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Information technology – Small computer system interface (SCSI) – Part 362: Multimedia commands-2 (MMC-2)

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INFORMATION TECHNOLOGY – SMALL COMPUTER SYSTEM INTERFACE (SCSI) –

Part 362: Multimedia commands-2 (MMC-2)

FOREWORD

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International Standard ISO/IEC 14776-362 was prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology.

This International Standard has been approved by vote of the member bodies, and the voting results can be obtained from the address given on the title page.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

ISO/IEC 14776 consists of the following parts, under the general title *Information technology – Small computer system interface (SCSI)*:

- Part 112: Parallel interface-2 (SPI-2)
- Part 113: Parallel interface-3 (SPI-3)
- Part 115: Parallel interface-5 (SPI-5)
- Part 150: Serial attached SCSI (SAS)
- Part 222: Fibre channel protocol for SCSI, second version (FCP-2)
- Part 232: Serial bus protocol-2 (SBP-2)
- Part 321: Block commands (SBC)
- Part 322: Block commands-2 (SBC-2)
- Part 326: Stream commands (SSC)
- Part 341: Controller commands (SCC)
- Part 342: Controller commands-2 (SCC-2)
- Part 351: Medium changer commands (SMC)
- Part 362: Multimedia commands-2 (MMC-2)
- Part 381: Optical memory card device commands (OMC)
- Part 411: Architecture model commands (SAM)
- Part 412: Architecture model-2 (SAM-2)
- Part 452: Primary commands-2 (SPC-2)

INTRODUCTION

Requests for interpretation, suggestions for improvement and addenda or defect reports are welcome. They should be sent to IEC Central Office, see address on the title page.

INFORMATION TECHNOLOGY – SMALL COMPUTER SYSTEM INTERFACE (SCSI) –

Part 362: Multimedia commands-2 (MMC-2)

1 Scope

This part of ISO/IEC 14776 defines the SCSI command set extensions to access multimedia features for all classes of SCSI devices.

The commands specified within this standard define standard access and control of those features of the device that are used in multimedia applications.

The SPC command set and its extensions are transport independent and may be implemented across a wide variety of environments for which a SCSI command mapping and delivery vehicle has been defined. To date, these include Fibre Channel, SCSI Parallel Interface, High Performance Serial Bus, Serial Storage Architecture and ATA/ATAPI.

This command set gives and/or enables the following.

- a) A definition of the command formats and functions independently of delivery, protocol/signalling or transport mechanism. Architectural constraints regarding command functions, over the various transports are addressed in the document specific to the physical transport.
- b) Standardized access to common Features of SCSI devices employed in multimedia applications.
- c) System software/firmware independence across device classes. Thus, different tape drives, optical media drives and other devices can be added to the system without requiring modifications to generic system hardware and software. Provision is made for the addition of special Features and functions through the use of vendor-specific options. Reserved Opcodes are provided for future standardization.
- d) Provides compatibility such a way that properly conforming ISO/IEC 9316 devices may inter-operate with subsequent devices provided that the system engineering is correctly done. SCSI protocol extensions are designed to be permissive of rejections by conforming ISO/IEC 9316 devices and thus allow the ISO/IEC 9316 device to continue operation without requiring the use of the extension.

2 References

2.1 Normative references

2.1.0 General

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.

2.1.1 Approved references

The following approved international and regional standards (ISO, IEC, CEN/CENELEC and ITU-T) may be obtained from the international and regional organizations that control them.

IEC 60908, *Audio recording – Compact disc digital audio system*

ISO/IEC 646:1991, *Information technology – ISO 7-bit coded character set for information interchange*

ISO/IEC 14776-232, *Information technology – Small Computer System Interface (SCSI) – Part 232: Serial Bus Protocol-2 (SBP-2)* [NCITS.325:1998]

ISO/IEC 14776-321, *Information technology – Small Computer System Interface-3 (SCSI-3) – Part 321: Block commands (SBC)* [NCITS.306:1998]

ISO/IEC 10149, *Information technology – Data interchange on read-only 120 mm optical data discs (CD-ROM)*

ISO 3901, *Information and documentation – International Standard Recording Code (ISRC)*

2.1.2 References under development

At the time of publication, the following referenced standards were still under development. For information on the current status of the document, or regarding availability, contact the relevant standards body or other organization as indicated.

ISO/IEC 14776-351, *Information technology – Small Computer System Interface (SCSI) – Part 351: SCSI-3 Medium Changer Commands (SMC)* [X3T10/0999-D]

2.2 Other references

The following standards and specifications were also consulted.

ANSI INCITS 269-1996, *Information technology – SCSI-3 Fibre Channel protocol (FCP), (R2001)*

ANSI INCITS 301-1997, *Information technology – SCSI-3 Primary Commands (SPC), (R2002)*

ANSI INCITS 317-1998, *Information Technology – AT Attachment with Packet Interface Extension (ATA/ATAPI-4), (R2003)*