T10/02-421r0

Voting Results on T10 Letter Ballot 02-420r0 on
Forwarding SSM-2 to First Public Review
Ballot closed: 2002/11/25 12:00 noon MST

Organization	Name	S	Vote	Add'l Info
Adaptec, Inc.	Ron Roberts	P	Yes	
Amphenol Interconnect	Michael Wingard	P	Yes	
Andiamo Systems, Inc.	Claudio DeSanti	P	Yes	
BREA Technologies, Inc.	Bill Galloway	P	Abs	Cmnts
Brocade	Brian Forbes	P	Yes	
Cisco Systems, Inc.	David Peterson	P	Abs	Cmnts
Congruent Software, Inc.	Peter Johansson	P	Abs	Cmnts
Crossroads Systems, Inc.	Robert Griswold	P	Yes	
Dallas Semiconductor	James A. Lott, Jr.	P	Yes	
Dell Computer Corp.	Kevin Marks	P	Yes	
EMC	Gary S. Robinson	P	Yes	
Emulex	Robert H. Nixon	P	Abs	Cmnts
ENDL	Ralph O. Weber	P	Yes	
FCI	Douglas Wagner	P	Yes	
Fujitsu	Mike Fitzpatrick	P	Yes	
General Dynamics	Nathan Hastad	P	Yes	
Hewlett Packard Co.	William Ham	A	Yes	
Hitachi Cable Manchester	Zane Daggett	P	Yes	
Honda Connectors	Terry Enright	P	Yes	
IBM Corp.	George O. Penokie	P	Yes	
Intel Corp.	Cris Simpson	P	Yes	
KnowledgeTek, Inc.	Dennis Moore	P	Abs	Cmnts
LSI Logic Corp.	John Lohmeyer	P	No	Cmnts
Maxtor Corp.	Mark Evans	P	Yes	
Microsoft Corp.	Emily Hill	P	Yes	
Molex Inc.	Jay Neer	P	Yes	
Network Appliance Inc.	James R. (Bob) Davis	P	Yes	
Nishan Systems Inc.	Charles Monia	P	Yes	
Ophidian Designs	Edward A. Gardner	P	Abs	Cmnts
Panasonic Technologies, Inc	Terence J. Nelson	P	Yes	
Philips Electronics	William P. McFerrin	P	Yes	
QLogic Corp.	Skip Jones	P	Yes	
Quantum Corp.	Paul Entzel	P	Abs	Cmnts
Seagate Technology	A. Bruce Manildi	A	Yes	
Storage Technology Corp.	Dennis Appleyard	A	Yes	
Sun Microsystems, Inc.	Vit Novak	P	Yes	
Texas Instruments	Paul D. Aloisi	P	Yes	Cmnts
Toshiba	Hiroshi Suzuki	P	Yes	
TycoElectronics	Jie Fan	P	Yes	
UNISYS	Ron Mathews	P	Yes	
Veritas Software	Roger Cummings	P	Abs	Cmnts
Vixel Corp.	Kenneth Hirata	P	Yes	
Western Digital Corporation			DNV	

Ballot totals: (33:1:8:1=43)
 33 Yes
  1 No
  8 Abstain
  1 Organization(s) did not vote
 43 Total voting organizations
  6 Duplicate ballot(s) not counted
 10 Ballot(s) included comments

This 2/3rds majority ballot passed.
33 Yes are more than half the membership eligible to vote minus abstentions
   [greater than 17] AND
33 Yes are at least 23 (2/3rds of those voting, excluding abstentions [34]) AND
33 Yes are equal to or exceed a quorum [14]

Key:
P   Voter is principal member
A   Voter is alternate member
Abs   Abstain vote

DNV   Organization did not vote
Cmnts   Comments were included with ballot
NoCmnts No comments were included with a vote that requires comments

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Comments attached to Abs ballot from Bill Galloway of
BREA Technologies, Inc.:

Not materially affected by this proposal.

****

Comments attached to Abs ballot from David Peterson of
Cisco Systems, Inc.:

Standard is not relevant to my organization.

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Comments attached to Abs ballot from Peter Johansson of
Congruent Software, Inc.:

My abstention is for lack of technical expertise in the subject matter.

****

Comments attached to Abs ballot from Robert H. Nixon of
Emulex:

1) My organization is not materially affected by this issue.

****

Comments attached to Abs ballot from Dennis Moore of
KnowledgeTek, Inc.:

No material impact.

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Comments attached to No ballot from John Lohmeyer of
LSI Logic Corp.:

1. Global

Most occurrences of 'NCITS' should be replaced by 'INCITS'. Exception:

On page 2, http://www.techstreet.com/ncits.html is correct.

2. Global

All occurrences of SPI-X should be SPI-x.

3. Global

Replace all occurrences of 'must' with some other word or words. Usually,
'shall' or 'should'.

4. Global

There are numerous places where a specific vendor's product or part number
is referenced. ANSI allows this only if we add the phrase 'or equivalent'
to the product or part number.

5. Abstract; page iii

Delete 'T10' in last line of the abstract.

6. Table of Contents; page 3

Correct header alignment of 8.4.2 and 8.4.3.

7. Table of Contents; page 3

Delete extraneous '83'.

8. Table of Contents; page 4

Delete extraneous '85'.

9. 1.0 Scope; page 1

Delete 'T10' in T10 SCSI Parallel Interface (SPI-X) family of standards.

10. 3.0 Resources; pages 3-4

This clause should be converted into an informative annex. It should be
made clear that equivalent tools may be substituted. (Yes, I know that in
most cases there are no equivalent tools. See my comment #4.)

11. 4.1 Definitions; page 5

The text between 4.1 and 4.1.1 is known as a hanging reference and is
not permitted. Convert this text to 4.1.1 Precedence of definition authority
and renumber the remaining definitions.

12. 4.1 Definitions; page 5

You cannot reference a withdrawn standard (SPI).

Change
3) National Committee for Information Technology Standards standard
   X3.253:1995, SCSI-3 Parallel Interface
to
3) ANSI X3.302:1998, SCSI Parallel Interface - 2 (SPI-2)

Change the footnote 3 on the same page to reference ANSI (same as
footnote 1 on page 2)

13. 4.2 Acronyms; page 12.

Add:
SPI-x   The family of SCSI Parallel Interface - x (SPI-x) standards

14. 7.2.3 Model Name; page 50

The title of the sub clause should be 'Model name'. Only the first word is
capitalized.

15. 7.2.3 Model name; page 50

Add:
If this URL is no longer valid, contact INCITS (www.incits.org) for the
current URL.

16. Annex A; page 83

Mark this Annex informative.

17. Annex A; page 83

I am currently the person maintaining the SSM model database. There are
only two models each from two companies (a total of four) included in
this database. The URLs break frequently (especially those from my

company!).

Since this database is so sparse and the maintenance issues will become
untenable if more vendors actually participate, I think A.1 needs to
be re-written and A.2 and A.3 need to be deleted.

Should the SSM folks manage to convince me that the SSM model database
should remain, then the URL www.t10.org/ssm.htm needs to include a
disclaimer similar to the one in my comment #15.

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Comments attached to Abs ballot from Edward A. Gardner of
Ophidian Designs:

I have insufficient physical layer competence to evaluate the draft
standard.

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Comments attached to Abs ballot from Paul Entzel of
Quantum Corp.:

We do not have the technical expertise to judge this standard.

****

Comments attached to Yes ballot from Paul D. Aloisi of
Texas Instruments:

SSM-2 Letter ballot comments
Texas Instruments

1.
Editorial ? Table of contents has 83 before Annex A and 85 before Annex B

2.
Editorial ? Page 5 note 2 the I in INCITS is red

3.
Editorial - 4.1.44 ? the coma is red.

4.
Editorial ? 4.1.69 ? ro is red.

5.
Editorial ? 4.1.77 ? t he should be the

6.
Editorial ? 5.2.2.4 ? see 4.100 is red.

7. Editorial - 6.2.1.3.6 Clamp diode and pullup references - add are

Different voltage references for the clamp diodes than that are used for the
pullup or pulldown transistors within the device shall be determined.

8.
Editorial ? 6.2.3 4th paragraph, at is red.

9.
Editorial ? 6.2.4 has 1 or 2 extra carriage returns after the heading.

10.

Editorial ? 7.2.7.2 the X is red.

11.
Editorial ? 7.3.2.3.4 has extra carriage returns between the 3rd and 4th
paragraphs.

12.
Technical ? 7.3.2.3.7.2 and 7.3.2.3.7.3 there is a requirement for a 3mm
rigid
coax cable, I think this should be 3m not 3mm

13.
 Editorial ? 7.4.3.4.2 the W are red.

14.
Editorial ? 7.4.3.4.2.1 make the definition the same format on the 5th
sentence. The voltage range is for both 4- to 5,25V and 2,7 to 5,25V
terminators.

15.
Editorial ? 7.4.3.4.2.2 V is red.

16.
 Editorial ? 7.5 the probe tables use . instead of ,

17.
Editorial ? 7.5.4.2 0.1 pF should be 0,1 pF

18.
Editorial ? 8.4.2 Simulation does exist for the cut back drivers now, this
needs to be reworded.

Since SCSI driver IBIS models that will perform cutback do not exist, 160M
bytes per second operation will be used for this phase of the simulations.
IBIS now allows cutback drivers which can be used for SPI-4 simulations, but
were not available when this simulation was done.

19.
 Editorial ? 10.2.1 4th paragraph has a space missing between that and may.
And the 5th paragraph there is a space missing between right and most.

20.
Technical ? Table 17 the Ultra2 data line rate should be 20 MHz.

21.
Editorial ? 10.4 the comma should be black

22.
Editorial ? A.1 this technical report should be changed to this standard or
this document.

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Comments attached to Abs ballot from Roger Cummings of
Veritas Software:

Not within our organization's expertise

******************** End of Ballot Report ********************