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15. Adjournment

Results of Meeting

1. Opening Remarks
   John Lohmeyer, the T10 Chair, called the meeting to order at 1:30 p.m., Thursday May 8, 2008. He thanked Mark Overby and Christine Evans of Nvidia for hosting the meeting.

   John extended a special welcome to Karen Higginbottom, INCITS Executive Board Chair.

   John said that INCITS subgroup membership forms and the T10 document subscription forms are available on the meeting web site. He said that people should use these forms to ensure the INCITS Secretariat has the latest membership information. These forms should be mailed directly to the INCITS Secretariat.

   As is customary, the people attending introduced themselves. Attendance (see enclosure 1) was taken electronically via the meeting web site.

2. Approval of Agenda
   No additions/changes were made to the draft agenda.

   John Lohmeyer moved and Ralph Weber seconded that the agenda be approved. In the absence of any objections, the motion passed unanimously.

   No items were added or modified in the agenda during the course of the meeting.

3. Attendance and Membership
   The membership requirements were reviewed. INCITS rules permit one vote per organization. An individual from a new organization must attend two out of three consecutive plenary meetings. He/she may apply for voting mem-
bership the second meeting via a letter to the Chair of T10. The individual may begin voting at the beginning of his/her second meeting. People who continue to attend T10 meetings are expected to join T10 and to pay INCITS Service Fees.

To maintain membership, organizations must pay the INCITS Service Fee ($1200 per year).


There are also minimum attendance requirements to maintain voting membership on T10. If a member organization fails to attend two of the last three T10 meetings, they are warned that failing to attend the next T10 meeting would result in their membership being terminated.

The Chair said he had sent emails to 6 people from 4 organizations informing them that the organization's membership was in jeopardy due to non-attendance (see 08-176r0) and that their membership would be terminated if they did not attend this meeting. The following organizations were in attendance jeopardy:

- Amphenol Interconnect
- General Dynamics
- Iomega Corp.
- STMicroelectronics, Inc.

All organizations in attendance jeopardy were present.

Had representatives of these organizations not been present, their representatives changed to Advisory (non-voting) status.

John called for requests to join the committee. No organizations joined at this meeting.

The T10 membership during the meeting was 37 organizations, unchanged from the 37 member organizations extant at the time the meeting was convened. Enclosure (1) is the list of the people present at the meeting and enclosure (3) is the current T10 membership list.

John Lohmeyer reminded members that failure to vote on two out of the last three letter ballots also would result in membership jeopardy. Accelerated and personnel letter ballots are not included in letter ballot jeopardy calculations.

The current letter ballot jeopardy status is as shown:

**T10 Letter Ballot Jeopardy Report -- 2008/05/01**

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<td>08-093r0</td>
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<td>Yes</td>
<td>DNV</td>
<td>DNV (*)</td>
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<tr>
<td></td>
<td>08-096r0</td>
<td>08-097r0</td>
<td>SSC-3</td>
<td>Yes</td>
<td>No</td>
<td>DNV</td>
</tr>
</tbody>
</table>

Key:
- Yes Organization voted Yes
- No Organization voted No
- Abs Organization voted Abstain
- DNV Organization failed to return letter ballot
- -- Organization was not a voting member for the letter ballot
- (*) Organization is in letter ballot jeopardy
4. **Approval of Minutes - March 2008 - Raleigh, NC (T10/08-133r0)**

John Lohmeyer moved and Ralph Weber seconded that the minutes be approved as written. In the absence of any objections, the motion passed unanimously.

5. **Document Distribution**

Members who have any problems with their mailing subscription should deal directly with Barbara Bennett (bbennett@itic.org) (202) 626-5743. A subscription form is included on the meeting disk.

John Lohmeyer requested that all documents for the next mailing be uploaded to the T10 web site by 10:30 a.m. Mountain time on Thursday May 15, 2008. Documents received after this time may go into a subsequent mailing.

John reminded the committee of the requirements for document submission. Since T10 meets its document retention requirements by preparing mailings, documents included in the mailing must be suitable for archiving. This means that Portable Document Format (PDF) and/or native-format electronic originals with proper identification must be submitted.

People can obtain T10 document numbers for new and revised T10 documents by filling out a web form at http://www.t10.org/members/. The assigned T10 document number will be sent to the requestor by e-mail. The requestor may then reply to this email, including the document to be posted as an attachment. The document will be automatically posted on the T10 web site.

T10 members can complete this entire process using their personal T10 password. John explained that members who do not know their password should surf to the above URL and click on the “forgot password” link to have their password sent to them via e-mail.

John noted that non-members can also use the above document number process, but their requests will require approval by an administrator.

Minutes are available on the T10 World Wide Web page (see below), and are distributed to the T10 Reflector. To be added to the T10 Reflector, send an e-mail to majordomo@t10.org with the line ‘subscribe t10’ in the message body.

The INCITS Secretariat maintains a World Wide Web page at:

http://www.incits.org/.

LSI Corp. maintains a web site on behalf of T10 on a server donated by the SCSI Trade Association at:

http://www.t10.org/

There is also a mirror site at:

http://www.t11.org/t10/

The T10 document register is available at:

ftp://ftp.t10.org/t10/dr.txt

6. **Call for Patents**

John Lohmeyer explained that this is a regular agenda item to identify any potential patent issues with developing standards and technical reports.

For additional information on ANSI procedures and the ANSI patent policy, please see the INCITS web page at http://www.incits.org/call.htm. The contact for INCITS patent issues is Lynn Barra (lbarra at itic dot org) or (202)

John Lohmeyer presented a summary of the ANSI patent policy prepared by Gary Robinson. The summary is also included on the Rules and Procedures (plus Patent Information) page on the T10 web site.

Mark Seidel reminded the committee that a statement of the Intel patent policy can be found in T10/01-041r0.

John Lohmeyer noted that LSI Corp. recently submitted a patent statement (T10/08-189r0) regarding ISO-IEC standards.

John Lohmeyer reported that Pioneer Corp. had submitted a patent statement (T10/08-242r0) regarding the MMC standards.

John asked that anyone who knows of other applicable patents to contact him.

There were no other responses to the call for patents other than those mentioned above.

7. Review of Old Action Items

694 John Lohmeyer will forward the SCSI Architecture Model - 5 (SAM-5) project proposal (08-124r1) to INCITS for further processing. Complete.
695 John Lohmeyer will notify INCITS that T10 recommends that INCITS reaffirm the EPI technical report (INCITS TR-23-1998). Complete.
696 John Lohmeyer will forward T10/08-143r0 to INCITS for processing as a waiver to INCITS RD-1 clause 3.2. Complete.

8. Project Status Reports

8.1 Project Status Summary and INCITS Liaison [Lohmeyer]

John Lohmeyer said that the current T10 project status summary was included on the meeting web site and will be included in the mailing as usual.

8.1.1 INCITS Antitrust Guidelines

All T10 members should be aware of the INCITS antitrust guidelines available at http://www.incits.org/inatrust.htm.

John reminded committee members that all persons present at a T10 meeting are responsible for identifying potential violations of the antitrust guidelines and reporting them to the chair. Discussions of the following topics are considered sensitive:

- Any company's prices or pricing policies;
- Specific R&D, sales and marketing plans;
- Any company's confidential product, product development or production strategies;
- Whether certain suppliers or customers will be served;
- Prices paid to input sources; or
- Complaints about individual firms or other actions that might tend to hinder a competitor in any market.

8.2 Bridge Controller Commands (BCC) Project 1528-D [Elliott]

Rob Elliott reported that there has been no activity on BCC.

Rob asked the committee to consider withdrawing the BCC project during the July Plenary.

Rob Elliott took an action item to notify the T10 Reflector of plans to withdrawn the BCC project in July.
8.3 **SCSI Enclosure Services - 2 (SES-2) Project 1559-D [Elliott]**

Rob Elliott reported that 08-049r4 contains the proposed resolutions to the SES-2 letter ballot comments and SES-2 revision 19d incorporates the resolutions.

Rob Elliott moved that 08-049r4 be approved as resolving the letter ballot comments on SES-2 and that SES-2 revision 20, which incorporates the comment resolutions, be forwarded to INCITS for further processing toward first public review. Bob Nixon seconded the motion. The motion passed on a vote of 32:0:0:5=37.

Based on the successful resolution of the letter ballot comments, the following people requested that their original No votes on the SES-2 letter ballot be changed to Yes:

- Rob Elliott, Hewlett Packard Co. and
- Kevin Butt, IBM Corp.
- Roger Cummings, Symantec (by email)

John Lohmeyer took an action item to forward SES-2 revision 20 to INCITS for further processing toward first public review.

8.4 **SCSI Stream Commands - 3 (SSC-3) Project 1611-D [Peterson]**

Dave Peterson reported on the activities of the SSC-3 working group (minutes in 08-222). Dave also provided an electronic report in 08-233r0. Dave reported that the working group reviewed a project proposal for SSC-4 (08-136). Due to a snafu, it was not placed on the T10 agenda in time for consideration at this meeting and will be considered at the July meeting.

8.5 **SCSI Architecture Model - 4 (SAM-4) Project 1683-D [Penokie]**

George Penokie reported that 07-478r7 contains the proposed resolutions to the SAM-4 letter ballot comments and SAM-4 r13i incorporates the resolutions.

George Penokie moved that 07-478r7 be approved as resolving the letter ballot comments on SAM-4 and that SAM-4 revision 14, which incorporates the comment resolutions, be forwarded to INCITS for further processing toward first public review. Bill Martin seconded the motion. The motion passed on a vote of 31:0:0:6=37.

Based on the successful resolution of the letter ballot comments, the following people requested that their original No votes on the SAM-4 letter ballot be changed to Yes:

- Rob Elliott, Hewlett Packard Co. and
- Mark Evans, Western Digital Corp.

John Lohmeyer took an action item to forward SAM-4 revision 14 to INCITS for further processing toward first public review.

8.6 **Object-Based Storage Devices - 2 (OSD-2) Project 1729-D [Weber]**

Ralph Weber reported that work on OSD-2 has been deferred to the July meeting week.

8.7 **SCSI Media Changer Command Set - 3 (SMC-3) Project 1730-D [Ballard]**

Curtis Ballard reported on the activities of the SMC-3 working group (minutes in 08-190 and 08-217), and provided an electronic report in 08-238r0.

8.8 **SCSI Primary Commands - 4 (SPC-4) Project 1731-D [Weber]**

Ralph Weber reported that SPC-4 r14 was included in the last mailing. SPC-4 r15 will be prepared during May but not in time for the mailing, and will include all proposals approved at this meeting.
8.9 Automation/Drive Interface - Commands - 2 (ADC-2) Project 1741-D [Suhler]

John Lohmeyer reported that ADC-2 has passed the INCITS for management review and the INCITS approval letter ballot closes today. It should go to ANSI next week.

8.10 Automation/Drive Interface - Transport Protocol - 2 (ADT-2) Project 1742-D [Suhler]

Paul Suhler reported on the activities of the ADI working group (minutes in 08-223). Paul provided an electronic report in 08-225.

8.11 Serial Attached SCSI - 2 (SAS-2) Project 1760-D [Elliott]

John Lohmeyer reported that the SAS-2 letter ballot passed 27:7:2:1=37 and noted that the detailed results of the ballot are documented in 08-093. Approximately 1900 comments were received.

Rob Elliott reported that about 50% of the comments have resolutions. He noted a schedule of conference calls for the SAS Phy working group to resolve comments. A letter ballot editing session will begin after the plenary ends.

8.12 SCSI Block Commands - 3 (SBC-3) Project 1799-D [Evans]

Mark Evans reported that SBC-3 r15 will be prepared to incorporate the proposals approved this week. The new revision should be posted within the next few weeks, but probably not in time for the mailing.

8.13 SCSI / ATA Translation - 2 (SAT-2) Project 1826-D [Overby]

Mark Overby reported that a SAT-2 working group meeting was held April 25th in Henderson, NV (minutes in 08-204r0) and May 6th (minutes in 08-209).

A SAT-2 working group meeting is planned for June 23 in Denver, CO.

SAT-2 r05 will be prepared to incorporate the proposals approved at this meeting, but probably not in time for the mailing. A letter ballot is planned following the July meeting.

8.14 Fibre Channel Protocol - 4 (FCP-4) Project 1828-D [Peterson]

Dave Peterson discussed the activities of the FCP-4 working group (minutes in 08-229). Dave provided an electronic report in 08-234r0.

The target letter ballot date is September 2008, and the target public review date is January 2009.

8.15 MultiMedia Command Set - 6 (MMC-6) Project 1836-D [McFerrin]

Bill McFerrin reported that the minutes for the MMC-6 working group can be found in 08-236. He noted that work on optical storage is winding down somewhat. He reported that noise control is becoming an issue in the optical storage industry and a proposal will be developed.

The target for forwarding MMC-6 is November 2008.

8.16 Automation/Drive Interface - Commands - 3 (ADC-3) Project 1895-D [Suhler]

Paul Suhler reported on the activities of the ADI working group (minutes in 08-223). Paul provided an electronic report in 08-225.

8.17 USB Queuing Transport (UAS) Project 2095-D [Stevens]

Curtis Stevens reported that the content for the first UAS revision was approved by the CAP working group (minutes in 08-210). He noted that the first approved working draft of UAS which will be posted as UAS r01. He
noted that differed from the r00 revision nomenclature agreed to by the CAP working group due to details of the T10 web site operating procedures.

8.18 SCSI Architecture Model - 5 (SAM-5) Project 2104-D [Penokie]

George Penokie reported that SAM-5 r00 will be posed based on SAM-4 r20 later this week.

9. ISO/IEC

9.1 ISO/IEC Report [Robinson]

Gary Robinson presented the ISO/IEC report (see enclosure 2).

Gary Robinson took an action item to generate a NWIP for SAM-4.

9.2 ISO/IEC Business [Robinson]

9.2.1 FCD ISO/IEC 14776-326, Reduced Block Commands (RBC)

Gary Robinson moved that T10 recommends that the SC25 TAG vote to approve 25N ___, FCD ISO/IEC 14776-326 Information technology Small Computer System Interface Part 326: Reduced Block Commands (RBC) (RBC-2). Mark Overby seconded the motion.

The roll-call motion passed: 31:0:0:6=37 as documented below.

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<th>Vote</th>
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<tr>
<td>Amphenol Interconnect</td>
<td>Gregory McSorley</td>
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<td>Brocade</td>
<td>David Peterson</td>
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<td>EMC Corp.</td>
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<td>Emulex</td>
<td>William Martin</td>
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<td>ENDL</td>
<td>Ralph O. Weber</td>
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<td>Fujitsu</td>
<td>Mike Fitzpatrick</td>
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<td>Hewlett Packard Co.</td>
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<td>Kevin Butt</td>
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<td>Mark Seidel</td>
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<td>Robert Payne</td>
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<td>Kawasaki Microelectronics</td>
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<td>KnowledgeTek, Inc.</td>
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<td>Lexar Media, Inc.</td>
<td>John Goldman</td>
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<td>LSI Corp.</td>
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<td>Marvell Semiconductor, Inc.</td>
<td>David Geddes</td>
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<td>Maxim Integrated Products</td>
<td>Gregory Tabor</td>
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<tr>
<td>Nvidia Corp.</td>
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<tr>
<td>Quantum Corp.</td>
<td>Paul Suhler</td>
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Minutes of T10 Plenary Meeting #85 -- May 8, 2008

This two-thirds international roll call vote passed (31:0:0:6=37).

John Lohmeyer took an action item to transmit FCD recommendation on RBC to INCITS for further processing.

9.2.2 FCD ISO/IEC 14776-921, SCSI / ATA Translation Layer (SAT)

Gary Robinson moved that T10 recommends that the SC25 TAG vote to approve 25N ___, FCD ISO/IEC 14776-921 Information technology Small Computer System Interface Part 921: SCSI / ATA Translation Layer (SATL) (SAT). Mark Overby seconded the motion.

The roll-call motion passed: 31:0:0:6=37 as documented in 9.2.1.

John Lohmeyer took an action item to transmit FCD recommendation on SAT to INCITS for further processing.

9.2.3 FDIS 1.25.13.18-2 ATAPI-7-2

Gary Robinson moved that T10 has reviewed the FDIS, 1.25.13.18-2 ATAPI-7-2 24739-2, and recommends that the JTC1 TAG vote to approve said FDIS. Mark Overby seconded the motion.

The roll-call motion passed: 31:0:0:6=37 as documented in 9.2.1.

John Lohmeyer took an action item to transmit FDIS recommendation on ATAPI-7-2 to INCITS for further processing.

9.2.4 FDIS 1.25.13.18-3 ATAPI-7-3

Gary Robinson moved that T10 has reviewed the FDIS, 1.25.13.18-3 ATAPI-7-3 24739-3, and recommends that the JTC1 TAG vote to approve said FDIS. Mark Overby seconded the motion.

The roll-call motion passed: 31:0:0:6=37 as documented in 9.2.1.

John Lohmeyer took an action item to transmit FDIS recommendation on ATAPI-7-3 to INCITS for further processing.

10. Old Business

10.1 Project Proposals for next generation SAS

10.1.1 Project Proposal for Serial Attached SCSI - 2.1 (SAS-2.1) (08-110) [Elliott]

Discussion of this topic was deferred to the next meeting.

10.1.2 Project Proposal: Alternate Serial Attached SCSI 2.1 (08-117) [Butt]

Discussion of this topic was deferred to the next meeting.

10.1.3 Project Proposal: Serial Attached Protocol (SAP) (08-118) [Butt]

Discussion of this topic was deferred to the next meeting.
11. New Business

11.1 INCITS Disapproval of T10's Waiver Request (in080452) [Garner]

John Lohmeyer reported that the INCITS Executive Board voted 10:0:2:5=17 to deny the T10 waiver request, reportedly based principally on a preference not to grant waivers of any kind.

Subsequent to that, the officers of T10, T11, T13 met with representatives of the INCITS Executive Board, and work was begun toward addressing the issues.

Karen Higginbottom reported that INCITS is working to develop a stronger operating structure for the INCITS TCs. A major challenge has been addressing the needs of the wide variety of TCs in INCITS. Some of the necessary procedural differences have not been addressed yet, but work is in progress.

John noted that the earliest opportunity to receive notice of additional efforts would be in late July because the next INCITS Executive Board meeting is the week of July 14th.

11.2 Actions on SAS Protocol Working Group Recommendations

The SAS Protocol working group made no recommendations to the committee this month.

11.3 Actions on SAS PHY Working Group Recommendations

The SAS PHY working group made no recommendations to the committee this month.

11.4 Actions on SAT Working Group Recommendations

Mark Overby reviewed 08-230r0 (Translation of zero-length security commands (2)) [Overby] recommended for inclusion in SAT-2. Mark Overby and Fred Knight reviewed 07-485r6 (Additional power management methods) [Knight] recommended for inclusion in SAT-2 and SPC-4.

Fred Knight moved that 08-230r0 be approved for inclusion in SAT-2; and that 07-485r6 be approved for inclusion in SAT-2 and SPC-4. Mark Overby seconded the motion. In the absence of objections, the motion passed unanimously.

11.5 Actions on CAP Working Group Recommendations

Mark Evans reviewed the following proposals recommended for inclusion in SPC-4:

- 08-145r3 (Capability-based Command Security (CbCS)) [the rewrite] [Weber]
- 08-177r0 (Bogus Sense Key in SA Creation Parameter Data Error Handling) [Weber]
- 08-178r0 (IKEv2-SCSI Message ID field size correction) [Weber]
- 08-180r0 (SCSI device name cleanup in SPC-4) [Weber]
- 08-194r1 (Common definition for CODE SET) [Ballard]
- 08-199r1 (Even more log page cleanup) [Evans]
- 08-214r1 (Allowing ESP-SCSI descriptors in variable length CDBs) [Weber]
- 08-231r1 (SPEC_I_PT clarification) [Knight]

Mark Evans reviewed 08-156r2 (Non-volatile cache becoming volatile) [Penokie] a proposal recommended for inclusion in SPC-4 and SBC-3.

Curtis Stevens review 08-221r1, the document whose content was recommended to become the first approved revision of the UAS working draft.

Curtis Stevens moved that 08-145r3, 08-177r0, 08-178r0, 08-180r0, 08-194r1, 08-199r1, 08-214r1, and 08-231r1 be approved for inclusion in SPC-4; and that 08-156r2 be approved for inclusion in SPC-4 and SBC-3; and that
08-221r0 be approved as the content for the first revision of UAS. Mark Overby seconded the motion. In the absence of objections, the motion passed unanimously.

11.6 Actions on Other Working Group Recommendations

Dave Peterson reviewed 08-127r2 (FC-4 Features object and device type support) [Peterson] a proposal recommended for inclusion in FCP-4.

Kevin Butt moved that 08-127r2 be approved for inclusion in FCP-4. Dave Peterson seconded the motion. In the absence of objections, the motion passed unanimously.

11.7 Contract Editing proposal on ISO/IEC SAS-1.1 (08-197) [Weber]

John Lohmeyer reported that editing assistance is needed to complete ISO/IEC SAS-1.1, due in part to the ISO usage of FrameMaker 7, a product to which SAS-1.1 editor Rob Elliott does not have access.

John Lohmeyer moved that T10 approve 08-197r0 SAS-1.1 ISO editing proposal, and authorize payment upon completion of services. Bill Martin seconded the motion. The motion passed 29:0:0:8=37.

John Lohmeyer took an action item to report to INCITS that $5,000 of the T10 editing fund has been approved for payment for editing services on ENDL Texas.

11.8 Project proposal for SSC-4 (08-136) [Peterson]

John Lohmeyer noted that due to a snafu, this item was not added to the T10 agenda until one week ago, and therefore cannot be forwarded at this meeting. It will be consider at the July meeting.

12. Liaison Reports

12.1 T11 Liaison Report [Snively]

Bob Snively presented the T11 electronic liaison report (08-213).

12.2 T13 Liaison Report [Colegrove]

Dan Colegrove provided an electronic report in 08-087r2 and made an oral report to the committee on the activities of T13. For additional details regarding T13 activities see www.t13.org.

12.3 SCSI Trade Association (STA) [Czekalski]

In the absence of Marty Czekalski, John Lohmeyer presented an electronic report (08-235) on the activities of the SCSI Trade Association.

12.4 IEEE P1619 [Ball]

In the absence of Matt Ball, Landon Noll presented the electronic IEEE 1619 liaison report that Matt had prepared (08-173r1).

13. Review of Action Items

697 Rob Elliott will notify the T10 Reflector of plans to withdrawn the BCC project in July.
698 John Lohmeyer will forward SES-2 revision 20 to INCITS for further processing toward first public review.
699 John Lohmeyer will forward SAM-4 revision 14 to INCITS for further processing toward first public review.
700 Gary Robinson will generate a NWIP for SAM-4.
701 John Lohmeyer will transmit FCD recommendation on RBC to INCITS for further processing.
702  John Lohmeyer will transmit FCD recommendation on SAT to INCITS for further processing.
703  John Lohmeyer will transmit FDIS recommendation on ATAPI-7-2 to INCITS for further processing.
704  John Lohmeyer will transmit FDIS recommendation on ATAPI-7-3 to INCITS for further processing.
705  John Lohmeyer will report to INCITS that $5,000 of the T10 editing fund has been approved for payment for editing services on ENDL Texas.

14. Meeting Schedule

The next plenary meeting of T10 will be Thursday July 17, 2008 in Anchorage, AK at the Sheraton Anchorage Hotel (Reservations: 907-276-8700) hosted by Emulex. The meeting will begin at 1:30 p.m. on Thursday.
The meeting list for the next plenary week is:

July 2008 Meeting Map
(2008/05/08 Version)

Monday 7/14

9  10  11  12  1   2   3   4   5   6   7   8
+===============================================+ (15)
| SMC-3 WG / ADI-2 WG                           |
+===============================================+
| SAS Protocol WG                                |
+===============================================+

Tuesday 7/15

9  10  11  12  1   2   3   4   5   6   7   8
+===============================================+
| SAS Physical WG                               |
+===============================================+
| SAT WG / STA Marcom / BOD                     |
+===============================================+
| FCP-4 / SSC-3 WG                              |
+===============================================+
| MMC WG                                       |
+===============================================+

Wednesday 7/16

9  10  11  12  1   2   3   4   5   6   7   8
+===============================================+
| CAP WG                                        |
+===============================================+
| Mt Fuji                                       |
+===============================================+
| STA Plen* / TCC* / SFF                        |
+===============================================+

Thursday 7/17

9  10  11  12  1   2   3   4   5   6   7   8
+===============================================+
| CAP WG / T10 Plenary/LB cmnt                  |
+===============================================+

Friday 7/18

8  9  10  11  12  1   2   3   4   5   6   7   8
No meetings are planned for Friday.

/ means the next meeting starts when the previous meeting concludes
Meetings marked with == are T10-authorized meetings.
Meetings marked with -- are other groups and may change without notice.
Meetings marked with (*) are closed meetings of other groups.
Map Abbreviation Key:
ad hoc:      a.k.a., working group
ADI:        Automation Drive Interface (tape library interface)
Amnd:       Amendment
CAP:        Commands, Architecture, and Protocols
FC:         Fibre Channel
FCP-4:      Fibre Channel Protocol - 4
I/F:        Interface
IETF:       Internet Engineering Task Force (the group that sets
            Internet standards)
iFC:        Internet Fibre Channel
IPS:        Internet Protocol SCSI
iSCSI:      Internet SCSI
LB:         Letter Ballot
MMC:        Multimedia Commands (CD-ROM, DVD, etc.)
OSD:        Object-based Storage Device
PH or PHY:  Physical (Connectors, Cables, Transceivers, etc.)
Prot:       Protocol
Plenary:    Full Committee Meeting
Res:        Resolution
SAS:        Serial Attached SCSI
SAT-2:      SCSI / ATA Translation - 2
SBC-3:      SCSI Block Commands - 3
SCSI:       Small Computer System Interface
SES:        SCSI Enclosure Services
SFF:        SFF Industry Group (not an INCITS activity)
SG:         Study Group
SMC:        SCSI Medium Changer - 3 Commands
SPC-4:      SCSI Primary Commands - 4 (4th generation)
SSC-3:      SCSI Stream Commands - 2 (includes Tape)
STA:        SCSI Trade Association (Closed meeting -- not an INCITS activity)
STA Marcom: STA Marketing Communications (Closed meeting -- not an INCITS activity)
T10:        SCSI Storage Interfaces Technical Committee
T11:        Fibre Channel Interfaces Technical Committee
T13:        ATA Storage Interface
TCG:        Trusted Computing Group
TCG SIIF:   Trusted Computing Group Storage Interface Interactions Forum
WG:         Working Group (same as Ad Hoc Group)
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<tr>
<th>Meeting</th>
<th>Date(s)</th>
<th>Location / Host</th>
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<tr>
<td>SAS-2 LB Resolution Call</td>
<td>Wed May 21 10:00a-12:00n CDT</td>
<td>TBA via T10 Reflector / Elliott &amp; Penokie</td>
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<td>Thu May 22 10:00a-12:00n CDT</td>
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<td>ADI Call</td>
<td>Wed Jun 4 8:00a-10:00a PDT</td>
<td>TBA via T10 Reflector / Quantum</td>
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<td>Thu Jun 5 10:00a-12:00n CDT</td>
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<td>Mon Jun 23 11:00a-6:00p MDT</td>
<td>Denver, CO / Lohmeyer</td>
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<td>Thu Jul 3 10:00a-12:00n CDT</td>
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For more information about T10 activities, please contact the following people:

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<thead>
<tr>
<th>Activity</th>
<th>Contact</th>
<th>Telephone/Email</th>
</tr>
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<tbody>
<tr>
<td>ADT-2, ADC-2, ADC-3</td>
<td>Paul Stone</td>
<td>(949) 725-1874 paul dot stone at quantum dot com</td>
</tr>
<tr>
<td>SES-2, SAS-1.1, SAS-2, BCC, SDI</td>
<td>Rob Elliott</td>
<td>(281) 518-5037 Elliott at hp dot com</td>
</tr>
<tr>
<td>MMC-5, MMC-6</td>
<td>Bill McFerrin</td>
<td>(325) 423-1560 billmc37 at ctesc dot net</td>
</tr>
<tr>
<td>SBP-3</td>
<td>Peter Johansson</td>
<td>(510) 527-3926 P.Johansson at ACM dot org</td>
</tr>
<tr>
<td>SAM-4, SBC-3</td>
<td>George Penokie</td>
<td>(507) 253-5208 gop at us dot ibm dot com</td>
</tr>
<tr>
<td>SAT-2</td>
<td>Mark Overby</td>
<td>(425) 417-9412 moverby at nvidia dot com</td>
</tr>
<tr>
<td>SMC-2</td>
<td>Erich Oetting</td>
<td>(303) 673-2178 Erich_Oetting at Stortek dot com</td>
</tr>
<tr>
<td>SMC-3</td>
<td>Noud Snelder</td>
<td>+31408446108 Noud dot snelder at bdt dot de</td>
</tr>
<tr>
<td>SPC-3, SAM-3, SPC-4, OSD-2</td>
<td>Ralph Weber</td>
<td>(214) 912-1373 roweber at acm dot org</td>
</tr>
<tr>
<td>SSC-3, FCP-3, FCP-4</td>
<td>Dave Peterson</td>
<td>(763) 268-6139 david dot peterson at brocade dot com</td>
</tr>
<tr>
<td>Other Activities</td>
<td>John Lohmeyer</td>
<td>(719) 533-7560 lohmeyer at t10 dot org</td>
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</table>
The long-term T10 meeting week schedule is:

<table>
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<td>San Jose, CA</td>
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<tr>
<td>Jul 14-18, 2008</td>
<td>Anchorage, AK</td>
<td>Emulex</td>
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<tr>
<td>Sep 8-12, 2008</td>
<td>Colorado Springs, CO</td>
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<tr>
<td>Nov 3-7, 2008</td>
<td>Santa Ana, CA</td>
<td>Western Digital</td>
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<tr>
<td>Jan 12-16, 2009</td>
<td>Orlando, FL</td>
<td>Symantec</td>
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<td>Mar 9-13, 2009</td>
<td>Oklahoma City, OK</td>
<td>Fujitsu</td>
</tr>
<tr>
<td>May 4-8, 2009</td>
<td>Bellevue, WA</td>
<td>Microsoft Corp.</td>
</tr>
<tr>
<td>Jul 13-17, 2009</td>
<td>Colorado Springs, CO</td>
<td>LSI Corp.</td>
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<tr>
<td>Sep 14-18, 2009</td>
<td>Boston, MA</td>
<td>EMC Corp.</td>
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<tr>
<td>Nov 9-13, 2009</td>
<td>Las Vegas, NV</td>
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<td>Mar 8-12, 2010</td>
<td>San Jose, CA</td>
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<td>May 3-7, 2010</td>
<td>Seattle, WA</td>
<td>Microsoft</td>
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<tr>
<td>Sep 13-17, 2010</td>
<td>San Jose, CA</td>
<td>Nvidia</td>
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</table>

NOTE: Dates, locations, and hosts shown above in *red italic font* have not been approved by T10 yet and are subject to change.

John Lohmeyer asked people interested hosting one of the above meetings to contact him.

### 14.1 Authorization of Working Group Meetings

John noted that the working group meetings are required to operate under the same voting procedures as does T10 (that is, one vote per organization) and the results of a working group are not binding on the parent committee. Working groups should strive to achieve consensus prior to bringing issues to T10.

Bob Nixon moved that T10 authorize the T10-related meetings and events in the list above that had not previously been approved. Paul Suhler seconded the motion. In the absence of any objections, the motion passed unanimously.

### 15. Adjournment

John Lohmeyer moved and Ralph Weber seconded that the meeting be adjourned. In the absence of any objections, the motion passed unanimously. The meeting was adjourned at 3:15 p.m. on Thursday May 8, 2008.
## Enclosure(1) -- Meeting Attendees

<table>
<thead>
<tr>
<th>Name</th>
<th>S</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. Gregory McSorley</td>
<td>P</td>
<td>Amphenol Interconnect</td>
</tr>
<tr>
<td>Mr. David Peterson</td>
<td>P</td>
<td>Brocade</td>
</tr>
<tr>
<td>Mr. Robert Snively</td>
<td>A</td>
<td>Brocade</td>
</tr>
<tr>
<td>Mr. William McFerrin</td>
<td>V</td>
<td>DataPlay</td>
</tr>
<tr>
<td>Mr. David Black</td>
<td>A</td>
<td>EMC Corp.</td>
</tr>
<tr>
<td>Mr. Gary S. Robinson</td>
<td>P</td>
<td>EMC Corp.</td>
</tr>
<tr>
<td>Mr. William Martin</td>
<td>P</td>
<td>Emulex</td>
</tr>
<tr>
<td>Mr. Robert H. Nixon</td>
<td>A</td>
<td>Emulex</td>
</tr>
<tr>
<td>Mr. Ralph O. Weber</td>
<td>P</td>
<td>ENDL Texas</td>
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<tr>
<td>Mr. Douglas Wagner</td>
<td>P</td>
<td>FCI</td>
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<tr>
<td>Mr. David Freeman</td>
<td>P</td>
<td>Finisar Corp.</td>
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<tr>
<td>Mr. Mike Fitzpatrick</td>
<td>P</td>
<td>Fujitsu</td>
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<tr>
<td>Mr. Nathan Hastad</td>
<td>P</td>
<td>General Dynamics</td>
</tr>
<tr>
<td>Mr. Curtis Ballard</td>
<td>A</td>
<td>Hewlett Packard Co.</td>
</tr>
<tr>
<td>Mr. Rob Elliott</td>
<td>P</td>
<td>Hewlett Packard Co.</td>
</tr>
<tr>
<td>Ms. Karen Higginbottom</td>
<td>V</td>
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<tr>
<td>Mr. Dan Colegrove</td>
<td>P</td>
<td>Hitachi Global Storage Tech.</td>
</tr>
<tr>
<td>Mr. Kevin Butt</td>
<td>P</td>
<td>IBM Corp.</td>
</tr>
<tr>
<td>Dr. Mark Seidel</td>
<td>P</td>
<td>Intel Corp.</td>
</tr>
<tr>
<td>Mr. Robert Payne</td>
<td>P</td>
<td>Iomega Corp.</td>
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<tr>
<td>Mr. Joel Silverman</td>
<td>P</td>
<td>Kawasaki Microelectronics Am</td>
</tr>
<tr>
<td>Mr. Dennis Moore</td>
<td>P</td>
<td>KnowledgeTek, Inc.</td>
</tr>
<tr>
<td>Mr. John Geldman</td>
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<td>Mr. Yoni Shternhell</td>
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<tr>
<td>Mr. Gerald Houlder</td>
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<td>Seagate Technology</td>
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<tr>
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<td>Mr. Erich Oetting</td>
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<td>Mr. Georg Boasson</td>
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47 People Present
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Enclosure(3) -- T10 Attendance Database
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<tr>
<th>Name</th>
<th>Phone</th>
<th>Fax</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. William Ham (E)</td>
<td>(978) 828-9102</td>
<td>(978) 475-8315</td>
<td>bill dot ham at comcast dot net</td>
</tr>
<tr>
<td>92 Wildwood Road</td>
<td></td>
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