INTERNATIONAL STANDARD

ISO
10922

Information on Optical Disk Cartridges (ODC) shipping packages and ODC labels

Informations relatives aux cartouches de disques optiques (ODC) à imprimer sur les emballages de transport, les zones imprimées ODC et les étiquettes ODC

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 10922 was prepared by Technical Committee ISO/TC 171, *Document imaging applications*, Subcommittee SC 2, *Application issues*.

Annex A forms a normative part of this International Standard. Annexes B and C for information only.

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Introduction

Shipping packages for Optical Disk Cartridges (ODC) vary. For example, ODC shipping packages may consist of a box which contains jewel boxes (e.g., 5 or 10), each containing one ODC. The jewel boxes may be covered by a J-sleeve.

Information printed on components of the shipping package assists suppliers and users in identifying contents and making decisions on handling, shipping and storage without opening the package.

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Information on Optical Disk Cartridges (ODC) shipping packages and ODC labels

1 Scope

This International Standard specifies information that shall be printed by the manufacturer or supplier of ODCs on the different components of the shipping packages and on the ODC printed areas. Information that may be printed in the ODC labels by the manufacturer, supplier or users is also specified.

This International Standard also specifies additional information that shall be printed on the different components of the shipping package or shall be included with the shipping package.

This International Standard applies to all writable Optical Disk (OD) sizes and types including write-once read multiple (WORM), rewritable, read only, and partially read only media, e.g., magneto-optical (MO) rewritable combined with read only or phase change (PC) rewritable combined with read only. Compact disc (CD) media is beyond the scope of this International Standard.

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2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

2.1 90 mm ODC

ISO/IEC 10090:1992, *Information technology — 90 mm optical disk cartridges, rewritable and read-only, for data interchange.*

ISO/IEC 13963:1995, *Information technology — Data interchange on 90 mm optical disk cartridges — Capacity: 230 megabytes per cartridge.*

2.2 130 mm ODC

ISO/IEC 9171-1:1990, *Information technology — 130 mm optical disk cartridge, write once, for information interchange — Part 1: Unrecorded optical disk cartridge.*

ISO/IEC 9171-2:1990, *Information technology — 130 mm optical disk cartridge, write once, for information interchange — Part 2: Recording format.*

ISO/IEC 10089:1991, *Information technology — 130 mm rewritable optical disk cartridge for information interchange.*

ISO/IEC 11560:1992, *Information technology — Information interchange on 130 mm optical disk cartridges using the magneto-optical effect, for write once, read multiple functionality.*

ISO/IEC 13481:1993, *Information technology — Data interchange on 130 mm optical disk cartridges — Capacity: 1 gigabyte per cartridge.*

ISO/IEC 13549:1993, *Information technology — Data interchange on 130 mm optical disk cartridges — Capacity: 1,3 gigabytes per cartridge.*

ISO/IEC 13842:1995, *Information technology — 130 mm optical disk cartridges for information interchange — Capacity: 2 Gbytes per cartridge.*

2.3 300 mm ODC

ISO/IEC 13403:1995, *Information technology — Interchange on 300 mm optical disk cartridges of the write once, read multiple (WORM) type using the CCS method.*

ISO/IEC 13614:1995, *Information technology — Interchange on 300 mm optical disk cartridges of the write once, read multiple (WORM) type using the SSF method.*

2.4 356 mm ODC

ISO/IEC 10885:1993, *Information technology — 356 mm optical disk cartridge for information interchange — Write once.*

2.5 Other references

ISO 12651, *Electronic imaging — Vocabulary.*

3 Terms and definitions

For the purposes of this International Standard, the terms and definitions given in ISO 12651 and the following apply.

3.1
caddy
enclosure which protects the OD and carrier from contamination and damage due to physical handling

[ISO/IEC 10885]

NOTE   The caddy may include space for physical labelling, write-inhibit features and provisions for automatic handling. The term "caddy" is typically used for 356 mm OD. In this International Standard, ODC also refers to caddy. See ODC.

3.2
case
housing for an OD that protects the disk and facilitates disk interchange

[ISO/IEC 9171:1, ISO/IEC 10885, ISO/IEC 10089, ISO/IEC 10090, ISO/IEC 11560]

3.3
Compact Disc Read-only Memory (CD-ROM)
ODs that contain file(s) of prerecorded information for retrieval by commonly available search and retrieval software

3.4
jewel box
a box, usually made of plastic, that contains the ODC

3.5
J-sleeve
jacket that contains the jewel box with the ODC

3.6
Optical Disk (OD)
disk that will accept and retain information in the form of marks in a recording layer that can be read by an optical beam

[ISO/IEC 9171, ISO/IEC 10885, ISO/IEC 10089, ISO/IEC 10090, ISO/IEC 11560]

3.7
Optical Disk Cartridge (ODC)
device consisting of a case containing an OD

[ISO/IEC 9171, ISO/IEC 10885, ISO/IEC 10089, ISO/IEC 10090, ISO/IEC 11560]

3.8
OD carrier
framework which captures and holds an OD except when the OD is mounted on the disk drive spindle

[ISO/IEC 10885]

NOTE   The carrier provides the interface with the equipment for handling of an OD. The carrier and the OD are permanently mated and as a sub assembly interchangeable with any caddy, disk drive or library equipment.

3.9
ODC label
physical label for an ODC

3.10
ODC shipping packages
wrappings used to provide protection for ODCs during shipping and storage

3.11
Rewritable ODs
ODs where original information recorded in a given area can be erased and replaced with new information

3.12
Write-Once-Read-Multiple ODs
ODs used to store information that cannot be altered or erased and where a recorded area cannot be reused

NOTE   WORM ODs are popularly described as WORM disks.

3.13
printed area
area on the case of an OD, the surface of which has been treated to accept print

3.14
supplier
organization that supplies ODCs manufactured by another organization

4   Information on ODC shipping packages and ODC printed areas

4.1   ODC shipping packages

The design of shipping packages for ODCs varies. For example, ODC shipping packages may consist of a box which contains jewel boxes (e.g., 5 or 10), each containing one ODC. The jewel boxes may be covered by a J-sleeve.