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INFORMATION TECHNOLOGY - Small Computer System Interface (SCSI) - Part 333: SCSI Stream Commands - 3 (SSC-3)

FOREWORD

1) ISO (International Organization for Standardization) and IEC (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. Their preparation is entrusted to technical committees; any ISO and IEC member body interested in the subject dealt with may participate in this preparatory work. International governmental and non-governmental organizations liaising with ISO and IEC also participate in this preparation.

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International Standard ISO/IEC 14776-333 was prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology.

A list of all currently available parts of the ISO/IEC 14776 series, under the general title *Information technology – Small computer system interface (SCSI),* can be found on the IEC web site.

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

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

For any information concerning Technical Committee T10 (SCSI Storage Interfaces), contact ANSI/INCITS (American National Standards Institute, http://www.ansi.org/).

INTRODUCTION

The SCSI Stream Commands - 3 (SSC-3) standard is divided into eight clauses:

Clause 1 is the scope.
Clause 2 enumerates the normative references that apply to this standard.
Clause 3 describes the definitions, acronyms, keywords, and conventions used in this standard.
Clause 4 describes an overview and model of the sequential-access type device.
Clause 5 describes the explicit address command set for sequential-access type devices.
Clause 6 describes the implicit address command set for sequential-access type devices.
Clause 7 describes the common command set for sequential-access type devices.
Clause 8 describes the parameters for sequential-access type devices.

The annexes provide information to assist with implementation of this standard.

INFORMATION TECHNOLOGY - Small Computer System Interface (SCSI) - Part 333: SCSI Stream Commands - 3 (SSC-3)

1 Scope

This part of ISO/IEC 14776 defines the command set extensions in order to facilitate operation of the sequential-access device type. This part of ISO/IEC 14776, implemented in conjunction with the requirements of the SCSI Architecture Model-4 (SAM-4) standard and the applicable clauses of the SCSI Primary Commands-4 (SPC-4) standard, fully specify the standard command set for the sequential-access device type.

This standard provides the following:

a) it permits an application client to communicate over a SCSI service delivery subsystem, with a logical unit that declares itself to be a sequential-access device in the PERIPHERAL DEVICE TYPE field of the standard INQUIRY data (see SPC-4);
b) it defines commands unique to the sequential-access device type; and
c) it defines commands in order to manage the operation of the sequential-access device type.

Figure 1 shows the relationship of this standard to the other standards and related projects in the SCSI family standards as of the publication of this standard.

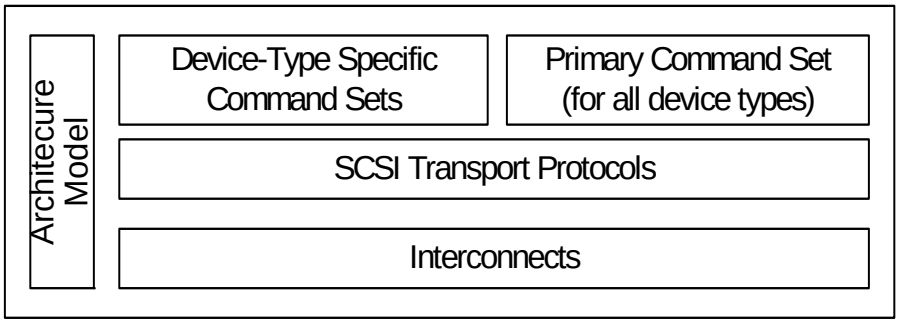

Figure 1 — SCSI document relationships

The roadmap in figure 1 is intended to show the general applicability of the documents to one another. The figure is not intended to imply a relationship such as a hierarchy, protocol stack, or system architecture. It specifies the applicability of a standard to the implementation of a given SCSI protocol.

This standard makes obsolete the following concepts from previous versions of this standard:

a) the GAP SIZE field;
b) RSMK and setmarks; and
c) Attached Media Changer model.

The term SCSI is used to refer to the family of standards described in this clause.

2 Normative references

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

ISO/IEC 14776-414, *Information technology – Small Computer System Interface (SCSI) – Part 414: Architecture model - 4 (SAM-4)*

ISO/IEC 14776-452, *Information technology – Small Computer System Interface (SCSI) – Part 452: Primary Commands - 2 (SPC-2)*

ANSI X9.63:2001, *Public Key Cryptography for the Financial Services Industry – Key Agreement and Key Transport Using Elliptic Curve Cryptography*

ANSI INCITS 382-2004, *Information technology – SCSI Media Changer Commands - 2 (SMC-2)*

ANSI INCITS 513-2004, *Information technology – SCSI Primary Commands - 4 (SPC-4)* [T10/1731-D]

RFC 3447, *Public-Key Cryptography Standards (PKCS) #1: RSA Cryptography Specifications Version 2.1*