

Audio Archive System - Part 1-1: DVD disk and data
migration for long term audio data storage

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 62702-1-1:2016 sisaldab Euroopa standardi EN 62702-1-1:2016 ingliskeelset teksti.	This Estonian standard EVS-EN 62702-1-1:2016 consists of the English text of the European standard EN 62702-1-1:2016.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English Version

**Audio Archive System - Part 1-1: DVD disk and data migration
for long term audio data storage
(IEC 62702-1-1:2016)**

Système d'archivage audio - Partie 1-1: Disque DVD et
migration de données pour le stockage à long terme des
données audio
(IEC 62702-1-1:2016)

Audio Archivierungssystem - Teil 1-1: DVD Disk und
Datenmigration für die Langzeit Audiodaten Speicherung
(IEC 62702-1-1:2016)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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European foreword

The text of document 100/2449/CDV, future edition 1 of IEC 62702-1-1, prepared by Technical Area 6 “Storage media, storage data structures, storage systems and equipment” of IEC/TC 100 “Audio, video and multimedia systems and equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62702-1-1:2016.

The following dates are fixed:

- latest date by which the document has to be (dop) 2017-03-16
implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2019-06-16
standards conflicting with the
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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO/IEC 16448	2002	Information technology - 120 mm DVD - Read-only disk	-	-
ISO/IEC 16963	-	Information technology - Digitally recorded - media for information interchange and storage - Test method for the estimation of lifetime of optical disks for long-term data storage	-	-
ISO/IEC 29121	-	Information technology - Digitally recorded - media for information interchange and storage - Data migration method for DVD-R, DVD-RW, DVD-RAM, +R, and +RW disks	-	-

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INTRODUCTION

Sound recordings such as music, speech, and storytelling are an important human heritage and should be preserved for as long as possible. However, we were not able to record sounds in order to preserve them in the past. The first recoding was achieved by Edison in 1877.

Although various technologies were invented later, most of them have limitations for audio archives because storage life time is limited and the sound quality deteriorates when it is transferred to the next generation storage device.

The progress of LSI technology made digital recording of recorded sound possible. The digital recording is very suitable for audio archiving because the migration is performed by copying digital data.

For this purpose various recording materials exist, such as optical disks, magnetic disks, magnetic tape and nonvolatile memory such as a phase change memory.

This International Standard specifies physical and logical aspects for a standard of audio archives of various storage types which are typically used for audio archives in markets.

The IEC 62702 series currently consists of:

Part 1 specifies the minimum requirements on physical aspects of optical disks for digital sound recordings. Part 1-1 specifies DVD optical disks, and Part 1-2 specifies BD optical disks.

Part 2 specifies the minimum requirements for digitization of content, format of digitised content, content information and media inspection.