

Accredited Standards Committee*

InterNational Committee for Information Technology Standards (INCITS)

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Date: November 17, 2005

Reply to: John Lohmeyer

To: T10 Membership
From: Ralph Weber / John Lohmeyer
Subject: Minutes of T10 Plenary Meeting #70 -- November 10, 2005
Austin, TX

Agenda

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Results of Meeting

1. Opening Remarks

John Lohmeyer, the T10 Chair, called the meeting to order at 9:00 a.m., Thursday November 10, 2005. He thanked Kevin Marks of Dell 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

The following additions/changes were made to the draft agenda:

- 11.2.2 FDIS Approval for SBC-2 [Robinson]
- 12.9 IEEE P1667 Authentication Standard for Transient Storage Devices (05-399r2) [Shimor]

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

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.

To maintain membership, organizations must pay the INCITS Service Fee (\$800).

John briefly discussed the mailing fees. Complete pricing information is contained in the 2005 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 4 people from 3 organizations informing them that their membership was in jeopardy due to non-attendance (see 05-367r0) and that their membership would be terminated if they did not attend this meeting. The following organizations were in attendance jeopardy:

Iomega Corp.
Pivot3, Inc.
Symantec

All organizations in attendance jeopardy were present.

Had any of the organizations had not been present their representatives would have been changed to Advisory (non-voting) status.

John Lohmeyer called for requests to join at this meeting. AMCC and Oracle joined at this meeting

The T10 membership during the meeting was 47 organizations, up from the 45 member organizations extant at the time the meeting was convened. Enclosure (1) is the list of the people present at the meeting and enclosure (2) 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 -- 2005/04/29

Ballot:	04-326r0	05-125r0	05-134r0
Report:	04-327r0	05-126r0	05-135r0
Acronym:	SPC-3	SAS-1.1	FCP-3

Organization

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Agilent Technologies	DNV	Yes	Yes
Crossroads Systems, Inc. (*)	Yes	DNV	DNV
QLogic Corp.	DNV	Yes	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 (and has voluntarily changed to Advisory status)

4. Approval of Minutes - September 2005 - Vancouver, BC, Canada (T10/05-338r0)

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 Parthenia Purnell (ppurnell@itic.org) (202) 626-5741. 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 November 17, 2005. 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 native-format and/or Portable Document Format (PDF) electronic originals with proper identification must be submitted.

People can obtain T10 document numbers and revised T10 document numbers 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.

John Lohmeyer noted that LSI Logic submitted 05-388r0 stating their position regarding US Patent 6,925,519, which may be applicable to the proposed SAT standard.

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

- 612 John Lohmeyer will forward FCP-3 r04 to INCITS for further processing towards first public review.
Complete.
- 613 Rob Elliott will prepare 05-169r5 and SAS-1.1 r10. *Complete.*
- 614 John Lohmeyer will forward SAS-1.1 r10 to INCITS for further processing towards 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/natrust.htm>.

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

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

8.2 SCSI Primary Commands - 3 (SPC-3) Project 1416-D [Weber]

John Lohmeyer reported that SPC-3 has been published as ANSI INCITS 408-2005. He congratulated Ralph Weber, the project editor.

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

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

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

Rob Elliott reported that a new SES-2 revision will be posted incorporating the proposals approved by this meeting.

8.5 Fibre Channel Protocol - 3 (FCP-3) Project 1560-D [Peterson]

John Lohmeyer reported that the public review on FCP-3 ends 2 January 2006.

Dave Peterson reported that an FCP-4 project proposal will be reviewed and amended during the January meeting week and presented for approval in March. A Study Group was held this meeting week (minutes in 05-435) and agreed on the need for an FCP-4 project as well as some of the goals of the project.

8.6 Serial Attached SCSI - 1.1 (SAS-1.1) Project 1601-D [Elliott]

John Lohmeyer reported that the public review on SAS-1.1 ends 2 January 2006.

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

Dave Peterson presented a report summarizing the activities of the SSC-3 working group (minutes in 05-434).

SSC-3 r1e containing all approved proposals has been posted to the web site in plenty of time for the mailing.

The working group requested establishment of a T10 Study Group to discuss key management to coordinate with IEEE P1619. A meeting of the Study Group was in the process of being planned for the T11 meeting week in Garden Grove, CA in December. Michael Banther took responsibility for announcing the meeting and a pre-meeting teleconference on the reflector.

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

Bill McFerrin reported that a four-day editing session reviewed three-fourths of the document.

Incompatibilities have surfaced between ATAPI and actual implementations and the MMC-5 working group is planning joint meeting with T13 on Tuesday of the January T10 meeting week to address the issues.

The group is working only on document review. No new proposals are being considered at this time. MMC-5 will be ready for Letter Ballot in early 2006.

Plans are already beginning for MMC-6.

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

George Penokie reported that a new revision of SAM-4 will be generated incorporating all approved proposals, but probably not in time for the mailing.

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

Bob Sheffield reviewed the recent SAT activities (minutes in 05-386, 05-387, 05-418). SAT r07 will be prepared to incorporate all approved proposals in time for the next mailing. The target for Letter Ballot is after the January meeting week.

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

Ralph Weber reported that the SNIA TWG is nearing resolution on the Exception Management and Snapshots topics. The chances of uploading a new revision before January were estimated to be nil.

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

Michael Banther reported on the activities of the SMC-3 working group (minutes in 05-431). No new revision of SMC-3 is anticipated at this time.

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

Ralph Weber reported that SPC-4 r03 will be posted to incorporate all approved proposals before the January meeting but not in time for the mailing.

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

Rob Elliott noted that any changes to the SDI will be handled in the CAP working group and that no changes are currently proposed.

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

Paul Suhler reported on the activities of the ADI working group (minutes in 05-408). A new revision of ADC-2 will be posted in time for the mailing.

8.16 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 05-408).

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

Rob Elliott reported that several SAS-2 proposals have been recommended. A SAS-2 revision will be posted containing all approved proposals, maybe in time for the mailing.

9. Old Business

There was no old business.

10. New Business**10.1 Project Proposal for SCSI Block Commands - 3 (SBC-3) (05-382) [Penokie]**

John Lohmeyer presented a project proposal for SBC-3 05-382r0.

John Lohmeyer moved that 05-382r0 be forwarded to INCITS as a new project proposal for SBC-3. George Penokie seconded the motion. The motion passed 32:0:0:15=47.

John Lohmeyer took an action item to forward 05-382r0 to INCITS as a new project proposal for SBC-3.

10.2 Actions on SAS Protocol Working Group Recommendations

The recommendations from the SAS protocol working group (minutes in 05-417) were presented to the committee.

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

- 04-222r6 (More Phy Test Patterns) [Elliott]
- 05-306r2 (STP connection time limits) [Elliott]
- 05-412r0 (Revision 0 minor corrections) [Elliott]

Rob Elliott moved that 05-306r2 and 05-412r0 be approved for inclusion in SAS-2. Bill Galloway seconded the motion. The motion passed on a vote of 29:0:5:13=47.

Rob Elliott moved that 04-222r6 be approved for inclusion in SAS-2. Bill Galloway seconded the motion. The motion passed on a vote of 19:0:14:14=47.

George Penokie reviewed 05-370r1 (NOTIFY (POWER FAILURE EXPECTED) Fixes) [Penokie] a proposal recommended for inclusion in SAS-2, SAM-4, and SPC-4 he noted that the CAP re-reviewed the proposal, modified it, and re-recommended it. The committee agreed to process 05-370r2 as a CAP recommendation.

10.3 Actions on SAS PHY Working Group Recommendations

There were no recommendations made by the SAS physical working group (minutes in 05-433).

10.4 Actions on SAT Working Group Recommendations

The recommendations from the SAT working group (minutes in 05-418) were presented to the committee.

George Penokie and Bob Sheffield reviewed the following proposals recommended for inclusion in SAT:

- 05-359r2 (Control mode page translation) [Overby]
- 05-364r0 (Comparison of SCSI and ATA queuing) [Weber]
- 05-385r1 (MOST RECENT TEMPERATURE READING for Informational Exceptions log page) [Bellamy]

Mark Overby moved that 05-359r2, 05-364r0, and 05-385r1 be approved for inclusion in SAT. Curtis Stevens seconded the motion. The motion passed on a vote of 27:0:3:17=47.

10.5 Actions on CAP Working Group Recommendations

The recommendations from the CAP working group (minutes in 05-419) were presented to the committee.

George Penokie reviewed 05-376r5 (Addressing more than 16384 logical units) [Penokie] a proposal recommended for inclusion in SAM-4.

George Penokie moved that 05-376r5 be approved for inclusion in SAM-4. Bill Galloway seconded the motion. The motion passed on a vote of 29:0:4:14=47.

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

- 05-242r2 (Combinations of bits and fields in the LOG SELECT CDB and log parameters) [Evans]
- 05-360r2 (Extended self test completion time value update) [Overby]
- 05-375r1 (EBACKERR bit Error Reporting Clarification) [Penokie]
- 05-379r0 (Unit attention condition trivial wording changes) [Elliott]
- 05-380r0 (Mode Page Policy MLUS bit correction) [Elliott]
- 05-406r1 (New ASC/ASCQs for Device Port Address) [Galloway]

Bill Galloway moved that 05-242r2, 05-360r2, 05-375r1, 05-379r0, 05-380r0, and 05-406r1 be approved for inclusion in SPC-4. Rob Elliott seconded the motion. The motion passed on a vote of 32:0:2:13=47.

George Penokie reviewed the following proposals recommended for SPC-4 and SBC-3:

- 05-156r7 (Application ownership of protection information Reference Tag) [Penokie]
- 05-374r2 (Disabling Reassign on Write Long Logical Blocks) [Penokie]

George Penokie moved that 05-156r7 be approved for SPC-4 and SBC-3. Bob Nixon seconded the motion. The motion passed on a vote of 22:4:8:13=47.

George Penokie moved that 05-374r2 be approved for SPC-4 and SBC-3. Kevin Marks seconded the motion. The motion passed on a vote of 21:1:11:14=47.

George Penokie reviewed 05-370r2 (NOTIFY (POWER FAILURE EXPECTED) Fixes) [Penokie] a proposal recommended for inclusion in SAS-2, SAM-4, and SPC-4.

George Penokie moved that 05-370r2 be approved for inclusion in SAS-2, SAM-4, and SPC-4. Bill Galloway seconded the motion. The motion passed on a vote of 29:0:4:14=47.

George Penokie reviewed 05-317r3 (Remove Attached Media Changer model) [Entzel] a proposal recommended for inclusion in SPC-4, SMC-3, SBC-3, and SSC-3.

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

- 05-300r0 (Add RQST MISSING to DEVICE and ARRAY DEVICE element Control page) [Marks]
- 05-372r0 (Cooling element enlarge Actual Fan Speed field) [Elliott]
- 05-400r0 (Update Table 116 - CONNECTOR TYPE field to SAS-1.1 names) [Marks]

Kevin Marks moved that 05-317r3 be approved for inclusion in SPC-4, SMC-3, SBC-3, and SSC-3 and that 05-300r0, 05-372r0, and 05-400r0 be approved for inclusion in SES-2. Paul Entzel seconded the motion. The motion passed on a vote of 32:0:1:14=47.

10.6 Actions on Other Working Group Recommendations

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

11. ISO/IEC

11.1 ISO/IEC Report [Robinson]

Gary Robinson presented the ISO/IEC report (05-410r1).

Gary Robinson took an action item to prepare an NWIP for FCP-3.

11.2 ISO/IEC Business [Robinson]

11.2.1 NWIP for SPC-3 (05-411) [Robinson]

Gary Robinson moved that T10 recommends that the SC25 TAG contribute an NWIP (05-411r0) to SC25 for SPC-3 as project 1.25.13.11.33, 14776-453, 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. Bill Martin seconded the motion. The motion passed on roll call vote of 34:0:2:11:=47, the details of which were as follows:

Organization	Voter	Vote
Adaptec, Inc.		(not present)
Agilent Technologies	Pat Thaler	Yes
AMCC	Paul von Stamwitz	Abstain
Amphenol Interconnect		(not present)
Broadcom Corp.	Ron Roberts	Yes
Brocade		(not present)
Cisco Systems, Inc.		(not present)
Dallas Semiconductor		(not present)
Dell, Inc.	Kevin Marks	Yes
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		(not present)
Hewlett Packard Co.	Rob Elliott	Yes
Hitachi Cable Manchester		(not present)
Hitachi Global Storage Tech.	Dan Colegrove	Yes
IBM Corp.	George O. Penokie	Yes
Intel Corp.	Robert Sheffield	Yes
Iomega Corp.	Robert Payne	Yes
Lexar Media, Inc.	Pat LaVarre	Abstain
LSI Logic Corp.	John Lohmeyer	Yes
M-Systems	Avraham Shimor	Yes
Maxtor Corp.	Martin Czekalski	Yes
Microsoft Corp.	Emily Hill	Yes
Molex Inc.	Jay Neer	Yes
Nvidia Corp.	Mark Overby	Yes
Oracle	James Williams	Yes
Panasonic Technologies, Inc	Terence J. Nelson	Yes
Philips Electronics	William P. McFerrin	Yes
Pivot3, Inc.	Bill Galloway	Yes
PMC-Sierra	Tim Symons	Yes
QLogic Corp.		(not present)
Quantum Corp.	Paul Entzel	Yes
Seagate Technology	Gerald Houlder	Yes
Sierra Logic, Inc.	William Martin	Yes
Sun Microsystems, Inc.	Erich Oetting	Yes
Symantec	Greg Wheelless	Yes
Texas Instruments	Robert Kando	Yes
Toshiba		(not present)
TycoElectronics	Ashlie Fan	Yes
Vitesse Semiconductor		(not present)
Western Digital	Curtis Stevens	Yes
Xiotech Corp.	Jeff Williams	Yes
Xyratex	Rich Ramos	Yes

This two-thirds roll call vote passed (34:0:2:11=47).

Gary Robinson took an action item to forward 05-411r0 to the SC25 TAG as an NWIP contribution for SPC-3 as project 1.25.13.11.33, 14776-453, to mark YES on each of the 6 questions, define Gary S Robinson as Project Editor in question 4, and normal standard development track is proposed in question 7.

11.2.2 FDIS Approval for SBC-2 [Robinson]

Gary Robinson moved that T10 has reviewed the FDIS, 1.25.13.11.31 SBC-2 14776-322, and recommends that the JTC1 TAG vote to approve said FDIS. Bill Martin seconded the motion. The motion passed on roll call vote of 34:0:2:11=47, the details of which were as follows:

Organization	Voter	Vote
Adaptec, Inc.		(not present)
Agilent Technologies	Pat Thaler	Yes
AMCC	Paul von Stamwitz	Abstain
Amphenol Interconnect		(not present)
Broadcom Corp.	Ron Roberts	Yes
Brocade		(not present)
Cisco Systems, Inc.		(not present)
Dallas Semiconductor		(not present)
Dell, Inc.	Kevin Marks	Yes
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		(not present)
Hewlett Packard Co.	Rob Elliott	Yes
Hitachi Cable Manchester		(not present)
Hitachi Global Storage Tech.	Dan Colegrove	Yes
IBM Corp.	George O. Penokie	Yes
Intel Corp.	Robert Sheffield	Yes
Iomega Corp.	Robert Payne	Yes
Lexar Media, Inc.	Pat LaVarre	Abstain
LSI Logic Corp.	John Lohmeyer	Yes
M-Systems	Avraham Shimor	Yes
Maxtor Corp.	Martin Czekalski	Yes
Microsoft Corp.	Emily Hill	Yes
Molex Inc.	Jay Neer	Yes
Nvidia Corp.	Mark Overby	Yes
Oracle	James Williams	Yes
Panasonic Technologies, Inc	Terence J. Nelson	Yes
Philips Electronics	William P. McFerrin	Yes
Pivot3, Inc.	Bill Galloway	Yes
PMC-Sierra	Tim Symons	Yes
QLogic Corp.		(not present)
Quantum Corp.	Paul Entzel	Yes
Seagate Technology	Gerald Houlder	Yes
Sierra Logic, Inc.	William Martin	Yes
Sun Microsystems, Inc.	Erich Oetting	Yes
Symantec	Greg Wheelless	Yes
Texas Instruments	Robert Kando	Yes
Toshiba		(not present)
TycoElectronics	Ashlie Fan	Yes
Vitesse Semiconductor		(not present)
Western Digital	Curtis Stevens	Yes
Xiotech Corp.	Jeff Williams	Yes
Xyratex	Rich Ramos	Yes

This two-thirds roll call vote passed (34:0:2:11=47).

Gary Robinson took an action item to inform the SC25 TAG that T10 has reviewed the FDIS, 1.25.13.11.31 SBC-2 14776-322, and recommends that the JTC1 TAG vote to approve said FDIS.

12. Liaison Reports

12.1 T11 Liaison Report [Snively]

Although he could not attend, Bob Snively provided an electronic liaison report in T10/05-394. The committee waved the reading of the T11 liaison report by unanimous consent.

12.2 T13 Liaison Report [Colegrove]

Dan Colegrove provided an oral report to the committee on the activities of T13. The ATA-8 architecture model is in Letter Ballot. New features continue to be integrated in the ATA/ATAPI-8 family of standards. For details regarding T13 activities see www.t13.org.

12.3 SFF Industry Group [Allan]

In the absence of Dal Allan, no report was available.

12.4 IEEE 1394 [Johansson]

In the absence of Peter Johansson, no report was available.

12.5 SCSI Trade Association (STA) [Czekalski]

Marty Czekalski presented an electronic report (05-437r0) on the activities of the SCSI Trade Association.

12.6 IETF SCSI over IP [Black/Robinson]

In the absence of David Black no report was available.

12.7 SNIA [Cummings]

In the absence of Roger Cummings no report was available.

12.8 Trusted Computing Group [Fitzpatrick]

No report was presented.

12.9 IEEE P1667 Authentication Standard for Transient Storage Devices (05-399r2) [Shimor]

Avraham Shimor presented an overview of the new P1667 standards effort in IEEE (05-399r2). The goal of the effort is to define a security mechanism for developing trust relationships between portable storage devices (e.g., USB disks, mobile phones, and PDAs) and the computers (operating systems) to which they may connect.

13. Review of Action Items

- 615 John Lohmeyer will forward 05-382r0 to INCITS as a new project proposal for SBC-3.
- 616 Gary Robinson will prepare an NWIP for FCP-3.

- 617 Gary Robinson will forward 05-411r0 to the SC25 TAG as an NWIP contribution for SPC-3 as project 1.25.13.11.33, 14776-453, to mark YES on each of the 6 questions, define Gary S Robinson as Project Editor in question 4, and normal standard development track is proposed in question 7.
- 618 Gary Robinson will inform the SC25 TAG that T10 has reviewed the FDIS, 1.25.13.11.31 SBC-2 14776-322, and recommends that the JTC1 TAG vote to approve said FDIS.

14. Meeting Schedule

The next plenary meeting of T10 will be Thursday January 12, 2006 in Scottsdale, AZ at the Embassy Suites Hotel Phoenix - Scottsdale (Reservations: <http://www.b-there.com/arm/t10phx2006>) hosted by Intel. The meeting will begin at 9:00 a.m. on Thursday.

The meeting list for the next plenary week is:

January 2006 Meeting Map

Monday 1/09	9	10	11	12	1	2	3	4	5	6	7	8		
	+-----+													
	ADI-2 WG / SMC-3 WG												(10)	
	+-----+													
	SAS Prot WG												(40)	
	+-----+													
	MMC WG													
	+-----+													
													STA 6GB	(60)
	+-----+													
Tuesday 1/10	9	10	11	12	1	2	3	4	5	6	7	8		
	+-----+													
	SAS Physical WG												(45)	
	+-----+													
	SAT WG												(40)	
	+-----+													
													STA Marcom *	(35)
	+-----+													
	FCP-4 SG/ SSC-3 WG												(15)	
	+-----+													
	MMC WG												(25)	
	+-----+													
	Joint MMC/T13												(25)	
	+-----+													
Wednesday 1/11	9	10	11	12	1	2	3	4	5	6	7	8		
	+-----+													
	CAP WG												(40)	
	+-----+													
	MMC WG												(25)	
	+-----+													
													SFF	(30)
	+-----+													
	STA Plenary * / TCC*												(20)	
	+-----+													
Thursday 1/12	9	10	11	12	1	2	3	4	5	6	7	8		
	+-----+													
	T10 Plenary												(50/10)	
	+-----+													
													Lock SG	(15)
	+-----+													
Friday 1/13	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 PHY Calls		TBA via T10 reflector / Cox
SAS Prot Calls		TBA via T10 reflector / Elliott
Style Call	Dec 1 10:00a CST	Announced via T10 reflector / Penokie
SAS PHY Call	Dec 1 10:00a CST	TBA via T10 reflector / Cox
SAS Prot Call	Dec 2 10:00a CST	TBA via T10 reflector / Elliott
Key Mgmt Call	Nov ??	TBA via T10 reflector / Wheelless
Key Mgmt SG	Dec ??	Garden Grove, CA with T11 / Wheelless
SAT WG	Dec 12	Las Vegas, NV with T13 / Colegrove
SAS PHY Call	Dec 15 10:00a CST	TBA via T10 reflector / Cox
Style Call	Jan 5 10:00a CST	Announced via T10 reflector / Penokie
SAT WG	Feb 28	Tentative Denver DIA / Overby

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
 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
 Lock SG: Study Group to examine need for Locking removable storage devices
 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: SCSI / ATA Translation
 SBC-2: SCSI Block Commands - 2
 SCSI: Small Computer System Interface
 SDI: Serial Attached SCSI Driver 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)
 STP: Serial ATA Tunneled Protocol
 T10: SCSI Storage Interfaces Technical Committee
 T11: Device Level Interfaces Technical Committee
 WG: Working Group (same as Ad Hoc Group)

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

Activity	Contact	Telephone/Email
ADT, ADT-2	Paul Entzel	(720) 406-5782 paul.entzel@quantum.com
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SBC-2, SES-2, SAS-1.1, SAS-2, BCC, SDI	Rob Elliott	(281) 518-5037 Elliott@hp.com
MMC-4, MMC-5	Bill McFerrin	(325) 423-1560 billmc@tstar.net
SBP-3	Peter Johansson	(510) 527-3926 PJohansson@ACM.org
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SPC-3, SAM-3, SPC-4, OSD-2	Ralph Weber	(214) 912-1373 roweber@acm.org
SSC-3, FCP-3	Dave Peterson	(763) 268-6139 david.peterson@mcdata.com
Other Activities	John Lohmeyer	(719) 533-7560 lohmeier@t10.org

The long-term T10 meeting week schedule is:

Date	Location	Host/Comments
Jan 9-13, 2006	Phoenix, AZ	Intel Corp.
Mar 6-10, 2006	Hilton Head, SC	SCSI Trade Association
May 8-12, 2006	Seattle, WA	Nvidia Corp.
Jul 10-14, 2006	Colorado Springs, CO	LSI Logic
Sep 11-15, 2006	Nashua, NH	Hitachi Cable Manchester
Nov 6-10, 2006	Las Vegas, NV	Hitachi GST
Approved dates for 2007:		
Jan 15-19, 2007	Orlando, FL	Symantec
Mar 12-16, 2007		
May 7-11, 2007		
Jul 9-13, 2007	Colorado Springs, CO	LSI Logic
Sep 17-21, 2007	(to avoid conflicts with the Jewish High Holy Days)	
Nov 5-9, 2007		
Proposed dates for 2008:		
Jan 14-18, 2008		
Mar 10-14, 2008		
May 5-9, 2008		
Jul 14-18, 2008		
Sep 8-12, 2008		
Nov 3-7, 2008		

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

John Lohmeyer moved that the 2008 meeting dates be approved. Curtis Stevens seconded the motion. In the absence of 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. Ad hoc 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 December 2005. Curtis Stevens 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 11:00 a.m. on Thursday November 10, 2005.

Enclosure(1) -- Meeting Attendees

Name	S	Organization
Ms. Pat Thaler	P	Agilent Technologies
Mr. Paul von Stamwitz	P	AMCC
Mr. Ron Roberts	A	Broadcom Corp.
Mr. Kevin Marks	P	Dell, Inc.
Mr. Gary S. Robinson	P	EMC Corp.
Mr. Robert H. Nixon	P	Emulex
Mr. Ralph O. Weber	P	ENDL Texas
Mr. Douglas Wagner	P	FCI
Mr. Elwood Parsons	P	Foxconn Electronics
Mr. Mike Fitzpatrick	P	Fujitsu
Mr. Michael Banther	V	Hewlett Packard Co.
Mr. Rob Elliott	P	Hewlett Packard Co.
Mr. Dan Colegrove	P	Hitachi Global Storage Tech.
Mr. James Rockrohr	V	IBM
Mr. George O. Penokie	P	IBM / Tivoli Systems
Mr. Robert Sheffield	P	Intel Corp.
Mr. Robert Payne	P	Iomega Corp.
Mr. Pat LaVarre	P	Lexar Media, Inc.
Mr. John Lohmeyer	P	LSI Logic Corp.
Mr. Avraham Shimor	P	M-Systems
Mr. Greg Elkins	V	Marvell Semiconductor
Mr. Martin Czekalski	A	Maxtor Corp.
Mr. David Peterson	AV	McDATA
Ms. Emily Hill	P	Microsoft Corp.
Mr. Jay Neer	P	Molex Inc.
Mr. Mark Overby	P	Nvidia Corp.
Mr. James Williams	P	Oracle
Dr. Terence J. Nelson	P	Panasonic Technologies, Inc
Mr. William P. McFerrin	P	Philips Electronics/CD Edge
Mr. Bill Galloway	P	Pivot3, Inc.
Mr. Tim Symons	P	PMC-Sierra
Mr. Paul Entzel	P	Quantum Corp.
Dr. Paul Suhler	A	Quantum Corp.
Mr. Alvin Cox	V	Seagate Technology
Mr. Gerald Houlder	P	Seagate Technology
Mr. William Martin	P	Sierra Logic, Inc.
Mr. Erich Oetting	A#	Sun Microsystems, Inc.
Mr. Greg Wheelless	A	Symantec
Mr. Robert Kando	A	Texas Instruments
Ms. Ashlie Fan	P	TycoElectronics
Mr. Dan Gorenc	A	TycoElectronics
Mr. Wayne Gentry	V	Unisys Corporation
Mr. David Allen	A	Vitesse Semiconductor
Mr. Curtis Stevens	P	Western Digital
Mr. Jeff Williams	P	Xiotech Corp.
Mr. Rich Ramos	P	Xyratex

46 People Present

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

Enclosure(2) -- T10 Attendance Database

Generated on 2005/11/17 at 11:07:00

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