

Accredited Standards Committee*

InterNational Committee for Information Technology Standards (INCITS)

Doc. No.: T10/06-488r0

Date: November 17, 2006

Reply to: John Lohmeyer

To: T10 Membership
From: Ralph Weber / John Lohmeyer
Subject: Minutes of T10 Plenary Meeting #76 -- November 9, 2006
Las Vegas, NV

Agenda

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INCITS Secretariat, Information Technology Industry Council (ITI)

1250 Eye Street NW, Suite 200, Washington, DC 20005-3922

Email: incits@itic.org Telephone: 202-737-8888 FAX: 202-638-4922

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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 9, 2006. He thanked Dan Colegrove of Hitachi GST for hosting the meeting.

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

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

2. Approval of Agenda

No additions/changes were made to the draft agenda.

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

No items were added or modified in the agenda during the course of the meeting.

3. Attendance and Membership

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

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

John briefly discussed the mailing fees. Complete pricing information is contained in the 2006 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 3 people from 2 organizations informing them that their membership was in jeopardy due to non-attendance (see 06-440r0) and that their membership would be terminated if they did not attend this meeting. The following organizations were in attendance jeopardy:

Amphenol Interconnect
Pivot3, Inc.

All organizations in attendance jeopardy were present.

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

Since the last T10 meeting, Emulex purchased Sierra Logic. Both were T10 members so the Sierra Logic membership was dropped. Bill Martin is the now the Principal member for Emulex and Bob Nixon is the Alternate.

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

Kawasaki Microelectronics Am

The T10 membership during the meeting was 46 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 -- 2006/11/03

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

Key:

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

4. Approval of Minutes - September 2006 - Nashua, NH (T10/06-417r0)

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 16, 2006. 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.

On behalf of Bob Sheffield who could not attend, John Lohmeyer 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

- 643 Gary Robinson will contact the SBP-3 editor regarding the ISO status of SBP-3 and prepare a motion for T10 action in September. *Overcome by events.*
- 644 John Lohmeyer will forward SAT r09 to INCITS for further processing towards first public review. *Complete.*
- 645 Paul Entzel will prepare ADC-2 r07. *Complete.*
- 646 John Lohmeyer will conduct a letter ballot on forwarding ADC-2 r07 to first public review. *Complete.*
- 647 John Lohmeyer will notify INCITS that T10 recommends the withdrawal of SMD-E, SPC, SPI-4, and SSM and the reaffirmation of SSA-S3P, SSA-PH2, SSA-TL2, SDV, and SRP. *Complete.*
- 648 John Lohmeyer will conduct a five-year maintenance review of MMC and MMC-3 during the November T10 meeting week. *To be completed under agenda item 9.1.*
- 649 Gary Robinson will recommend that the JTC1/SC25 TAG vote to approve ISO/IEC FCD 24739-1, Information technology, AT Attachment with Packet Interface - 7 Part 1 - Register Delivered Command Set, Logical Register Set, (ATA/ATAPI-7 V1), SC:25N1074. *Complete.*
- 650 Gary Robinson will recommend that the JTC1/SC25 TAG vote to approve ISO/IEC FCD 14776-121, Project 1.25.13.11.38, Information technology, SCSI Passive Interconnect Performance. *Complete.*

8. Project Status Reports

8.1 Project Status Summary and INCITS Liaison [Lohmeyer]

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

Gary Robinson reported on the activities of the recent INCITS meeting. There will be changes in the membership rules and fees starting in 2008. Stabilized standards policies have been approved by ANSI. Improvements in the Patent Policy are also in the works.

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]

In the absence of Dave Peterson, no report was made. Kevin Marks noted that the working group minutes can be found in 06-494.

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

Bill McFerrin reported that the ANSI Editor had requested corrections in MMC-5 and the working group (minutes in 06-507) had agreed to make several substantive changes too.

Bill McFerrin moved that MMC-5 r04 which contains substantive changes from the first Public Review version of MMC-5 be forwarded to INCITS for further processing towards second Public Review. Mark Overby seconded the motion.

The motion passed on a roll-call vote of 36:0:0:10=46 (meeting the two-thirds rule). The details of the roll-call vote were as follows:

Organization	Voter	Vote
Adaptec, Inc.	Chris Fore	Yes
AMCC	Paul von Stamwitz	Yes
Amphenol Interconnect	Michael Wingard	Yes
Brocade	Robert Snively	Yes
Dallas Semiconductor	Steve Robalino	Yes
Dell, Inc.	Kevin Marks	Yes
EMC Corp.	Mickey Felton	Yes
Emulex	William Martin	Yes
ENDL	Ralph O. Weber	Yes
FCI	Douglas Wagner	Yes
Foxconn Electronics	Elwood Parsons	Yes
Fujitsu	Mike Fitzpatrick	Yes
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.	Mark Seidel	Yes
Iomega Corp.		(not present)
Kawasaki Microelectronics Am		(not present)
KnowledgeTek, Inc.	Dennis Moore	Yes

Lexar Media, Inc.	John Geldman	Yes
LSI Logic Corp.	John Lohmeyer	Yes
M-Systems	Avraham Shimor	Yes
Marvell Semiconductor, Inc.	Paul Wassenberg	Yes
McDATA		(not present)
Microsoft Corp.	David Walp	Yes
Molex Inc.	Jay Neer	Yes
Network Appliance	Frederick Knight	Yes
Nvidia Corp.	Mark Overby	Yes
Oracle		(not present)
Panasonic Technologies, Inc	Takaharu Ai	Yes
Philips Electronics	William P. McFerrin	Yes
Pivot3, Inc.	Thomas Grieff	Yes
PMC-Sierra		(not present)
Quantum Corp.	Paul Entzel	Yes
Seagate Technology	Gerald Houlder	Yes
STMicroelectronics, Inc.	Stephen Finch	Yes
Sun Microsystems, Inc.		(not present)
Symantec	Roger Cummings	Yes
Texas Instruments		(not present)
TycoElectronics	Ashlie Fan	Yes
Vitesse Semiconductor	Jim Scott	Yes
Western Digital	Curtis Stevens	Yes
Xiotech Corp.		(not present)
Xyratex	Rich Ramos	Yes

This two-thirds roll call vote passed (36:0:0:10=46).

John Lohmeyer took an action item to forward MMC-5 r04 to INCITS for processing towards second Public Review noting that it contains substantive changes.

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

George Penokie reported that two small proposals had been accepted for SAM-4 and a new revision will be uploaded before the January meeting but 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 ends 20 November 2006.

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

Ralph Weber reported that the next OSD-2 revision will not be prepared until after the January meeting.

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 06-498) and provided an electronic report in 06-505.

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

Ralph Weber reported that SPC-4 r08 will be posted prior to the January meeting by not in time for the mailing. SPC-4 r08 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 06-490) and provided an electronic report in 06-500.

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 06-490) and provided an electronic report in 06-500.

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 06-485). The SAS-2 physical working group (minutes in 06-501) approved two recommendations.

A SAS-2 revision 07 will be posted containing all approved proposals in time for the mailing.

Rob asked that the target date for Letter Ballot on SAS-2 be changed to May or July of 2007.

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

George Penokie reported that a one trivial proposal has been approved for SBC-3 but he had no intentions of posting a new revision to include it. The committee raised no objections to delaying creation of the next SBC-3 revision.

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

Mark Overby reported that work has begun on SAT-2 (minutes in 06-486).

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

In the absence of David Peterson, Ralph Weber reported that the FCP-4 working group minutes are available in 06-506 and an electronic report can be found in 06-509r0.

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

Bill McFerrin reported that MMC-6 r00 will be posted in time for the mailing. The MMC WG minutes are in 06-507. Bill noted that he will not be editing MMC-6 after r00 and no one has volunteered to replace him.

9. Old Business

9.1 Five-Year Maintenance Review of INCITS/T10 Standards (06-403) [Purnell]

Bill McFerrin reported that the MMC WG (minutes in 06-507) recommended that MMC be withdrawn and MMC-3 be reaffirmed.

Bill McFerrin moved that INCITS be informed that T10 recommends withdrawing MMC and reaffirming MMC-3. Dave Walp seconded the motion.

Mark Overby and Curtis Stevens questioned the loss of ATAPI-related material if MMC is withdrawn. Bill reported that MMC had less description of ATAPI usage than any other MMC-x standard.

The motion passed on a roll-call vote of 36:0:0:10=46 (meeting the two-thirds rule). The details of the roll-call vote were as follows:

Organization	Voter	Vote
Adaptec, Inc.	Chris Fore	Yes
AMCC	Paul von Stamwitz	Yes
Amphenol Interconnect	Michael Wingard	Yes
Brocade	Robert Snively	Yes
Dallas Semiconductor	Steve Robalino	Yes
Dell, Inc.	Kevin Marks	Yes
EMC Corp.	Mickey Felton	Yes
Emulex	William Martin	Yes
ENDL	Ralph O. Weber	Yes
FCI	Douglas Wagner	Yes
Foxconn Electronics	Elwood Parsons	Yes
Fujitsu	Mike Fitzpatrick	Yes
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.	Mark Seidel	Yes
Iomega Corp.		(not present)
Kawasaki Microelectronics Am		(not present)
KnowledgeTek, Inc.	Dennis Moore	Yes
Lexar Media, Inc.	John Geldman	Yes
LSI Logic Corp.	John Lohmeyer	Yes
M-Systems	Avraham Shimor	Yes
Marvell Semiconductor, Inc.	Paul Wassenberg	Yes
McDATA		(not present)
Microsoft Corp.	David Walp	Yes
Molex Inc.	Jay Neer	Yes
Network Appliance	Frederick Knight	Yes
Nvidia Corp.	Mark Overby	Yes
Oracle		(not present)
Panasonic Technologies, Inc	Takaharu Ai	Yes
Philips Electronics	William P. McFerrin	Yes
Pivot3, Inc.	Thomas Grieff	Yes
PMC-Sierra		(not present)
Quantum Corp.	Paul Entzel	Yes
Seagate Technology	Gerald Houlder	Yes
STMicroelectronics, Inc.	Stephen Finch	Yes
Sun Microsystems, Inc.		(not present)
Symantec	Roger Cummings	Yes
Texas Instruments		(not present)
TycoElectronics	Ashlie Fan	Yes
Vitesse Semiconductor	Jim Scott	Yes
Western Digital	Curtis Stevens	Yes
Xiotech Corp.		(not present)
Xyratex	Rich Ramos	Yes

This two-thirds roll call vote passed (36:0:0:10=46).

John Lohmeyer took an action item to inform INCITS that T10 recommends withdrawing MMC and reaffirming MMC-3.

9.2 Potential Liaison with MIPI Alliance (06-380 and 06-379) [Rich/Shimor]

In September, Avraham Shimor provided a letter requesting establishment of a liaison between T10 and MIPI Alliance regarding references to OSD by MIPI standards which are under development (06-380r0).

Avraham Shimor moved that T10 establish a liaison with MIPI. Bob Snively seconded the motion. In the absence of objections, the motion passed unanimously.

John Lohmeyer took an action item to establish a liaison report agenda item for MIPI with Avraham Shimor as the liaison.

10. New Business

10.1 Actions on SAS Protocol Working Group Recommendations

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

05-381r7 (Multiplexing) [Elliott]

06-473r0 (REPORT EXPANDER ROUTE TABLE descriptor layout change) [Elliott]

06-474r1 (Broadcast (Zone Activate) only by ZONED BROADCAST) [Elliott]

Rob Elliott moved that 05-381r7, 06-473r0, and 06-474r1 be approved for inclusion in SAS-2. Kevin Marks seconded the motion. The motion passed on a vote of 26:0:8:12=46.

10.2 Actions on SAS PHY Working Group Recommendations

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

06-464r0 (COMWAKE detection requirements) [Cox]

06-463r3 (OOB transmission requirements) [Cox]

Alvin Cox moved that 06-464r0 and 06-463r3 be approved for inclusion in SAS-2. Steve Finch seconded the motion. The motion passed on a vote of 26:0:7:13=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 and Ralph Weber reviewed the following proposals recommended for inclusion in SPC-4:

06-388r3 (Security Goals and Threat Model) [Black]
06-465r1 (Alternative Proposal for Management Transport) [Cummings]
05-284r4 (Self Describing Command Timeouts) [Butt]
05-232r2 (Log Command Corrections) [Penokie]
06-454r0 (Clarifying Identifying Information Types Requirements) [Weber]
06-455r1 (Lost SET IDENTIFYING INFORMATION Parameter List Length requirement) [Weber]
06-484r1 (Encryption MAM Attribute) [Banther]

Ralph Weber moved that 06-388r3, 06-465r1, 05-284r4, 05-232r2, 06-454r0, 06-455r1, and 06-484r1 be approved for inclusion in SPC-4. Bill Martin seconded the motion. The motion passed on a vote of 26:0:2:18=46.

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

06-411r2 (Clear REPORTED LUNS DATA HAS CHANGED on any command) [Elliott]
06-282r4 (SPC-4 WRITE BUFFER clarifications) [Elliott]

Rob Elliott moved that 06-411r2 be approved for inclusion in SAM-4 and SPC-4. Kevin Marks seconded the motion. The motion passed on a vote of 10:4:17:15=46.

Rob Elliott moved that 06-282r4 be approved for inclusion in SAM-4 and SPC-4. Kevin Marks seconded the motion. The motion passed on a vote of 14:0:17:15=46.

George Penokie reviewed 06-479r1 (Mandate CAPACITY DATA HAS CHANGED unit attention) [Elliott] a proposal recommended for inclusion in SBC-3.

Rob Elliott moved that 06-479r1 be approved for inclusion in SBC-3. Kevin Marks seconded the motion. The motion passed on a vote of 13:4:15:14=46.

Ralph Weber reviewed the following proposals recommended for inclusion in OSD-2:

06-257r0 (Remove PREVENT ALLOW MEDIUM REMOVAL from OSD-2) [Weber]
05-311r0 (REMOVE PARTITION Security Controlled by Root Attributes) [Weber]
05-314r1 (No Capability can have a Vendor Specific integrity check value algorithm) [Weber]
05-316r1 (Multi-Object LIST and LIST COLLECTION command enhancements) [Weber]
05-328r1 (Four New Multi-Object Commands) [Weber]

Ralph Weber moved that 06-257r0, 05-311r0, 05-314r1, 05-316r1, and 05-328r1 be approved for inclusion in OSD-2. Kevin Marks seconded the motion. The motion passed on a vote of 17:0:13:16=46.

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 (06-480).

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 (06-458).

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. Issues of compatibility with SAT-2 are being discussed with the T10 SAT working group. Changes are planned for the T13 web site and reflector services.

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 (06-508) on the activities of the SCSI Trade Association.

12.5 IETF SCSI over IP [Black]

In the absence of David Black, no report was available.

12.6 SNIA [open]

Gary Robinson reported that the SMI-S is in FDIS ballot in ISO.

12.7 Trusted Computing Group [Cummings/Fitzpatrick]

Mike Fitzpatrick provided reported on upcoming TGC meetings and actives.

12.8 IEEE P1667 [Shimor]

Avraham Shimor reported that the approval ballot for IEEE P1667 passed and the draft standard is awaiting further processing in the IEEE.

13. Review of 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.
- 652 John Lohmeyer will forward MMC-5 r04 to INCITS for processing towards second Public Review noting that it contains substantive changes.
- 653 John Lohmeyer will establish a liaison report agenda item for MIPI with Avraham Shimor as the liaison.
- 654 John Lohmeyer will inform INCITS that T10 recommends withdrawing MMC and reaffirming MMC-3.\

14. Meeting Schedule

The next plenary meeting of T10 will be Thursday January 18, 2007 in Orlando, FL at the Orlando Marriott Lake Mary Hotel (1-407-995-1100) hosted by Symantec. The meeting will begin at 9:00 a.m. on Thursday.

The meeting list for the next plenary week is:

January 2007 Meeting Map

Monday 1/15	9	10	11	12	1	2	3	4	5	6	7	8	
	+=====+												
	ADI-2 WG / SMC-3 WG												(15)
	+=====+												
	SAS Protocol WG												(40)
	+=====+												
	IEEE P1619.2 IEEE P1619.1												(20)
	+-----+												
	USB MSC Lock WG *												(15)
	+-----+												
Tuesday 1/16	9	10	11	12	1	2	3	4	5	6	7	8	
	+=====+												
	SAS Physical WG												(45)
	+=====+												
	SAT WG ////////// CAP WG												(20/40)
	+=====+												
	STA Marcom *												(20)
	+=====+												
	FCP-4/ SSC-3 WG												(25)
	+=====+												
	Mt Fuji *												(25)
	+-----+												
Wednesday 1/17	9	10	11	12	1	2	3	4	5	6	7	8	
	+=====+												
	CAP WG												(40)
	+=====+												
	Mt Fuji * or MMC WG												(25)
	+-----+												
	SFF												(25)
	+-----+												
	STA Plenary * / TCC*												(20)
	+-----+												
Thursday 1/18	9	10	11	12	1	2	3	4	5	6	7	8	
	+=====+												
	T10 Plenary SAS Edit												(50/15)
	+=====+												
Friday 1/19	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.

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
SMC-3 Call	Nov 27 8-10a PST	TBA via T10 reflector / Banther
SSC-3 Call	Dec 11 TBD time	TBA via T10 reflector / Peterson
SAT-2 WG	Mon Feb 19	Irvine, CA (with T13) / Stevens

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)

John Lohmeyer moved that the changes to host and locations in 2007 and 2008 be approved. Curtis Stevens seconded the motion. In the absence of any objections, the motion passed unanimously.

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	Bill McFerrin	(325) 423-1560 billmc@tstar.net
SBP-3	Peter Johansson	(510) 527-3926 PJohansson@ACM.org
SAM-4, SBC-3	George Penokie	(507) 253-5208 gop@us.ibm.com
SAT	Bob Sheffield	(480) 554-8597 robert.l.sheffield@intel.com
SAT-2	Mark Overby	(425) 417-9412 moverby@nvidia.com
SMC-2	Erich Oetting	(303) 673-2178 Erich_Oetting@Stortek.com
SMC-3	Noud Snelder	+31408446108 Noud.snelder@bdt.de
SPC-3, SAM-3, SPC-4, OSD-2	Ralph Weber	(214) 912-1373 roweber@acm.org
SSC-3, FCP-3, FCP-4	Dave Peterson	(763) 268-6139 david.peterson@mcddata.com
Other Activities	John Lohmeyer	(719) 533-7560 lohmeier@t10.org

The long-term T10 meeting week schedule is:

Date	Location	Host/Comments
Approved dates and locations (except March and November) for 2007:		
Jan 15-19, 2007	Orlando, FL	Symantec
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
Proposed dates for 2008:		
Jan 14-18, 2008		
Mar 10-14, 2008		
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		

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.

Bill Martin 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 2006. Gerry Houlder 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 10:58 a.m. on Thursday November 9, 2006.

Enclosure(1) -- Meeting Attendees

Name	S	Organization
Mr. Chris Fore	P	Adaptec, Inc.
Mr. Paul von Stamwitz	P	AMCC
Mr. Michael Wingard	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. Mickey Felton	A#	EMC Corp.
Mr. Gary S. Robinson	P	EMC Corp.
Mr. William Martin	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	A	Hewlett Packard Co.
Mr. Rob Elliott	P	Hewlett Packard Co.
Mr. Dan Colegrove	P	Hitachi Global Storage Tech.
Mr. George O. Penokie	P	IBM Corp.
Dr. Mark Seidel	A	Intel 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. Avraham Shimor	P	M-Systems
Mr. Paul Wassenberg	A	Marvell Semiconductor, Inc.
Mr. David Walp	A#	Microsoft Corp
Mr. Greg Rice	V	Mindspeed Technologies
Mr. Jay Neer	P	Molex Inc.
Mr. Frederick Knight	A	Network Appliance
Mr. Mark Overby	P	Nvidia Corp.
Mr. Takaharu Ai	A	Panasonic AVC Networks Co.
Mr. William P. McFerrin	P	Philips Electronics/CD Edge
Mr. Thomas Grieff	A	Pivot3, Inc.
Mr. Paul Entzel	P	Quantum Corp.
Mr. Michael Rogers	AV	Samsung
Mr. Alvin Cox	A	Seagate Technology
Mr. Gerald Houlder	P	Seagate Technology
Mr. Stephen Finch	P	STMicroelectronics, Inc.
Mr. Scott Painter	A#	Sun Microsystems, Inc.
Mr. Roger Cummings	P	Symantec
Ms. Ashlie Fan	P	TycoElectronics
Mr. Dan Gorenc	A	TycoElectronics
Mr. Jim Scott	P	Vitesse Semiconductor
Mr. Curtis Stevens	P	Western Digital
Mr. Rich Ramos	P	Xyratex

46 People Present

Status Key: P - Principal L - Liaison

A,A# - Alternate V - Visitor
AV - Advisory Member

Enclosure(2) -- T10 Attendance Database

Generated on 2006/11/16 at 09:41:59

Mr. Chris Fore (P) Phone: (919) 287-2024
Adaptec, Inc. Fax: (919) 287-2099
523 Davis Drive, Suite 500 Email: chris_fore at adaptec dot com
Durham, NC 27713

Mr. Tom Treadway (A) Phone: 321-207-1267
Adaptec, Inc. Fax:
2602 Challenger Tech Court Email: tom_treadway at adaptec dot com
Suite 190
Orlando, FL 32826

Mr. Ziad Matni (AV) Phone: 610-712-3569
Agere Systems Fax:
1110 American Parkway NE Email: matni at agere dot com
Allentown, PA 18109

Mr. Ken Paist (AV) Phone: (610) 712-3265
Agere Systems Fax:
Room 12D-225B Email: paist at agere dot com
1110 American Parkway NE
Allentown, PA 18109-9138

Mr. Paul von Stamwitz (P) Phone: (408) 542-8767
AMCC Fax: (408) 542-8605
215 Moffett Park Drive Email: pvstamwitz at amcc dot com
Sunnyvale, CA 95089

Mr. Michael Wingard (P) Phone: (607) 786-4241
Amphenol Interconnect Fax: (607) 786-4311
20 Valley St. Email: mike dot wingard at aipce dot com
Endicott, NY 13760

Mr. Paul Griffith (AV) Phone: 408-313-6643
Broadcom Corp. Fax:
2451 Mission College Email: griffith at broadcom dot com
Santa Clara, CA 95054

Mr. Robert Snively (P) Phone: (408) 333-8135
Brocade Comm. Systems, Inc. Fax:
1745 Technology Drive Email: rsnively at brocade dot com
San Jose, CA 95110

Mr. Steven Wilson (A) Phone: (408) 333-8128
Brocade Comm. Systems, Inc. Fax: (408) 392-6655
1745 Technology Drive Email: swilson at brocade dot com

San Jose, CA 95110

Dr. Claudio DeSanti (AV) Phone: (408) 853-9172
Cisco Systems, Inc. Fax: (408) 853-9172
170 W. Tasman Dr. Email: cds at cisco dot com
San Jose, CA 95134

Mr. Fabio Maino (AV) Phone: (408) 853-7530
Cisco Systems, Inc. Fax: (408) 853-7530
170 W. Tasman Dr. Email: fmaino at cisco dot com
San Jose, CA 95134

Mr. John Tyndall (AV) Phone: (512) 928-7282
Crossroads Systems, Inc. Fax:
8300 North Mopac Expressway Email: jtyndall at crossroads dot com
Austin, TX 78749

Mr. James A. Lott, Jr. (P) Phone: (972) 371-4939
Dallas Semiconductor Fax: (972) 371-4370
4401 S. Beltwood Pkwy. Email: jim dot lott at dalsemi dot com
Dallas, TX 75244-3292

Mr. Steve Robalino (A) Phone: (512) 423-6198
Dallas Semiconductor Fax:
Email: Steven dot robalino at dalsemi dot
com

Mr. Gideon Avida (P) Phone: (650)413-6700
Decru Fax: (650)413-6790
275 Shoreline Dr. Email: gideon at decru dot com
Suite 450
Redwood City, CA 94065

Mr. Kevin Marks (P) Phone: (512) 723-9173
Dell, Inc. Fax: (512) 723-6657
One Dell Way - MS 8540 Email: kevin_marks at dell dot com
Round Rock, TX 78682

Mr. Gary S. Robinson (P) Phone: (617) 512-8859
EMC Corp. Fax:
85 East India Row Email: g dot robinson at computer dot org
Apt 18C
Boston, MA, 02110

Mr. David Black (A) Phone: (508) 293-7953
EMC Corp. Fax: (508) 293-7786

176 South St.
Hopkinton, MA 01748

Email: black_david at emc dot com

Mr. Mickey Felton (A#)
EMC Corp.
21 coslin Drive
Southboro, MA 01772

Phone: 508 382 7206
Fax:
Email: felton_mickey at emc dot com

Mr. William Martin (P)
Emulex
7213 Marblethorpe Dr
Roseville, CA 95747

Phone: (916) 772-3658
Fax: (916) 771-5416
Email: bill dot martin at emulex dot com

Mr. Robert H. Nixon (A)
Emulex
3333 Susan St.
Costa Mesa, CA 92626

Phone: (714) 885-3525
Fax: (714) 885-3794
Email: bob dot nixon at emulex dot com

Mr. I. Dal Allan (A)
ENDL
14426 Black Walnut Ct.
Saratoga, CA 95070

Phone: (408) 867-6630
Fax: (408) 867-2115
Email: endlcom at acm dot org

Mr. Ralph O. Weber (P)
ENDL Texas
Suite 102#178
18484 Preston Rd.
Dallas, TX 75252

Phone: (214) 912-1373
Fax: (972) 596-2775
Email: roweber at ieee dot org

Mr. Keith Holt (A)
Engenio Information Tech.
3718 N. Rock Rd.
Wichita, KS 67226-1397

Phone: (316) 636-8665
Fax:
Email: keith dot holt at lsi dot com

Mr. Douglas Wagner (P)
FCI
472 Delwood Ct.
Newbury Park, CA 91320-4819

Phone: (805) 498-0325
Fax:
Email: dwagner at fciconnect dot com

Mr. Elwood Parsons (P)
Foxconn Electronics
100 S. 38th St.

Harrisburg, PA 17105

Phone: (717) 558-7518 x141
Fax: (717) 558-9306
Email: elwood dot parsons at foxconn dot com

Mr. Mike Fitzpatrick (P)

Phone: (405) 820-5809

Fujitsu
1255 East Arques Ave.
Sunnyvale, CA 94085
Fax: (405) 755-8073
Email: mfitzpatrick at us dot fujitsu dot com

Mr. Ben-Koon Lin (A)
Fujitsu
2904 Orchard Pkwy.
San Jose, CA 95134
Phone: (408) 894-3979
Fax: (408) 894-3908
Email: blin at fcpa dot fujitsu dot com

Mr. Erhard Weiss (AV)
Fujitsu Siemens Comp. gmbH
Depatment: SNI PC SB ESW
Burgermeister-Ulrich-St
D-86199 Augsburg Germany
Phone: 49-821-804-3602
Fax: 49-821-804-2910
Email: weiss dot abg at sni dot de

Mr. Bob Thornton (AV)
Fujitsu Takamisawa America
250 E. Caribbean Dr.
Sunnyvale, CA 94089
Phone: (408) 745-4932
Fax: (408) 745-4971
Email: bthornto at fta dot fujitsu dot com

Mr. Nathan Hastad (P)
General Dynamics
8800 Queen Avenue South
Bloomington, MN 55431
Phone: (952) 921-6237
Fax: (952) 956-5445
Email: nathan dot hastad at gd-ais dot com

Mr. Tim Mackley (A)
General Dynamics
8800 Queen Ave. S.
Bloomington, MN 55431
Phone: (952) 921-6866
Fax:
Email: timothy dot mackley at gd-ais dot com

Ms. Liza Hunt (XO)
Global Engineering Documents
15 Inverness Way East
Englewood, CO 80112-5704
Phone:
Fax:
Email:

Mr. Rob Elliott (P)
Hewlett Packard Co.
MC140801
PO Box 692000
Houston, TX 77269-2000
Phone: (281) 518-5037
Fax: (281) 518-7135
Email: Elliott at hp dot com

Mr. Michael Banther (A)
Hewlett Packard Co.
Filton Road
Stoke Gifford
Bristol BS34 8QZ England
Phone: (44 117) 312-9503
Fax: (44 117) 312-9978
Email: michael_banther at hp dot com

Mr. Zane Daggett (P)
Hitachi Cable Manchester
900 Holt Ave.
Manchester, NH 03109
Phone: (603) 669-4347 x236
Fax: (603) 669-9621
Email: zdaggett at hcm dot hitachi dot com

Mr. Mike Guzman (A)
Hitachi Cable Manchester
900 Holt Ave.
Manchester, NH 03109
Phone: (603) 669-4347
Fax: (603) 669-9621
Email: mguzman at hcm dot hitachi dot com

Mr. Hitoshi (Todd) Horita (A#)
Hitachi Cable Manchester
900 Holt Ave
Manchester, NH 03109
Phone: (603) 669-4347
Fax: (603) 669-9621
Email: horita dot hitoshi at hitachi-cable dot co dot jp

Mr. Dan Colegrove (P)
Hitachi Global Storage Tech.
2903 Carmelo Dr.
Henderson, NV 89052
Phone: (702) 614-6119
Fax: (702) 614-7955
Email: daniel dot colegrove at hgst dot com

Ms. Sally Castillo (A)
Hitachi Global Storage Tech.
3055 41st Street NW
Rochester, MN, 55901
Phone: (507) 322-2316
Fax: (507) 322-2413
Email: Sally dot Castillo at hgst dot com

Mr. George O. Penokie (P)
IBM Corp.
MS 2C6
3605 Highway 52 N.
Rochester, MN 55901
Phone: (507) 253-5208
Fax: (507) 253-2880
Email: gop at us dot ibm dot com

Mr. Kevin Butt (A)
IBM Corp.
M/S 9032-2 6TY
9000 S. Rita Rd.
Tucson, AZ 85744
Phone: (520) 799-5280
Fax:
Email: kdbutt at us dot ibm dot com

Mr. Robert Sheffield (P)
Intel Corp.
5000 W. Chandler Blvd.
Chandler, AZ 85226-3699
Phone: (480) 554-8597
Fax: (480) 554-7347
Email: robert dot l dot sheffield at intel dot com

Dr. Mark Seidel (A)
Intel Corp.
5000 W. Chandler Blvd.
Phone: (480) 554-9755
Fax:
Email: mark dot n dot seidel at intel dot

com

Chandler, AZ 85226

Mr. Roger Jeppsen (AV)
Intel Corporation
5000 W. Chandler Blvd.

Phone: 480-552-0584
Fax: 480-554-6617
Email: roger dot c dot jeppsen at intel
dot com

M/S CH6-332
Chandler, AZ 85226

Mr. Robert Payne (P)
Iomega Corp.
1821 Iomega Way
Roy, UT 84067

Phone: (801) 332-4438
Fax: (801) 778-4170
Email: PayneR at iomega dot com

Mr. Joel Silverman (P)
Kawasaki Microelectronics Am
2570 North 1st Street #301
San Jose, CA 95131

Phone: (408) 570-0555 x405
Fax:
Email: joel at k-micro dot us

Mr. Hugh Curley (AV)
KnowledgeTek
3405 Larkspur Drive
Longmont, Co 80503

Phone: 303-682-1886
Fax:
Email: hcurley at indra dot com

Mr. Dennis Moore (P)
KnowledgeTek, Inc.
8620 Wolff Ct., Suite 108
Westminster, CO 80031

Phone: (303) 465-1800
Fax: (303) 426-2600
Email: dmoore at ix dot netcom dot com

Mr. John Geldman (P)
Lexar Media, Inc.
47300 Bayside Parkway
Fremont, CA 94538

Phone: (510) 580 8715
Fax: (510) 580 0504
Email: jgeldman at lexar dot com

Mr. Martin Furuhjelm (A)
Lexar Media, Inc.
47300 Bayside Parkway
Fremont, CA 94538

Phone: (510) 580-2368
Fax: (510) 580-0478
Email: mfuluhjelm at lexar dot com

Mr. Pat LaVarre (A#)
Lexar Media, Inc.
47300 Bayside Parkway
Fremont, CA 94538

Phone: (510) 743 4533
Fax: (510) 580 0504
Email: p dot lavarre at ieee dot org

Mr. John Lohmeyer (P)

Phone: (719) 533-7560

LSI Logic Corp.
4420 ArrowsWest Dr.
Colorado Springs, CO 80907

Fax: (719) 533-7183
Email: lohmeier at t10 dot org

Mr. Avraham Shimor (P)
M-Systems
7 Atir Yeda Str

Phone: +972528444610
Fax: +97235466888
Email: avraham dot shimor at m-systems dot com

Kfar Saba 44425
Israel

Mr. Ariel Sobelman (A)
M-Systems
7 Atir Yeda St

Phone: +972-52-4444104
Fax:
Email: ariel dot sobelman at m-systems dot com

Kfar Saba, 44425
Israel

Mr. Donald Rich (A#)
M-Systems Flash Disk Pioneers
7 Atir Yeda St.
Kfar Saba Israel 44425

Phone: +972 54 922 2188
Fax: +972 3 548 8666
Email: donald dot rich at m-systems dot com

Mr. David Geddes (P)
Marvell Semiconductor, Inc.
5488 Marvell Lane
E-203
Santa Clara CA 95054

Phone: (408) 222-3307
Fax: (408) 988-0136
Email: dgeddes at marvell dot com

Mr. Paul Wassenberg (A)
Marvell Semiconductor, Inc.
26880 Aliso Viejo Pkwy, #100
Aliso Viejo, CA 92656

Phone: 949-614-7714
Fax: 949-614-7780
Email: paulw at marvell dot com

Mr. Wei Zhou (A#)
Marvell Semiconductor, Inc.
700 First Avenue
Sunnyvale CA 94089

Phone: (408) 314-0355
Fax:
Email: wzhou at marvell dot com

Mr. David Peterson (P)
McDATA
6000 Nathan Lane North
Minneapolis, MN 55442

Phone: (763) 268-6139
Fax:
Email: david dot peterson at mcdata dot com

Mr. Tim Brackett (AV)
Meritec
1382 West Jackson Street
Painesville, OH 44077

Phone: (707) 836-7883
Fax: (707) 836-7959
Email: tbrackett at meritec dot com

Mr. Edward Cady (AV) Phone: (503) 359-4556
Meritec Fax: (503) 359-9273
1382 West Jackson Street Email: ecady at meritec dot com
Painesville, OH 44077

Mr. David Walp (A#) Phone: (425)7034187
Microsoft Corp Fax:
1 Microsoft Way Email: dwalp at microsoft dot com
Redmond, WA 98052

Mr. Robert Griswold (A) Phone: (425) 707-0271
Microsoft Corp. Fax: (425) 936-7329
One Microsoft Way. Email: rogris at microsoft dot com
Redmond, WA 98052

Mr. Mark Benedikt (P) Phone: (425) 704-9998
Microsoft Corporation Fax: (425) 936-7329
One Microsoft Way Email: markben at microsoft dot com
Redmond, WA 98052

Mr. Jay Neer (P) Phone: (561) 447-2907 x3889
Molex Inc. Fax: (561) 447-2908
399 W. Camino Gardens Blvd. Email: jay dot neer at molex dot com
Suite 103
Boca Raton, FL 33432

Mr. Galen Fromm (A#) Phone: (630) 718-5270
Molex Inc. Fax:
2222 Wellington Ct. Email: galen dot fromm at molex dot com
Lisle, IL 60532

Mr. Jerry Kachlic (A) Phone: (630) 718-5991
Molex Inc. Fax: (630) 512-8622
2216 Wellington Court Email: jerry dot kachlic at molex dot com
Lisle, IL 60532

Mr. Faisal Faruqui (AV) Phone: (408) 473-1370
NeoScale Systems Inc. Fax: (408) 473-1307
1655 McCarthy Boulevard Email: ffaruqui at neoscale dot com
Milpitas, CA 95035-8000

Mr. Landon Noll (AV) Phone: (408) 473-1300
NeoScale Systems Inc. Fax:
1655 McCarthy Boulevard Email: lnoll at neoscale dot com
Milpitas, CA 95035-8000

6605 Cypresswood Dr.
Suite 350
Spring, TX 77379

Email: billg at pivot3 dot com

Mr. Tim Symons (P)
PMC-Sierra
100-2700 Production Way
Burnaby,
BC, V5A 4X1. Canada

Phone: (604) 415 6000 x2264
Fax:
Email: Tim_Symons at pmc-sierra dot com

Mr. Yuriy Greshishchev (A)
PMC-Sierra
4th Floor - 411 Legget Drive

Kanata, Ontario K2K 3C9
Canada

Phone: 613-271-4034
Fax: 613-271-7007
Email: Yuriy_Greshishchev at pmc-sierra dot com

Mr. Craig W. Carlson (AV)
QLogic Corp.
6321 Bury Drive
Eden Prairie, MN 55346

Phone: (952) 932-4064
Fax:
Email: craig dot carlson at qlogic dot com

Mr. Skip Jones (AV)
QLogic Corp.
26600 Laguna Hills Dr.
Aliso Viejo, CA 92656

Phone: (949) 389-6368
Fax: (949) 389-6114
Email: skip dot jones at qlogic dot com

Mr. Paul Entzel (P)
Quantum Corp.
4001 Discovery Dr.
Boulder, CO 80303

Phone: (720) 406-5782
Fax: (720) 406-5762
Email: paul dot entzel at quantum dot com

Dr. Paul Suhler (A)
Quantum Corp.
1650 Sunflower Ave.
Costa Mesa, CA 97626

Phone: (714) 641-2485
Fax: (714) 966-7328
Email: paul dot suhler at quantum dot com

Mr. John A. Fobel (AV)
Rancho Technology, Inc.
10783 Bell Court
Rancho Cucamonga, CA 91730

Phone: (909) 987-3966
Fax: (909) 989-2365
Email: johnf at rancho dot com

Mr. Joseph Chen (AV)
Samsung
75 W. Plumeria Dr.
San Jose, CA 95134

Phone: (408) 544-5766
Fax:
Email: joseph dot chen at samsung dot com

Mr. Michael Rogers (AV)

Phone: (408) 544-5838

Samsung
75 W. Plumeria Dr.
San Jose, CA 95134

Fax:
Email: m dot rogers at samsung dot com

Mr. Gerald Houlder (P)
Seagate Technology
Mailstop SHK231
1280 Disc Drive
Shakopee, MN 55379-1863

Phone: (952) 402-2869
Fax: (952) 402-3471
Email: gerry dot houlder at seagate dot com

Mr. Alvin Cox (A)
Seagate Technology
1849 Ridgeway Drive
Yukon, OK 73099

Phone: (405) 350-7424
Fax:
Email: Alvin dot Cox at seagate dot com

Mr. James T. Lie (AV)
SiliconStor Inc.
48430 Lakeview Blvd.
Fremont, CA 94538

Phone: (510) 490-7795
Fax:
Email: jlie at siliconstor dot com

Mr. Stephen Finch (P)
STMicroelectronics, Inc.
1625 S Fordham St, Suite 500
Longmont, CO 80503

Phone: (303) 381-3587
Fax: (303) 381-3660
Email: steve dot finch at st dot com

Mr. Vit Novak (P)
Sun Microsystems, Inc.
MS MPK15-103
15 Network Circle.
Menlo Park, CA 94025

Phone: (650) 786-6175
Fax: (650) 786-6515
Email: vit dot novak at sun dot com

Mr. Charles Binford (A)
Sun Microsystems, Inc.
3450 N. Rock Rd., Suite 301
Wichita, KS 67226

Phone: (316) 315-0382 x222
Fax: (509) 756-4425
Email: Charles dot Binford at sun dot com

Mr. Dwayne Edling (A#)
Sun Microsystems, Inc.
1 StorageTek Drive
Louisville, CO 80028

Phone: 303-661-5299
Fax:
Email: dwayne dot edling at sun dot com

Mr. Erich Oetting (A#)
Sun Microsystems, Inc.
One StorageTek Drive
Louisville, CO 80028-4272

Phone: (303) 673-2178
Fax:
Email: erich dot oetting at sun dot com

Mr. Scott Painter (A#)

Phone: 303-673-7806

Sun Microsystems, Inc.
1 StorageTek Dr.
Louisville, CO 80028-5209

Fax:
Email: scott dot painter at sun dot com

Mr. Roger Cummings (P)
Symantec
Post Stop HR03-3
1001 Heathrow Park Lane
Heathrow, FL 32746

Phone: (407) 357-7257
Fax:
Email: roger_cummings at symantec dot com

Mr. Raymond Gilson (A)
Symantec Corporation
Mail Stop ROS2-3
2815 Cleveland Avenue
Roseville, MN 55113

Phone: 651.746.7281
Fax: 651.746.6713
Email: raymond_gilson at symantec dot com

Mr. Halvard Eriksen (AV)
Tandberg Data ASA
PO Box 134 Kjelsas

Phone: +47-22189090
Fax:
Email: halvard dot eriksen at tandberg dot com

N-0411
Oslo, Norway

Mr. Kjartan Nesbakken Haugen (AV)
Tandberg Storage
PO Box 196 Kjelsaas, N-0411 Oslo

Phone:
Fax:
Email: kjartan dot haugen at tandbergstorage dot com

Norway

Mr. Anders Liverud (AV)
Tandberg Storage
PO Box 196 Kjelsas

Phone: +4722189555
Fax: +4722189257
Email: anders dot liverud at tandbergstorage dot com

N-0411 Oslo
Norway

Mr. Paul D. Aloisi (P)
Texas Instruments
50 Phillipe Cote St.
Manchester, NH 03101

Phone: (603) 222-8687
Fax: (603) 222-8700
Email: Paul_Aloisi at ti dot com

Mr. Robert Kando (A)
Texas Instruments
50 Phillipe Cote St.
Manchester, NH 03101

Phone: (603) 222-8667
Fax:
Email: Robert_Kando at ti dot com

Mr. Tom McGoldrick (AV)
Toshiba
9740 Irvine Blvd.

Phone: (949) 462-7575
Fax: (949) 462-7510
Email: Tom dot McGoldrick at tais dot toshiba dot com

Irvine, CA 92618

Mr. Scott Wright (AV) Phone: (949) 462-7551
Toshiba Fax: (949) 581-1170
9740 Irvine Blvd. Email: Scott dot Wright at tais dot
toshiba dot com

Irvine, CA 92618

Ms. Ashlie Fan (P) Phone: (508) 926-4148
TycoElectronics Fax: (508) 752-4230
125 Goddard Memorial Drive Email: afan at madisoncable dot com
Worcester, MA 01603

Mr. Dan Gorenc (A) Phone: (717) 986-3518
TycoElectronics Fax: (717) 592-2566
M/S 128-053 Email: daniel dot gorenc at
tycoelectronics dot com

PO Box 3608
Harrisburg, PA 17105-3608

Mr. Ron Mathews (AV) Phone: (949) 380-5077
UNISYS Corporation Fax: (949) 380-5858
N1101 Email: ronald dot mathews at unisys dot com
25725 Jeronimo Road
Mission Viejo, CA 92691

Mr. Phil Shelton (AV) Phone: (949) 380-5111
UNISYS Corporation Fax: (949) 380-5858
MV201 Email: phil dot shelton at unisys dot com
25725 Jeronimo Road
Mission Viejo, CA 92691

Mr. George Ren (AV) Phone: (408) 235-3002
Universal Scientific Industrial Co Fax: (408) 982-0145
3600 Peterson Way Email: ren at ms dot usi dot com dot tw
Santa Clara, CA 95054

Mr. Robin Yan (AV) Phone: (408) 235-3002
Universal Scientific Industrial Co Fax: (408) 982-0145
3600 Peterson Way Email: robin_y at ms dot usi dot com dot tw
Santa Clara, CA 95054

Mr. Jim Scott (P) Phone: 719 867 6295
Vitesse Semiconductor Fax: 719 867 6202
4323 ArrowsWest Dr. Email: jims at vitesse dot com
Colorado Springs, CO 80907

Mr. David Allen (A) Phone: 719-867-6280

Vitesse Semiconductor
4323 ArrowsWest Dr.
Colorado Springs, CO 80907

Fax:
Email: dallen at vitesse dot com

Mr. Kevin Witt (A#)
Vitesse Semiconductor
Vitesse Semiconductor
4323 ArrowsWest Dr.
Colorado Springs, CO 80907

Phone: (719) 867-4438
Fax:
Email: kwitt at vitesse dot com

Mr. Curtis Stevens (P)
Western Digital
20511 Lake Forest Dr.
Lake Forest, Ca. 92630

Phone: 949-672-7933
Fax:
Email: Curtis dot Stevens at wdc dot com

Mr. Mark Evans (A)
Western Digital
5863 Rue Ferrari
San Jose, CA 95138

Phone: (408) 363-5257
Fax: (408) 363-5139
Email: Mark dot Evans at wdc dot com

Mr. Jeff Williams (P)
Xiotech Corp.
6455 Flying Cloud Drive
Eden Prarie, MN 55344

Phone: (952) 983-2445
Fax: (952) 983-2320
Email: jeff_williams at xiotech dot com

Mr. Rich Ramos (P)
Xyratex
860 Embarcadero Dr
Ste 10
W. Sacramento CA 95691

Phone: (312) 224-8852
Fax:
Email: rich_ramos at us dot xyratex dot com