

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

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

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 62328-2:2005 sisaldab Euroopa standardi EN 62328-2:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 28.10.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 62328-2:2005 consists of the English text of the European standard EN 62328-2:2005.</p> <p>This document is endorsed on 28.10.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> 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.</p>	<p><b>Scope:</b> 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.</p>
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**ICS** 33.160, 35.220

**Võtmesõnad:**

**Multimedia home server systems –  
Interchangeable volume/file structure adaptation  
for broadcasting receivers  
Part 2: General recording structure  
(IEC 62328-2:2005)**

Systèmes de serveurs multimédia  
grand public –  
Adaptation aux récepteurs  
de radiodiffusion des structures  
de volumes/fichiers interchangeables  
Partie 2: Structure générale  
d'enregistrement  
(CEI 62328-2:2005)

Multimediaserver für den Heimgebrauch –  
Anpassung der austauschbaren  
Datenträger-/Dateistruktur für  
Rundfunkempfänger  
Teil 2: Allgemeine Aufzeichnungstruktur  
(IEC 62328-2:2005)

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## Foreword

The text of document 100/964A/FDIS, future edition 1 of IEC 62328-2, 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 62328-2 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 62328-2:2005 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62328-1	- <sup>1)</sup>	Multimedia home server systems - Interchangeable volume/file structure adaptation for broadcasting receivers Part 1: General description and architecture	EN 62328-1	2005 <sup>2)</sup>
IEC 62328-3	- <sup>1)</sup>	Part 3: Broadcasting system specific recording structure - ISDB	-	-
ISO/IEC 646	1991	Information technology - ISO 7-bit coded character set for information interchange	-	-
ISO/IEC 10918-1	1994	Information technology - Digital compression and coding of continuous- tone still images: Requirements and guidelines	-	-
ISO/IEC 13818-2	2000	Information technology Generic coding of moving pictures and associated audio information: Video	-	-

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.

# INTERNATIONAL STANDARD

**IEC**  
**62328-2**

First edition  
2005-07

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

**Part 2:  
General recording structure**



Reference number  
IEC 62328-2:2005(E)

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# INTERNATIONAL STANDARD

**IEC**  
**62328-2**

First edition  
2005-07

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

### **Part 2: General recording structure**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

## **Part 2: General recording structure**

### FOREWORD

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International Standard IEC 62328-2 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
100/964A/FDIS	100/988/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 2: General recording structure

### 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.

### 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 62328-1: *Multimedia home service systems – Interchangeable volume/file structure adaptation for broadcasting receivers – Part 1: General description and architecture*

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

ISO/IEC 646:1991, *Information technology – ISO 7-bit coded character set for information interchange*

ISO/IEC 10918-1:1994, *Information technology – Digital compression and coding of continuous-tone still images: Requirements and guidelines*

ISO/IEC 13818-2:2000, *Information technology – Generic coding of moving pictures and associated audio information: Video*

### 3 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

#### 3.2

##### **AV stream**

recorded data in the MainTS stream file of PROGxxxx.PIF in this specification or the general meaning as multiplexed digital audio and video

#### 3.3

##### **AV stream sequence**

sequence of AV stream(s) pointed by the orderly set of pointers to the part of a MainTS stream file