions.....	9
6.1 HTML frames.....	10
6.2 Forms.....	16
6.3 Internationalization.....	25
6.4 tag	26
6.5 <TIME> tag	27
7 User profiles.....	29
8 ISP interface	29
8.1 The ISP special function.....	29
8.2 Network congestion control	31
9 Device ID (OPTIONAL).....	33
10 Cross-linking and context-switching.....	33
10.1 Additional URI schemes	33
11 Audio clips (OPTIONAL).....	33
12 Style sheets	34
13 Scripting.....	34
13.1 ECMAScript.....	34
13.2 <SCRIPT> tag.....	35
13.3 Events.....	35
13.4 Document object model (DOM).....	35
14 Additional content types	35
14.1 Graphic files.....	35
14.2 Text files	35
Annex A (informative) Security considerations	36

INTERNATIONAL ELECTROTECHNICAL COMMISSION

TELEWEB APPLICATION –

Part 4: Hypertext profile

FOREWORD

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International Standard IEC 62298-4 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.

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

FDIS	Report on voting
100/1000/FDIS	100/1023/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 applications*:

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.

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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, super teletext service. Different profiles are defined.

It is the intention that TV-based decoders can 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 document specifies the TeleWeb Hypertext profile and focuses on the presentation layer especially the implementation of TeleWeb HTML and scripting. It further defines the graphical requirements like fonts and the content formats used.

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TELEWEB APPLICATION –

Part 4: Hypertext profile

1 Scope

This part of IEC 62298 specifies the TeleWeb Hypertext profile that allows Web-style text and graphics to be displayed on suitable decoders. A TeleWeb service comprises multimedia data files whose format and attributes are defined by this specification.

This standard is backwards compatible with IEC 62298-3 and extends it with features like scripting and style-sheets. The graphical capability is extended with features like frames and forms. For information regarding general information and the transport layer, refer to IEC 62298-1 and IEC 62298-2.

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 62298-2: *TeleWeb application – Part 2: Delivery methods*

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

ISO/IEC 11172-3:1993, *Information technology – Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s – Part 3: Audio*

ISO/IEC 14496-3:2001, *Information technology – Coding of audio-visual objects – Part 3: Audio*

ISO 8601:2004, *Data elements and interchange formats – Information interchange – Representation of dates and times*

ETSI EN 300 468, *Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems*

W3C Recommendation, *Cascading Style Sheets, level 1 (CSS1)*

W3C Recommendation, *HyperText Markup Language, version 4.0*

SMPTE 363M:2002, *Television – Declarative Data Essence – Content Level 1*

SMPTE 366M:2002, *Television – Document Object Model Level 0 (DOM-0) and Related Object Environment*

IETF RFC 2046, *Multipurpose Internet Mail Extensions (MIME) – Part Two: Media types*

PFR v1.2, *Bitstream Inc. Coding of Outline Fonts – PFR Specification, version 1.2*

3 Terms, definitions and abbreviations

3.1 Terms and definitions

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

3.1.1

button

part of the user interface that enables the viewer to select a page or trigger an event, etc. It may not necessarily exist as a physical button on a remote control handset

3.1.2

CDATA

character data in an HTML document. Character entities and HTML mark-up is not recognized

3.1.3

conditional access (CA)

mechanism by which user access to service components can be restricted

3.1.4

PCDATA

parsed character data in an HTML document. Character entities (numeric and named entities) as well as HTML mark-up is recognized in the data

3.2 Abbreviations

CATV	Cable TV
CRC	Cyclic Redundancy Check
DECT	Digital European Cordless Telecommunications
DTD	Document Type Definition
DVB	Digital Video Broadcasting
GIF	Graphics Interchange Format
GSM	Global System for Mobile Communication
HTML	Hyper Text Mark-up Language
HTTP	Hypertext Transfer Protocol
HTTPS	Hypertext Transfer Protocol Security
IDL	Interface Definition Language
ISDN	Integrated Services Digital Network
LMDS	Local Multipoint Distribution Service
MJD	Modified Julian Date
PSTN	Plain Old Telephone System
RFC	Internet Request for Comment
SMATV	Satellite Master Antenna Television
URI	Uniform Resource Identifier
URL	Uniform Resource Locator
UTC	Universal Time Coordinated
WWW	World Wide Web

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