



**Technical Working Group**

**Doc. No.:** STA/99s012r0  
**Date:** May 6, 1999  
**Reply to:** lohmeier@ix.netcom.com

To: Membership of STA  
From: John Lohmeyer  
Subject: Minutes of SCSI Harbor Meeting  
May 6, 1999 – Manchester, NH

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**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] (98s004r5)
8. Old Business
9. New Business
10. Review of Action Items
11. Meeting Schedule
12. Adjournment

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**Results of Meeting**

**1. Opening Remarks and Introductions**

Paul Aloisi opened the meeting at 2:30 pm. He thanked Zane Daggett of Hitachi Cable Manchester 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.

## 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. Bill Mable	Amplenol Interconnect	bmable@spectra.net
Mr. Gregg Neely	Andataco	greggn@andataco.com
Mr. Michael Grant	Ciprico Inc.	mgrant@ciprico.com
Mr. Dennis Lang	Circuit Assembly Corp.	dennisl@ca-online.com
Mr. Paul Remley	Fujitsu (FCPA)	premley@fcpa.fujitsu.com
Mr. Dan Colegrove	IBM Corp.	colegrove@us.ibm.com
Mr. George Penokie	IBM Corp.	gop@us.ibm.com
Mr. John Lohmeyer	LSI Logic Corp.	lohmeier@ix.netcom.com
Mr. Jay Neer	Molex Inc.	jneer@molex.com
Mr. Charles DeJesus	Quantum Corp.	charles.dejesus@qntm.com
Mr. Patrick McGarrah	Quantum Corp.	pmcgarra@tdh.qntm.com
Mr. Alvin Cox	Seagate Technology	alvin_cox@notes.seagate.com
Mr. Benjie Sun	Silicon Graphics	bsun@enr.sgi.com
Mr. Bob Snively	Sun Microsystems	bob.snively@sun.com
Mr. Paul D. Aloisi	Unitrode Corporation	aloisi@unitrode.com

16 People Present

## 4. Approval of Minutes

The minutes of the last meeting (see 99s005r1) 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

- 1) Tom Winsemius will complete the open issues in sections 2.6 (EMI). *Carry over.*
- 2) Pat McGarrah will edit sections 1.1 through 1.3. *Pat asked that this item be dropped.*
- 3) The other drive vendors will do thermal testing present results and anticipated future needs. *Replace 'other driver vendors' with 'SGI or Fujitsu'.*
- 4) An SCA-2 backplane is needed for testing the shock and vibration. [Jay Neer - Dean Wallace]. *Jay will get a date for this item.*
- 5) SGI, Intel, and each drive vendor will build prototypes (both 10-inch and 1.6-inch) for testing. *Complete.*
- 6) Each drive vendor to provide SGI and Intel a total of 40 1.0-inch and 30 1.6-inch drives for testing. *Carry over.*
- 7) Drive vendors will provide testing procedure feedback to Benjie Sun, Tom Irvine, and Robin Steinbrecker. *Complete--to be forwarded to John for posting.*

- 8) Drive vendors will schedule testing time. *Overcome by events.*
- 9) John Bauer will provide cabled SCA-2 connector assemblies to Benjie. *Complete.*

## 7. Document Review [Benjie Sun] (98s004r5)

Benjie presented 99s010r0, which contains the current SCSI Harbor status. Benjie also presented 99s011r0, which contains the current SCSI Harbor schedule.

Benjie said that we may have to go beyond 3 u (3 times 1.75") in height in order to get sufficient stiffening. Pat McGarrah expressed concerns that the drive vendors had given up a lot to achieve the target form factor and if we have to exceed it, then the whole subject should be re-addressed.

## 8. Old Business

None.

## 9. New Business

Charles DeJesus presented 99s014r0, which makes recommendations on vibration testing. Charles also presented 99s015r0, Wrapper Casting Detail Drawing.

## 10. Review of Action Items

- 1) Tom Winsemius will complete the open issues in sections 2.6 (EMI).
- 2) SGI or Fujitsu will do thermal testing and present results plus anticipated future needs..
- 3) Jay Neer will provide a date when an SCA-2 backplane will be available for shock and vibration testing.
- 4) Each drive vendor to provide SGI and Intel a total of 40 1.0-inch and 30 1.6-inch drives for testing 68-pin drives for thermal test will be provided to Mark Olsen and 80-pin drives for vibration test will be provided Tom Irvine.
- 5) Paul Remley (Fujitsu) will provide Benjie with thermal and vibration contact information for his company. He will also provide NDA information to Tom Irvine and Benjie Sun.
- 6) Alvin Cox (Seagate) will provide Benjie with thermal and vibration contact information for his company. He will also provide NDA information to Tom Irvine and Benjie Sun.
- 7) Charles DeJesus (Quantum) will provide Benjie with thermal and vibration contact information for his company. He will also provide NDA information to Tom Irvine and Benjie Sun.
- 8) Jeff Williams (Western Digital) will provide Benjie with thermal and vibration contact information for his company. He will also provide NDA information to Tom Irvine and Benjie Sun.
- 9) Tom Winsemius (IBM) will provide Benjie with thermal and vibration contact information for his company. He will also provide NDA information to Tom Irvine and Benjie Sun.
- 10) Charles DeJesus will send John Lohmeyer the 99s014r0 and 99s015r0 documents for posting on the ftp/web site.

Note: Contact information is:

Mark Olsen  
SGI  
1050 Lowater Road  
Chippewa Falls, WI 54729

Tom Irvine  
2506 S. Kachina Circle  
Tempe, AZ 85282  
(602) 814-6156

## **11. Meeting Schedule**

The next SCSl Harbor meeting will be on Thursday, July 15, 1999 beginning 1/2 hour after the T10 meeting, but no sooner than 2:30 p.m. in Colorado Springs, CO. The meeting hotel is the Double Tree World Arena (719-576-8900). See 99s013r0.pdf on the Harbor Web site for details.

The meeting will begin with a Harbor Design Review, followed by SCSl Plug and Play and SCSl Self Test topics.

## **12. Adjournment**

The meeting was adjourned at 4:37 pm on Thursday, May 6, 1999.