



**Technical Working Group**

**Doc. No.:** STA/98s011r0  
**Date:** November 9, 1998  
**Reply to:** lohmeier@ix.netcom.com

To: Membership of STA  
From: John Lohmeyer  
Subject: Minutes of SCSI Harbor Meeting  
November 5, 1998 – Palm Springs, CA

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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. SCSI Roadmap [Mark Delsman]
7. Review of Old Action Items
8. Document Review [Benjie Sun] (98s004r4)
9. Old Business
  - 9.1 Testing Strategy [Ham]
10. New Business
11. Review of Action Items
12. Meeting Schedule
13. Adjournment

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**Results of Meeting**

**1. Opening Remarks and Introductions**

Paul Aloisi opened the meeting at 2:30 pm. He thanked Larry Lamers of Adaptec 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. Michael Wingard	Amphenol Interconnect Prod.	mikwingard@aol.com
Mr. Douglas Wagner	Berg Electronics	wagnerdl@bergelect.com
Dr. William Ham	Compaq Computer Corp.	bill_ham@ix.netcom.com
Mr. Paul Remley	Fujitsu (FCPA)	premley@fcpa.fujitsu.com
Mr. Dan Colegrove	IBM Corp.	colegrove@us.ibm.com
Mr. John Lohmeyer	LSI Logic Corp.	lohmeier@ix.netcom.com
Mr. Jerry Kachlic	Molex	jkachlic@molex.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. Benjie Sun	Silicon Graphics	bsun@enr.sgi.com
Mr. Vit Novak	Sun Microsystems, Inc.	vit.novak@sun.com
Mr. Bill Youngman	The JPM Company	byoungman@jpmsj.com
Mr. Paul D. Aloisi	Unitrode Corporation	aloisi@unitrode.com
Mr. Francesco Liburdi	Wearnes Hollingsworth Corp.	liburdif@hollingsworth.com
Mr. Doug Piper	Woven Electronics	doug.piper@internetmci.com

16 People Present

## 4. Approval of Minutes

The minutes of the last meeting (see 98s009r0) 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](mailto:harbor@scsita.org)). To be added to the Harbor Reflector, please send an email to [info@scsita.org](mailto: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. SCSI Roadmap [Mark Delsman]

Mark Delsman presented the SCSI Roadmap that he had presented at the last STA meeting. This document is currently available on the STA web site in the members-only section.

## 7. Review of Old 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. *Complete.*
- 19) Pat McGarrah will edit sections 1.1 through 1.3. *Carry over.*

- 20) Pat McGarrah will provide prototype wrappers to other drive vendors for thermal testing. *Carry over.*
- 21) The other drive vendors will do thermal testing present results and anticipated future needs. *Carry over.*
- 22) Jay Neer will get details on 19" rack mechanical dimensions. *Carry over.*

## **8. Document Review [Benjie Sun] (98s004r4)**

Benjie Sun reviewed revision 4 of the SCSI Harbor document.

The handle will be hinged at the bottom so that gravity tends to hold the handle in the open position as the wrapper is inserted into the dock.

Benjie noted that he had made the guides in the dock larger and that they protrude further forward making them easier to see. This should avoid jarring the drive as it is inserted into the dock.

Benjie pointed out that the drive spacing may make it difficult to get one's fingers into the handle (because of the closeness of adjacent handles) until the drive is unlatched. This should still be okay because as the handle hinges out, the handle will in front of the other handles.

Another concern was with the ESD clips of one wrapper contacting the components on the PCB of an adjacent drive. The Metastore® design uses ESD clips on the same side of the wrapper as the PCB so that it cannot contact the PCB of an adjacent drive. It was suggested that the SCSI Harbor wrapper use the same approach.

## **9. Old Business**

### **9.1 Testing Strategy [Ham]**

Bill reiterated that we still need to get volunteers to build prototype docks and to do testing on the prototypes.

## **10. New Business**

None.

## **11. 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).
- 19) Pat McGarrah will edit sections 1.1 through 1.3.
- 20) Pat McGarrah will provide prototype wrappers to other drive vendors for thermal testing.
- 21) The other drive vendors will do thermal testing present results and anticipated future needs.
- 22) Jay Neer will get details on 19" rack mechanical dimensions.

## **12. Meeting Schedule**

The next SCSI Harbor meeting will be on Thursday, January 28, 1999 from 9:00 a.m. to 1:00 p.m. in Monterey, CA at the Embassy Suites Hotel (408-393-1115). See 98s012r0.pdf on the Harbor Web site for details.

## **13. Adjournment**

The meeting was adjourned at 5:42 pm on Thursday, November 5, 1998.