

Accredited Standards Committee*
InterNational Committee for Information Technology Standards (INCITS)

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Date: May 24, 2007

Reply to: John Lohmeyer

To: T10 Membership
From: Ralph Weber / John Lohmeyer
Subject: Minutes of T10 Plenary Meeting #79 -- May 10, 2007
Bellevue, WA

Agenda

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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 May 10, 2007. He thanked Bob Griswold and Mark Benedikt of Microsoft 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 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 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 (\$800 per year).

John briefly discussed the mailing fees. Complete pricing information is contained in the 2007 membership form (available at http://www.t10.org/ftp/t10/mem_form.txt).

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 7 people from 4 organizations informing them that their membership was in jeopardy due to non-attendance (see 07-152r1) and that their membership would be terminated if they did not attend this meeting. The following organizations were in attendance jeopardy:

- Foxconn Electronics
- General Dynamics
- Hitachi Cable Manchester
- Iomega Corp.

All organizations in attendance jeopardy were present except:

- Hitachi Cable Manchester

Their representatives were changed to Advisory (non-voting) status.

John noted that NeoScale Systems Inc. joined T10 as a voting member since the last T10 meeting with Faisal Faruqi as Principal and Landon Noll as Alternate.

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

The T10 membership during the meeting was 40 organizations, down from the 41 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. The current letter ballot jeopardy status is as shown:

T10 Letter Ballot Jeopardy Report -- 2006/11/03

	Ballot: 06-080r0	06-184r0	06-446r0
	Report: 06-081r0	06-185r0	06-447r0
Organization	Acronym: SAT	MMC-5	ADC-2
Iomega Corp.	Yes	Yes	DNV
Nvidia Corp.	No	Yes	DNV
Vitesse Semiconductor	Abs	Abs	DNV

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 2007 - Memphis, TN (T10/07-117r0)

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. on Thursday May 17, 2007. 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 Logic 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)

626-5739. Gene Milligan prepared a useful "Handy dandy Technical Committee's Patents Guide", which is available at <ftp://ftp.t10.org/t10/document.99/99-291r0.pdf>.

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.

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

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

- 651 Bob Nixon will coordinate bi-directional read/write issues between FCP and OSD-2. *Complete.*
- 655 John Lohmeyer will forward the nomination Bill Ham as an Emeritus Member to INCITS for their approval. *Complete and approved by INCITS EB.*
- 656 John Lohmeyer will report the addition of the IEEE P1619 Liaison to INCITS. *Complete.*
- 657 John Lohmeyer will forward 07-086r1 to INCITS for their approval as the new T10 policy for T10 plenary meetings and accompanying meeting weeks. *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.

Gary Robinson reported on the new fee structure that will take effect in 2008. The new fees are \$1,200/year for the TC and/or the first TG, plus \$400 for each additional TG.

8.1.1 INCITS Antitrust Guidelines

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

8.3 SCSI Enclosure Services - 2 (SES-2) Project 1559-D [Elliott]

Rob Elliott reported that SES-2 r17 containing all approved proposals will be uploaded in time for the mailing.

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

In the absence of Dave Peterson, Paul Suhler reported on the activities of the SSC-3 working group (minutes in 07-238) by reviewing the electronic report Dave provided in 07-247r0.

8.5 MultiMedia Command Set - 5 (MMC-5) Project 1675-D [McFerrin]

John Lohmeyer reported that MMC-5 (INCITS 430-200x) finishes the seven-day management review on Friday May 11th. It then goes to the 30-day INCITS Executive Board approval letter ballot. It should go to ANSI shortly thereafter for approval and publication.

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

George Penokie reported that a new revision of SAM-4 will be posted, hopefully in time for the mailing.

He reminded the committee of plans to conduct a forwarding Letter Ballot on SAM-4 after the July plenary. Any proposals related security will be placed in SAM-5. Any other SAM proposals should be brought to the committee's attention before July.

8.7 SCSI / ATA Translation (SAT) Project 1711-D [Sheffield]

John Lohmeyer reported that SAT (INCITS 431-200x) finishes the seven-day management review on Friday May 11th. It then goes to the 30-day INCITS Executive Board approval letter ballot. It should go to ANSI shortly thereafter for approval and publication.

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

Ralph Weber reported that no new proposals have been approved for inclusion in OSD-2 so r02 will remain the current revision until at least July.

8.9 SCSI Media Changer Command Set - 3 (SMC-3) Project 1730-D [Banther]

In the absence of Michael Banther, Paul Suhler reported on the activities of the SMC-3 working group (minutes in 07-239) and reviewed the electronic report (07-245r0) provided by Michael.

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

Ralph Weber reported that SPC-4 r10 incorporating all approved proposals from the March meeting week was posted in April. SPC-4 r11 will be posted prior to the July meeting but not in time for the mailing. SPC-4 r11 will incorporate all approved proposals.

8.11 Serial Attached SCSI Driver Interface (SDI) Project 1740-D [Elliott]

Rob Elliott noted that there has been no activity on this project. He asked if there is still any interest in SDI. Mark Overby asked that the project be kept open at least until July.

8.12 Automation/Drive Interface - Commands - 2 (ADC-2) Project 1741-D [Suhler]

Paul Suhler reported on the activities of the ADI working group (minutes in 07-206) and provided an electronic report in 07-234r0. He noted that the group is planning to complete ADC-2 Letter Ballot comment resolution during the July meeting week. He asked that those who voted no on the Letter Ballot review the comments resolution in 06-475r3 and prepare to change their votes during the July meeting week.

Paul also noted that a new project proposal for ADC-3 is planned for processing in July.

John Lohmeyer was given an action item to add the ADC-3 project proposal to the July T10 agenda.

8.13 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 07-206) and provided an electronic report in 07-234r0.

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

Rob Elliott reported that several SAS-2 protocol proposals have been recommended (minutes in 07-183 and 07-210). The SAS-2 physical working group (minutes in 07-198 and 07-243) recommendation some SAS-2 changes too. See agenda items 10.2 and 10.3.

SAS-2 revision 10 will be posted containing all approved proposals in time for the mailing.

8.15 SCSI Block Commands - 3 (SBC-3) Project 1799-D [Penokie]

George Penokie reported that a new revision of SBC-3 containing the proposal approved by this meeting will be uploaded but maybe not in time for the mailing.

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

Mark Overby reported that work is progressing well on SAT-2 (minutes in 07-211). SAT-2 revision 1 will be available in time for the July meeting, but maybe not in time for the mailing.

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

In the absence of Dave Peterson, Bob Nixon reported on the activities of the FCP-4 working group (minutes in 07-240) and reviewed an electronic report in 07-248r0 provided by Dave.

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

Bill McFerrin reported that the Mt. Fuji group and MMC WG are meeting jointly. This meeting week the primary topic was DVD dual layer. Bill noted that MMC-6 still needs an editor.

9. Old Business**9.1 More Zone Groups (07-017r2) [Johnson]**

John Lohmeyer stated that 07-017r2 had been recommended by the March SAS working group, but not processed by T10 in March because the Two-Week rule was invoked.

John Lohmeyer moved that 07-017r2 be approved for inclusion in SAS-2. Chris Fore seconded the motion. The motion passed 15:0:18:8=40.

9.2 Task Tag Length and FCP (07-139r1) [Peterson]

Rob Elliott asked that discussion of this topic be remanded to the FCP-4 working group. George Penokie asked that this topic be removed from future T10 agendas until the FCP-4 working group addresses it.

10. New Business**10.1 2007 Five-Year Maintenance Review of INCITS/T10 Standards (07-195) [Bennett]**

John Lohmeyer reported that INCITS is seeking T10's recommendation regarding reaffirmation, revision, or withdrawal of GPP.

George Penokie moved that T10 recommend withdrawal of GPP (INCITS TR-16). Bob Nixon seconded the motion. The motion passed 30:0:2:8=40.

John Lohmeyer took an action item inform INCITS that T10 recommends withdrawal of GPP (INCITS TR-16).

10.2 Actions on SAS Protocol Working Group Recommendations

George Penokie and Rob Elliott reviewed the following proposals recommended for inclusion in SAS-2 (from April 18-19 meeting):

- 07-124r0 (Remove Messages Between State Machines annex) [Elliott]
- 07-128r0 (Target handling of retransmit write DATA frames) [Sheffield]
- 07-154r1 (ATTACHED SAS ADDRESS for virtual phys) [Sheffield]
- 07-176r0 (SMP function result for incomplete descriptor lists) [Elliott]
- 07-178r0 (Connection request livelock avoidance) [Elliott]
- 07-167r0 (Add SNTT timer to SP_27:SAS_Settings) [Sheffield]
- 07-155r0 (Add expander reduced functionality to REASON field) [Elliott]

George Penokie reviewed the following proposals recommended for inclusion in SAS-2:

- 07-166r2 (Clarify scope of retransmitted XFER_RDY & RESPONSE) [Sheffield]
- 07-177r2 (Port layer wide port ordering) [Elliott]
- 07-090r1 (Transmit IDENTIFY three times) [Elliott]
- 07-228r0 (ResetStatus port selector fixxes) [Day]
- 06-476r2 (WWN-based Attached Device Name for SATA) [Elliott]
- 06-373r3 (Zone manager password) [Elliott]
- 07-233r0 (Function result for 256 zone support) [Symons]
- 07-094r2 (UML changes for logical phys) [Penokie]

Rob Elliott moved that 07-124r0, 07-128r0, 07-154r1, 07-176r0, 07-178r0, 07-167r0, 07-155r0, 07-166r2, 07-228r0, 06-476r2, 07-233r0, and 07-094r2 be approved for inclusion in SAS-2. Bob Sheffield seconded the motion. The motion passed on a vote of 25:0:5:10=40.

Rob Elliott moved that 07-177r2 be approved for inclusion in SAS-2. Jim Scott seconded the motion. The motion passed on a vote of 11:0:19:10=40.

Rob Elliott moved that 07-090r1 be approved for inclusion in SAS-2. Mark Overby seconded the motion. Gerry Houlder stated that he would be voting against the proposal because his hardware cannot tolerate consecutive Identify frames unless there is at least one Dword between them. Steve Finch stated that he was not against the proposal, but he expressed concerns that no timing is specified for the send-three definition. The motion failed on a vote of 4:5:21:10=40.

Rob Elliott moved that 06-373r3 be approved for inclusion in SAS-2. Tim Symons seconded the motion. The motion passed on a vote of 6:1:25:8=40.

10.3 Actions on SAS PHY Working Group Recommendations

George Penokie reviewed 07-209r0 (Mini SAS 4x cable plug pull tab color) [Elliott and Neer] a proposal recommended for inclusion in SAS-2.

Rob Elliott moved that 07-209r0 be approved for inclusion in SAS-2. Bob Nixon seconded the motion. The motion passed on a vote of 20:2:10:8=40.

10.4 Actions on SAT Working Group Recommendations

George Penokie and Mark Overby reviewed the following proposals recommended for inclusion in SAT-2:

- 07-074r2 (Translation of SECURITY PROTOCOL IN/OUT) [Hatfield]
- 07-146r0 (Fix command summary for SEND DIAGNOSTIC) [Sheffield]
- 07-148r0 (Use something other than 'comprises') [Sheffield]

Bob Sheffield moved that 07-074r2, 07-146r0, and 07-148r0 be approved for inclusion in SAT-2. Mark Overby seconded the motion. The motion passed on a vote of 17:0:14:9=40.

10.5 Actions on CAP Working Group Recommendations

George Penokie reviewed 07-224r1 (Include deferred errors in QUERY UNIT ATTENTION) [Elliott] a proposal recommended for inclusion in SAM-4.

George Penokie reviewed the following proposals recommended for inclusion in SPC-4:

- 07-216r1 (NAA Locally Assigned designator format) [Elliott]
- 07-196r0 (LOG SELECT CDB page/subpage field usage) [Weber]
- 07-184r0 (Request for security protocol) [Ballard]
- 07-172r1 (Target Port Group membership clarification) [Knight]
- 07-159r1 (Add QTSS and QUAS bits to REPORT SUPPORTED TMF) [Elliott]

George Penokie reviewed 07-208r0 (Rename field in READ CAPACITY(16) parameter data) [Houlder] a proposal recommended for inclusion in SBC-3.

George Penokie reviewed 07-203r0 (Block Device Characteristics VPD page and medium rotation rate field) [Elliott] a proposal recommended for inclusion in SPC-4 and SBC-3.

George Penokie reviewed the following proposals recommended for inclusion in SES-2:

- 07-163r0 (New element status code) [Penokie]
- 07-202r1 (Indication if element may be hot swapped) [Penokie]

Rob Elliott moved that 07-224r1 be approved for inclusion in SAM-4; that 07-216r1, 07-196r0, 07-184r0, 07-172r1, and 07-159r1 be approved for inclusion in SPC-4; that 07-208r0 be approved for inclusion in SBC-3; that 07-203r0 as amended by the CAP working group (minutes in 07-212) be approved for inclusion in SPC-4 and SBC-3; that 07-163r0 and 07-202r1 be approved for inclusion in SES-2. Fred Knight seconded the motion. The motion passed on a vote of 28:0:2:10=40.

10.6 Actions on Other Working Group Recommendations

No recommendations were made by other working groups.

11. ISO/IEC

11.1 ISO/IEC Report [Robinson]

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

11.2 ISO/IEC Business [Robinson]**11.2.1 Approval of 25N1319, CD ISO/IEC 14776-151, SAS-1.1 [Robinson]**

Gary Robinson moved that T10 recommends that the SC25 TAG vote to approve 25N1319, CD ISO/IEC 14776-151 Information technology Small Computer System Interface Part 151: Serial Attached SCSI - 1.1 (SAS-1.1). Curtis Stevens seconded the motion. The motion passed as follows:

Organization	Voter	Vote
Adaptec, Inc.	Chris Fore	Yes
AMCC	Paul von Stamwitz	Yes
Amphenol Interconnect	Gregory McSorley	Yes
Brocade		(not present)
Dallas Semiconductor	Steve Robalino	Yes
Dell, Inc.		(not present)
EMC Corp.	Gary S. Robinson	Yes
Emulex	Robert H. Nixon	Yes
ENDL	Ralph O. Weber	Yes
FCI	Douglas Wagner	Yes
Foxconn Electronics	Elwood Parsons	Yes
Fujitsu		(not present)
General Dynamics	Nathan Hastad	Yes
Hewlett Packard Co.	Rob Elliott	Yes
Hitachi Global Storage Tech.	Dan Colegrove	Yes
IBM Corp.	George O. Penokie	Yes
Intel Corp.		(not present)
Iomega Corp.	Robert Payne	Yes
Kawasaki Microelectronics Am	Joel Silverman	Yes
KnowledgeTek, Inc.	Dennis Moore	Yes
Lexar Media, Inc.	John Geldman	Yes
LSI Corp.	John Lohmeyer	Yes
Marvell Semiconductor, Inc.		(not present)
Microsoft Corp.	Mark Benedikt	Yes
Molex Inc.		(not present)
NeoScale Systems Inc.		(not present)
Network Appliance	Frederick Knight	Yes
Nvidia Corp.	Mark Overby	Yes
Panasonic Technologies, Inc	Takaharu Ai	Yes
PMC-Sierra	Tim Symons	Yes
Quantum Corp.	Paul Suhler	Yes
Samsung	Michael Rogers	Yes
SanDisk Corporation	Avraham Shimor	Yes
Seagate Technology	Gerald Houlder	Yes
STMicroelectronics, Inc.	Stephen Finch	Yes
Sun Microsystems, Inc.	Erich Oetting	Yes
Symantec	Roger Cummings	Yes
TycoElectronics	Dan Gorenc	Yes
Vitesse Semiconductor	Jim Scott	Yes
Western Digital	Mark Evans	Yes

This two-thirds international roll call vote passed (33:0:0:7=40).

Gary Robinson took an action item to recommend that the SC25 TAG vote to approve 25N1319, CD ISO/IEC 14776-151 Information technology Small Computer System Interface Part 151: Serial Attached SCSI - 1.1 (SAS-1.1).

12. Liaison Reports

12.1 T11 Liaison Report [Snively]

In the absence of Bob Snively, John Lohmeyer summarized the T11 electronic liaison report (07-225r0).

12.2 T13 Liaison Report [Colegrove]

Dan Colegrove provided an oral report to the committee on the activities of T13. For details regarding T13 activities see www.t13.org.

12.3 SFF Industry Group [Allan]

In the absence of Dal Allan, no SFF Industry Group liaison report was available.

12.4 SCSI Trade Association (STA) [Czekalski]

In the absence of Marty Czekalski, John Lohmeyer reviewed an electronic report (07-246r0) on the activities of the SCSI Trade Association.

12.5 IETF SCSI over IP [Black]

David Black reported that the IPS working group has basically the same status as reported in March.

12.6 SNIA [open]

No report was made.

12.7 Trusted Computing Group [Fitzpatrick]

In the absence of Mike Fitzpatrick, no report was presented.

12.8 MIPI Alliance [Shimor]

Avraham reported that no new status was available from the MIPI Alliance.

12.9 IEEE P1619 [Ball]

Matt Ball prepared an electronic report (07-241r0), which Gideon Avida presented.

13. Review of Action Items

- 658 John Lohmeyer will add the ADC-3 project proposal to the July T10 agenda.
- 659 John Lohmeyer will inform INCITS that T10 recommends withdrawal of GPP (INCITS TR-16).
- 660 Gary Robinson will recommend that the SC25 TAG vote to approve 25N1319, CD ISO/IEC 14776-151 Information technology Small Computer System Interface Part 151: Serial Attached SCSI - 1.1 (SAS-1.1).

14. Meeting Schedule

The next plenary meeting of T10 will be Thursday July 12, 2007 in Colorado Springs, CO at the Antlers Hilton Hotel (Reservations: http://www.hilton.com/en/hi/groups/personalized/coscshf_lsi07/index.jhtml) hosted by LSI Corp. The meeting will begin at 1:30 p.m. on Thursday.

The meeting list for the next plenary week is:

July 2007 Meeting Map
(2007/05/10 Version)

Monday 7/9	9	10	11	12	1	2	3	4	5	6	7	8	
	+=====+												
	ADI-2 WG / SMC-3 WG												(15)
	+=====+												
	SAS Protocol WG												(40)
	+=====+												
	IEEE P1619.3/ P1619.1												(20)
	+-----+												
Tuesday 7/10	9	10	11	12	1	2	3	4	5	6	7	8	
	+=====+												
	SAS Physical WG												(45)
	+=====+												
	SAT WG							STA Marcom *					(20)
	+=====+												
	TCG KMSS *							TCG SIIF *					(20)
	+-----+												
	FCP-4 / SSC-3 WG												(25)
	+=====+												
	Mt Fuji												(25)
	+-----+												
Wednesday 7/11	9	10	11	12	1	2	3	4	5	6	7	8	
	+=====+												
	CAP WG												(45)
	+=====+												
								SFF					(25)
	+-----+												
	MMC WG							Mt Fuji					(25)
	+=====+												
	STA Plenary * / TCC*												(20)
	+-----+												
Thursday 7/12	9	10	11	12	1	2	3	4	5	6	7	8	
	+=====+												
	CAP WG							T10 Plenary/SAM Edit					(50/10)
	+=====+												
Friday 7/13	9	10	11	12	1	2	3	4	5	6	7	8	
	No meetings 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.

Other T10-authorized meetings:

Meeting	Date	Location / Contact
SAS Protocol Call(s)	TBA	TBA via T10 reflector / Elliott
SAS PHY Calls	Weekly Thu 10a CDT	TBA via T10 reflector / Cox
ADC-2 Call	May 30 8a-10a PDT	TBA via T10 reflector / Banther
Security Calls	TBA	TBA via T10 reflector / Penokie
SMC-3 Call	Jun 13 8a-10a PDT	TBA via T10 reflector / Banther
ADC-2 Call	Jun 20 8a-10a PDT	TBA via T10 reflector / Banther
Security Call	TBA	TBA via T10 reflector / Penokie

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
 IEEE P1619: IEEE Security in Storage Working Group
 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)

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

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ADT, ADC, ADT-2, ADC-2	Paul Entzel	(720) 406-5782 paul.entzel@quantum.com
SBC-2, SES-2, SAS-1.1, SAS-2, BCC, SDI	Rob Elliott	(281) 518-5037 Elliott@hp.com
MMC-5, MMC-6	Bill McFerrin	(325) 423-1560 billmc37@ctesc.net
SBP-3	Peter Johansson	(510) 527-3926 PJohansson@ACM.org
SAM-4, SBC-3	George Penokie	(507) 253-5208 gop@us.ibm.com
SAT	Bob Sheffield	(480) 554-8597 robert.l.sheffield@intel.com
SAT-2	Mark Overby	(425) 417-9412 moverby@nvidia.com
SMC-2	Erich Oetting	(303) 673-2178 Erich_Oetting@Stortek.com
SMC-3	Noud Snelder	+31408446108 Noud.snelder@bdt.de
SPC-3, SAM-3, SPC-4, OSD-2	Ralph Weber	(214) 912-1373 roweber@acm.org
SSC-3, FCP-3, FCP-4	Dave Peterson	(763) 268-6139 david.peterson@mcddata.com
Other Activities	John Lohmeyer	(719) 533-7560 lohmeier@t10.org

The long-term T10 meeting week schedule is:

Date	Location	Host/Comments
Approved dates and locations for 2007:		
Jul 9-13, 2007	Colorado Springs, CO	LSI
Sep 17-21, 2007	Vancouver, BC Canada	PMC-Sierra
Nov 5-9, 2007	Las Vegas, NV	Hitachi GST
Approved dates, locations, and hosts for 2008:		
Jan 14-18, 2008	Santa Ana, CA	Western Digital
Mar 10-14, 2008	Raleigh, NC	Network Appliance
May 5-9, 2008	Santa Clara, CA	Nvidia
Jul 14-18, 2008	Anchorage, AK	Emulex
Sep 8-12, 2008	Colorado Springs, CO	LSI
Nov 3-7, 2008	Orlando, FL	Symantec
Proposed dates and tentative locations and hosts for 2009:		
Jan 12-16, 2009		
Mar 9-13, 2009		
May 4-8, 2009	Seattle, WA	Microsoft
Jul 13-17, 2009	Colorado Springs, CO	LSI
Sep 7-11, 2009		
Nov 9-13, 2009	Las Vegas, NV	Hitachi GST

John Lohmeyer moved and Bob Nixon seconded that T10 approve Emulex hosting the July 2008 T10 meeting week in Anchorage, AK and move the Colorado Springs meeting hosted by LSI to September 2008. John Lohmeyer noted that this motion requires a two-thirds vote per the T10 policy 07-086r1. The motion passed 24:0:5:11=40.

John Lohmeyer moved and Erich Oetting seconded that T10 approve the 2009 meeting dates and the November 2009 location and host. In the absence of any objections, the motion passed unanimously.

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.

Erich Oetting moved that T10 authorize the T10-related meetings and events in the list above that had not previously been approved through the end of June 2007. 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 3:30 p.m. on Thursday May 10, 2007.

Enclosure(1) -- Meeting Attendees

Name	S	Organization
Mr. Chris Fore	P	Adaptec, Inc.
Mr. Paul von Stamwitz	P	AMCC
Mr. Gregory McSorley	P	Amphenol Interconnect
Mr. Jaremy Flake	AV	ATL Technology
Mr. David Peterson	P	Brocade
Mr. Steve Robalino	A	Dallas Semiconductor
Mr. Gideon Avida	P	Decru
Mr. David Black	A	EMC Corp.
Mr. Gary S. Robinson	P	EMC Corp.
Mr. William Martin	P	Emulex
Mr. Robert H. Nixon	A	Emulex
Mr. Ralph O. Weber	P	ENDL Texas
Mr. Douglas Wagner	P	FCI
Mr. Elwood Parsons	P	Foxconn Electronics
Mr. Nathan Hastad	P	General Dynamics
Mr. Rob Elliott	P	Hewlett Packard Co.
Mr. Dan Colegrove	P	Hitachi Global Storage Tech.
Mr. George O. Penokie	P	IBM Corp.
Mr. Sivan Tal	V	IBM Corp.
Mr. Robert Sheffield	P	Intel Corp.
Mr. Robert Payne	P	Iomega Corp.
Mr. Joel Silverman	P	Kawasaki Microelectronics Am
Mr. Dennis Moore	P	KnowledgeTek, Inc.
Mr. John Geldman	P	Lexar Media, Inc.
Mr. John Lohmeyer	P	LSI Corp.
Mr. Paul Wassenberg	A	Marvell Semiconductor, Inc.
Mr. Mark Benedikt	P	Microsoft Corp.
Mr. Robert Griswold	A	Microsoft Corp.
Mr. Landon Noll	A	NeoScale Systems Inc.
Mr. Frederick Knight	A	Network Appliance
Mr. Mark Overby	P	Nvidia Corp.
Mr. Takaharu Ai	A	Panasonic AVC Networks Co.
Mr. Tim Symons	P	PMC-Sierra
Dr. Paul Suhler	A	Quantum Corp.
Mr. Michael Rogers	A	Samsung
Mr. Avraham Shimor	P	SanDisk Corporation
Mr. Alvin Cox	A	Seagate Technology
Mr. Gerald Houlder	P	Seagate Technology
Mr. Stephen Finch	P	STMicroelectronics, Inc.
Mr. Erich Oetting	P	Sun Microsystems, Inc.
Mr. Roger Cummings	P	Symantec
Ms. Ashlie Fan	P	TycoElectronics
Mr. Dan Gorenc	A	TycoElectronics
Mr. Scott Shuey	A#	TycoElectronics
Mr. Jim Scott	P	Vitesse Semiconductor
Mr. Mark Evans	P	Western Digital
Mr. Curtis Stevens	A	Western Digital

47 People Present

Status Key: P - Principal L - Liaison
 A,A# - Alternate E - Emeritus
 AV - Advisory Member V - Visitor

Enclosure(2) -- ISO Status

T10 ISO Status Report - 05/10/2007

ISO Proj.	Acronym	Part Num.	Last Step Completed	Comments
1.25.13.10.14	RL	24740	S3: FCD Ballot completed	FCD Approved, 25n1257, Japan needs to supply FDIS text
1.25.13.11.13	SMC	14776-351	S7: IS Published	
1.25.13.11.19	SAM-2	14776-412	S7: IS Published	Published
1.25.13.11.22	SES-2	14776-372	S2: NWIP Approved	Waiting for FCD text
1.25.13.11.28	SPI-4	14776-114	S8: WITHDRAWAL, INCITS as JTC1 TAG votes	INCITS Approved Withdrawal
1.25.13.11.31	SBC-2	14776-322	S7: IS Published	
1.25.13.11.33	SPC-3	14776-453	S1: SC25 started ballot on NWIP	NWIP in ballot, SC25 N1247, US voted YES, FCD text available
1.25.13.11.37	SSM-2	14776-132	S8: WITHDRAWAL, SC25 Resolution	Voted to remove from SC25 Program of Work., Resolution BL-WG4-11
1.25.13.11.38	PIP	14776-121	S3: FCD Ballot completed	FCD Approved, SC25n1226, Editor changing to FDIS text
1.25.13.11.39	SBP-3	14776-233	S8: WITHDRAWAL, SC25 Resolution	Voted to remove from SC25 Program of Work, Resolution BL-WG4-13
1.25.13.11.45	SAM-3	14776-413	S5: INCITS votes on FDIS in JTC1	US approved FDIS, responded to pre-publishing questions 01/05/2007
1.25.13.11.46	SAS-1.1	14776-151	S3: TC motion on FCD	Is out for CD ballot before FCD. (Comment should be CD not FCD) NEED Motion
1.25.13.11.47	FCP-3	14776-223	S2: NWIP Approved	NWIP approved, need text
1.25.13.18-1	ATAPI-7-1	24739-1	S3: FCD Ballot completed	FCD Approved. , 25n1260, Need FDIS text. This is volume 1 of 3.

T10 ISO Status Report - 05/10/2007

ISO Proj.	Acronym	Part Num.	Last Step Completed	Comments
1.25.13.18-2	ATAPI-7-2	24739-2	S2: SC25 TAG sent FCD to SC25	FCD text ready for ballot
1.25.13.18-3	ATAPI-7-3	24739-3	S2: SC25 TAG sent FCD to SC25	FCD text ready for ballot
1.25.13.____ —	SPC	14776- 311/451	S8: WITHDRAWAL, INCITS as JTC1 TAG votes	INCITS Approved Withdrawal

Enclosure(3) -- T10 Attendance Database

Generated on 2007/05/14 at 10:11:41

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