



Technical Working Group

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Reply to: aloisi@unitrode.com

To: Membership of STA
From: Paul D. Aloisi and John Lohmeyer
Subject: Minutes of SCSI Harbor Meeting
July 16, 1998 – Portland, ME

Agenda

1. Opening Remarks and Introductions
2. Approval of Agenda
3. Attendance and Membership
4. Approval of Minutes
5. Document Distribution
6. Review of Old Action Items
7. Document Review [Benjie Sun] (98s004r2)
8. Old Business
 - 8.1 Testing Strategy [Ham]
 - 8.2 Super Multimode Interface [Bill Ham]
 - 8.3 Symbios Patent Statement [Bailey] (98s006r0)
9. New Business
 - 9.1 Xyratex Dock and Wrapper Demo
10. Review of Action Items
11. Meeting Schedule
12. Adjournment

Results of Meeting

1. Opening Remarks and Introductions

Paul Aloisi opened the meeting at 2:00 pm. He thanked Digital/Compaq for hosting the meeting. As is customary, the people present introduced themselves. An attendance sheet was circulated.

The voting rules for participants in STA Tech meetings are contained in 97s109r0.

2. Approval of Agenda

The agenda was approved as written a minor change to the title of item 8.2.

3. Attendance and Membership

The following people attended the meeting:

Name	Organization	Electronic Mail Address
Mr. Lawrence J. Lamers	Adaptec, Inc.	ljlammers@ix.netcom.com
Mr. Michael Wingard	Amphenol Interconnect Prod.	mikwingard@aol.com
Dr. William Ham	Compaq Computer Corp.	bill_ham@ix.netcom.com
Mr. Keshava Srivastava	Compaq Computer Corp.	kershava.srivastava@digital.com
Mr. Roger Cummings	DPT	cummings_roger@dpt.com
Mr. I. Dal Allan	ENDL	dal_allan@mcimail.com
Mr. Dan Colegrove	IBM Corp.	colegrove@us.ibm.com
Mr. Jay Neer	Molex Inc.	jneer@molex.com
Mr. Patrick McGarrah	Quantum Corp.	pmcgarra@tdh.qntm.com
Mr. Alvin Cox	Seagate Technology	alvin_cox@notes.seagate.com
Mr. Gene Milligan	Seagate Technology	Gene_Milligan@notes.seagate.com
Mr. Benjie Sun	Silicon Graphics	bsun@enr.sgi.com
Mr. Bob Snively	Sun Microsystems	bob.snively@sun.com
Mr. John Lohmeyer	Symbios, Inc.	lohmeier@ix.netcom.com
Mr. Kenneth J. Hallam	UNISYS Corporation	ken.hallam@unisis.com
Mr. Paul D. Aloisi	Unitrode Corporation	aloisi@unitrode.com
Mr. Doug Piper	Woven Electronics	doug.piper@internetmci.com
Mr. Roger Nixon	Xyratex Storage Solutions	roger_nixon@compuserve.com

18 People Present

4. Approval of Minutes

The minutes of the last meeting (see 98s005r0) were approved as written.

5. Document Distribution

All SCSI Harbor documents are available at the ftp and web sites:

<ftp://ftp/scsita.org/pub/harbor>

<http://www.scsita.org/harbor>

Documents will be put on these sites in PDF format. Additionally, the meeting minutes will be distributed on the Harbor reflector (harbor@scsita.org). To be added to the Harbor Reflector, please send an email to info@scsita.org. In the email, please mention that you wish to be added to the Harbor reflector and include your full contact information (organization, address, phone, fax, and email).

6. Review of Old Action Items

- 14) Dal Allan will provide the content for section 1.4 (Related Documents). *Complete.*
- 15) Benjie Sun will provide the content for section 2.3 (Mechanical Insertion & Removal Sequence). *Complete.*
- 16) Tom Winsemius will provide the content for sections 2.6 (EMI), 2.10 (Shock and Vibration), 2.11 (Thermal Management) and 6.0 (Handling, ref IDEMA). *Carry over.*
- 17) Bill Ham will provide the content for sections 2.7 (ESD Management) and 5.0 Hot Plugging. *Complete.*

7. Document Review [Benjie Sun] (98s004r2)

Benjie Sun lead a page-by-page review of SCSI Harbor specification, revision 2.

Fitting 10 wrappers in a 19-inch rack is going to be difficult. It is still a goal, but it will be difficult to achieve.

The wrapper to drive attachment will be shown as a reference, but any mounting scheme that does not go outside the wrapper envelope will be permitted.

It was noted that the wrapper must be oriented so that the anti-rotational vibration leaf spring is not on the bottom, supporting the wrapper. Otherwise the wrapper could experience excessive vibration.

The wrapper should allow for a locking mechanism, but not add any cost for those who do not need a lock. All of the locking cost should be part of the dock.

8. Old Business

8.1 Testing Strategy [Ham]

Quantum plans to build prototype wrappers. We still need to get volunteer(s) to build prototype docks.

8.2 Super Multimode Interface [Bill Ham]

Bill Ham noted that the SCSI Harbor wrapper could be used with his 'Super Multimode' pin assignments to support a SCSI / Fibre Channel disk drive.

8.3 Symbios Patent Statement [Bailey] (98s006r0)

The Symbios Patent position is on the SCSI Harbor web site.

9. New Business

9.1 Xyratex Dock and Wrapper Demo

Roger Nixon demonstrated a Xyratex Storage Solutions dock and wrapper design. Only one plastic part is need for both the wrapper and the blank slots.

10. Review of Action Items

- 16) Tom Winsemius will provide the content for sections 2.6 (EMI), 2.10 (Shock and Vibration), 2.11 (Thermal Management) and 6.0 (Handling, ref IDEMA). *Carry over.*
- 18) Pat McGarrah will get someone to help Benjie write the Wrapper to Connector specifications.
- 19) Pat McGarrah will edit sections 1.1 through 1.3.

11. Meeting Schedule

The next SCSI Harbor meeting will be on Thursday, September 17, 1998 beginning 1/2 hour after the T10 plenary meeting, but no earlier than 2:00 pm in St. Petersburg Beach, FL at the Tradewinds Hotel (see 98s008r0.pdf on the Harbor Web site).

12. Adjournment

The meeting was adjourned at 5:20 pm on Thursday, July 16, 1998.