

INTERNATIONAL STANDARD

**ISO
9315**

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Information processing systems — Interface between flexible disk cartridge drives and their host controllers

*Systèmes de traitement de l'information — Interface entre dispositifs d'entraînement
pour cartouches de disques souples et leurs contrôleurs hôtes*



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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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 9315 was prepared by Technical Committee ISO/TC 97, *Information processing systems*.

Information processing systems – Interface between flexible disk cartridge drives and their host controllers

1 Scope

This International Standard specifies a flexible disk cartridge drive and defines the necessary functional and electrical requirements (including logic signals) and the mechanical requirements of the interface for the connection of conforming flexible disk drives to a host system. It includes drives using media specified in many standards but does not exclude drives using other media.

This International Standard is distinct from a specification in that it delineates a minimum set of requirements consistent with compatibility and interchangeability at the interface level. This standard is intended to facilitate the interconnection of flexible disk drives to a host system by a user who has available the technical capability to verify test performance up through the functional level. The user should also have the capability of specifying the overall system hardware and software that will be unique for this particular device, and should also have the capability of specifying the controller combination for the desired application and end use.

This International Standard applies to both single- and double-sided disk drives using 200 mm (8 in) or 130 mm (5,25 in) envelope-size flexible disks. It does not prescribe the magnetic encoding or decoding method, the recording techniques, or the format used to write or read data. It does not apply to host/drive subsystems where there is no clear physical and functional separation between the host and its drive or drives. This standard, as originally developed, was written specifically for 200 mm and 130 mm flexible disk drives. However, the standard may be applied to other disk sizes. In particular, for smaller drive applications considering this standard it is recommended that smaller-size flexible disk drives and their controllers use the descriptions applicable to 130 mm flexible disk drives.