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**Information technology — Data interchange on
90 mm flexible disk cartridges using modified
frequency modulation recording at 31 831 ftprad
on 80 tracks on each side — ISO Type 303**

*Technologies de l'information — Échange de données sur cartouche à
disquette de 90 mm utilisant un enregistrement à modulation de
fréquence modifiée à 31 831 ftprad, 80 pistes par face — ISO Type 303*



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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 JTC1. 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 10994 was prepared by the European Computer Manufacturers Association (as Standard ECMA-147) and was adopted, under a special "fast-track procedure", by Joint Technical Committee ISO/IEC JTC1, *Information technology*, in parallel with its approval by national bodies of ISO and IEC.

Annexes A to D and G to K form an integral part of this International Standard. Annexes E and F are for information only.

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Information technology - Data interchange on 90 mm flexible disk cartridges using modified frequency modulation recording at 31 831 ftrpad on 80 tracks on each side - ISO Type 303

Section 1 - General

1 Scope

This International Standard specifies the characteristics of 90 mm flexible disk cartridges recorded at 31 831 ftrpad using modified frequency modulation recording, on 80 tracks on each side. Such flexible disk cartridges are identified as ISO Type 303.

It specifies the mechanical, physical and magnetic characteristics of the cartridge, so as to provide physical interchangeability between data processing systems.

It also specifies the method of recording, the quality of the recorded signals, the track layout and the track format.

Together with ISO 9293, this International Standard provides for full data interchange between data processing systems.

2 Conformance

A 90 mm flexible disk cartridge is in conformance with this International Standard if it meets all mandatory requirements specified herein.

3 Normative references

The following standards contain provisions which, through reference in 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 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.

ISO 683-13:1986 - *Heat-treatable steels, alloy steels and free-cutting steels - Part 13: Wrought stainless steels*

ISO 8860-1:1987 - *Information processing - Data interchange on 90 mm (3,5 in) flexible disk cartridges using modified frequency modulation recording at 7 958 ftrpad on 80 tracks on each side - Part 1: Dimensional, physical and magnetic characteristics*

ISO 8860-2:1987 - *Information processing - Data interchange on 90 mm (3,5 in) flexible disk cartridges using modified frequency modulation recording at 7 958 ftrpad on 80 tracks on each side - Part 2: Track format*

ISO 9293:1987 - *Information processing - Volume and file structure of flexible disk cartridges for information interchange*

ISO 9529-1:1989 - *Information processing systems - Data interchange on 90 mm (3,5 in) flexible disk cartridges using modified frequency modulation recording at 15 916 ftrpad, on 80 tracks on each side - Part 1: Dimensional, physical and magnetic characteristics*

ISO 9529-2:1989 - *Information processing systems - Data interchange on 90 mm (3,5 in) flexible disk cartridges using modified frequency modulation recording at 15 916 ftrpad, on 80 tracks on each side - Part 2: Track format*

ISO/IEC 9983:1989 - *Information processing systems - Designation of unrecorded flexible disk cartridges.*