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Results of Meeting

1. Opening Remarks

John Lohmeyer, the T10 Chair, called the meeting to order at 1:30 p.m., Thursday November 6, 2008. He thanked Curtis Stevens of Western Digital for hosting the meeting.

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.

The following items were added or modified in the agenda during the course of the meeting:

   - none

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 membership 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 e-mails to 2 people from 1 organization informing them that the organization's membership was in jeopardy due to non-attendance (see 08-385r0) and that their membership would be terminated if they did not attend this meeting. The following organization was in attendance jeopardy:

Symantec Corporation

All organizations in attendance jeopardy were present.

Had any organizations not been present, their membership would have been 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 33 organizations, unchanged from the 33 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 was as shown:

T10 Letter Ballot Jeopardy Report -- 2008/09/05

No organizations have failed to vote on recent letter ballots.

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 - September 2008 - Colorado Springs, CO (T10/08-355r0)

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

John Lohmeyer noted that in September Dal Allan had recommended that T10 and T11 end their practice of mailing CDs to people on a subscription basis. The web sites contain more timely information and very few people subscribe to the committee mailings.

John noted that he plans to create 'mailing' ZIP files on the T10 web site that will be available in the T10 members area. This area is accessible using the new t10member FTP account. To get the current password for this account, use the web form to have your personal T10 password sent to you by email.
John Lohmeyer moved that T10 discontinue T10 mailings and that T10 rescind its document retention policy in 98-107r1. Roger Cummings seconded the motion. John noted that INCITS has a document retention policy in the RD-2, Section 4.5, that makes T10/98-107r1 unnecessary. In the absence of objections, the motion passed unanimously.

John Lohmeyer took an action item to notify INCITS that T10 has rescinded its document retention policy and intends to follow the INCITS document retention policy.

John noted that the effect of this change is that T10 mailings will still be prepared in the form of ZIP files, and they will be placed on the t10 web site. However, the mailings will not actually be mailed to individuals.

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 November 13, 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 delivering mailings to INCITS, 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 e-mail, 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).

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. Questions about this policy are to be referred to the participant's legal counsel or the ANSI General Counsel. The Chair showed the “three slides” from the INCITS pat_slides.pdf. No interpretation or explanation of the ISO/IEC/ITU patent policy was provided. The Chair noted that these slides and the patent declaration form are available on the INCITS web site at:

http://www.incits.org/call.htm

The Chair issued a call for patents.

John noted that he had received two patent statements since the last meeting: 08-399r0 contains a patent statement from IBM regarding SPC-4, and 08-400r0 contains a patent statement from Microsoft regarding SBC-3.

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

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

7. Review of Old Action Items

722 John Lohmeyer will conduct a Letter Ballot on forwarding FCP-4 r01. Complete.
723 Ralph Weber will prepare 08-331r1, a project proposal for OSD-3. Complete.
724 John Lohmeyer will forward 08-331r1 to INCITS as a project proposal for OSD-3. Complete.
725 John Lohmeyer will notify INCITS that T10 recommends the reaffirmation of SCSI-2, OSD, SMC-2, and SBP-3. 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 SCSI Enclosure Services - 2 (SES-2) Project 1559-D [Elliott]

John Lohmeyer reported that SES-2 is now at INCITS letter ballot for approval. It closes November 7th. It then goes to ANSI for approval and publication. George Penokie said that he had received an email pointing out a defect in SES-2. This will likely result in a project proposal for an SES-3 project.
8.3 **SCSI Stream Commands - 3 (SSC-3) Project 1611-D [Peterson]**

In the absence of Dave Peterson, Fred Knight reported on the letter ballot comments processing activities of the SSC-3 working group (minutes in 08-437).

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

John Lohmeyer reported that the SAM-4 was forwarded to ANSI last week for approval and publication.

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

Ralph Weber reported that as of the beginning of the week only nine comments remained open on the OSD-2 letter ballot (08-380r2). Two of those were resolved by the CAP working group (minutes in 08-429). He noted that OSD-2 should be ready for forwarding to public review in January.

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

In the absence of Curtis Ballard, Paul Suhler reported on the activities of the SMC-3 working group (minutes in 08-436) using an electronic report in 08-452r0, which Curtis provided.

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

Ralph Weber stated that SPC-4 revision 17 will include all the changes approved by this meeting and may be uploaded in time for the next mailing.

8.8 **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 08-329 and 08-335) using an electronic report (08-446), which he provided.

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

Rob Elliott reported that 08-212r8 will contain the proposed resolutions to all SAS-2 letter ballot comments, SAS-2 revision 14h incorporates the resolutions, and SAS-2 revision 15 incorporates all the resolutions without any review overhead (e.g., change bars).

Rob Elliott moved that 08-212r8 be approved as resolving the letter ballot comments on SAS-2 and that SAS-2 revision 15, which incorporates the comment resolutions, be forwarded to INCITS for further processing toward first public review. Mark Evans seconded the motion. The motion passed on a vote of 25:0:0:8:=33, thus meeting the Two-Thirds Rule.

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

- Rob Elliott, Hewlett Packard Co.
- Kevin Butt, IBM Corp. (by email)
- Mark Seidel, Intel
- John Lohmeyer, LSI Corp.
- Tim Symons, PMC-Sierra
- Gerry Houlder, Seagate Technology

Rob Elliott took an action item to prepare SAS-2 revision 15. John Lohmeyer took an action item to forward SAS-2 revision 15 to INCITS for further processing toward first public review.
8.10  **SCSI Block Commands - 3 (SBC-3) Project 1799-D [Evans]**

Mark Evans reported that a new revision of SBC-3 will be uploaded before the mailing.

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

In the absence of Mark Overby, John Lohmeyer reported that SAT-2 working group meetings were held October 20 in Santa Clara, CA (minutes in 08-419) and November 4 in Santa Ana, CA (minutes in 08-428). Letter comment resolution was the primary topic of the meetings. Bill Martin noted that there will be no SAT-2 meeting in December.

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

John Lohmeyer reported that the FCP-4 letter ballot passed 22:4:7:0=33 as documented in 08-382r1. Comments were received from 7 organizations.

In the absence of Dave Peterson, David Black reported on the activities of the FCP-4 working group (minutes in 08-449).

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

Bill McFerrin reported on the activities of MMC-6 working group (minutes in 08-456). The working group accepted its last new technical input. Obsoleting unused features has been a major activity lately.

8.14  **Automation/Drive Interface - Commands - 3 (ADI-3) Project 1895-D [Suhler]**

Paul Suhler reported on the activities of the ADI working group (minutes in 08-329 and 08-335) using an electronic report (08-446) which Paul provided.

8.15  **USB Attached SCSI (UAS) Project 2095-D [Stevens]**

Curtis Stevens reported on the CAP working group activities related to UAS (minutes in 08-429). He noted that a new revision of UAS will be posted by the end of next week.

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

George Penokie reported that he had prepared SAM-5 revision 0, which will be included in the next mailing. He indicated that revision 1 may not be prepared until more changes are approved.

8.17  **SCSI Stream Commands - 4 (SSC-4) Project 2123-D [Peterson]**

In the absence of Dave Peterson, John Lohmeyer reported that no SSC-4 activities have taken place yet because of the work on the SSC-3 letter ballot.

8.18  **SAS Protocol Layer (SPL) Project 2124-D [Penokie]**

George Penokie reported that no SPL activities have taken place because SAS-2 revision 15 had not yet been posted. He stated a goal of preparing a strawman outline for discussion at the next meeting.

8.19  **Serial Attached SCSI - 2.1 (SAS-2.1) Project 2125-D [Cox]**

Alvin Cox reported that preliminary active cable work has been undertaken toward development of SAS-2.1 (minutes in 08-454).
8.20 SCSI / ATA Translation - 3 (SAT-3) Project 2126-D [Overby]

In the absence of Mark Overby, John Lohmeyer reported that no SAT-3 activities have taken place yet because of the ongoing work on the SAT-2 letter ballot.

8.21 Object-Based Storage Devices - 3 (OSD-3) Project 2128-D [Weber]

Ralph Weber reported that the SNIA OSD TWG is investigating two preliminary proposals for inclusion in OSD-3.

9. ISO/IEC

9.1 ISO/IEC Report [Robinson]

In the absence of Gary Robinson, John Lohmeyer presented the ISO/IEC report (see enclosure 2).

9.2 ISO/IEC Business [Robinson]

No ISO/IEC business was presented to the committee.

10. Old Business

There was no old business.

11. New Business

11.1 Actions on SAS Protocol Working Group Recommendations

Mark Evans noted that the SAS Protocol working group made no recommendations that require committee action.

11.2 Actions on SAS PHY Working Group Recommendations

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

11.3 Actions on SAT Working Group Recommendations

Bill Martin, Curtis Stevens, and Mark Evans reviewed the following SAT-2 working group recommendations for inclusion in SAT-2:

- 08-374r1 Additional Task Management Translations [Besmer]
- 08-344r2 ATA PASS-THROUGH sense data format [Elliott]

Curtis Stevens moved that 08-374r1 and 08-344r2 be approved for inclusion in the SAT-2 letter ballot comment resolution. Bill Martin seconded the motion. In the absence of objections, the motion passed unanimously.

11.4 Actions on CAP Working Group Recommendations

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

- 08-263r3 (Too much to do … Not enough Progress Counters) [Weber]
- 08-346r2 (Correction to IKEv2-SCSI Certificate Request Payload) [Suhler]

Mark Evans reviewed 08-282r3 (UAS Clause 6 (Usage)) [Stevens] a proposal recommended for inclusion in UAS.

Mark Evans reviewed 08-450r1 (Add Restricted keyword to the Style Guide) [Weber] a proposal recommended for inclusion in the T10 Style Guide.
Curtis Stevens moved that 08-263r3 and 08-346r2 be approved for inclusion in SPC-4; that 08-282r3 be approved for inclusion in UAS; and that 08-450r1 be approved for inclusion in the T10 Style Guide. Kevin Marks seconded the motion. In the absence of objections, the motion passed unanimously.

Mark Evans reviewed 08-327r2 (Restrict SPC-4 and SAM-5 codes to FC-SB-4 use) [Butt] a proposal recommended for inclusion in SAM-5 and SPC-4.

Curtis Stevens moved that 08-327r2 be approved for inclusion in SAM-5 and SPC-4. Ralph Weber seconded the motion. The motion passed on a vote of 4:0:21:7=33.

11.5 Actions on Other Working Group Recommendations

No recommendations from other working groups were presented to the committee.

12. Liaison Reports

12.1 T11 Liaison Report [Snively]

In the absence of Bob Snively, no report was made.

12.2 T13 Liaison Report [Colegrove]

Dan Colegrove provided an electronic report in 08-087r5 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, Rob Elliott reported that there is SAS-2 Plugfest next week.

12.4 IEEE P1619 [Ball]

In the absence of Matt Ball, no report was made. John Lohmeyer noted that IEEE P1619 will be meeting with T10 during the January meeting week.

13. Review of Action Items

726 John Lohmeyer will notify INCITS that T10 has rescinded its document retention policy and intends to follow the INCITS document retention policy.

727 Rob Elliott will prepare SAS-2 revision 15.

728 John Lohmeyer will forward SAS-2 revision 15 to INCITS for further processing toward first public review.

14. Meeting Schedule

The next plenary meeting of T10 will be Thursday January 15, 2009 at Lake Mary, FL and will be hosted by Symantec Corporation. The meeting announcement is available on the T10 web site at:

http://www.t10.org/meeting.htm

The meeting will begin at 1:30 p.m. on Thursday.
The meeting list for the next plenary week is:

**January 2009 Meeting Map**
*(2008/11/06 Version)*

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<td>CAP WG</td>
<td>T10 Plenary/LB cmnt</td>
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<td>Friday 1/16</td>
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<tr>
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<td>No meetings are planned for Friday</td>
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</tbody>
</table>

/ 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-3: 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)
Meeting | Date(s) | Location / Host
--- | --- | ---
ADI Call | Wed Nov 12 8:00a-10:00a PST | TBA via T10 Reflector / Quantum
SAT-2 Collateral Abort | Fri Nov 14 11:30a-1:00p PST | TBA via T10 Reflector / Overby
Power Mgt Call | Wed Nov 19 10:00a-12:00n CST | TBA via T10 Reflector / Houlder
Thin Provisioning Call | Wed Nov 19 1:00p-3:00p PST | TBA via T10 Reflector / Knight
SAT-2 ATA Security Protocol | Fri Nov 21 10:00a-12:00n PST | TBA via T10 Reflector / Overby
Authentication Call | Mon Nov 24 1:00p-3:00p EST | TBA via T10 Reflector / Black
UAS Call | Tue Dec 2 10:00a-12:00n PST | TBA via T10 Reflector / Stevens
ADI Call | Wed Dec 3 8:00a-10:00a PST | TBA via T10 Reflector / TBD
Thin Provisioning Call | Thu Dec 4 11:00a-1:00p PST | TBA via T10 Reflector / Knight
SAT-2 LB Comments | Fri Dec 5 10:00a-12:00n PST | TBA via T10 Reflector / Overby
Power Mgt Call | Wed Dec 10 10:00a-12:00n CST | TBA via T10 Reflector / Houlder
SAS PHY Call | Thu Dec 11 10:00a-12:00n CST | TBA via T10 Reflector / Cox
SMC-3 Call | Wed Jan 7 8:00a-11:00a PST | TBA via T10 Reflector / Ballard

For more information about T10 activities, please contact the following people:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Contact</th>
<th>Telephone/Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADT-2, ADC-2, ADC-3</td>
<td>Paul Stone</td>
<td>(949) 725-1874 <a href="mailto:pauldotstone@quantumdot.com">pauldotstone@quantumdot.com</a></td>
</tr>
<tr>
<td>SES-2, SAS-1.1, SAS-2</td>
<td>Rob Elliott</td>
<td>(281) 518-5037 <a href="mailto:Elliott@hp.com">Elliott@hp.com</a></td>
</tr>
<tr>
<td>SAS-2.1</td>
<td>Alvin Cox</td>
<td>(405) 381-8067 <a href="mailto:alvincox@seagate.com">alvincox@seagate.com</a></td>
</tr>
<tr>
<td>SBC-3</td>
<td>Mark Evans</td>
<td>(409) 363-5257 <a href="mailto:mark.evans@wdc.com">mark.evans@wdc.com</a></td>
</tr>
<tr>
<td>MMC-5, MMC-6</td>
<td>Bill McFerrin</td>
<td>(325) 423-1560 <a href="mailto:billmc37@ctesc.com">billmc37@ctesc.com</a></td>
</tr>
<tr>
<td>SBP-3</td>
<td>Peter Johansson</td>
<td>(510) 527-3926 <a href="mailto:PJohansson@ACM.org">PJohansson@ACM.org</a></td>
</tr>
<tr>
<td>SAM-4, SBC-3, SPL</td>
<td>George Penokie</td>
<td>(507) 328-9017 <a href="mailto:george.penokie@lsi.com">george.penokie@lsi.com</a></td>
</tr>
<tr>
<td>SAT-2, SAT-3</td>
<td>Mark Overby</td>
<td>(425) 417-9412 <a href="mailto:moverby@nvidia.com">moverby@nvidia.com</a></td>
</tr>
<tr>
<td>SMC-3</td>
<td>Noud Snelder</td>
<td>+31408446108 <a href="mailto:Noud.snelder@bdt.de">Noud.snelder@bdt.de</a></td>
</tr>
<tr>
<td>SAM-3, SPC-4, OSD-2, OSD-3</td>
<td>Ralph Weber</td>
<td>(214) 912-1373 <a href="mailto:roweber@acm.org">roweber@acm.org</a></td>
</tr>
<tr>
<td>SSC-3, SSC-4, FCP-3, FCP-4</td>
<td>Dave Peterson</td>
<td>(763) 268-6139 <a href="mailto:david.peterson@brocade.com">david.peterson@brocade.com</a></td>
</tr>
</tbody>
</table>
The long-term T10 meeting week schedule is:

<table>
<thead>
<tr>
<th>Dates</th>
<th>Location</th>
<th>Host / Comments</th>
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</thead>
<tbody>
<tr>
<td>Sep 8-12, 2008</td>
<td>Colorado Springs, CO</td>
<td>LSI Corp.</td>
</tr>
<tr>
<td>Nov 3-7, 2008</td>
<td>Santa Ana, CA</td>
<td>Western Digital</td>
</tr>
<tr>
<td>Jan 12-16, 2009</td>
<td>Orlando, FL</td>
<td>Symantec</td>
</tr>
<tr>
<td>Mar 16-20, 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>
</tr>
<tr>
<td>Sep 14-18, 2009</td>
<td>Boston, MA</td>
<td>EMC Corp.</td>
</tr>
<tr>
<td>Nov 9-13, 2009</td>
<td>Las Vegas, NV</td>
<td>Hitachi GST</td>
</tr>
<tr>
<td>Jan 11-15, 2010</td>
<td>Santa Ana, CA</td>
<td>Western Digital</td>
</tr>
<tr>
<td>Mar 8-12, 2010</td>
<td>San Jose, CA</td>
<td>Finisar</td>
</tr>
<tr>
<td>May 3-7, 2010</td>
<td>Bellevue, WA</td>
<td>Microsoft</td>
</tr>
<tr>
<td>Sep 13-17, 2010</td>
<td></td>
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</tr>
<tr>
<td>Nov 8-12, 2010</td>
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</tbody>
</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.

Bill Martin moved that T10 authorize the T10-related meetings and events in the list above that had not previously been approved. Roger Cummings 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 2:47 p.m. on Thursday November 6, 2008.
Enclosure(1) -- Meeting Attendees

<table>
<thead>
<tr>
<th>Name</th>
<th>S</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. Paul von Stamwitz</td>
<td>P</td>
<td>AMCC</td>
</tr>
<tr>
<td>Mr. Gregory McSorley</td>
<td>P</td>
<td>Amphenol Interconnect</td>
</tr>
<tr>
<td>Mr. William McFerrin</td>
<td>V</td>
<td>DataPlay</td>
</tr>
<tr>
<td>Mr. Kevin Marks</td>
<td>P</td>
<td>Dell, Inc.</td>
</tr>
<tr>
<td>Mr. David Black</td>
<td>A</td>
<td>EMC Corp.</td>
</tr>
<tr>
<td>Mr. William Martin</td>
<td>P</td>
<td>Emulex</td>
</tr>
<tr>
<td>Mr. Ralph O. Weber</td>
<td>P</td>
<td>ENDL Texas</td>
</tr>
<tr>
<td>Mr. Douglas Wagner</td>
<td>P</td>
<td>FCI</td>
</tr>
<tr>
<td>Mr. Geoffrey Hibbert</td>
<td>A</td>
<td>Finisar Corp.</td>
</tr>
<tr>
<td>Mr. Elwood Parsons</td>
<td>P</td>
<td>Foxconn Electronics</td>
</tr>
<tr>
<td>Mr. Nathan Hastad</td>
<td>AV</td>
<td>General Dynamics</td>
</tr>
<tr>
<td>Mr. Rob Elliott</td>
<td>P</td>
<td>Hewlett Packard Co.</td>
</tr>
<tr>
<td>Mr. Dan Colegrove</td>
<td>P</td>
<td>Hitachi Global Storage Tech.</td>
</tr>
<tr>
<td>Dr. Mark Seidel</td>
<td>P</td>
<td>Intel Corp.</td>
</tr>
<tr>
<td>Mr. John Geldman</td>
<td>P</td>
<td>Lexar Media, Inc.</td>
</tr>
<tr>
<td>Mr. John Lohmeyer</td>
<td>P</td>
<td>LSI Corp.</td>
</tr>
<tr>
<td>Mr. George Penokie</td>
<td>A</td>
<td>LSI Corp.</td>
</tr>
<tr>
<td>Mr. Paul Wassenberg</td>
<td>A</td>
<td>Marvell Semiconductor, Inc.</td>
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<tr>
<td>Mr. Robert Griswold</td>
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<td>Microsoft Corp.</td>
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<tr>
<td>Mr. Jay Neer</td>
<td>P</td>
<td>Molex Inc.</td>
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<tr>
<td>Mr. Frederick Knight</td>
<td>P</td>
<td>NetApp</td>
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<tr>
<td>Mr. Tim Symons</td>
<td>P</td>
<td>PMC-Sierra</td>
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<tr>
<td>Dr. Paul Suhler</td>
<td>P</td>
<td>Quantum Corp.</td>
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<td>Mr. John Osterlund</td>
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<td>Samsung</td>
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<tr>
<td>Mr. Dave Landsman</td>
<td>A</td>
<td>SanDisk Corporation</td>
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<tr>
<td>Mr. Alvin Cox</td>
<td>A</td>
<td>Seagate Technology</td>
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<tr>
<td>Mr. Gerald Houlder</td>
<td>P</td>
<td>Seagate Technology</td>
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<td>Mr. Dale LaFollette</td>
<td>P</td>
<td>Sun Microsystems, Inc.</td>
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<tr>
<td>Mr. Roger Cummings</td>
<td>P</td>
<td>Symantec Corporation</td>
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<tr>
<td>Mr. Scott Shuey</td>
<td>A</td>
<td>TycoElectronics</td>
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<tr>
<td>Mr. Mark Evans</td>
<td>P</td>
<td>Western Digital</td>
</tr>
<tr>
<td>Mr. Curtis Stevens</td>
<td>A</td>
<td>Western Digital</td>
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</tbody>
</table>

32 People Present

Status Key:  
P - Principal  
A - Alternate  
AV - Advisory Member  
E - Emeritus  
L - Liaison  
V - Visitor
## Enclosure(2) -- ISO Status

### T10 ISO Status Report - 11/06/2008

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<tr>
<th>ISO Proj.</th>
<th>Acronym</th>
<th>Part Num.</th>
<th>Last Step Completed</th>
<th>Comments</th>
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<tbody>
<tr>
<td>1.25.13.____</td>
<td>SAM-4</td>
<td>14776-414</td>
<td>S1: SC25 started ballot on NWIP</td>
<td>US votes for NWIP</td>
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<tr>
<td>1.25.13.11.22</td>
<td>SES-2</td>
<td>14776-372</td>
<td>S2: NWIP Approved</td>
<td>STILL !!!!! Waiting for FCD text</td>
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<td>1.25.13.____</td>
<td>SAT</td>
<td>14776-921</td>
<td>S3: SC25 TAG votes on FCD in SC25</td>
<td>FCD Ballot, 25N1502, ends 8/12/2008, USA Voted Yes, needs editing before FCD ballot ends</td>
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<tr>
<td>1.25.13.11.46</td>
<td>SAS-1.1</td>
<td>14776-151</td>
<td>S4: FDIS sent to SC25</td>
<td>FCD approved, FDIS text sent to SC25, needs editorial issues between T10 and ITTF settled</td>
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<tr>
<td>1.25.13.18-2</td>
<td>ATAPI-7-2</td>
<td>24739-2</td>
<td>S5: FDIS Motion sent to INCITS</td>
<td>FDIS Motion in T10 Completed, waiting for JTC1 ballot</td>
</tr>
<tr>
<td>1.25.13.18-3</td>
<td>ATAPI-7-3</td>
<td>24739-3</td>
<td>S5: FDIS Motion sent to INCITS</td>
<td>FDIS Motion in T10 Completed, waiting for JTC1 ballot</td>
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<tr>
<td>1.25.13.11.38</td>
<td>PIP</td>
<td>14776-121</td>
<td>S5: FDIS ballot complete</td>
<td>Completed FDIS Ballot</td>
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<tr>
<td>1.25.13.11.33</td>
<td>SPC-3</td>
<td>14776-453</td>
<td>S5: FDIS ballot complete</td>
<td>FDIS Approved</td>
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<tr>
<td>1.25.13.11.25.01</td>
<td>RBC-2</td>
<td>14776-326</td>
<td>S5: SC25 requests JTC1 to start FDIS ballot</td>
<td>FDIS text sent, Editing needs to be settled</td>
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<td>1.25.13.18-1</td>
<td>ATAPI-7-1</td>
<td>24739-1</td>
<td>S6: SC25 sends FDIS to JTC1 for publishing</td>
<td>Ready for publication, but needs some questions answered by Editor</td>
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<tr>
<td>1.25.13.10.14</td>
<td>RL</td>
<td>24740</td>
<td>S6: SC25 sends FDIS to JTC1 for publishing</td>
<td>Approved as IS</td>
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<tr>
<td>1.25.13.11.45</td>
<td>SAM-3</td>
<td>14776-413</td>
<td>S6: SC25 sends FDIS to JTC1 for publishing</td>
<td>Sent for publication</td>
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<tr>
<td>1.25.13.11.47</td>
<td>FCP-3</td>
<td>14776-223</td>
<td>S7: IS Published</td>
<td>Published</td>
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<td>1.25.13.11.19</td>
<td>SAM-2</td>
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<td>1.25.13.11.31</td>
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<td>14776-322</td>
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<tr>
<td>1.25.13.11.13</td>
<td>SMC</td>
<td>14776-351</td>
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<td>1.25.13.____</td>
<td>SPC</td>
<td>14776-311/451</td>
<td>S8: WITHDRAWAL, INCITS as JTC1 TAG votes</td>
<td>INCITS Approved Withdrawal</td>
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<td>ISO Proj.</td>
<td>Acronym</td>
<td>Part Num.</td>
<td>Last Step Completed</td>
<td>Comments</td>
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<tr>
<td>1.25.13.11.28</td>
<td>SPI-4</td>
<td>14776-114</td>
<td>S8: WITHDRAWAL, INCITS as JTC1 TAG votes</td>
<td>INCITS Approved Withdrawal</td>
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<tr>
<td>1.25.13.11.39</td>
<td>SBP-3</td>
<td>14776-233</td>
<td>S8: WITHDRAWAL, SC25 Resolution</td>
<td>Voted to remove from SC25 Program of Work, Resolution BL-WG4-13</td>
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<td>1.25.13.11.37</td>
<td>SSM-2</td>
<td>14776-132</td>
<td>S8: WITHDRAWAL, SC25 Resolution</td>
<td>Voted to remove from SC25 Program of Work., Resolution BL-WG4-11</td>
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<tr>
<td>25.13.11.34</td>
<td>SRP</td>
<td>14776-241</td>
<td>This project is known to ISO but not active in T10</td>
<td></td>
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Enclosure(3) -- T10 Attendance Database
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