Multimedia home server systems – Interchangeable volume/file structure adaptation for broadcasting receivers Part 1: General description and architecture

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EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 62328-1:2005 sisaldab Euroopa standardi EN 62328-1:2005 ingliskeelset teksti. Käesolev dokument on jõustatud 28.10.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 62328-1:2005 consists of the English text of the European standard EN 62328-1:2005. This document is endorsed on 28.10.2005 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: Defines the volume and file structure required for interchanging multimedia data of a home server/broadcasting receiver, which consists of an AV stream with multiple associated objects.specifies references, definitions, abbreviations, notation and bibliography that apply to this and the other three parts. It also specifies requirements, design considerations and content architecture.	**Scope:** Defines the volume and file structure required for interchanging multimedia data of a home server/broadcasting receiver, which consists of an AV stream with multiple associated objects.specifies references, definitions, abbreviations, notation and bibliography that apply to this and the other three parts. It also specifies requirements, design considerations and content architecture.

ICS 33.160, 35.220

Võtmesõnad:

EUROPEAN STANDARD **EN 62328-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM September 2005

ICS 33.160; 35.220

English version

Multimedia home server systems – Interchangeable volume/file structure adaptation for broadcasting receivers Part 1: General description and architecture
(IEC 62328-1:2005)

Systèmes de serveurs multimédia grand public – Adaptation aux récepteurs de radiodiffusion des structures de volumes/fichiers interchangeables Partie 1: Description générale et architecture (CEI 62328-1:2005)

Multimediaserver für den Heimgebrauch – Anpassung der austauschbaren Datenträger-/Dateistruktur für Rundfunkempfänger Teil 1: Allgemeine Beschreibung und Architektur (IEC 62328-1:2005)

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 62328-1:2005 E

Foreword

The text of document 100/963A/FDIS, future edition 1 of IEC 62328-1, 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 62328-1 on 2005-08-01.

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)	2006-05-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2008-08-01

Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 62328-1:2005 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 62328-2	- [1)]	Multimedia home server systems - Interchangeable volume/file structure adaptation for broadcasting receivers Part 2: General recording structure	EN 62328-2	2005 [2)]
IEC 62328-3	- [1)]	Part 3: Broadcasting system specific recording structure - ISDB	-	-
ISO/IEC 13818	Series	Information technology - Generic coding of moving pictures and associated audio information	-	-
ISO/IEC 13818-1	2000	Information technology - Generic coding of moving pictures and associated audio information: Systems	-	-
IEEE 1394	2003	IEEE standard for a high performance serial bus peer-to-peer data transport protocol (PPDT)	-	-

1) Undated reference.

2) Valid edition at date of issue.

INTERNATIONAL STANDARD

IEC 62328-1

First edition
2005-07

Multimedia home server systems – Interchangeable volume/file structure adaptation for broadcasting receivers –

Part 1: General description and architecture

Reference number
IEC 62328-1:2005(E)

Publication numbering

As from 1 January 1997 all IEC publications are issued with a designation in the 60000 series. For example, IEC 34-1 is now referred to as IEC 60034-1.

Consolidated editions

The IEC is now publishing consolidated versions of its publications. For example, edition numbers 1.0, 1.1 and 1.2 refer, respectively, to the base publication, the base publication incorporating amendment 1 and the base publication incorporating amendments 1 and 2.

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  The on-line catalogue on the IEC web site (www.iec.ch/searchpub) enables you to search by a variety of criteria including text searches, technical committees and date of publication. On-line information is also available on recently issued publications, withdrawn and replaced publications, as well as corrigenda.

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INTERNATIONAL STANDARD

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Part 1: General description and architecture

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International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

MULTIMEDIA HOME SERVER SYSTEMS – INTERCHANGEABLE VOLUME/FILE STRUCTURE ADAPTATION FOR BROADCASTING RECEIVERS –

Part 1: General description and architecture

FOREWORD

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International Standard IEC 62328-1 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

FDIS	Report on voting
100/963A/FDIS	100/987/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 62328 consists of the following parts, under the general title *Multimedia home server systems – Interchangeable volume/file structure adaptation for broadcasting receivers:*

Part 1: General description and architecture

Part 2: General recording structure

Part 3: Broadcasting system specific recording structure – ISDB

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

Broadcast data in a transport stream can contain multiple associated objects. When that data is distributed on interchangeable storage media, for example, optical disks, the associated objects should be synchronized. Open distribution of the media requires that the data be adapted to a standardized volume and file structure, which should conform to the existing basic volume and file structure.

MULTIMEDIA HOME SERVER SYSTEMS– INTERCHANGEABLE VOLUME/FILE STRUCTURE ADAPTATION FOR BROADCASTING RECEIVERS –

Part 1: General description and architecture

1 Scope

This part of IEC 62328 defines the volume and file structure required for interchanging multimedia data of a home server/broadcasting receiver, which consists of an AV stream with multiple associated objects.

This part of IEC 62328 specifies references, definitions, abbreviations, notation and bibliography that apply to this and the other three parts. It also specifies requirements, design considerations and content architecture.

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 62328-2:*Multimedia home server systems – Interchangeable volume/file structure adaptation for broadcasting receivers – General recording structure*

IEC 62328-3:*Multimedia home server systems – Interchangeable volume/file structure adaptation for broadcasting receivers – Broadcasting system specific recording structure – ISDB* [2]

ISO/IEC 13818 (all parts), *Information technology – Generic coding of moving pictures and associated audioinformation*

ISO/IEC 13818-1:2000, *Information technology – Generic coding of moving pictures and associated audio information: Systems*

IEEE 1394:2003, *IEEE standard for a high performance serial bus peer-to-peer data transport protocol (PPDT)*

3 Terms and definitions

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

3.1
action
duration from start to end defined by a user or equipment