American National Standard

INCITS/ISO/IEC 14776-153:2015 (2018)

(ISO/IEC 14776-153:2015, IDT)

Information technology - Small Computer System Interface (SCSI) - Part 153: Serial Attached SCSI - 2.1 (SAS-2.1)

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Adopted by INCITS (InterNational Committee for Information Technology Standards) as an American National Standard.

Date of ANSI Approval: 9/11/2018

Published by American National Standards Institute,
25 West 43rd Street, New York, New York 10036

Edition 1.0 2015-02

INTERNATIONAL STANDARD

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Information technology – Small computer system interface (SCSI) – Part 153: Serial attached SCSI - 2.1 (SAS-2.1)

ISO/IEC 14776-153:2015-02(en)

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Edition 1.0 2015-02

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ICS 35.200 ISBN 978-2-8322-2204-1

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INFORMATION TECHNOLOGY –

SMALL COMPUTER SYSTEM INTERFACE (SCSI) –

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The 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, as far as is practicable.

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INTRODUCTION

General

The SCSI family of standards provides for many different transport protocols that define the rules for exchanging information between different SCSI devices. This standard specifies the functional requirements for the Serial Attached SCSI (SAS) physical interconnect, which is compatible with the Serial ATA physical interconnect. The SAS Protocol Layer (SPL) standard documents the SAS protocol layer corresponding to the Serial Attached SCSI - 2.1 (SAS-2.1) and beyond, defining the rules for exchanging information between SCSI devices using a serial interconnect. Other SCSI transport protocol standards define the rules for exchanging information between SCSI devices using other interconnects.

SCSI standards family

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

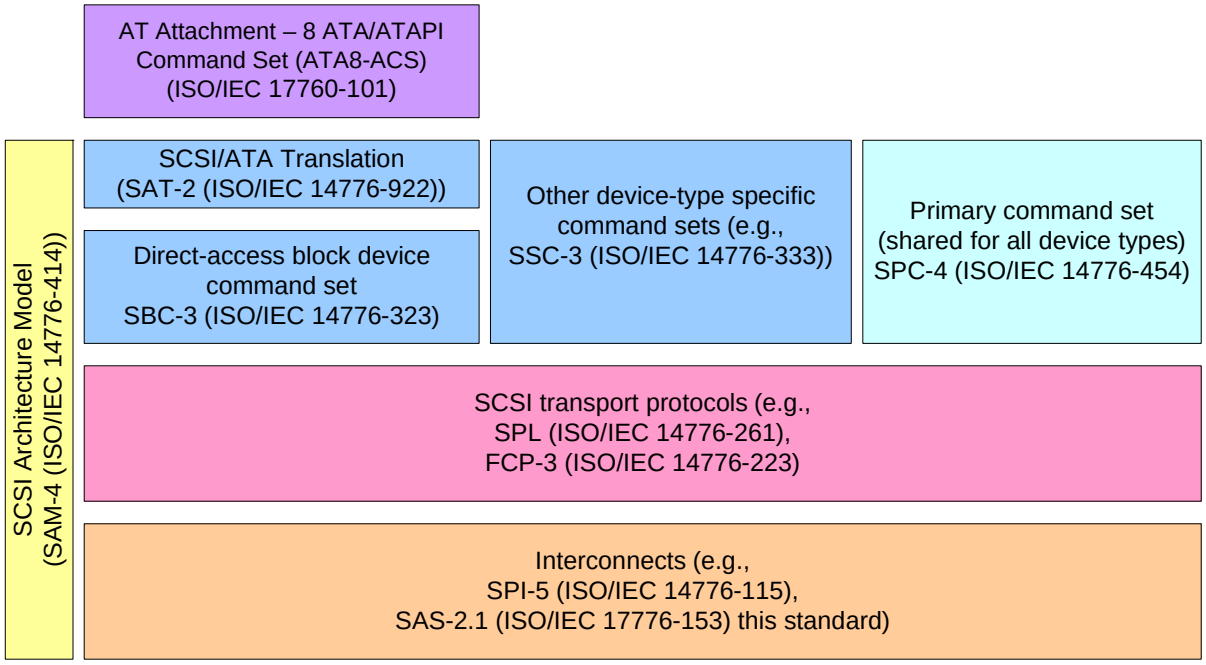

Figure 1 — SCSI document relationships

Figure 2 shows the relationship of this standard to other standards and related projects in the ATA family of standards.

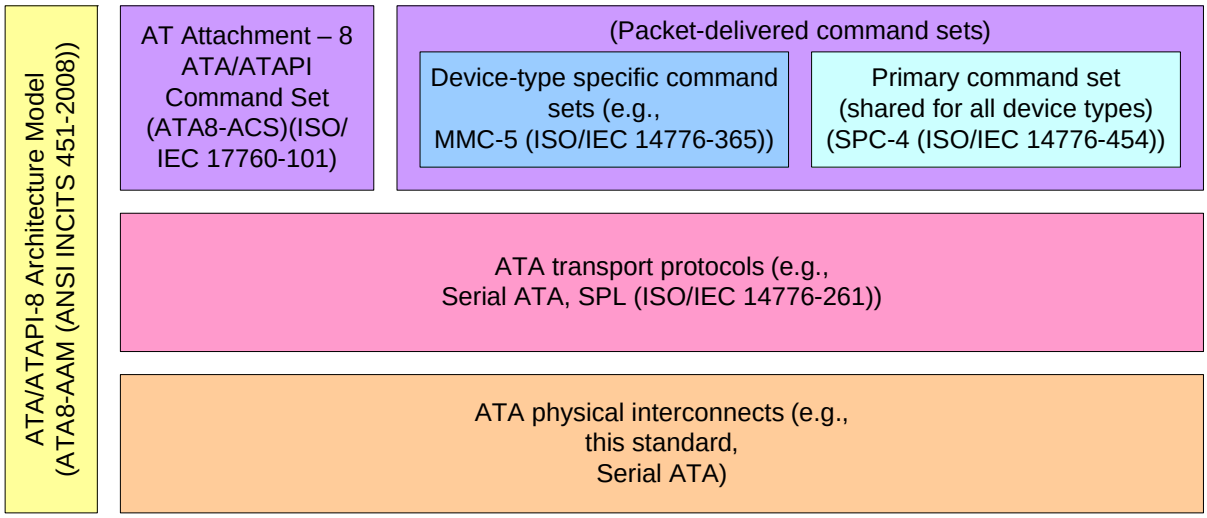

Figure 2 — ATA document relationships

Figure 1 and figure 2 show the general relationship of the documents to one another, and do not imply a relationship such as a hierarchy, protocol stack or system architecture.

These standards specify the interfaces, functions and operations necessary to ensure interoperability between conforming implementations. This standard is a functional description. Conforming implementations may employ any design technique that does not violate interoperability.