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Information technology — 356 mm optical disk cartridge for information interchange — Write once

*Technologies de l'information — Cartouches de disques optiques de
356 mm pour l'échange d'informations — Cartouches non réinscriptibles*



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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 10885 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Sub-Committee SC 23, *Optical disk cartridges for information interchange*.

Annexes A, C, D, E, F, G, H, J, K, L, M, N, P, Q and R form an integral part of this International Standard. Annex B is for information only.

Information technology — 356 mm optical disk cartridge for information interchange — Write once

1 Scope

This International Standard specifies the characteristics of 356 mm optical disk cartridges of the type providing for information to be written once and read many times.

ISO 10885 specifies

- definitions of essential concepts,
- the environment in which the characteristics shall be tested,
- the environments in which the cartridge shall be operated and stored,
- the mechanical, physical and dimensional characteristics of the case and of the optical disk,
- the optical characteristics and the recording characteristics for recording the information once and for reading it many times, so as to provide physical interchangeability between data processing systems.
- the format for the physical disposition of the tracks and sectors, the error correction codes, the modulation methods used for recording and the quality of the recorded signals.

Together with a standard for volume and file structure, ISO/IEC 10885 provides for full data interchange between data processing systems.

2 Conformance

A 356 mm optical disk cartridge is in conformance with this International Standard if it meets all the mandatory requirements herein.

3 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard listed below. Members of IEC and ISO maintain registers of currently valid international standards.

ISO/IEC 646:1991 *Information Technology - ISO 7-bit coded character set for information interchange.*