IEC/PAS 62298

Edition 1.0
2002-01

TeleWeb Application Profile 1
Reference Decoder

P U B L I C L Y   A V A I L A B L E   S P E C I F I C A T I O N

EACEM
EUROPEAN ASSOCIATION OF CONSUMER ELECTRONICS MANUFACTURERS

IEC

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

Reference number
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PUBLICLY AVAILABLE SPECIFICATION

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FOREWORD

A PAS is a technical specification not fulfilling the requirements for a standard, but made available to the public and established in an organization operating under given procedures.

IEC-PAS 62298 was submitted by the EACEM (European Association of Consumer Electronics Manufacturers) and has been processed by IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this PAS is based on the following document:	This PAS was approved for publication by the P-members of the committee concerned as indicated in the following document:
Draft PAS	**Report on voting**
100/407/PAS	100/438/RVD

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EACEM Technical Report
TR-045-r01

Title: **TeleWeb Application Profile 1 Reference Decoder**
Date: 23 April 2001
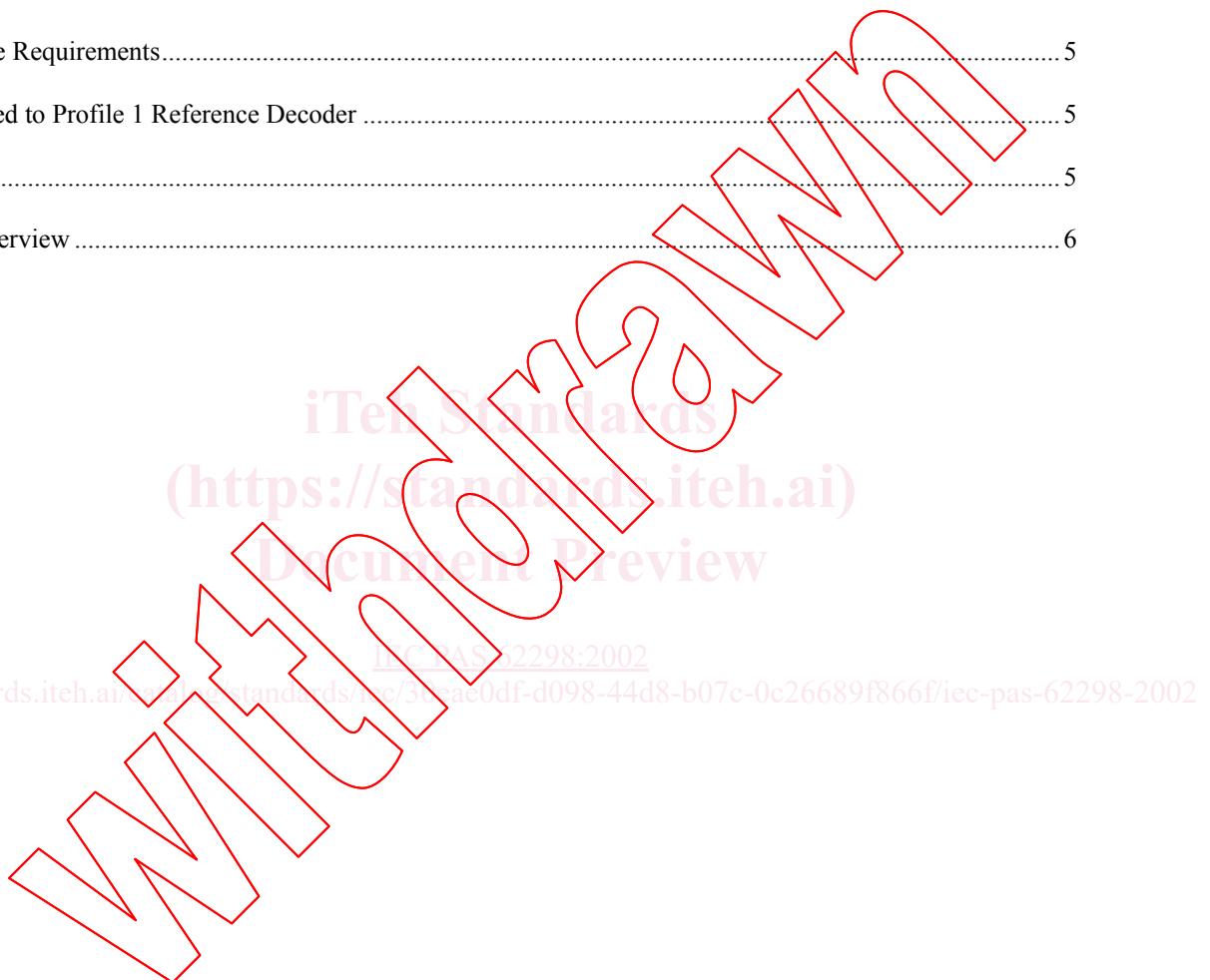
Version History

Version	Date	Author	Description
1.0	21 Dec 2000	Alexander Wass	First released version.
1.1	31 Jan 2001	Jan van Lier	Add relation between logo and certification.
2.0	5 Feb 2001	Jo Vandale	Adapting to the new EACEM references codes.
2.1 / r00	15 Feb 2001	Jo Vandale	Adding the new EACEM template (Cover, Header, Footer, …)
3.0 / r01	23 April 2001	Jo Vandale	EACEM Project Team 1.4 approved version.

Contents

1   Introduction

TARA Systems developed on request of the TeleWeb Project a Reference Decoder (Receiver & Browser) for TeleWeb profile 1. With the PC based GDI Display Simulator TeleWeb content can be displayed. This Profile 1 Reference Decoder is the basis for further porting activities to specific embedded hardware platforms. Further information can be found in reference [4]

2   References

[1]   EACEM TR-046: "TeleWeb Application Part 1, General Description".

[2]   EACEM TR-047: "TeleWeb Application Part 2, Profile 1, Enhanced".

[3]   EACEM TR-048: "TeleWeb Application Part 3, Delivery Methods".

[4]   TARA Systems GMBH: "Available Documentation": Software Specifications for GDI, HTML-DOM Implementation, Receiver, Memory Management, HTML Viewer, Application. Content Generation Guidelines

3   Profile 1 Reference Decoder

The TeleWeb Profile 1 Reference Decoder consists of a Reference Receiver and a Reference Browser. This Reference Decoder is platform independent and is the basis for further porting activities to specific embedded hardware platforms. A PC based Graphical Device Interface Display Simulator is available for displaying TeleWeb content. A TeleWeb Logo as pictured in section 4 is connected to this Reference Decoder. More information is given in references [1], [2], [3] and [4]. Documentation can be achieved via the contact addresses in section 5.
A schematic overview of the Profile 1 Reference Decoder and GDI Display Simulator is given in section 6.

3.1   TeleWeb Reference Receiver

- Data transmission using IDL format B.

- Based on DVB Data Carousels

- FEC and CRC

- Prioritised File Database

- Pre-Filtering of pages

3.2   TeleWeb Reference Browser

- Implements a browser based on the requirements as specified in [2]

- Easy Navigation with left, right, up, down, select, colour and number keys

- Bookmark Management

- History Support

Software Design

- Object Oriented ANSI C Design

- Platform independent

- Prepared for easy porting to embedded 16/32-bit platforms

- PC based development with slicer and display simulator

- Automatic test system

3.3   Hardware Requirements

- 16 or 32-bit controller

- 640x480 display for content

- min. 188 colours

- ~ 500 Kbytes for code (including GDI and fonts)

- >5 Mbytes RAM for database

- 1 Mbytes RAM workspace
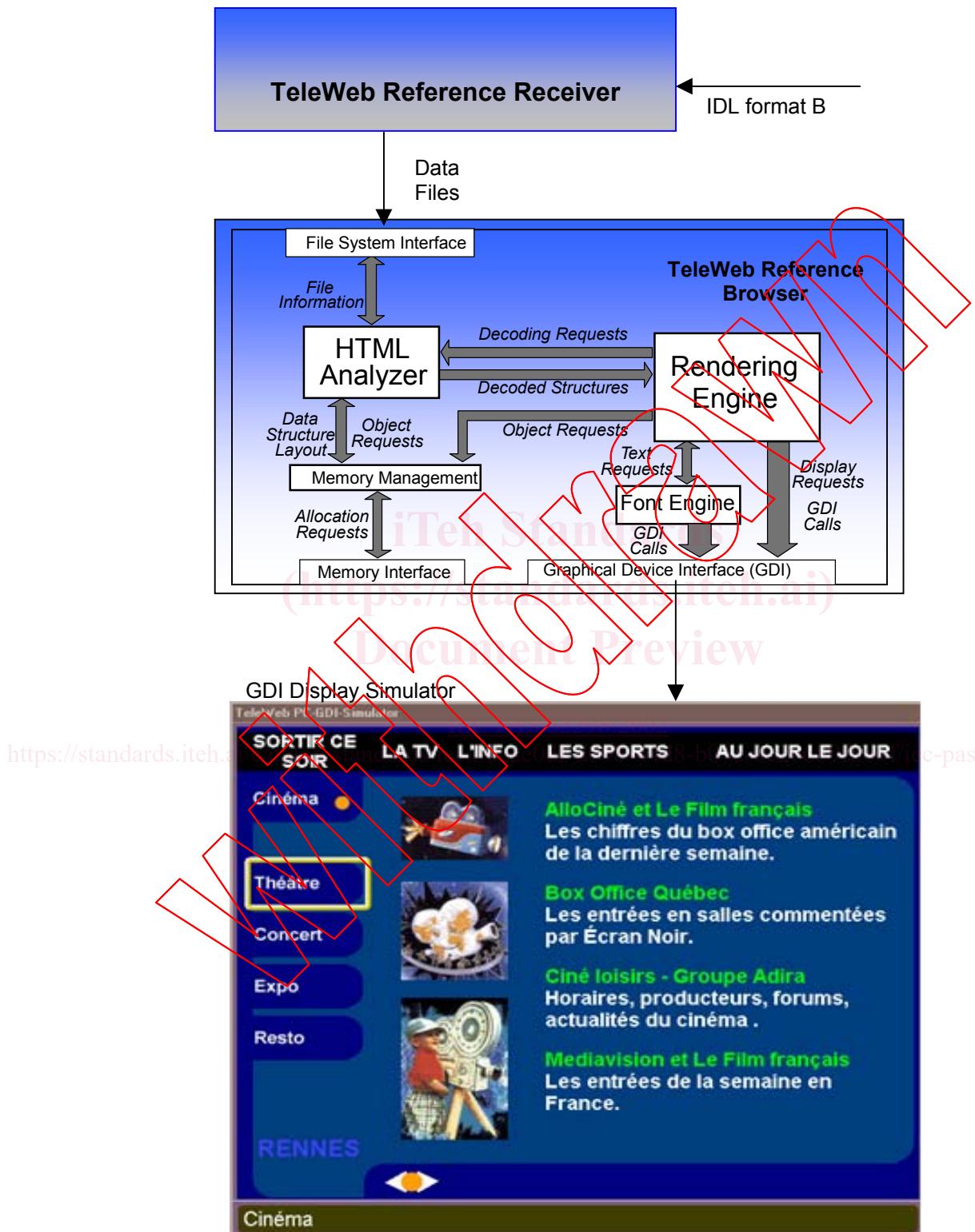
4   Logo connected to Profile 1 Reference Decoder

5   Contacts

EACEM	Brussels / Belgium	Internet address: http//www.eacem.be
TARA Systems GmbH	Munich / Germany	Internet address: http//www.tara-systems.de
TeleWeb Project		Internet address: http//www.superteletext.tv

6 Schematic Overview

EACEM Technical Report
TR-046-r02

Title:
TeleWeb Application Part 1, General Description
Proposed ETSI Title: "TeleWeb Application Part 1, General Description"
Proposed ETSI keywords: "TeleWeb, Superteletext, Browser, Enhanced, Internet, Interactive, Profile, Overview, Teletext, HTML"
Date: 18 May 2001

History

Ver.	Date	Author	Description
0.1	15 Feb 2000	David Tarrant	Initial split up from the original TeleWeb specification v1.6 in the TP1.4 meeting in Brussels
0.2	20 Juli 2000	Jo Vandale	Adaptations during the EACEM TP1.4 and TeleWeb meeting in Rennes
0.21	8 Aug 2000	Jo Vandale	Adaptations during the EACEM TP1.4 meeting in Brugge
0.22	31 Aug 2000	Jo Vandale	Minor adaptations during the TeleWeb meeting in Rousset
0.3	24 Oct 2000	Jo Vandale	Combining the requirement tables of profile 1.
0.4	2 Nov 2000	Jo Vandale	Adding the review remarks on version 0.3 by David Tarrant.
1.0	3 Nov 2000	Jo Vandale	Released version after review in the TeleWeb group.
1.9	4 Dec 2000	Jo Vandale	Rework after specification changes of the steering board.
2.0	11 Dec 2000	Jo Vandale	Released version after review in the Technical TeleWeb group.
2.1	31 Jan 2001	Jo Vandale	Released version after minor changes during the TM of January.
3.0	5 Feb 2001	Jo Vandale	Adapting to the new EACEM reference codes.
3.1 / r00	15 Feb 2001	Jo Vandale	Adding the new EACEM template (Cover, Header, Footer, …)
4.0 / r01	23 April 2001	Jo Vandale	Adaptations resulting from the last Technical Meeting EACEM Project Team 1.4 approved.
4.1 / r02	5 May 2001	Jo Vandale	Making nexTView links optional as a result of the EACEM TC support group meeting.

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