

STA Technical Minutes -- SCSI Harbor

July 13, 2000 in Colorado Springs

The STA Technical meeting/SCSI Harbor meeting was called to order at 1:30PM by Paul Aloisi.

1. Opening Remarks and Introductions

Tie vote at last STA General Meeting – Documents will be moved to another web site, The standard will not be approved by STA, NO Press release, NO campaign to promote Harbor.

We will continue the work on the development, if it is not allowed to be documented at STA, it can be documented in the Small Form Factors group or T10 as a technical report. Board meeting tonight has the harbor review.

Membership in STA is required to vote on the document.

2. Approval of Agenda

Agenda approved

3. Attendance and Membership

Mr Kazuro Sakai	Hitachi, Ltd.	K-sakai@str.hitachi.co.jp
Mr J.A. Jones	Intel Corporation	James.a.jones@intel.com
Mr John Lohmeyer	LSILogic	lohmeier@t10.org
Mr Alvin Cox	Seagate Technology	alvin_cox@notes.seagate.com
Mr Benjie Sun	Silicon Graphics	bsun@engr.sgi.com
Mr Paul Aloisi	Texas Instruments	paul_aloisi@ti.com
Mr Kieth Parker	Diogenes SCSI	diogenes@europa.com

4. STA Patent Policy [HTTP://www.scsita.org/STA /Patent Policy Sept16.pdf](http://www.scsita.org/STA/Patent%20Policy%20Sept16.pdf)

5. Approval of Minutes –**May 18, 2000 - Nashua, NH**, (00s013r0)

6. Document Distribution

<ftp://ftp.scsita.org/pub/harbor> - Will Change

<http://www.scsita.org/harbor> - Will Change

7. Review of Old Action Items

7.1) (Quantum) will provide Benjie with drives, thermal and vibration contact information for his company. Benjie – provide Rev 2 drives – not needed until October

7.2) Fujitsu Presentation of Thermal and Rotational Vibration at the July meeting.
Carry Over

8.0 SCSI Harbor Status [Benjie Sun]

Benjie reviewed the status. The document will be on the web site.

Rev2 will mainly test the 1 inch – October hardware.

Casting in Zinc – Details machined

Design review in November, final document in January.

Presentation: Design Light Pipe & Bumper review

Review of presentation – The presentation will be on the web site

Thermal – Intel

The document is on the web site,

Seagate, IBM and Hitachi drives. 1 and 1.6 inch drives.

The backplane helps reduce the temperature by focusing the air flow.

RV Presentation throughput

Review of presentation, the presentation will be on the web site.

About 700 Hz there is a resonate that can be eliminated by adding a rib to the dock.

Measurements on the slot to slot variation of the linear and rotational vibration, hard mount to each slot on both the 1 and 1.6 inch drive. Drive to drive variations make it difficult to understand the differences in pressure increase with a shim.

The increase in pressure shows improvement. This requires the dock stiffness of the rev 2 dock design allows the increase in pressure.

9.0 SCSI Harbor Design Review [Benjie Sun]

Rev 2 design review will be in the November time frame.

10.0 SCSI Plug and Play (PnP) – Documents will be on the SCSITA.ORG web site.

10.1 Desktop [Larry Lamers]

Document Review 0.b distributed April 5, 2000 -

– Larry not here – infection when metal was removed.

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10.2 Server [Larry Lamers]

Preliminary Document Review

11.0 Old Business

12.0 New Business

12.1 15K RPM drives introduced by Seagate, work to get the 15K drives for testing (Alvin Cox)

12.2 Zinc has some environmental concerns, Alvin will report on the problem level.

12.3 STA board results for harbor. Where is the long term home, SSF or T10 technical report if it is not kept on the STA web site (Aloisi)

13.0 Review of Action Items

14.0 Meeting Schedule

September 14, 2000 Huntington Beach, CA

November 2, 2000 Seaside, CA

14. Adjournment

3.00 PM adjourned