

**WORKING
DRAFT**

**X3T9.2
Project 375D**

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Information technology - Small Computer System Interface - 2

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ABSTRACT

The SCSI protocol is designed to provide an efficient peer-to-peer I/O bus with up to 16 devices, including one or more hosts. Data may be transferred asynchronously at rates that only depend on device implementation and cable length. Synchronous data transfers are supported at rates up to 10 mega-transfers per second. With the 32-bit wide data transfer option, data rates of up to 40 megabytes per second are possible.

SCSI-2 includes command sets for magnetic and optical disks, tapes, printers, processors, CD-ROMs, scanners, medium changers, and communications devices.

PATENT STATEMENT

The developers of this standard have requested that holder's of patents that may be required for the implementation of the standard, disclose such patents to the publisher. However neither the developers nor the publisher have undertaken a patent search in order to identify which if any patents may apply to this standard.

No position is taken with respect to the validity of any claim or any patent rights that may have been disclosed. Details of submitted statements may be obtained from the publisher concerning any statement of patents and willingness to grant a license under these rights on reasonable and nondiscriminatory terms and conditions to applicants desiring to obtain such a license.

Document Status

The following are the changes from revision 10k to 10l.

1. Page 3, clause 3, move the sentence beginning "For the purposes" after the title to subclause 3.1.
2. Pages 3 to 5, clause 3, definitions should not begin with phrases such as "This term refers to" etc.
3. Page 8, clause 5, remove the full stop after the clause number.
4. Page 8, subclause 5.2.1, line 1, replace "meters" with "m".
5. In the Introduction, item c) under the list of new low-level requirements should read: "The arbitration delay was increased from 2.2 to 2.4 us"
6. In 4.1 Overview, the last line of the fifth paragraph should read: "are contending and can be completed in less than 10 us."
7. In 8.3.3.2 Disconnect-reconnect page, there are three occurrences of 100 ms being substituted for 100 microsecond. These should all be changed to 100 us. The corrected lines should read: "The bus inactivity limit field indicates the maximum time in 100 us ...". "The disconnect time limit field indicates the minimum time in 100 us ...". "The connect time limit field indicates the maximum time in 100 us ..."
8. In 9.3.3.2 Flexible disk page, the paragraph describing the drive step rate should begin: "The drive step rate field specifies the step rate in units of 100 us."
9. In 12.2.2, paragraph 7, the reference is to Table 65, not 8.2.14.1.
10. The Foreword and Introduction clauses were modified to correctly reflect the ANSI/ISO style.
11. Updated the Vendor ID list in Annex E.

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ERRATA

The following errors have been reported. Due to the constraints of the standards process these errors cannot be corrected within the body of the document. The X3T9.2 committee plans to issue errata to correct these items.

1. An error exists in Table 161. The Head load bit pattern should be P011 not P000.

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