

High density recording format on CD-R/RW disc system - HD-BURN format

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 62403:2006 sisaldab Euroopa standardi EN 62403:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 14.07.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 62403:2006 consists of the English text of the European standard EN 62403:2006.</p> <p>This document is endorsed on 14.07.2006 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>Käsitlusala:</p> <p>This International Standard specifies the HD-BURN format applied to CD-R/RW discs. The HD-BURN system is capable of recording the information in double density compared to the conventional CD-R/RW disc. It enables the realization of products with high reliability, high speed and interchangeability, and is especially suitable for consumer applications with high cost-performance.</p>	<p>Scope:</p> <p>This International Standard specifies the HD-BURN format applied to CD-R/RW discs. The HD-BURN system is capable of recording the information in double density compared to the conventional CD-R/RW disc. It enables the realization of products with high reliability, high speed and interchangeability, and is especially suitable for consumer applications with high cost-performance.</p>
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ICS 35.220.30

Võtmesõnad:

**High density recording format on CD-R/RW disc system -
HD-BURN format
(IEC 62403:2005)**

Format d'enregistrement à haute densité
sur un système à disque CD-R/RW -
Format HD-BURN
(CEI 62403:2005)

Aufzeichnungsformat hoher Dichte
für CD-R/RW-Systeme -
HD-BURN-Format
(IEC 62403:2005)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of the International Standard IEC 62403:2005, prepared by technical area 7: Moderate data rate storage media, equipment and systems of IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the formal vote and was approved by CENELEC as EN 62403 on 2006-02-01 without any modification.

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) 2007-02-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2009-02-01

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Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62403:2005 was approved by CENELEC as a European Standard without any modification.

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 60908	- ¹⁾	Audio recording - Compact disc digital audio system	EN 60908	1999 ²⁾
ISO/IEC 16448	2002	Information technology - 120 mm DVD - Read-only disk	-	-
ISO/IEC 20563	- ¹⁾	Information technology - 80 mm (1,23 Gbytes per side) and 120 mm (3,95 Gbytes per side) DVD-recordable disk (DVD-R)	-	-
IEC/TR 62291	2002	Multimedia data storage - Application program interface for UDF based file systems	-	-
ISO 9660	1988	Information processing - Volume and file structure of CD-ROM for information interchange	-	-
ISO/IEC 13346-1	1995	Information technology - Volume and file structure of write-once and rewritable media using non-sequential recording for information interchange Part 1: General	-	-
The Sony/Philips Red Book	1999	Compact disk digital audio system description	-	-
The Sony/Philips Orange Book	- ¹⁾	Recordable compact disk system - Part 2: CD-R	-	-
The Sony/Philips Orange Book	- ¹⁾	Recordable compact disk system - Part 3: CD-RW	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

INTERNATIONAL STANDARD

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**High density recording format on CD-R/RW disc
systems – HD-BURN format**



Reference number
IEC 62403:2005(E)

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INTERNATIONAL STANDARD

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High density recording format on CD-R/RW disc systems – HD-BURN format

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HIGH DENSITY RECORDING FORMAT ON CD-R/RW DISC SYSTEMS – HD-BURN FORMAT

FOREWORD

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International Standard IEC 62403 has been prepared by technical area 7: Moderate data rate storage media, equipment and systems of IEC technical committee TC 100: Audio, video and multimedia systems and equipment.

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

CDV	Report on voting
100/844/CDV	100/926/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.

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

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- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

HIGH DENSITY RECORDING FORMAT ON CD-R/RW DISC SYSTEMS – HD-BURN FORMAT

1 Scope

This International Standard specifies the HD-BURN format applied to CD-R/RW discs. The HD-BURN system is capable of recording the information in double density compared to the conventional CD-R/RW disc. It enables the realization of products with high reliability, high speed and interchangeability, and is especially suitable for consumer applications with high cost-performance.

This document describes:

- the physical characteristics for the recording and playback;
- the track structure of a disc;
- the data structure in the track;
- logical format structure.

2 Normative references

The following references are indispensable for the application of this document. For dated references, only the cited edition applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60908, *Audio recording – Compact disc digital audio system*

ISO/IEC 16448:2002, *Information technology – 120 mm DVD – Read-only disk*

ISO/IEC 20563, *Information technology – 80 mm (1,23 Gbytes per side) and 120 mm (3,95 Gbytes per side) DVD-recordable disc (DVD-R)*

IEC 62291:2002, *Multimedia data storage – Application program interface for UDF based file systems*

ISO 9660:1988, *Volume and file structure of CD-ROM for Information Interchange*

ISO/IEC 13346-1:1995, *Information technology – Volume and file structure of write-once and rewritable media using non-sequential recording for information interchange – Part 1: General*

The Red Book: *Compact disk digital Audio System Description Version*, May 1999
Sony/Philips

The Orange Book part2: *Recordable compact disk systems, Part2 CD-R Version 3.1*,
Sony/Philips

The Orange Book part 3: *Recordable compact disk system, Part3 CD-RW Volume 3, Ultra-Speed Ver 1.0*

NOTE The Red book and Orange book can be obtained from Sony/Philips.