

Accredited Standards Committee*

InterNational Committee for Information Technology Standards (INCITS)

Doc. No.: T10/08-062r0

Date: January 21, 2008

Reply to: John Lohmeyer

To: T10 Membership
From: Ralph Weber / John Lohmeyer
Subject: Minutes of T10 Plenary Meeting #83 -- January 17, 2008
Santa Ana, CA

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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 January 17, 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.

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 (\$1200 per year).

John briefly discussed the mailing fees. Complete pricing information is contained in the 2008 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 6 people from 4 organizations informing them that the organization's membership was in jeopardy due to non-attendance (see 07-509r0) and that their membership would be terminated if they did not attend this meeting. The following organizations were in attendance jeopardy:

- Adaptec, Inc.
- FCI
- General Dynamics
- Iomega Corp.

All organizations in attendance jeopardy were present, except:

- Adaptec, Inc.

That organization had its 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 39 organizations, down from the 40 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 -- 2007/12/14

Organization	Ballot:	07-434r0	07-511r0	07-513r0
	Report:	07-435r0	07-512r0	07-514r0
	Acronym:	SAM-4	SES-2	SAM4 NWIP

Adaptec, Inc.	(*)	DNV	DNV	DNV
Intel Corp.	(*)	Yes	DNV	DNV
NeoScale Systems Inc.	(*)	Yes	DNV	DNV
Nvidia Corp.		Yes	DNV	Yes

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 - November 2007 - Las Vegas, NV (T10/07-476r0)

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 January 24, 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) 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.

Mark Seidel 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

- 678 John Lohmeyer will notify the INCITS secretariat that T10 has reviewed the FDIS, 1.25.13.11.33 SPC-3 14776-453, and recommends that the JTC1 TAG vote to approve said FDIS. *Complete.*
- 679 John Lohmeyer will notify the INCITS secretariat that T10 recommends that the SC25 TAG vote to approve 25N ____, FCD ISO/IEC 24739-3 Information technology Small Computer System Interface Part 3: AT Attachment with Packet Interface - 7 Volume 3 (ATAPI-7-3). *Complete.*
- 680 John Lohmeyer will notify the INCITS secretariat that T10 recommends that the JTC1 TAG vote to confirm 14776-115: Information technology -- Small Computer System Interface (SCSI) -- Part 115:2004 Parallel Interface-5 (SPI-5). *Complete.*
- 681 John Lohmeyer will notify the INCITS secretariat that T10 recommends that the JTC1 TAG vote to revise 18372:2004: Information technology -- RapidIO(TM) interconnect specification. *Complete.*
- 682 John Lohmeyer will notify the INCITS secretariat that T10 recommends that the JTC1 TAG vote to confirm 14776-150: Information technology -- Small Computer System Interface (SCSI) -- Part 150: Serial Attached SCSI (SAS). *Complete.*
- 683 John Lohmeyer will notify the INCITS secretariat that T10 recommends that the SC25 TAG contribute a NWIP to SC25 for SAT, T10/07-500r0, as project 1.25.13.__.____, 14776-921, to mark YES on each of the 6 questions, define Gary S Robinson as Project Editor in question 4, normal standard development track is proposed in question 7, and when the NWIP ballot is available; to vote Approve. *Complete.*
- 684 John Lohmeyer will notify INCITS that T10 requests that project T10/1740-D (SDI) be withdrawn. *Complete.*
- 685 John Lohmeyer will forward the UAS project proposal (07-400r1) to INCITS for further processing. *Complete.*
- 686 Rob Elliott will prepare SES-2 r19. *Complete.*
- 687 John Lohmeyer will conduct a Letter Ballot on forwarding SES-2 r19 to first Public Review. *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.

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

John Lohmeyer reported that the letter ballot on forwarding SES-2 r19 passed 31:3:3:4=41 as documented in 07-512r0. Comments were received from 3 organizations.

Rob Elliott reported that he had posted SES-2 r19a containing resolutions to the letter ballot comments and 08-049r0, containing the proposed resolutions to the letter ballot comments thus far.

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

In the absence of Dave Peterson, Kevin Butt reported on the activities of the SSC-3 working group (minutes in 08-046). Dave provided an electronic report in 08-083r0.

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

George Penokie reported that work is in progress on resolving SAM-4 letter ballot comments. He requested three conference calls to further the work. He noted that interim revisions of SAM-4 will be posted to reflect comments resolutions as they progress.

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

Ralph Weber reported that OSD-2 r03 incorporating all proposals approved by the meetings last year will be posted by the end of the month (probably in time for the mailing).

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

Michael Banther introduced the new SMC-3 chair, Curtis Ballard.

Curtis Ballard reported on the activities of the SMC-3 working group (minutes in 08-045) and provided an electronic report in 08-084r0.

John Lohmeyer congratulated Michael Banther on his dedication to the work of this group, especially given the travel commitment required by Michael.

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

Ralph Weber reported that SPC-4 r12 incorporating all approved proposals from the July, September, and November meeting weeks had been posted within the last seven days. He stated that r13 will be posted sometime in February.

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

John Lohmeyer said that INCITS and ANSI had removed this project from T10's program of work. He will remove this item from future agendas.

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

John Lohmeyer reported that ADC-2 is at INCITS for management review and INCITS letter ballot. He expects approval this week.

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

In the absence of Paul Suhler, Michael Banther reported on the activities of the ADI working group (minutes in 08-042r1). Paul provided an electronic report in 08-067r1.

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

Rob Elliott reported that several proposals have been recommended by the SAS protocol working group (minutes in 08-059). See agenda item 10.1. The SAS-2 physical working group (minutes in 08-072) recommended seven SAS-2 proposals. See agenda item 10.2.

SAS-2 revision 14 will be posted containing all approved proposals, probably in time for the mailing.

At Rob's request, John Lohmeyer took an action item conduct a letter ballot on forwarding SAS-2 r14.

The committee asked John to conduct a 45-day letter ballot instead of the customary 30-day letter ballot due to the size of the draft standard.

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

Mark Evans reported that SBC-3 r13 will be prepared to incorporate the proposals approved this week. The new revision should be posted sometime before the next meeting.

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

Mark Overby reported that a SAT-2 working group meeting was held December 10 in Kirkland, WA (minutes in 08-017) and January 15 (minutes in 08-060). A SAT-2 working group meeting is planned for February 22 in Lake Forest, CA with T13.

He noted that last technical input is after the March meeting.

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

In the absence of Dave Peterson, Ralph Weber discussed the activities of the FCP-4 working group (minutes in 08-071). Dave provided an electronic report in 08-082.

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

Bill McFerrin reported minutes for the MMC-6 working group can be found in 08-085. He noted that the major MMC-6 activity this week was the TCG security format document.

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

In the absence of Paul Suhler, Michael Banther reported on the activities of the ADI working group (minutes in 08-042r1). Paul provided an electronic report in 08-067r1.

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

Curtis Stevens reported that UAS effort would like to hold one conference call, and a face-to-face meeting probably in conjunction with the USB meeting in Atlanta.

9. Old Business

There was no old business.

10. New Business

10.1 Actions on SAS Protocol Working Group Recommendations

Mark Evans reviewed the following proposals recommended for inclusion in SAS-2:

- 07-391r3 (Limiting SAS Target response to OPEN_REJECT (RETRY)) [Penokie]
- 07-403r2 (Add SMP Report General Open Response While Configuring) [Besmer]
- 07-397r3 (Indeterminate response length to a SMP REPORT GENERAL function) [Penokie]
- 08-005r0 (Mode page tweaks) [Elliott]
- 08-011r0 (XL Forward Dword correction) [Elliott]
- 08-009r1 (Elasticity buffer clarifications) [Elliott]
- 08-010r1 (SP State Machine - SL State Machine interaction issue) [Martin]
- 08-040r0 (SMP DISCOVER Self-Configuration Levels Completed) [Besmer]
- 07-479r2 (Phy test pattern transmitter controls) [Elliott]

Rob Elliott moved that 07-391r3, 07-403r2, 07-397r3, 08-005r0, 08-011r0, 08-009r1, 08-010r1, 08-040r0, and 07-479r2 be approved for inclusion in SAS-2. Bill Martin seconded the motion. The motion passed on a vote of 20:0:6:13=39.

10.2 Actions on SAS PHY Working Group Recommendations

Alvin Cox reviewed the following proposals recommended for inclusion in SAS-2:

- 07-471r3 (Proposed Cable Tables) [McSorley]
- 08-032r4 (Proposed modifications to SSC profile definition) [Fortin]
- 08-014r4 (Remove restrictions for SSC) [Houlder, Cox]
- 07-484r2 (Interconnect Signal-to-Noise Ratio Study) [Olawsky]
- 07-486r3 (Receiver Device Physical Testing) [Witt & Bari]
- 07-339r9 (6Gbps PHY specification) [Cox]
- 07-443r1 (Calibration of Jitter Measurement Devices) [Cox]

Alvin Cox moved that 07-471r3, 08-032r4, 08-014r4, 07-484r2, 07-486r3, 07-339r9, and 07-443r1 be approved for inclusion in SAS-2. Doug Wagner seconded the motion. The motion passed on a vote of 21:0:8:10=39.

10.3 Actions on SAT Working Group Recommendations

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

- 08-016r1 (Add translation for Block Characteristics VPD Page) [Besmer]
- 08-075r1 (Proposal to add the ATA device password security feature) [Stevens]

Mark Overby moved that 08-016r1 be approved for inclusion in SAT-2. Bill Martin seconded the motion. The motion passed on a vote of 19:0:9:11=39.

Curtis Stevens moved that 08-075r1 be approved for inclusion in SAT-2. Kevin Marks seconded the motion. The motion passed on a vote of 8:1:22:8=39.

10.4 Actions on CAP Working Group Recommendations

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

- 08-053r1 (Persistent reservation fixes) [Houlder]
- 08-034r2 (Error history cleanup) [Weber]
- 08-057r0 (Allocation length advisories in Inquiry command) [Geldman]
- 07-169r7 (ESP-SCSI for Parameter Data) [Weber]
- 08-037r3 (SA Creation corrections and clarifications) [Weber]
- 08-061 CAP Minutes (ATA Power Conditions mode subpage assignment) [Knight/Overby/Weber]

Mark Evans reviewed 07-451r1 (WRITE LONG COR_DIS and WR_UNCOR interaction) [Elliott] a proposal recommended for inclusion in SPC-4 and SBC-3. Mark Evans reviewed 07-459r4 (Unit attention condition queuing) [Elliott] a proposal recommended for inclusion in SAM-4, SPC-4, and SBC-3. Mark Evans and Ralph Weber reviewed 07-454r5 (Capability based Command Security) [Tal] a proposal recommended for inclusion in SPC-4, SBC-3, SSC-3, and SMC-3.

David Black moved that 08-053r1, 08-034r2, 07-169r7, 08-037r3, and 08-061 [CAP Minutes] be approved for inclusion in SPC-4; that 07-451r1 be approved for inclusion in SPC-4 and SBC-3; that 07-459r4 be approved for inclusion in SAM-4, SPC-4, and SBC-3; that 07-454r5 be approved for inclusion in SPC-4, SBC-3, SSC-3, and SMC-3. Erich Oetting seconded the motion. The motion passed on a vote of 24:0:4:11=39.

John Geldman moved that 08-057r0 be approved for inclusion in SPC-4. Ralph Weber seconded the motion. The motion passed on a vote of 7:4:20:8=39.

Mark Evans and Rob Elliott reviewed 08-041r1 (Use period as decimal separator in T10 standards) [Elliott] a proposal recommended for the T10 Style Guide and all active T10 standards.

Rob Elliott moved that 08-041r1 be approved for the T10 Style Guide and all active T10 standards. John Lohmeyer seconded the motion. The motion passed on a vote of 14:5:8:12=39.

10.5 Actions on Other Working Group Recommendations

No recommendations were presented from other working groups.

10.6 Project Proposal: ADT-3 (08-054r0) [Suhler]

John Lohmeyer noted that the project proposal for an ADT-3 project did not meet the automatic two-week rule, so it will be deferred until the next T10 meeting.

10.7 INCITS Executive Board Request for Confirmation of Liaisons (08-058r0) [Barra]

John Lohmeyer led the committee in a discussion of its liaisons as described in 08-058r0 with a goal of removing the inactive liaisons.

Kevin Butt moved that the liaisons to SFF, SNIA, TCG, and MIPI Alliance be dropped and the other liaisons be re-confirmed. Bill Martin seconded the motion. The motion passed on a unanimous voice vote.

11. ISO/IEC

11.1 ISO/IEC Report [Robinson]

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

11.2 ISO/IEC Business [Robinson]

11.2.1 FCD Recommendation on ISO/IEC 14776-151, SAS-1.1

John Lohmeyer moved that T10 recommends that the SC25 TAG vote to approve 25N 1430, FCD ISO/IEC 14776-151 Information technology Small Computer System Interface Part 151: Serial Attached SCSI - 1.1 (SAS-1.1). Erich Oetting seconded the motion.

The motion passed on a roll call vote of 29:0:0:10=39. The details of the vote were as follows:

Organization	Voter	Vote
AMCC		(not present)
Amphenol Interconnect		(not present)
ATL Technology		(not present)
Brocade		(not present)
Dell, Inc.	Kevin Marks	Yes
EMC Corp.	David Black	Yes
Emulex	William Martin	Yes
ENDL	Ralph O. Weber	Yes
FCI	Douglas Wagner	Yes
Finisar Corp.	Geoffrey Hibbert	Yes
Foxconn Electronics	Elwood Parsons	Yes
Fujitsu	Mike Fitzpatrick	Yes
General Dynamics	Nathan Hastad	Yes
Hewlett Packard Co.	Rob Elliott	Yes
Hitachi Global Storage Tech.	Dan Colegrove	Yes
IBM Corp.	Kevin Butt	Yes
Intel Corp.	Mark Seidel	Yes
Iomega Corp.	Robert Payne	Yes
Kawasaki Microelectronics Am		(not present)
KnowledgeTek, Inc.		(not present)
Lexar Media, Inc.	John Geldman	Yes
LSI Corp.	John Lohmeyer	Yes
Marvell Semiconductor, Inc.	Paul Wassenberg	Yes
Maxim Integrated Products		(not present)
Microsoft Corp.	Robert Griswold	Yes
Molex Inc.		(not present)
NeoScale Systems Inc.		(not present)
Network Appliance	Frederick Knight	Yes
Nvidia Corp.	Mark Overby	Yes
PMC-Sierra	Tim Symons	Yes
Quantum Corp.	Paul Stone	Yes
Samsung	Michael Rogers	Yes
SanDisk Corporation		(not present)
Seagate Technology	Gerald Houlder	Yes
STMicroelectronics, Inc.	Stephen Finch	Yes
Sun Microsystems, Inc.	Erich Oetting	Yes
Symantec	Roger Cummings	Yes
TycoElectronics	Dan Gorenc	Yes
Western Digital	Mark Evans	Yes

This two-thirds international roll call vote passed (29:0:0:10=39).

John Lohmeyer and/or Gary Robinson will notify INCITS that T10 recommends that the SC25 TAG vote to approve 25N 1430, FCD ISO/IEC 14776-151 Information technology Small Computer System Interface Part 151: Serial Attached SCSI - 1.1 (SAS-1.1).

11.2.2 FDIS Recommendation on ISO/IEC 14776-223, FCP-3

John Lohmeyer moved that T10 has reviewed the FDIS, 1.25.13.11.47 FCP-3 14776-223, and recommends that the JTC1 TAG vote to approve said FDIS. Erich Oetting seconded the motion.

The motion passed on a roll call vote of 29:0:0:10=39. The details of the vote were identical to the results in 11.2.1.

John Lohmeyer and/or Gary Robinson will notify INCITS that T10 has reviewed the FDIS, 1.25.13.11.47 FCP-3 14776-223, and recommends that the JTC1 TAG vote to approve said FDIS.

12. Liaison Reports

12.1 T11 Liaison Report [Snively]

In the absence of Bob Snively, Bill Martin presented the T11 electronic liaison report (08-055r0) that Bob had prepared.

12.2 T13 Liaison Report [Colegrove]

Dan Colegrove provided an electronic report in 08-087r0 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 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]

Marty Czekalski presented an electronic report (08-086r0) on the activities of the SCSI Trade Association.

12.5 SNIA [open]

No report was made.

12.6 Trusted Computing Group [Fitzpatrick]

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

12.7 MIPI Alliance [Shimor]

In the absence of Avraham Shimor, no report was made.

12.8 IEEE P1619 [Ball]

Kevin Marks presented an electronic report (08-074r0) prepared by Matt Ball.

13. Review of Action Items

- 688 Sivan Tal will prepare 07-454r5 for incorporation in SSC-3.
- 689 Dave Peterson will prepare a new revision of SSC-3 that contains 07-454r5.
- 690 John Lohmeyer will conduct a letter ballot on the new revision of SSC-3 after it is posted.
- 691 John Lohmeyer will conduct a letter ballot forwarding SAS-2 r14.
- 692 John Lohmeyer and/or Gary Robinson will notify INCITS that T10 recommends that the SC25 TAG vote to approve 25N 1430, FCD ISO/IEC 14776-151 Information technology Small Computer System Interface Part 151: Serial Attached SCSI - 1.1 (SAS-1.1).
- 693 John Lohmeyer and/or Gary Robinson will notify INCITS that T10 has reviewed the FDIS, 1.25.13.11.47 FCP-3 14776-223, and recommends that the JTC1 TAG vote to approve said FDIS.

14. Meeting Schedule

The next plenary meeting of T10 will be Thursday March 13, 2008 in Raleigh, NC at the Hilton Raleigh-Durham Airport at Research Triangle Park Hotel (Reservations: 919-941-6000) hosted by Network Appliance. The meeting will begin at 1:30 p.m. on Thursday.

The meeting list for the next plenary week is:

March 2008 Meeting Map
(2008/01/17 Version)

Monday 3/10	9	10	11	12	1	2	3	4	5	6	7	8		
	+-----+													
	SMC-3 WG / ADI-2 WG												(15)	
	+-----+													
	SAS Protocol WG SAT WG												(40)	
	+-----+													
	IEEE P1619												(25)	
	+-----+													
	Mt Fuji												(25)	
	+-----+													
Tuesday 3/11	9	10	11	12	1	2	3	4	5	6	7	8		
	+-----+													
	SAS Physical WG												(45)	
	+-----+													
	SAT WG STA Marcom / BOD												(20)	
	+-----+													
	FCP-4 / SSC-3 WG												(25)	
	+-----+													
	Mt Fuji												(25)	
	+-----+													
Wednesday 3/12	9	10	11	12	1	2	3	4	5	6	7	8		
	+-----+													
	CAP WG												(45)	
	+-----+													
	MMC WG / Mt Fuji												(25)	
	+-----+													
	STA Plen*/TCC* SFF												(25)	
	+-----+													
Thursday 3/13	9	10	11	12	1	2	3	4	5	6	7	8		
	+-----+													
	CAP WG //// T10 Plenary/ LB cmnt												(45/50/10)	
	+-----+													
Friday 3/14	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
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)

Meeting	Date(s)	Location / Host
UAS Call	Late January	TBA via T10 Reflector / Stevens
SAM-4/SES-2 LB Calls		TBA via T10 Reflector / Penokie or Elliott
ADI Call	Wed Jan 30 8:00a-10:00a PST	TBA via T10 Reflector / HP
SMC-3 Call	Wed Feb 6 8:00a-10:00a PST	TBA via T10 Reflector / HP
UAS WG	Thu Feb 7 9:00a-3:00p EST	Atlanta, GA / (tentative)
ADI Call	Wed Feb 13 8:00a-10:00a PST	TBA via T10 Reflector / Quantum
SAS PHY Call	Thu Feb 14 10:00a-12:00n CST	TBA via T10 Reflector / Cox
SAT-2 WG	Fri Feb 22 9:00a-2:00p PST	Foothill Ranch, CA / Stevens
SAT-2 WG	Fri Apr 25 9:00a-2:00p PDT	Las Vegas, NV / Colegrove

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

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

The long-term T10 meeting week schedule is:

Dates	Location	Host / Comments
Nov 5-9, 2007	Las Vegas, NV	Hitachi GST
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 Corp.
Nov 3-7, 2008		
Jan 12-16, 2009	Lake Mary, FL	Symantec
Mar 9-13, 2009	<i>Oklahoma City, OK</i>	<i>Fujitsu</i>
May 4-8, 2009	Seattle, WA	Microsoft Corp.
Jul 13-17, 2009	Colorado Springs, CO	LSI Corp.
Sep 7-11, 2009	Boston, MA	EMC Corp.
Nov 9-13, 2009	Las Vegas, NV	Hitachi GST
Jan 11-15, 2010		
Mar 8-12, 2010		
May 3-7, 2010		
Jul 12-16, 2010		
Sep 13-17, 2010		
Nov 8-12, 2010		

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 noted that the September 2009 meeting dates need to be changed because September 7, 2009 is Labor Day. John Lohmeyer moved and David Black seconded that the September 2009 meeting dates be changed to one week later, September 14-18, 2009. In the absence of any objections, the motion passed unanimously.

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

John Lohmeyer moved and Mark Overby seconded that T10 approve the 2010 meeting dates. In the absence of any objections, the motion passed unanimously.

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.

Mark Overby moved that T10 authorize the T10-related meetings and events in the list above that had not previously been approved. Erich Oetting 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 3:55 p.m. on Thursday January 17, 2008.

Enclosure(1) -- Meeting Attendees

Name	S	Organization
Mr. Paul von Stamwitz	P	AMCC
Mr. William McFerrin	V	DataPlay
Mr. Kevin Marks	P	Dell, Inc.
Mr. David Black	A	EMC Corp.
Mr. William Martin	P	Emulex
Mr. Ralph O. Weber	P	ENDL Texas
Mr. Douglas Wagner	P	FCI
Mr. Geoffrey Hibbert	A	Finisar Corp.
Mr. Elwood Parsons	P	Foxconn Electronics
Mr. Mike Fitzpatrick	P	Fujitsu
Mr. Nathan Hastad	P	General Dynamics
Mr. Curtis Ballard	A	Hewlett Packard Co.
Mr. Michael Banther	A	Hewlett Packard Co.
Mr. Rob Elliott	P	Hewlett Packard Co.
Mr. Dan Colegrove	P	Hitachi Global Storage Tech.
Mr. Kevin Butt	P	IBM Corp.
Mr. George O. Penokie	V	Independent
Dr. Mark Seidel	P	Intel Corp.
Mr. Robert Payne	P	Iomega Corp.
Mr. John Geldman	P	Lexar Media, Inc.
Mr. Dennis Kleppen	A	LSI Corp.
Mr. John Lohmeyer	P	LSI Corp.
Mr. Paul Wassenberg	A	Marvell Semiconductor, Inc.
Mr. Takaharu Ai	V	Matsushita
Mr. Robert Griswold	A	Microsoft Corp.
Mr. Chris Fore	A	Network Appliance
Mr. Frederick Knight	P	Network Appliance
Mr. Mark Overby	P	Nvidia Corp.
Mr. Tim Symons	P	PMC-Sierra
Mr. Paul Stone	A	Quantum Corp.
Mr. Michael Rogers	A	Samsung
Mr. Alvin Cox	A	Seagate Technology
Mr. Martin Czekalski	V	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
Mr. Dan Gorenc	A	TycoElectronics
Mr. Scott Shuey	A	TycoElectronics
Mr. Mark Evans	P	Western Digital
Mr. Curtis Stevens	A	Western Digital

41 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 - 01/10/2008

ISO Proj.	Acronym	Part Num.	Last Step Completed	Comments
1.25.13.10.14	RL	24740	S6: SC25 sends FDIS to JTC1 for publishing	Approved as IS
1.25.13.11.13	SMC	14776-351	S7: IS Published	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
1.25.13.11.25.01	RBC-2	14776-326	S2: NWIP Approved	SC 25 N 1452: Summary of Voting on Document JTC 1 / SC 25 N 1407 NWIP , NEED 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	S5: INCITS votes on FDIS in JTC1	US voted approve
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	S5: INCITS votes on FDIS in JTC1	FDIS Ballot in process 25N1352, closes 2007-12-02
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	S6: SC25 sends FDIS to JTC1 for publishing	Sent for publication
1.25.13.11.46	SAS-1.1	14776-151	S3: SC25 started FCD ballot	Need T10 vote for FCD, 25 N 1430 , SC/JTC 1 DueDate: 2008-03-07
1.25.13.11.47	FCP-3	14776-223	S5: SC25 requests JTC1 to start FDIS ballot	FDIS sent for ballot
1.25.13.18-1	ATAPI-7-1	24739-1	S6: SC25 sends FDIS to JTC1 for publishing	Ready for publication, but needs minor editing approval from T13
1.25.13.18-2	ATAPI-7-2	24739-2	S3: FCD Ballot completed	SC 25 N 1449: Voting & explanatory report on SC 25 N 1381: ISO/IEC FCD, NEED FDIS text

T10 ISO Status Report - 01/10/2008

ISO Proj.	Acronym	Part Num.	Last Step Completed	Comments
1.25.13.18-3	ATAPI-7-3	24739-3	S3: INCITS sends FCD vote to SC25 TAG	FCD Ballot out 25n1412, closing 2008-02-25
1.25.13.____	SAT	14776-921	S1: SC25 started ballot on NWIP	SC 25 N 1460: Vote on NWIP on ISO/IEC 14776-921, vote by 2008-04-09
1.25.13.____	SPC	14776-311/451	S8: WITHDRAWAL, INCITS as JTC1 TAG votes	INCITS Approved Withdrawal

Enclosure(3) -- T10 Attendance Database

Generated on 2008/01/21 at 14:12:36

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