

<b>STN</b>	<b>System na archiváciu zvuku. Časť 1-1: DVD nosiče a migrácia údajov na dlhodobé skladovanie zvukových nahrávok.</b>	<b>STN EN 62702-1-1</b>  36 8405
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Audio Archive System - Part 1-1: DVD disk and data migration for long term audio data storage

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 11/16

Obsahuje: EN 62702-1-1:2016, IEC 62702-1-1:2016

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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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Europäisches Komitee für Elektrotechnische Normung

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-06-16

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



# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



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**Audio archive system –  
Part 1-1: DVD disk and data migration for long term audio data storage**

**Système d'archivage audio –  
Partie 1-1: Disque DVD et migration de données pour le stockage à long terme  
des données audio**





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**Système d'archivage audio –  
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## AUDIO ARCHIVE SYSTEM –

## Part 1-1: DVD disk and data migration for long term audio data storage

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International Standard IEC 62702-1-1 has been prepared by technical area 6: Storage media, storage data structures, storage systems and equipment, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

CDV	Report on voting
100/2449/CDV	100/2518/RVC

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.

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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.

## AUDIO ARCHIVE SYSTEM –

### Part 1-1: DVD disk and data migration for long term audio data storage

#### 1 Scope

This part of IEC 62702 specifies a method of data-quality assurance for writable DVD disks (hereinafter disks) which are specified for long term data storage, and a data migration method which can sustain the recorded data on disks for long term audio data preservation. The writable disks include recordable disks such as DVD-R, and +R format, and rewritable disks such as DVD-RW, +RW format and DVD-RAM.

#### 2 Normative references

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.

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 media for long-term data storage*

ISO/IEC 29121:2013, *Information technology – Digitally recorded media for information interchange and storage – Data migration method for DVD-R, DVD-RW, DVD-RM, +R, and +RW disks*

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