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Information technology –
Small computer system interface (SCSI) –

**Part 381:
Optical Memory Card Device Commands (OMC)**

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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.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

International Standard ISO/IEC 14776-381 was prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology.

International Standards are drafted in accordance with ISO/IEC Directives, Part 3.

INTRODUCTION

The SCSI-3 Optical Memory Card (OMC) command set specifies the commands for a device that declares itself as an optical memory card device in the device type field of the INQUIRY command. The OMC command set is specified independently of any service delivery subsystem, an underlying command-response protocol is assumed.

The optical memory card is a Write Once media in that a written area cannot be overwritten. Information stored on an optical memory card is non-volatile. The media is preformatted during manufacture and cannot be formatted by the user. The specification for the preformatted area is defined in ISO/IEC 11694, part 4. Data written to the optical memory card cannot be updated. Therefore the update commands are not defined for optical memory card devices.

This standard defines the device model for the optical memory card devices.

This standard is divided into six clauses:

Clause 1   is the scope.

Clause 2   lists the normative references that apply to this standard.

Clause 3   describes the definitions, symbols and abbreviations used in this standard.

Clause 4   describes models for optical memory card devices.

Clause 5   provides the definitions of all commands unique to optical memory card devices. This clause also provides references to the ISO/IEC 14776-311 SCSI-3 SPC standard for primary commands and the ISO/IEC 14776-321 SCSI-3 SBC standard for block commands used with optical memory card device class.

Clause 6   provides the definition of all parameters unique to optical memory card devices.

**INFORMATION TECHNOLOGY –
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1   Scope

This standard defines the command set extensions to facilitate operation of optical memory card devices. The clause(s) of this standard pertaining to optical memory card device class, implemented in conjunction with the applicable clauses of the ISO/IEC 14776-311 SCSI-3 Primary Commands (SPC) and the ISO/IEC 14776-321 SCSI-3 Block Commands (SBC), fully specify the standard command set for optical memory card devices.

2   Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 14776. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO/IEC 14776 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO/IEC 7810:1995, *Identification cards – Physical characteristics*

ISO/IEC 9316:1995, *Information technology – Small Computer System Interface-2*

ISO/IEC 11694-4:1996, *Identification cards – Optical memory cards – Linear recording method – Part 4: Logical data structures*

ISO/IEC CD 14776-311, *Information technology – Small Computer System Interface – Part 311: Primary Commands (SCSI-3 SPC)* [1]

ISO/IEC CD 14776-321, *Information technology – Small Computer System Interface – Part 321: Block Commands (SCSI-3 SBC)* [1]

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[1] Under consideration.