

Accredited Standards Committee*

InterNational Committee for Information Technology Standards (INCITS)

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Date: January 23, 2007

Reply to: John Lohmeyer

To: T10 Membership
From: Ralph Weber / John Lohmeyer
Subject: Minutes of T10 Plenary Meeting #77 -- January 18, 2007
Lake Mary, FL

Agenda

1. Opening Remarks
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4. Approval of Minutes - November 2006 - Las Vegas, NV (T10/06-488r0)
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 - 8.12 Automation/Drive Interface - Commands - 2 (ADC-2) Project 1741-D [Suhler]
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INCITS Secretariat, Information Technology Industry Council (ITI)

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12. Liaison Reports
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14. Meeting Schedule
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Results of Meeting

1. Opening Remarks

John Lohmeyer, the T10 Chair, called the meeting to order at 9:05 a.m., Thursday January 18, 2007. He thanked Roger Cummings of Symantec for hosting the meeting.

John said that INCITS subgroup membership forms and the T10 document subscription forms are available on the meeting web site. He said that people should use these forms to ensure the INCITS Secretariat has the latest membership information. These forms should be mailed directly to the INCITS Secretariat.

As is customary, the people attending introduced themselves. Attendance was taken electronically via the meeting web site.

2. Approval of Agenda

No additions/changes were made to the draft agenda.

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

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

- 12.7 Trusted Computing Group [~~Cummings~~/Fitzpatrick]

3. Attendance and Membership

The membership requirements were reviewed. INCITS rules permit one vote per organization. An individual from a new organization must attend two out of three consecutive plenary meetings. He/she may apply for voting membership the second meeting via a letter to the Chair of T10. The individual may begin voting at the beginning of his/her second meeting. People who continue to attend T10 meetings are expected to join T10 and to pay INCITS Service Fees.

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

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

There are also minimum attendance requirements to maintain voting membership on T10. If a member organization fails to attend two of the last three T10 meetings, they are warned that failing to attend the next T10 meeting would result in their membership being terminated.

The Chair said he had sent emails to 10 people from 6 organizations informing them that their membership was in jeopardy due to non-attendance (see 06-512r0) and that their membership would be terminated if they did not attend this meeting. The following organizations were in attendance jeopardy:

- Amphenol Interconnect
- General Dynamics
- Hitachi Cable Manchester
- Iomega Corp.
- Oracle
- Xiotech Corp.

All organizations in attendance jeopardy were present except:

- Oracle

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

John Lohmeyer called for requests to join the committee. The following organization joined at this meeting:

- Samsung

The T10 membership during the meeting was 46 organizations, unchanged from the 46 member organizations extant at the time the meeting was convened. Enclosure (1) is the list of the people present at the meeting and enclosure (3) is the current T10 membership list.

John Lohmeyer reminded members that failure to vote on two out of the last three letter ballots also would result in membership jeopardy. The current letter ballot jeopardy status is as shown:

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

Ballot:	06-080r0	06-184r0	06-446r0
Report:	06-081r0	06-185r0	06-447r0
Acronym:	SAT	MMC-5	ADC-2

Organization

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Iomega Corp.	Yes	Yes	DNV
Nvidia Corp.	No	Yes	DNV
Vitesse Semiconductor	Abs	Abs	DNV

Key:

- Yes Organization voted Yes
- No Organization voted No
- Abs Organization voted Abstain
- DNV Organization failed to return letter ballot
- Organization was not a voting member for the letter ballot
- (*) Organization is in letter ballot jeopardy

4. Approval of Minutes - November 2006 - Las Vegas, NV (T10/06-488r0)

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 January 25, 2007. Documents received after this time may go into a subsequent mailing.

John reminded the committee of the requirements for document submission. Since T10 meets its document retention requirements by preparing mailings, documents included in the mailing must be suitable for archiving. This means that Portable Document Format (PDF) and/or native-format electronic originals with proper identification must be submitted.

People can obtain T10 document numbers for new and revised T10 documents by filling out a web form at <http://www.t10.org/members/>. The assigned T10 document number will be sent to the requestor by e-mail. The requestor may then reply to this email, including the document to be posted as an attachment. The document will be automatically posted on the T10 web site.

T10 members can complete this entire process using their personal T10 password. John explained that members who do not know their password should surf to the above URL and click on the "forgot password" link to have their password sent to them via e-mail.

John noted that non-members can also use the above document number process, but their requests will require approval by an administrator.

Minutes are available on the T10 World Wide Web page (see below), and are distributed to the T10 Reflector.

To be added to the T10 Reflector, send an e-mail to majordomo@t10.org with the line 'subscribe t10' in the message body.

The INCITS Secretariat maintains a World Wide Web page at:

<http://www.incits.org/>.

LSI Logic maintains a web site on behalf of T10 on a server donated by the SCSI Trade Association at:

<http://www.t10.org/>

There is also a mirror site at:

<http://www.t11.org/t10/>

The T10 document register is available at:

<ftp://ftp.t10.org/t10/dr.txt>

6. Call for Patents

John Lohmeyer explained that this is a regular agenda item to identify any potential patent issues with developing standards and technical reports.

For additional information on ANSI procedures and the ANSI patent policy, please see the INCITS web page at <http://www.incits.org/call.htm>. The contact for INCITS patent issues is Lynn Barra (lbarra at itic dot org) or (202)

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

John Lohmeyer presented a summary of the ANSI patent policy prepared by Gary Robinson. The summary is also included on the Rules and Procedures (plus Patent Information) page on the T10 web site.

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

John asked that anyone who knows of other applicable patents to contact him.

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

7. Review of Old Action Items

- 648 John Lohmeyer will conduct a five-year maintenance review of MMC and MMC-3 during the November T10 meeting week. *Complete.*
- 651 Bob Nixon will coordinate bi-directional read/write issues between FCP and OSD-2. *Carry Over.*
- 652 John Lohmeyer will forward MMC-5 r04 to INCITS for processing towards second Public Review noting that it contains substantive changes. *Complete.*
- 653 John Lohmeyer will establish a liaison report agenda item for MIPI with Avraham Shimor as the liaison. *Complete.*
- 654 John Lohmeyer will inform INCITS that T10 recommends withdrawing MMC and reaffirming MMC-3. *Complete.*

8. Project Status Reports

8.1 Project Status Summary and INCITS Liaison [Lohmeyer]

John Lohmeyer said that the current T10 project status summary was included on the meeting web site and will be included in the mailing as usual.

8.1.1 INCITS Antitrust Guidelines

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

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

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

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

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

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

Rob Elliott reported that no proposals have been approved for SES-2 and no new working draft revision needs to be prepared.

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

Michael Banther and Paul Suhler reported on the activities of the SSC-3 working group (minutes in 07-036).

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

John Lohmeyer reported that the second Public Review on MMC-5 will end on 22 January.

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

George Penokie reported that a new revision of SAM-4 will be posted, but maybe not in time for the mailing.

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

John Lohmeyer reported that the SAT first Public Review ended 20 November 2006 with no comments received. It is now at INCITS for their approval.

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

Ralph Weber reported that he will prepare OSD-2 revision 01 in time for the mailing. Ralph Weber moved and John Lohmeyer seconded that OSD-2 r01 be accepted as the working draft for project 1729-D. The motion passed 32:0:0:14=46.

8.9 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 07-041) and provided an electronic report in 07-048.

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

Ralph Weber reported that SPC-4 r08 incorporating all approved proposals from the November meeting week was posted during the week prior to this meeting. SPC-4 r09 will be posted prior to the March meeting by not in time for the mailing. SPC-4 r09 will incorporate all approved proposals.

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

Rob Elliott noted that there has been no activity on this project.

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

Paul Suhler reported on the activities of the ADI working group (minutes in 07-021) and provided an electronic report in 07-042.

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

Paul Suhler reported on the activities of the ADI working group (minutes in 07-021) and provided an electronic report in 07-042.

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

Rob Elliott reported that several SAS-2 protocol proposals have been recommended (minutes in 07-031). The SAS-2 physical working group (minutes in 07-043) approved 1 recommendation (see agenda item 10.2).

SAS-2 revision 08 will be posted containing all approved proposals in time for the mailing.

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

George Penokie reported that a one trivial and one substantial proposal has been recommended for SBC-3 and a new revision will be posted containing the approved proposals, but not in time for the mailing.

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

Mark Overby reported that work has begun on SAT-2 (minutes in 07-032). SAT-2 revision 0 will be available in time for the March meeting, but not in time for the mailing.

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

John Lohmeyer reported that the FCP-4 working group meeting was cancelled due to a lack of business.

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

John Lohmeyer reported that Bill McFerrin is no longer able to act as MMC-6 technical editor nor as MMC working group chair. John asked that volunteers for these positions contact him.

9. Old Business

No old business was brought before the committee.

10. New Business**10.1 Actions on SAS Protocol Working Group Recommendations**

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

- 06-322r4 (Response to abandon-class OPEN_REJECT) [Elliott]
- 06-471r1 (Change to phy reset sequence 10ms rule) [Day]
- 06-470r4 (Transport layer read data flowchart) [Penokie]
- 06-466r1 (OPEN_REJECT RETRY during self-configuration changes) [Elliott]
- 06-188r3 (Support multiple STP affiliations) [Elliott]
- 06-275r0 (ALIGN insertion rate during STP connections) [Elliott]

Rob Elliott moved that 06-322r4, 06-471r1, 06-470r4, 06-466r1, and 06-275r0 be approved for inclusion in SAS-2. Mark Evans seconded the motion. The motion passed on a vote of 32:0:3:11=46.

Rob Elliott moved that 06-188r3 be approved for inclusion in SAS-2. Jim Scott seconded the motion. The motion passed on a vote of 13:2:21:10=46.

George Penokie reviewed 06-451r6 (Miscellaneous State Machine Fixes) [Penokie] a proposal recommended for inclusion in SAS-2 and SAM-4.

George Penokie moved that 06-451r6 be approved for inclusion in SAS-2 and SAM-4. Rob Elliott seconded the motion. The motion passed on a vote of 18:4:15:9=46.

10.2 Actions on SAS PHY Working Group Recommendations

George Penokie reviewed 06-515r0 (Modifications to the SAS Speed Negotiation) [Finch, Wassal] a proposal recommended for inclusion in SAS-2.

Steve Finch moved that 06-515r0 be approved for inclusion in SAS-2. Alvin Cox seconded the motion. The motion passed on a vote of 22:0:15:9=46.

10.3 Actions on SAT Working Group Recommendations

No recommendations were made by the SAT-2 working group.

10.4 Actions on CAP Working Group Recommendations

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

06-362r3 (Read debug data proposal) [Houlder]

07-022r1 (MANAGEMENT PROTOCOL IN command field name fixup) [Weber]

06-390r2 (Target Port Group disconnected state proposal) [Knight]

Rob Elliott requested that consideration of 06-362r3 be deferred based on the two-week rule. Gerry Houlder agreed that the proposal did not meet the two-week rule. Rob stated that he and Gerry had agreed to prepare a new revision of 06-362 for consideration by the March CAP working group.

George Penokie reviewed 06-393r3 (On-disk bitmap support) [Cummings] a proposal recommended for inclusion in SBC-3.

George Penokie reviewed 07-014r1 (SNIA requested OSD changes) [Weber] a proposal recommended for inclusion in OSD-2.

Ralph Weber moved that 07-022r1 and 06-390r2 be approved for inclusion in SPC-4; that 06-393r3 be approved for inclusion in SBC-3; and that 07-014r1 be approved for inclusion in OSD-2. Roger Cummings seconded the motion. The motion passed on a vote of 27:0:9:10=36.

10.5 Actions on Other Working Group Recommendations

No recommendations were made by other working groups.

11. ISO/IEC

11.1 ISO/IEC Report [Robinson]

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

11.2 ISO/IEC Business [Robinson]

No ISO/IEC business was presented to the committee.

12. Liaison Reports

12.1 T11 Liaison Report [Snively]

Bob Snively presented an electronic liaison report (07-026).

12.2 T13 Liaison Report [Colegrove]

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

12.3 SFF Industry Group [Allan]

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

12.4 SCSI Trade Association (STA) [Czekalski]

Marty Czekalski presented an electronic report (07-047) on the activities of the SCSI Trade Association.

12.5 IETF SCSI over IP [Black]

David Black reported that minor updates are being developed for iSCSI particularly for task management for parallel connections.

12.6 SNIA [open]

Arnold Jones presented an electronic report on SNIA activities (07-051).

12.7 Trusted Computing Group [Fitzpatrick]

Mike Fitzpatrick reported the storage working group specification is in internal review in TCG. It should be available in the next 50 to 60 days.

12.8 IEEE P1667 [Shimor]

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

12.9 MIPI Alliance [Shimor]

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

13. Review of Action Items

651 Bob Nixon will coordinate bi-directional read/write issues between FCP and OSD-2.

14. Meeting Schedule

The next plenary meeting of T10 will be Thursday March 15, 2007 in Memphis, TN at the Marriott Memphis Downtown Hotel (<http://marriott.com/property/propertypage/memdt?groupCode=scsscscsa&app=resvlink>) hosted by the SCSI Trade Association. The meeting will begin at 9:00 a.m. on Thursday.

The meeting list for the next plenary week is:

March 2007 Meeting Map
(2007/01/18 Version)

	9	10	11	12	1	2	3	4	5	6	7	8	
Monday 3/12	+=====+												
	ADI-2 WG / SMC-3 WG												(15)
	+=====+												
	SAS Protocol WG												(40)
	+=====+												
	IEEE P1619.2 P1619 P1619.1												(20)
	+-----+												
Tuesday 3/13	+=====+												
	SAS Physical WG												(45)
	+=====+												
	SAT WG												(20)
	+-----+												
	IEEE Key Mgmt STA Marcom *												(20)
	+-----+												
	FCP-4 / SSC-3 WG												(25)
	+=====+												
	Mt Fuji												(25)
	+-----+												
Wednesday 3/14	+=====+												
	CAP WG												(45)
	+=====+												
	SFF												(25)
	+-----+												
	Mt Fuji or MMC WG												(25)
	+-----+												
	STA Plenary * / TCC*												(20)
	+-----+												
Thursday 3/15	+=====+												
	CAP WG //// T10 Plenary												(50)
	+=====+												
	TCG KMSS * ????												(30)
	+-----+												
Friday 3/16	+=====+												
	SAS Edit												(10)
	+=====+												

/ means the next meeting starts when the previous meeting concludes
 Meetings marked with == are T10-authorized meetings.
 Meetings marked with -- are other groups and may change without notice.
 Meetings marked with (*) are closed meetings of other groups.

Other T10-authorized meetings:

Meeting	Date	Location / Contact
SAS Protocol Call(s)	TBA	TBA via T10 reflector / Elliott
SAS PHY Calls	Weekly Thu 10a CST	TBA via T10 reflector / Cox
SAT-2 WG	Mon Feb 19	Irvine, CA (with T13) / Stevens
SMC-3 Call	Feb 21 8a PST	TBA via T10 reflector / Banther
ADI-2 Call	Jan 31 8a PST	TBA via T10 reflector / Banther
ADI-2 Call	Feb 28 8a PST	TBA via T10 reflector / Banther

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
 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
 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
 TCG: Trusted Computing Group
 TCG KMSS: Trusted Computing Group Key Management Services Subgroup
 WG: Working Group (same as Ad Hoc Group)

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

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

The long-term T10 meeting week schedule is:

Date	Location	Host/Comments
Approved dates and locations for 2007:		
Mar 12-16, 2007	Memphis, TN	SCSI Trade Association
May 7-11, 2007	Seattle, WA	Microsoft Corp.
Jul 9-13, 2007	Colorado Springs, CO	LSI Logic
Sep 17-21, 2007	Vancouver, BC Canada	PMC-Sierra
Nov 5-9, 2007	Las Vegas, NV	Hitachi GST
Approved dates and proposed locations and hosts for 2008:		
Jan 14-18, 2008	Santa Ana, CA	Western Digital
Mar 10-14, 2008	Raleigh, NC	Network Appliance
May 5-9, 2008	San Francisco, CA	Nvidia
Jul 14-18, 2008	Colorado Springs, CO	LSI Logic
Sep 8-12, 2008		
Nov 3-7, 2008	Orlando, FL	Symantec

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.

Mark Overby moved that T10 authorize the T10-related meetings and events in the list above that had not previously been approved through the end of February 2007. 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 10:35 a.m. on Thursday January 18, 2007.

Enclosure(1) -- Meeting Attendees

Name	S	Organization
Mr. Chris Fore	P	Adaptec, Inc.
Mr. Paul von Stamwitz	P	AMCC
Mr. Gregory McSorley	P	Amphenol Interconnect
Mr. Robert Snively	P	Brocade Comm. Systems, Inc.
Mr. Steve Robalino	A	Dallas Semiconductor
Mr. Gideon Avida	P	Decru
Mr. Kevin Marks	P	Dell, Inc.
Mr. David Black	A	EMC Corp.
Mr. Mickey Felton	A#	EMC Corp.
Mr. Gary S. Robinson	P	EMC Corp.
Mr. Robert H. Nixon	A	Emulex
Mr. Ralph O. Weber	P	ENDL Texas
Mr. Douglas Wagner	P	FCI
Mr. Mike Fitzpatrick	P	Fujitsu
Mr. Nathan Hastad	P	General Dynamics
Mr. Michael Banther	A	Hewlett Packard Co.
Mr. Rob Elliott	P	Hewlett Packard Co.
Mr. Mike Guzman	A	Hitachi Cable Manchester
Mr. Dan Colegrove	P	Hitachi Global Storage Tech.
Mr. James Rockrohr	V	IBM
Mr. George O. Penokie	P	IBM Corp.
Mr. Robert Sheffield	P	Intel Corp.
Mr. Robert Payne	P	Iomega Corp.
Mr. Joel Silverman	P	Kawasaki Microelectronics Am
Mr. Dennis Moore	P	KnowledgeTek, Inc.
Mr. John Geldman	P	Lexar Media, Inc.
Mr. John Lohmeyer	P	LSI Logic Corp.
Mr. Graeme Weston-Lewis	V	LSI Logic Corp.
Mr. Jay Neer	P	Molex Inc.
Mr. Landon Noll	AV	NeoScale Systems Inc.
Mr. Frederick Knight	A	Network Appliance
Mr. Mark Overby	P	Nvidia Corp.
Mr. Tim Symons	P	PMC-Sierra
Dr. Paul Suhler	A	Quantum Corp.
Mr. Michael Rogers	AV	Samsung
Mr. Avraham Shimor	P	SanDisk Corporation
Mr. Alvin Cox	A	Seagate Technology
Mr. Martin Czekalski	V	Seagate Technology
Mr. Gerald Houlder	P	Seagate Technology
Mr. Arnold Jones	V	SNIA
Mr. Stephen Finch	P	STMicroelectronics, Inc.
Mr. Erich Oetting	A#	Sun Microsystems, Inc.
Mr. Roger Cummings	P	Symantec
Mr. Anders Liverud	AV	Tandberg Storage
Mr. Dan Gorenc	A	TycoElectronics
Mr. Jim Scott	P	Vitesse Semiconductor
Mr. Mark Evans	A	Western Digital
Mr. Curtis Stevens	P	Western Digital
Mr. Jeff Williams	P	Xiotech Corp.
Mr. Rich Ramos	P	Xyratex

50 People Present

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

Enclosure(2) -- ISO Status

T10 ISO Status Report - 01/18/2007

ISO Proj.	Acronym	Part Num.	Last Step Completed	Comments
1.25.13.10.14	RL	24740	S3: FCD Ballot completed	FCD Approved, 25n1257, Japan needs to supply FDIS text
1.25.13.11.13	SMC	14776-351	S4: FDIS sent to SC25	Status unknown, SC25 waiting for an answer that was given. requesting update 1/4/2007
1.25.13.11.19	SAM-2	14776-412	S7: IS Published	Published
1.25.13.11.22	SES-2	14776-372	S2: NWIP Approved	Waiting for FCD text
1.25.13.11.28	SPI-4	14776-114	S8: WITHDRAWAL, INCITS as JTC1 TAG votes	INCITS Approved Withdrawal
1.25.13.11.31	SBC-2	14776-322	S6: SC25 sends FDIS to JTC1 for publishing	Text sent to ITTF, waiting for publication
1.25.13.11.33	SPC-3	14776-453	S1: SC25 started ballot on NWIP	NWIP in ballot, SC25 N1247, US voted YES, FCD text available
1.25.13.11.37	SSM-2	14776-132	S8: WITHDRAWAL, SC25 Resolution	Voted to remove from SC25 Program of Work., Resolution BL-WG4-11
1.25.13.11.38	PIP	14776-121	S3: FCD Ballot completed	FCD Approved, SC25n1226, need FDIS text
1.25.13.11.39	SBP-3	14776-233	S8: WITHDRAWAL, SC25 Resolution	Voted to remove from SC25 Program of Work, Resolution BL-WG4-13
1.25.13.11.45	SAM-3	14776-413	S5: INCITS votes on FDIS in JTC1	US approved FDIS, responded to pre-publishing questions 01/05/2007
1.25.13.11.46	SAS-1.1	14776-151	S2: NWIP Approved	NWIP approved, need text
1.25.13.11.47	FCP-3	14776-223	S2: NWIP Approved	NWIP approved, need text
1.25.13.18	ATAPI-7	24739-1	S3: FCD Ballot completed	FCD Approved. , 25n1260, Need FDIS text. This is volume 1 of 3. , need ISO text of volumes 2 and 3

T10 ISO Status Report - 01/18/2007

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

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