

Voting Results on X3T10 Letter Ballot 96-047r0 on  
Forwarding SSA-TL2 to first public review

Organization	Name	S	Vote	Add'l	Info
Adaptec, Inc.	Lawrence J. Lamers	A	Yes		
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	IV	
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		
Fujitsu Computer Products, Am	Robert Liu	P	Yes		
Hewlett Packard Co.	J. R. Sims	P	Yes		
Hitachi Cable Manchester, Inc	Zane Daggett	P	Yes		
Honda Connectors	Thomas J. Kulesza	P	Yes		
IBM Corp.	John P. Scheible	A	YesC	Cmmts	
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.	Joe Dambach	P	Yes		
Oak Technology, Inc.			DNV		
Ophidian Designs	Edward A. Gardner	P	No	IV	Cmmts
Panasonic Technologies, Inc	Stephen F. Heil	P	Yes		
Philips Key Modules	Bill McFerrin	P	Yes		
QLogic Corp.	Skip Jones	P	Yes		
Quantum Corp.	Jim McGrath	P	Yes		
Seagate Technology	Gene Milligan	P	No	IV	Cmmts
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	Bob 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	Kenneth J. Hallam	P	Yes		
Unitrode Corporation	Paul Aloisi	P	Yes		
Western Digital Corporation	Jeffrey L. Williams	P	Yes		
Woven Electronics	Doug Piper	P	Yes		

Key:

P Voter indicated he/she is principal member  
A Voter indicated he/she is alternate member  
O Voter indicated he/she is observer member  
? 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)

**Ballot totals:**

43 Yes  
 2 No  
 0 Abstain  
 1 Organization(s) did not vote  
 46 Total voting organizations  
 3 Ballot(s) included comments

This 2/3rds majority ballot passed.

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Comments attached to YesC ballot from John P. Scheible of IBM Corp.:

I consider all comments editorial (E) except for 9, 18, 19, and 20.

- 1) (E) Global:  
Change "(( " to "[(" and ")]" to" ))". Also "(s.)" to "(s)]."
- 2) (E) Global:  
Change "<any letter>( "to "<any letter> (" to add a space.
- 3) (E) Table of contents:  
Change heading from "Table" to "Tables" (plural).
- 4) (E) Table of contents:  
Table numbers for 41-60 should be bold.
- 5) (E) Intorduction:  
Change "Clause 4 contains" to "Clause 4 defines" for consistency.
- 6) (E) 3. 2:  
Add abbreviation OUI (Organizationally Unique Identifier).
- 7) (E) 4, last paragraph:  
Change "Figures and tables (highest) take precedence over text (lowest)." to "In case of conflict, figures take precedence over tables and both figures and tables take precedence over text."
- 8) (E) end of 6. 2, end of 7. 2. 7, end of 7. 2. 8:  
Change "(see 0)" to "(see 9. 5)".
- 9) (T) 9. 3, paragraph after psuedocode:  
Change "Channels 0- 127 are addressed one byte. Channels 129-16 383." to "Channels 0 - 127 are addressed one byte. Channels 128 - 16 383." (128 was left out).
- 10) (E) 10. 2. 3, fifth para, end first sentence:  
Change ".)." to ")."
- 11) (E) Table 20, first column:  
Change small caps to all caps (values, not field names).  
names).

- 12) (E) 10.3:  
Add semicolon to d) first list,  
Add period to e) of second list.
- 13) (E) 10.4.1, bullet c):  
Change "Ready State" to "Ready state" (lower case "S").
- 14) (E) 10.6:  
Change TL2 to SSA-TL2 (global).
- 15) (E) 11.1.3, element h):  
Change "mod" to "modulo" (two places) to match I).
- 16) (E) Table 29, sixth row from end:  
Should not be bold.
- 17) (E) Table 32, bottom of byte 12:  
Should be solid line, not dotted.
- 18) (T) Table 37, version 00h:  
Change "SSA-TL1 implementations before standardization" to  
"Implementations prior to standardization." Since version 00h is not  
SSA-TL1.
- 19) (T) Table 37, version 04h:  
Change "SSA-IA/96PH" to either "reserved" or "SSA-IA/97PH" depending  
on whether the SSA-IA plans to document this version. Confusion  
will occur since someone may try to obtain the non-existent document.
- 20) (T) 12.2.7, SSA-TL paragraph:  
Correct name, add "if possible" and add examples, by changing:  
"The SSA-TL field defined in Table 37 identifies the version of SSA-TL  
being  
used by the sender. If multiple levels of SSA-TL are supported, then  
highest value shall be reported that is equal to or less than the SSA-TL  
field in the associated QUERY NODE SMS."  
to:  
"The SSA-TL VERSION field defined in Table 37 identifies the version of  
SSA-TL  
being used by the sender. If multiple levels of SSA-TL are supported  
and  
any are numerically less than the SSA-TL VERSION field of the QUERY NODE  
SMS,  
then highest value shall be reported in the QUERY NODE REPLY SMS that is  
equal to or less than the SSA-TL VERSION field in the associated QUERY  
NODE  
SMS. The following are examples:  
a) An SSA-TL1/SSA-TL2 Configurator sends a QUERY NODE SMS indicating an  
SSA-TL  
version of SSA-TL2. An SSA-TL1 only node responds with a QUERY NODE  
REPLY SMS indicating SSA-TL1. The Configurator now knows to use SSA-TL1  
to  
communicate with the node.  
b) An SSA-TL1/SSA-TL2 Configurator sends a QUERY NODE SMS indicating an  
SSA-TL  
version of SSA-TL2. An SSA-TL1/SSA-TL2 or SSA-TL2 only node responds  
with a QUERY NODE REPLY SMS indicating SSA-TL2. The Configurator now  
knows  
to use SSA-TL2 to communicate with the node.  
c) An SSA-TL1 only Configurator sends a QUERY NODE SMS indicating an  
SSA-TL

version of SSA-TL1. An SSA-TL1/SSA-TL2 node responds with a QUERY  
NODE  
REPLY SMS indicating SSA-TL1. The Configurator now knows to use SSA-TL1  
to  
communicate with the node.

d) An SSA-TL1 only Configurator sends a QUERY NODE SMS indicating an  
SSA-TL  
version of SSA-TL1. An SSA-TL2 only node responds with a QUERY NODE  
REPLY SMS indicating SSA-TL2. The Configurator now knows it cannot  
communicate with the node, and does not register with it.

21) (E) 12.2.7, LONG bit paragraph:  
Remove the extraneous " (".

22) (E) Table 53:  
Blank rows between byte 3 and 4 should be removed.

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Comments attached to No ballot from Edward A. Gardner of  
Ophidian Designs:

I am uncomfortable with VLSI's negative vote remaining unresolved. I would  
like to see X3T10.1 respond to that vote and comment before forwarding this  
for review.

If X3T10.1 has already responded to VLSI's vote, please refer me to the  
relevant document and I will amend my vote.

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Comments attached to No ballot from Gene Milligan of  
Seagate Technology:

1) The ballot does not show what the response was to the X3T10.1 "NO"  
ballot.

2) The ballot does not indicate why Rev 4 is being forwarded when X3T10.1  
ballotted to forward Rev 3.

3) The draft should have an editorial review checking at least for the  
appropriate use of key words (e.g. this drafts contains at least three musts  
and fifteen cans.

4) If someone impliments SSA-TL2 and an appropriate selection of the other  
SSA drafts will they be interoperable with the defacto installed base of SSA  
subsystems? (This is a question and not the basis for the NO - see comments  
1-3.)

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