Voting Results on X3T10 Letter Ballot 96-045r0 on
Forwarding SBC to First Public Review

Organization	Name	S	Vote	Add'l Info
Adaptec, Inc.	Norman H. Harris	P	Yes	Cmnts
Amdahl Corp.	Edward Fong	P	Yes	
AMP, Inc.	Charles Brill	P	Yes	
Ancot Corp.	Jan Dedek	P	Yes	
Apple Computer	Ron Roberts	A	Yes	
Berg Electronics	Douglas L. Wagner	P	Yes	
Ciprico Inc.	Gerry Johnsen	P	Yes	
Circuit Assembly Corp.	Ian Morrell	P	Yes	
CMD Technology	Edward Haske	P	Yes	
Congruent Software, Inc.	Peter Johansson	P	Yes	
Dallas Semiconductor	Louis Grantham	P	Yes	
Digital Equipment Corp.	Charles Monia	P	Yes	
Distributed Processing Tech.	Roger Cummings	P	Yes	
Eastman Kodak Co.	Robert Reisch	P	Yes	
ENDL	I D Allan	P	Yes	
Exabyte Corp.	Edward Lappin	P	Yes	
FSI Consulting Services			DNV	
Fujitsu Computer Products,Am	Robert Liu	P	Yes	
Hewlett Packard Co.	J. R. Sims, III	P	Yes	
Hitachi Cable Manchester,Inc	Zane Daggett	P	Yes	
Honda Connectors	Thomas J. Kulesza	P	Yes	
IBM Corp.	George Penokie	P	No	Cmnts
Iomega Corp.	Geoffrey L. Barton	P	Yes	
KnowledgeTek, Inc.	Dennis Moore	P	Yes	
Linfinity Micro	Dean Wallace	P	Yes	
Madison Cable Corp.	Robert A. Bellino	P	Yes	
Maxtor Corp.	Pete McLean	P	Yes	
Molex Inc.			DNV	
Oak Technology, Inc.	Robin Freeze	A	Yes	
Ophidian Designs	Edward A. Gardner	P	Yes	IV
Panasonic Technologies, Inc	Stephe F. Heil	P	Yes	
Philips Key Modules	Bill McFerrin	P	Yes	
QLogic Corp.	Skip Jones	P	Yes	
Quantum Corp.			DNV	
Seagate Technology	Gene Milligan	P	YesC	IV Cmnts DUP
Seagate Technology	James Whitworth	A	Yes	IV
Silicon Systems, Inc.	Dave Guss	P	Yes	
Sony Electronics, Inc.	Mike Yokoyama	P	Yes	
Storage Technology Corp.	Erich Oetting	P	Yes	
Sun Microsystems Computer Co	Robert Snively	P	Yes	
Symbios Logic Inc.	John Lohmeyer	P	Yes	
SyQuest Technology, Inc.	Patrick Mercer	P	Yes	
Tandem Computers	John Moy	P	Yes	
Toshiba America	Tokuyuki Totani	P	Yes	
UNISYS Corporation	Ken Hallam	P	Yes	
Unitrode Corporation	Paul Aloisi	P	Yes	Cmnts
Western Digital Corporation	Jeffrey L Williams	P	YesC	Cmnts
Woven Electronics	Doug Piper	P	Yes	

Key:
P   Voter indicated he/she is principal member
A   Voter indicated he/she is alternate member
0   Voter indicated he/she is observer member

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?       Voter indicated he/she is not member or does not know status
YesC    Yes with comments vote
Abs     Abstain vote
DNV     Organization did not vote
IV      Individual vote (not organizational vote)
Cmnts   Comments were included with ballot
NoCmnts No comments were included with a vote that requires comments
DUP     Duplicate ballot (last ballot received from org. is counted)
PSWD    The password was not correct (vote not counted)
ORG?    Organization is not voting member of X3T10 (vote not counted)
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Ballot totals:
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 43 Yes
  1 No
  0 Abstain
  3 Organization(s) did not vote
 47 Total voting organizations
  1 Duplicate ballot(s) not counted
  4 Ballot(s) included comments
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This 2/3rds majority ballot passed.

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Comments attached to Yes ballot from Norman H. Harris of
Adaptec, Inc.:

Merry Christmas!

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Comments attached to No ballot from George Penokie of
IBM Corp.:

(E)=Editorial (T)=Technical (G)=General editorial comment that applies
to entire standard.

These comment are on rev 7 of SBC using a copy printed out using
Acrobat. I am not sure if some of the errors are due to the Acrobat
printout or if they are real. I will give the editor my marked up copy
so it can be checked against the native format.

1-(E) page ii - The box around the cautions does not enclose the entire
last paragraph.

2-(E) page 2 - The list of physical interconnects contains the 'SCSI
Parallel Interface -2' in it. It should be 'SCSI-3 Parallel Interface
-2'.

3-(E) page 2 - section 2 - This section should be changed to the same
structure as in 96-241r1.

4-(E) page 3 - 3.1.1.1 - This definition is in the wrong place. It is in
the 'A' spot and should be in the 'S' spot.

5-(E) page 3 - 3.1.1.1 - This definition should be changed to the same
definition as for SCSI-3 storage array in the SCC standard. And the last

sentence should be changed from 'into a redundancy group.' to 'various objects (e.g., redundancy groups, volume sets, etc.).'

6-(E) page 4 - 3.1.1.14 - The reference '(see x3.276' should be changed to '(see SCC)'.

7-(E) page 6 - 3.4 - a) - The sentence should be change from 'commands, fields, and' to 'commands, and'. Fields are defined in c).

8-(E) page 6 - 3.4 - c) - The 'CAPS' in the sentences is half small caps and half really small caps.

9-(G) Many places throughout the standard the fields and bits have not been changed from normal caps to small caps. I have marked all cases in my copy of SBC.

10-(G) Many places throughout the standard the mode page names are either small caps or capitalized. Mode page names should not be small caps or capitalized. I have marked all cases in my coy of SBC.

11-(G) The sleep condition, standby condition, idle condition, and active condition should not be capitalized.

12-(T) page 10 - figure 3 - a) - The sentence 'Path 1: An idle time out or a START STOP UNIT command with a power condition code of 2h.' should be changed to 'Path 1: A START STOP UNIT command with a power condition code of 2h.'.

13-(E) page 15 - 5.1.14.2 - The second to the last sentence states 'As a result, the SEEK command often...'. Does the SEEK here refer to SEEK(6) or SEEK(10) or both?

14-(E) page 16 - 5.1.15 - The first sentence states 'storage devices into a redundancy group.' it should be changed to 'storage devices into objects. The type of object used by this model is the redundancy group.'.

15-(E) page 23 - 5.1.15.4.3.1 - There is a hard carriage return in the last sentence of the first paragraph after the 'command,'.

16-(E) page 24 - 5.1.15.4.3.1.2 - Note 1: - Every line in this note seems to be centered rather justified.

17-(E) page 24 - 5.1.15.4.4 - The messages target reset, clear task set, abort task and abort task set should be all caps.

18-(E) page 28 - 6.1 - table 1 - The table boundary overflows onto page 29.

19-(G) Some of the bit names are capitalized (example on page 37 - Security Initialize should be security initialize.) and they should not be. I have marked all cases in my copy of SBC.

20-(E) page 37 - table 11 - The table boundary chops off two sentences on the right side.

21-(E) page 37 - 6.1.1.2 - paragraph above table 11 - The first sentence states 'need not rewrite (format)' should be 'need not rewrite the

(format)'.

22-(G) - In many places in the document the following sentence occurs: 'See 6.1.2 for a definition of the RELADR bit and the LOGICAL BLOCK ADDRESS field.' this is not correct. The sentence should read 'See 6.1.2 for a definition of the RELADR bit and see 6.1.4 for a definition of the LOGICAL BLOCK ADDRESS field.' I have marked all cases in my copy of the standard.

23-(E) - page 39 - 6.1.3 - last three paragraphs - The link bit should be small caps.

24-(E) - page 44 - 6.1.7 - note 9 - The sentence '..that sensibly defines the meaning..' should be '...that defines the meaning...'

25-(E) - page 45 - 6.1.8 - the second to the last paragraph starts with '11Any other' this should be changed to 'Any other'.

26-(E) - page 47 - 6.1.9 - paragraph before note 13 - Field in INFORMATION FIELD should not be small caps or caps.

27-(E) - page 47-54 - 6.1.10-6.1.12 - There are several page breaks in places where there should be no page breaks.

28-(E) - page 55 - 6.1.13 - In the first paragraph after table 29 the 4th sentence has two periods.

29-(E) - page 63 - 6.1.21 - There is not definition of the zero value for the PBDATA and LBDATA bits.

30-(E) - page 28, 29, 68, 69, 83, and 84 - table notes - All the sentences that contain 'Optional ... if implemented shall...' should be changed to '... if implemented shall...'.

31-(E) - page 69 - table 44 - This table overflows onto the next page. This should be fixed.

32-(E) - page 74 - table 49 - The Allocation length has an extra space between the lls in allocation.

33-(E) - page 89 - 7.1.2 - In the first paragraph Logging Operations should not be capitalized.

34-(E) - page 93 - table 75 - In the title of the table 'Write' should not be capitalized.

35-(E) - page 104 - figure 4 - This figure (at least in my printout) needs some formatting work.

36-(E) - page 111 - b) after table 91 - The term 'Task' should not be capitalized.

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Comments attached to DUPLICATE YesC ballot from Gene Milligan of

Seagate Technology:

1) The scope has a typo "The term SCSI-3 in this standard refers to versions of defined since SCSI-2." This should be "The term SCSI-3 in this standard refers to versions of SCSI defined since SCSI-2."

2) The flexible disk page parameters for control and reporting of flexible disk device parameters in SCSI-2 and SBC failed to define Pin 2. I suggest adding a definition that the use of the Pin 2 field is vendor specific.

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Comments attached to Yes ballot from Paul Aloisi of
Unitrode Corporation:

Yes

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Comments attached to YesC ballot from Jeffrey L Williams of
Western Digital Corporation:

Western Digital requests that the Read Defect Data (12) command, described in the optical section, be added to the direct access block command set as an optional command. We feel this is required as devices get larger and the potential size of the defect lists grow to over 64 KBytes (8K entries on the list).

We also feel that this is an editorial issue since the Standard does not prevent us from supporting the command as it is defined today.

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