

To: Membership of X3T10

From: William Dallas, CAM Technical Editor
Ralph Weber, Secretary X3T10

Subject: Minutes of Serial Issues Study Group
July 15, 1996 -- Colorado Springs, CO

Agenda

1. Opening Remarks
 2. Attendance and Membership
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 - 5.2 Ordering of SCSI tasks by a Logical Unit
 - 5.3 Certain address sensitive SCSI commands don't work on some serial channels
 6. Review of Action Items
 7. Future Meeting Schedule (if any)
 8. Adjournment
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Results of Meeting

1. Opening Remarks

William Dallas called the meeting to order at 2:00 p.m., Monday July 15, 1996. He thanked Symbios Logic for hosting the meeting.

As is customary, the people attending introduced themselves and a copy of the attendance list was circulated.

2. Attendance and Membership

Attendance at working group meetings does not count toward minimum attendance requirements for X3T10 membership. Working group meetings are open to any person or organization directly and materially affected by X3T10's scope of work. The following people attended the meeting:

*Operating under the procedures of The American National Standards Institute.
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Name	S	Organization	Electronic Mail Address
Mr. Norm Harris	P	Adaptec, Inc.	nharris@eng.adaptec.com
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Mr. Peter Johansson	P	Congruent Software, Inc.	pjohansson@aol.com
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Mr. William Martin	A#	Hewlett Packard Co.	kc@core.rose.hp.com
Mr. Mike Wenzel	V	Hewlett Packard Co.	mw@corp.rose.hp.com
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Mr. Edward A. Gardner	P	Ophidian Designs	gardner@acm.org
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Mr. Erich Oetting	P	Storage Technology Corp.	Erich_Oetting@Stortek.com
Mr. Robert N. Snively	P	Sun Microsystems Computer Co	bob.snively@eng.sun.com
Mr. Rod DeKoning	A	Symbios Logic Inc.	rod.dekoning@symbios.com
Mr. Ralph O. Weber	A#	Symbios Logic Inc.	roweber@acm.org

18 People Present

Status Key: P - Principal
 A,A# - Alternate
 O - Observer
 L - Liaison
 V - Visitor

3. Approval of Agenda

The agenda was approved with the following deletions:

4 Call for Patents

4. Document Distribution

Mike Wenzel announced the following electronic sources of information about software device support in a serial environment.

There is a reflector at: serial_concerns@zk3.dec.com. The reflector is managed by majordomo.

There is a www site at <http://tachyon.rose.hp.com/serial>.

5. Issues for discussion

5.1 Device Identification Issues

Bill Dallas and Mike Wenzel introduced the concern over how to uniquely identify a device, independent of how the device is accessed. They provided some historical perspective on the issue (and all the issues to be discussed at the meeting).

The basic requirement is for a globally unique identifier. The details of the globally unique identifier, what entity (or entities) is identified, how the identifier is retrieved, how many different identifiers are needed in one device, and several other issues were discussed at length.

The group agreed that a proposal for changes in SPC should be written. The proposal should include the addition of an identifier type code in the device identification VPD page for port unique ID. The proposal also should include new SPC wording saying that if a protocol requires unique IDs then support for the device identification VPD page is mandatory.

5.2 Ordering of SCSI tasks by a Logical Unit

Charles presented a question about the ordering properties of the several SCSI transports. After a brief discussion, most of those present agreed that the standards community is composed of two basic camps; those that require ordering and those that have no use for ordering.

Charles was looking for a consensus on a single model. What followed was a lengthy discussion, with vain attempts at proselytizing on both sides. The result of the discussion was completely inconclusive.

5.3 Certain address sensitive SCSI commands don't work on some serial channels

After a brief discussion, the group agreed to propose that RESERVE(6) and RELEASE(6) be made obsolete and that RESERVE(10) and RELEASE(10) be made mandatory. Concerns were raised regarding the copy family of commands. However, it was noted that the addressing fields were expanded in the copy commands a long time ago.

6. Review of Action Items

Rod DeKoning will write a proposal describing the globally unique ID change, discussed SPC changes above.

Bill Dallas will write a proposal to make RESERVE(6) and RELEASE(6) obsolete and make RESERVE(10) and RELEASE(10) mandatory.

7. Future Meeting Schedule (if any)

The group agreed schedule a teleconference meeting before the September X3T10 meeting week and a study group meeting during the September X3T10 meeting week.

8. Adjournment

The meeting was adjourned at 6:15 p.m. on Monday July 15, 1996.