

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

**Doc. No.:** T10/08-133r0

**Date:** March 19, 2008

**Reply to:** John Lohmeyer

To: T10 Membership  
From: Ralph Weber / John Lohmeyer  
Subject: Minutes of T10 Plenary Meeting #84 -- March 13, 2008  
Raleigh, NC

## Agenda

1. Opening Remarks
2. Approval of Agenda
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4. Approval of Minutes - January 2008 - Santa Ana, CA (T10/08-062r0)
5. Document Distribution
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    - 10.1.1 Project Proposal for Serial Attached SCSI - 2.1 (SAS-2.1) (08-110) [Elliott]
    - 10.1.2 Project Proposal: Alternate Serial Attached SCSI 2.1 (08-117) [Butt]
    - 10.1.3 Project Proposal: Serial Attached Protocol (SAP) (08-118) [Butt]
  - 10.2 2008 Maintenance Action INCITS TR-23-1998 SCSI Enhanced Parallel Interface (EPI) [Bennett]

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**INCITS Secretariat, Information Technology Industry Council (ITI)**

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- 10.3 INCITS Policy Regarding Document Access and Membership Benefits (08-115)
- 10.4 Actions on SAS Protocol Working Group Recommendations
- 10.5 Actions on SAS PHY Working Group Recommendations
- 10.6 Actions on SAT Working Group Recommendations
- 10.7 Actions on CAP Working Group Recommendations
- 10.8 Actions on Other Working Group Recommendations
- 11. ISO/IEC
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- 12. Liaison Reports
  - 12.1 T11 Liaison Report [Snively]
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  - 12.3 SCSI Trade Association (STA) [Czekalski]
  - 12.4 IEEE P1619 [Ball]
- 13. Review of Action Items
- 14. Meeting Schedule
  - 14.1 Authorization of Working Group Meetings
- 15. Adjournment

## Results of Meeting

### 1. Opening Remarks

John Lohmeyer, the T10 Chair, called the meeting to order at 1:30 p.m., Thursday March 13, 2008. He thanked Fred Knight of NetApp 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](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 12 people from 5 organizations informing them that the organization's membership was in jeopardy due to non-attendance (see 08-090r0) and that their membership would be terminated if they did not attend this meeting. The following organizations were in attendance jeopardy:

- Amphenol Interconnect
- ATL Technology
- Maxim Integrated Products
- NeoScale Systems Inc.
- SanDisk Corporation

All organizations in attendance jeopardy were present, except:

- Amphenol Interconnect
- ATL Technology
- NeoScale Systems Inc.

John Lohmeyer moved and Ralph Weber seconded that the membership of Amphenol Interconnect be continued despite the failure of the organization to comply with criteria a) in section 4.2.4.2 of the RD-2. In the absence of objections, the motion passed by unanimously.

The other organizations not present had their representatives changed to Advisory (non-voting) status.

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

The T10 membership during the meeting was 37 organizations, down from the 39 member organizations extant at the time the meeting was convened. Enclosure (1) is the list of the people present at the meeting and enclosure (3) is the current T10 membership list.

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

The current letter ballot jeopardy status is as shown:

T10 Letter Ballot Jeopardy Report -- 2008/03/06

Organization	Ballot:	07-511r0	07-513r0	08-096r0
	Report:	07-512r0	07-514r0	08-097r0
	Acronym:	SES-2	SAM4 NWIP	SSC-3
Intel Corp.	(*)	DNV	DNV	Yes
NeoScale Systems Inc.	(*)	DNV	DNV	DNV
Nvidia Corp.		DNV	Yes	Abs

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 - January 2008 - Santa Ana, CA (T10/08-062r0)**

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 March 20, 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](mailto: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

- 688 Sivan Tal will prepare 07-454r5 for incorporation in SSC-3. *Complete.*
- 689 Dave Peterson will prepare a new revision of SSC-3 that contains 07-454r5. *Complete.*
- 690 John Lohmeyer will conduct a letter ballot on the new revision of SSC-3 after it is posted. *Complete.*
- 691 John Lohmeyer will conduct a letter ballot forwarding SAS-2 r14. *Complete.*
- 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). *Complete.*
- 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. *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]**

Rob Elliott reported that SES-2 revision 19b was posted with the first pass of comment resolution for all comments. Since then a late comment had been received and a few other changes were needed. Revision 19c will be posted within the next two weeks, and should be forwarded at the May meeting.

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

Dave Peterson reported on the activities of the SSC-3 working group (minutes in 08-154). Dave also provided an electronic report in 08-170r0. He noted that a project proposal for SSC-4 will be on the agenda for the May plenary.

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

George Penokie reported that 07-478r3 contains the proposed resolutions to the SAM-4 letter ballot comments and SAM-4 r13e incorporates the resolutions. At the request of the CAP working group, the forwarding of SAM-4 to public review was deferred to the next meeting.

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

Ralph Weber reported that CAP approved a CDB continuation proposal for OSD-2 and additional work on snapshots is continuing in the SNIA OSD TWG.

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

Curtis Ballard reported on the activities of the SMC-3 working group (minutes in 08-142), and provided an electronic report in 08-152r0. No proposals were approved for SMC-3 incorporation this week.

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

Ralph Weber reported that SPC-4 r13 incorporating all approved proposals from the January meeting week except CbCS had been posted during this meeting week. He stated that r14 will be posted in time for the mailing.

### **8.9 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 in April.

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

Paul Suhler reported on the activities of the ADI working group (minutes in 08-151r1). Paul provided an electronic report in 08-150r1.

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

Rob Elliott reported that SAS-2 is in letter ballot, closing March 28, 2008.

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

Mark Evans reported that SBC-3 r14 will be prepared to incorporate the proposals approved this week. The new revision should be posted within the next few weeks, but probably not in time for the mailing.

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

Mark Overby reported that a SAT-2 working group meeting was held February 22 in Foothills Ranch, CA (minutes in 08-114r1) and March 10-11 (minutes in 08-131). A SAT-2 working group meeting is planned for April 25 in Las Vegas, NV with T13. SAT-2 is closed to new proposals as of this meeting week.

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

Dave Peterson discussed the activities of the FCP-4 working group (minutes in 08-153). Dave provided an electronic report in 08-169r0. The group agreed to move their target letter ballot date out to May 2008.

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

Bill McFerrin reported the minutes for the MMC-6 working group can be found in 08-172. Some snags have been cleared up and a new revision should be posted soon, but probably not in time for the mailing. Problems with the optical security subsystems class were resolved and progress looks possible now.

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

Paul Suhler reported on the activities of the ADI working group (minutes in 08-151r1). Paul provided an electronic report in 08-150r1.

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

In the absence of Curtis Stevens, Mark Overby reported that the activities of the UAS project are being handled in the CAP working group (minutes in 08-132), and preliminary draft documents are expected before the May meeting week.

**9. Old Business****9.1 Project Proposal: ADT-3 (08-054r0) [Suhler]**

John Lohmeyer said that this project proposal did not meet the automatic two-week rule in January and was deferred until this meeting. Since that time the ADI working group decided to cover the remaining work items under the ADT-2 project and voted unanimously to withdraw consideration of 08-054.

**10. New Business****10.1 Project Proposals for next generation SAS**

The committee discussed the points in favor of and in opposition to splitting SAS along Phy/Protocol lines.

A straw poll was conducted.

- 11 favored maintaining one SAS-2.1 document.
- 17 favored splitting into two SAS-2.1 documents.

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

Discussion of this topic was deferred to the next meeting.

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

Discussion of this topic was deferred to the next meeting.

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

Discussion of this topic was deferred to the next meeting.

#### **10.2 Project Proposal: SCSI Architecture Model - 5 (SAM-5) (08-124) [Penokie]**

George Penokie briefly reviewed the project proposal for SCSI Architecture Model - 5 (SAM-5) contained in 08-124r1. He noted that the CAP working group had recommended that T10 approve the project proposal.

George Penokie moved that T10 approve the SCSI Architecture Model - 5 (SAM-5) project proposal (08-124r1). Fred Knight seconded the motion. The motion passed on a two-thirds vote of 26:0:2:9=37.

John Lohmeyer took an action item to forward the SCSI Architecture Model - 5 (SAM-5) project proposal (08-124r1) to INCITS for further processing.

#### **10.3 2008 Maintenance Action INCITS TR-23-1998 SCSI Enhanced Parallel Interface (EPI) [Bennett]**

George Penokie moved that T10 recommend that INCITS reaffirm the EPI technical report (INCITS TR-23-1998). Mark Evans seconded the motion. The motion passed on a two-thirds vote of 26:0:2:9=37.

John Lohmeyer took an action item to notify INCITS that T10 recommends that INCITS reaffirm the EPI technical report (INCITS TR-23-1998).

#### **10.4 INCITS Policy Regarding Document Access and Membership Benefits (08-115)**

John Lohmeyer presented INCITS in080213 (T10/08-115r0), a policy recently adopted by INCITS.

Bob Griswold moved and Kevin Marks seconded that the T10 Technical Committee approve T10/08-143r0, a request for a waiver from INCITS RD-1 clause 3.2.

The motion passed 29:0:0:8=37 by a roll call vote. The details of the roll call vote were:

Organization	Voter	Vote
AMCC	Paul von Stamwitz	Yes
Amphenol Interconnect		(not present)
Brocade	David Peterson	Yes
Dell, Inc.	Kevin Marks	Yes
EMC Corp.	Gary S. Robinson	Yes
Emulex	William Martin	Yes
ENDL	Ralph O. Weber	Yes
FCI	Douglas Wagner	Yes
Finisar Corp.	David Freeman	Yes
Foxconn Electronics	Elwood Parsons	Yes
Fujitsu	Mike Fitzpatrick	Yes



General Dynamics		(not present)
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.		(not present)
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)
Maxim Integrated Products	David Allen	Yes
Microsoft Corp.	Robert Griswold	Yes
Molex Inc.	Jay Neer	Yes
Network Appliance	Frederick Knight	Yes
Nvidia Corp.	Mark Overby	Yes
PMC-Sierra		(not present)
Quantum Corp.	Paul Suhler	Yes
Samsung	Dmitry Obukhov	Yes
SanDisk Corporation		(not present)
Seagate Technology	Gerald Houlder	Yes
STMicroelectronics, Inc.		(not present)
Sun Microsystems, Inc.		(not present)
Symantec	Roger Cummings	Yes
TycoElectronics	Dan Gorenc	Yes
Western Digital	Mark Evans	Yes

This simple majority roll call vote passed (29:0:0:8=37).

John Lohmeyer took an action item to forward T10/08-143r0 to INCITS for processing as a waiver to INCITS RD-1 clause 3.2.

#### **10.5 Actions on SAS Protocol Working Group Recommendations**

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

#### **10.6 Actions on SAS PHY Working Group Recommendations**

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

#### **10.7 Actions on SAT Working Group Recommendations**

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

07-325r2 (Translation of zero-length security protocol commands) [Overby]

07-328r2 (ATAPI Translation) [Stevens]

08-019r2 (Write Buffer Mode 7 to Download Microcode Mode 3) [Wolford]

Mark Overby moved that 07-325r2, 07-328r2, and 08-019r2 be approved for inclusion in SAT-2. Bill Martin seconded the motion. In the absence of objections, the motion passed unanimously.

## 10.8 Actions on CAP Working Group Recommendations

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

- 08-108r1 (Completing the SET IDENTIFYING INFORMATION command) [Evans]
- 08-008r2 (Download microcode I\_T nexus usage) [Elliott]
- 08-113r2 (UML Conventions and CbCS UML Updates) [Weber]
- 08-138r1 (Constraints on SPC-4 SA creation based on Usage Type) [Weber]
- 08-158r1 (SPC-4 ESP-SCSI field alignments) [Weber]

Mark Evans reviewed 08-139r1 (SBC - START/STOP command additions) [Knight] a proposal recommended for inclusion in SBC-3.

Mark Evans reviewed 08-105r1 (CDB Continuations Definition and Usage) [Weber] a proposal recommended for inclusion in OSD-2.

Mark Overby moved that 08-108r1, 08-008r2, 08-113r2, 08-138r1, and 08-158r1 be approved for inclusion in SPC-4; that 08-139r1 be approved for inclusion in SBC-3; and that 08-105r1 be approved for inclusion in OSD-2. Fred Knight seconded the motion. In the absence of objections, the motion passed unanimously.

## 10.9 Actions on Other Working Group Recommendations

No recommendations were presented from 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]

There was no new ISO/IEC business.

## 12. Liaison Reports

### 12.1 T11 Liaison Report [Snively]

In the absence of Bob Snively, Roger Cummings presented the T11 electronic liaison report (08-120).

### 12.2 T13 Liaison Report [Colegrove]

Dan Colegrove provided an electronic report in 08-087r1 and made an oral report to the committee on the activities of T13. For additional details regarding T13 activities see [www.t13.org](http://www.t13.org).

### 12.3 SCSI Trade Association (STA) [Czekalski]

In the absence of Marty Czekalski, John Lohmeyer presented an electronic report (08-171) on the activities of the SCSI Trade Association.

### 12.4 IEEE P1619 [Ball]

In the absence of Matt Ball, Kevin Marks presented an extemporaneous oral report on the limited 1619 activities during the meeting week.

### **13. Review of Action Items**

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

### **14. Meeting Schedule**

The next plenary meeting of T10 will be Thursday May 8, 2008 in Santa Clara, CA at the Hotel Valencia (Reservations: 866-842-0100) hosted by Nvidia. The meeting will begin at 1:30 p.m. on Thursday.

The meeting list for the next plenary week is:

May 2008 Meeting Map  
(2008/03/13 Version)

Monday 5/5	9	10	11	12	1	2	3	4	5	6	7	8		
	+=====+													
		SMC-3 WG		/ ADI-2 WG									(15)	
	+=====+													
		SAS Protocol WG											(40)	
	+=====+													
		IEEE P1619											(25)	
	+-----+													
Tuesday 5/6	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)	
	+-----+													
	"SAS Solutions Open House" @ Fairmont Hotel -->											STA Event		(All)
	+-----+													
Wednesday 5/7	9	10	11	12	1	2	3	4	5	6	7	8		
	+=====+													
		CAP WG											(45)	
	+=====+													
		SAS Physical WG											(45)	
	+=====+													
		MMC WG											(25)	
	+=====+													
		STA Plen*/TCC*				SFF							(25)	
	+-----+													
Thursday 5/8	9	10	11	12	1	2	3	4	5	6	7	8		
	+=====+													
		CAP WG		////		T10 Plenary/ LB cmnt						(45/50/10)		
	+=====+													
Friday 5/9	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
FCP-4 Call	Wed Apr 2 11:00a-1:00p CDT	TBA via T10 Reflector / Peterson
SAS PHY Call	Thu Apr 3 10:00a-12:00n CDT	TBA via T10 Reflector / Cox
SMC-3 Call	Wed Apr 9 8:00a-10:00a PDT	TBA via T10 Reflector / HP
SAS PHY Call	Thu Apr 10 10:00a-12:00n CDT	TBA via T10 Reflector / Cox
ADI Call	Wed Apr 16 8:00a-10:00a PDT	TBA via T10 Reflector / Quantum
SAS PHY Call	Thu Apr 24 10:00a-12:00n CDT	TBA via T10 Reflector / Cox
SAT-2 WG	Fri Apr 25 9:00a-2:00p PDT	Las Vegas, NV / Colegrove
SAS PHY Call	Thu May 1 10:00a-12:00n CDT	TBA via T10 Reflector / Cox

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
May 5-9, 2008	San Jose, CA	Nvidia
Jul 14-18, 2008	Anchorage, AK	Emulex
Sep 8-12, 2008	Colorado Springs, CO	LSI Corp.
Nov 3-7, 2008	Santa Ana, CA	Western Digital
Jan 12-16, 2009	Lake Mary, FL	Symantec
Mar 9-13, 2009	<i>Oklahoma City, OK</i>	<i>Fujitsu</i>
May 4-8, 2009	Bellevue, 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	Santa Ana, CA	Western Digital
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.

Mark Evans moved that the November 2008 and January 2010 meeting dates and locations be approved. John Lohmeyer seconded the motion. 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.

Bob Nixon moved that T10 authorize the T10-related meetings and events in the list above that had not previously been approved. Mark Evans 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 3:45 p.m. on Thursday March 13, 2008.

**Enclosure(1) -- Meeting Attendees**

Name	S	Organization
Mr. Paul von Stamwitz	P	AMCC
Mr. David Peterson	P	Brocade
Mr. William McFerrin	V	DataPlay
Mr. Kevin Marks	P	Dell, Inc.
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. David Freeman	P	Finisar Corp.
Mr. Elwood Parsons	P	Foxconn Electronics
Mr. Mike Fitzpatrick	P	Fujitsu
Mr. Curtis Ballard	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. Steve Livaccari	V	IBM Corp.
Dr. Mark Seidel	P	Intel Corp.
Mr. Joel Silverman	P	Kawasaki Microelectronics Am
Mr. Dennis Moore	P	KnowledgeTek, Inc.
Mr. John Geldman	P	Lexar Media, Inc.
Mr. Dennis Kleppen	A	LSI Corp.
Mr. John Lohmeyer	P	LSI Corp.
Mr. George Penokie	A	LSI Corp.
Mr. Paul Wassenberg	A	Marvell Semiconductor, Inc.
Mr. Takaharu Ai	V	Matsushita
Mr. David Allen	A	Maxim Integrated Products
Mr. Michael Forney	V	Microsoft Corp.
Mr. Robert Griswold	A	Microsoft Corp.
Mr. Jay Neer	P	Molex Inc.
Mr. Frederick Knight	P	NetApp
Mr. Mark Overby	P	Nvidia Corp.
Dr. Paul Suhler	P	Quantum Corp.
Mr. Dmitry Obukhov	A	Samsung
Mr. Yoni Shternhell	A	SanDisk Corporation
Mr. Gerald Houlder	P	Seagate Technology
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

42 People Present

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



## Enclosure(2) -- ISO Status

## T10 ISO Status Report - 03/13/2008

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	STILL !!!!! Waiting for FCD text
1.25.13.11.25.01	RBC-2	14776-326	S2: SC25 TAG sent FCD to SC25	NWIP Approved , FCD Text Sent to SC25
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: FDIS ballot complete	FDIS Approved
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: FDIS ballot complete	Completed FDIS Ballot
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	S4: FDIS sent to SC25	FCD approved, FDIS text sent to SC25
1.25.13.11.47	FCP-3	14776-223	S5: SC25 requests JTC1 to start FDIS ballot	FDIS returned with questions for editor
1.25.13.18-1	ATAPI-7-1	24739-1	S6: SC25 sends FDIS to JTC1 for publishing	Ready for publication
1.25.13.18-2	ATAPI-7-2	24739-2	S4: FDIS sent to SC25	FCD Approved FDIS TEXT sent
1.25.13.18-3	ATAPI-7-3	24739-3	S4: FDIS sent to SC25	FCD Approved FDIS TEXT sent
1.25.13.____	SAT	14776-921	S2: NWIP Approved	NWIP NEED ISO Text to send to INCITS

**T10 ISO Status Report - 03/13/2008**

<b>ISO Proj.</b>	<b>Acronym</b>	<b>Part Num.</b>	<b>Last Step Completed</b>	<b>Comments</b>
1.25.13.____.____	SPC	14776- 311/451	S8: WITHDRAWAL, INCITS as JTC1 TAG votes	INCITS Approved Withdrawal

**Enclosure(3) -- T10 Attendance Database**

Generated on 2008/03/17 at 10:27:29

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