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TeleWeb application –

Part 4:
Hyperteletext profile

International Electrotechnical Commission, 3, rue de Varembé, PO Box 131, CH-1211 Geneva 20, Switzerland
Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: inmail@iec.ch Web: www.iec.ch

Commission Electrotechnique Internationale
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CONTENTS

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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- withdrawn;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.

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 Hyperteletext 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.

TELEWEB APPLICATION –

Part 4: Hyperteletext profile

1 Scope

This part of IEC 62298 specifies the TeleWeb Hyperteletext 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*

IEC 62298-3: *TeleWeb application – Part 3: Hyperteletext 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*