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INTERNATIONAL STANDARD

ISO/IEC 13614

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Information technology — Interchange on 300 mm optical disk cartridges of the write once, read multiple (WORM) type using the SSF method

Technologies de l'information — Échange sur cartouches de disque optique de 300 mm de diamètre du type écriture unique-lecture multiple (WORM) utilisant la méthode SSF

Reference number
ISO/IEC 13614:1995(E)

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

International Standard ISO/IEC 13614 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 23, *Optical disk cartridges for information interchange*.

Annexes A to G and J form an integral part of this International Standard. Annexes H and K to M are for information only.

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Information technology - Interchange on 300 mm optical disk cartdriges of the write once, read multiple (WORM) type using the SSF method

Section 1: General

1 Scope

This International Standard specifies the characteristics of 300 mm optical disk cartridges (ODC) of the WORM type providing for embossed information and for data to be written once and read multiple times.

It specifies

- the conditions for conformance testing and the reference drive;
- the mechanical and physical characteristics of the cartridge, so as to provide mechanical interchangeability between data processing systems;
- the format of the information on the disk, both embossed and user-written;
- the characteristics of the embossed information on the disk;
- the optical characteristics of the disk, enabling processing systems to write data onto the disk;
- the minimum quality of user-written data on the disk, enabling data processing systems to read data from the disk.

Together with the standard for Volume and File Structure, this International Standard provides for full data interchange between data processing systems. Interchange involves the ability to write and read data without introducing any error.

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2 Conformance

A 300 mm optical disk cartridge is in conformance with this International Standard if it meets all mandatory requirements specified herein.

A drive claiming conformance with this International Standard shall be able, in the operating environment, to write on any optical disk cartridge which is in conformance with this Standard and to read any such optical disk cartridge which has been written with any drive in conformance with this International Standard.

A drive shall not claim conformance if it cannot accept the full range of media conforming to the Standard.

3 Normative references

The following standards contain provisions, which in reference with this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to

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investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 950:1991, *Safety of information technology equipment, including electrical business equipment.*

IEC 721-3-3:1987, *Classification of environmental conditions. Part 3: Classification of groups of environmental parameters and their severities. Section 3: Stationary use at weatherprotected locations.*

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