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Information technology — Digitally recorded media for information interchange and storage — Information Versatile Disk for Removable usage (iVDR) cartridge

Technologies de l'information — Supports enregistrés numériquement pour échange et stockage d'information — Disque versatile d'information pour cartouche d'emploi amovible (iVDR)

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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.

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The main task of technical committees is to prepare International Standards. 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.

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ISO/IEC 29171 was prepared by Technical Committee ISO/TC JTC 1, *Information technology*, Subcommittee SC 23, *Digitally Recorded Media for Information Interchange and Storage*.

Introduction

The original iVDR specification was developed by the “iVDR Consortium”, (http://www.ivdr.org).

Hard disk drive technologies can be used in the cartridge. A major use of iVDR cartridges might be storage for digitally recorded audio and video content.

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1 Scope

This International Standard specifies the dimensional, mechanical and physical characteristics of an information Versatile Disk for Removable usage (iVDR) cartridge to enable mechanical interchangeability between data processing systems. Hard disk drive technologies can be used in the cartridge.

This International Standard specifies the environment in which iVDR cartridges are to be operated and stored, and specifies the dimensions and pin assignments of a connector employed by iVDR cartridges to enable data interchange.

Together with ISO/IEC 24739-3 and a standard for volume and file structure, this International Standard enables full data interchange between data processing systems.

Figure 1 shows an external view of an iVDR cartridge.

Figure 1 — External view of iVDR cartridge

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60950-1, *Information technology equipment — Safety — Part 1: General requirements*

ISO/IEC 24739-3, *Information technology — AT Attachment with Packet Interface - 7 — Part 3: Serial Transport Protocols and Physical Interconnect (ATA/ATAPI-7 V3)*[1)]

1) Under preparation.