Accredited Standards Committee*

National Committee for Information Technology Standards (NCITS)

Doc. No.: T10/00-308r1

Date: September 25, 2000

Reply to: John Lohmeyer

To: T10 Membership

From: Ralph Weber / John Lohmeyer

Subject: Minutes of T10 Plenary Meeting #39 -- September 14, 2000

Huntington Beach, CA

Agenda

- 1. Opening Remarks
- 2. Approval of Agenda
- 3. Attendance and Membership
- 4. Approval of Minutes July '00 Meeting Colorado Springs, CO (T10/00-251r2)
- 5. Document Distribution
- 6. Call for Patents
- 7. Review of Old Action Items
- 8. Project Status Reports
 - 8.1 Project Status Summary and NCITS Liaison [Lohmeyer]
 - 8.2 SCSI Fibre Channel Protocol 2 (FCP-2) {Project 1144-D} [Snively]
 - 8.3 SCSI Architecture Model 2 (SAM-2) {Project 1157-D} [Weber]
 - 8.4 SCSI Enclosure Services Amendment #1 (SES AM1) {Project 1212-M} [Elliott]
 - 8.5 SCSI Primary Commands 2 (SPC-2) Status {Project 1236-D} [Weber]
 - 8.6 SCSI Parallel Interface 3 (SPI-3) {Project 1302-D} [Penokie]
 - 8.7 MultiMedia Command Set 3 (MMC-3) {Project 1363-D} [McFerrin]
 - 8.8 Reduced MultiMedia Command Set (RMC) {Project 1364-D} [McFerrin]
 - 8.9 SCSI Parallel Interface 4 (SPI-4) {Project 1365-D} [Penokie]
 - 8.10 SCSI Domain Validation Technical Report (SDV) {Project 1378-DT} [Roberts]
 - 8.11 SCSI on Scheduled Transfer (SST) {Project 1380-D} [Woelz]
 - 8.12 SCSI Medium Changer Commands 2 (SMC-2) {Project 1383-D} [Oetting]
 - 8.13 SCSI Signal Modeling (SSM) {Project 1414-DT} [Aloisi]
 - 8.14 SCSI VI Protocol (SVP) {Project 1415-D} [Gardner]
 - 8.15 SCSI Primary Commands 3 (SPC-3) {Project 1416-D} [Weber]
 - 8.16 SCSI Block Commands 2 (SBC-2) {Project 1417-D} [Milligan]
 - 8.17 Object-based Storage Devices Commands (OSD) {Project 1355-D} [Milligan]
 - 8.18 SCSI Stream Commands 2 (SSC-2) {Project 1434-D} [Peterson]
 - 8.19 SCSI Passive Interconnect Performance (PIP) Technical Report (PIP) {Project 1439-DT} [Ham]
- 9. Old Business
 - 9.1 IEEE Usage of T10 Vendor ID List [Lohmeyer]
 - 9.2 T10 Style Guide and Templates Project Report [Evans]
 - 9.3 REQ/ACK offsets for Ultra320 (00-271) [Leshay]
 - 9.4 Make PPR Pace_On bit reserved (00-292) [Penokie]
- 10. New Business
 - 10.1 Actions on August SPI-4 Working Group Recommendations
 - 10.1.1 Assertion handshaking protocol for Ultra320 SCSI (00-311r1) [Evans and Leshay]
 - 10.1.2 Making PPR Pace On bit reserved (00-292r2) [Penokie]
 - 10.1.3 Packetized streaming clarification (00-326r1) [Galloway]

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- 10.1.4 Vendor unique IU type (00-325r0) [Galloway]
- 10.1.5 Disabling Precompensation (00-321r1) [Moore]
- 10.2 Actions on September SPI-4 Working Group Recommendations
 - 10.2.1 Getting Training Started in SPI-4 (00-324r3) [Penokie]
 - 10.2.2 Proposal for revision of the timing tables and definitions in SPI-4 (00-323r4) [Milligan]
 - 10.2.3 ATN timing for Paced Transfers (00-343r2) [Galloway]
 - 10.2.4 Proposed Changes for SPI-4 (00-246r7) [Aloisi]
 - 10.2.5 Setup and Hold Diagrams (00-353r1) [Milligan]
 - 10.2.6 SPI-4 IU Handling Clean-up (00-335r1) [Penokie]
 - 10.2.7 SPI-4 Clarifications (00-322r2) [Moore]
- 10.3 Actions on September SDV Working Group Recommendations
 - 10.3.1 Expander Communications Protocol (00-257r3) [Lohmeyer]
- 10.4 Actions on September CAP Working Group Recommendations
 - 10.4.1 Identifying a 3rd Party Copy device/LUN (00-344r0) [Peterson]
 - 10.4.2 Task Aborted SAM changes (00-229r3) [Binford]
 - 10.4.3 SAM-2 Task Identifier Readability Enhancements and Addition of Nexus to SAM-2 (00-140r3) [Weber]
 - 10.4.4 Replacing SMU with TBD in SAM-2 [Weber]
 - 10.4.5 Bidirectional data transfers in SAM-2 (00-309r2) [Penokie]
 - 10.4.6 64-bit Tag in SVP (00-354r0) [Gardner]
 - 10.4.7 Reporting Supported Request Types in SVP (00-355r0) [Gardner]
 - 10.4.8 SBC-2 Initialization Pattern (00-248r2 #6) [Elliott]
 - 10.4.9 Transport ID for Access Controls (00-287r1) [Hafner]
 - 10.4.10 Standard Is A Functional Description (00-333r0) [Milligan]
- 11. ISO/IEC
 - 11.1 ISO/IEC Report [Milligan]
 - 11.2 ISO/IEC Business [Milligan]
 - 11.2.1 5-year review of ISO/IEC 9316:1995, Small Computer System Interface 2 (SCSI-2)
 - 11.2.2 Non-Automatic adoption of ISO/IEC Standards as American National Standards
 - 11.2.3 US vote on FCD 14776-113 (SPI-3)
- 12. Liaison Reports
 - 12.1 T11 Liaison Report [Wanamaker]
 - 12.2 T13 Liaison Report [Milligan]
 - 12.3 SFF Industry Group [Allan]
 - 12.4 IEEE 1394 [Johansson]
 - 12.5 IEEE P1285 Status
 - 12.6 SCSI Trade Association (STA) [Jones/Aloisi]
 - 12.7 IETF SCSI over IP [Gardner/Robinson]
- 13. Review of Action Items
- 14. Meeting Schedule
 - 14.1 Authorization of Working Group Meetings
- 15. Adjournment

Results of Meeting

1. Opening Remarks

John Lohmeyer, the T10 Chair, called the meeting to order at 9:00 a.m., Thursday September 14, 2000. He thanked Skip Jones of QLogic for hosting the meeting.

John said that NCITS Subgroup Membership forms and the T10 Mailing Subscription form were available from the head table. He said that people should use the NCITS forms to insure the NCITS Secretariat has the latest membership information. These forms should be mailed directly to the NCITS Secretariat.

As is customary, the people attending introduced themselves and a copy of the attendance list was circulated. Copies of the draft agenda and general information on T10 were made available to those attending.

2. Approval of Agenda

The draft agenda was approved with the following additions/changes:

- 10.1 Actions on August SPI-4 Working Group Recommendations
- 10.1.1 Assertion handshaking protocol for Ultra320 SCSI (00-311r1) [Evans and Leshay]
- 10.1.2 Making PPR Pace On bit reserved (00-292r2) [Penokie]
- 10.1.3 Packetized streaming clarification (00-326r1) [Galloway]
- 10.1.4 Vendor unique IU type (00-325r0) [Galloway]
- 10.1.5 Disabling Precompensation (00-321r1) [Moore]
- 10.2 Actions on September SPI-4 Working Group Recommendations
- 10.2.1 Getting Training Started in SPI-4 (00-324r3) [Penokie]
- 10.2.2 Proposal for revision of the timing tables and definitions in SPI-4 (00-323r4) [Milligan]
- 10.2.3 ATN timing for Paced Transfers (00-343r2) [Galloway]
- 10.2.4 Proposed Changes for SPI-4 (00-246r6 & 00-347r0) [Aloisi]
- 10.2.5 Setup and Hold Diagrams (00-353r1) [Milligan]
- 10.2.6 SPI-4 IU Handling Clean-up (00-335r1) [Penokie]
- 10.2.7 SPI-4 Clarifications (00-322r2) [Moore]
- 10.3 Actions on September SDV Working Group Recommendations
- 10.3.1 Expander Communications Protocol (00-257r3) [Lohmeyer]
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- 10.4.7 Reporting Supported Request Types in SVP (00-355r0) [Gardner]
- 10.4.8 SBC-2 Initialization Pattern (00-248r2 #6) [Elliott]
- 10.4.9 Transport ID for Access Controls (00-287r1) [Hafner]
- 10.4.10 Standard Is A Functional Description (00-333r0) [Milligan]

The following agenda items were added/revised during the course of the meeting:

- 10.2.4 Proposed Changes for SPI-4 (00-246r7) [Aloisi]
- 11.2.3 US vote on FCD 14776-113 (SPI-3)

3. Attendance and Membership

The membership requirements were reviewed. NCITS rules permit one vote per organization. An individual from a new organization must attend at least one T10 plenary meeting as an Observer. He/she may apply for voting membership at this meeting, which becomes effective following adjournment of the meeting. Voting privileges begin upon receipt by the NCITS Secretariat of applicable fees for the membership year.

To maintain membership, organizations must pay the NCITS Service Fee (\$300). The ANSI International Program Fee (also \$300) is billed at the same time.

John briefly discussed the mailing fees. Complete pricing information is contained in the 2000 membership form (available at ftp://ftp.t10.org/t10/mem_form.txt).

John noted that following the July meeting, The JPM Co. had been re-instated bringing the T10 membership up to 39 organizations.

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 letters to 3 people from 2 organizations informing them that their membership was in jeopardy due to non-attendance (see 00-022r0) and that their membership would be terminated if they did not attend this meeting. The following organizations were in attendance jeopardy:

KnowledgeTek, Inc.

Panasonic Technologies, Inc.

All of these organizations were present.

The following organizations requested new (or reinstated) membership:

Ancot

Nishan Systems requested new membership following the meeting.

The T10 membership during the meeting was 40 organizations up from 39 organizations following the last meeting and the T10 membership following the meeting was 41 organizations. Enclosure (1) is the list of the people present at the meeting and enclosure (2) is the current T10 membership list.

4. Approval of Minutes - July '00 Meeting - Colorado Springs, CO (T10/00-251r2)

The minutes were approved as written.

5. Document Distribution

Members who have any problems with their mailing subscription should deal directly with Monica Vago (mvago@itic.org) (202) 626-5741.

John Lohmeyer requested that all documents for the next mailing be in his hands in electronic format by 10:30 a.m. on Thursday September 21, 2000. 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.

The electronic copies can be sent directly to John by email (at lohmeyer@t10.org), or they can be transferred by ftp protocol to ftp.t10.org and placed in the /incoming directory. In the latter case, please also send email to John informing him of the file name and location of the file.

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 email to majordomo@t10.org with the line 'subscribe t10' in the message body.

The NCITS Secretariat maintains a World Wide Web page at http://www.ncits.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/

The current document register is enclosure (3). The T10 document register is also available at:

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

6. Call for Patents

This is a regular agenda item to identify any potential patent issues with developing standards and technical reports.

A document is available from ANSI, "Procedures for the Development and Coordination of American National Standards", at no charge. This document is also on the WWW at http://www.ncits.org/help/ansi_sdo.html. Section1.2.11 contains the ANSI patent policy. Amy Marasco manages patent issues for ANSI and can be contacted at amarasco@ansi.org or 212-642-4954. Gene Milligan has 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 presented a foil containing a summary of the ANSI patent policy that Gary Robinson had sent to John. The summary is also included on the Rules and Procedures (plus Patent Information) on the T10 web site.

John asked that anyone who knows of applicable patents contact him. There were no responses to the call for patents.

7. Review of Old Action Items

- Paul Aloisi will lead the SSM working group in preparation of a press release regarding the usage of the T10 web site that John Lohmeyer can forward to NCITS for distribution. *Completed*
- 377) John Lohmeyer will forward the SSM press release to NCITS. Completed
- 395) John Lohmeyer will prepare 00-221r2 (Policy for T10 Plenary Meetings and Accompanying Meeting Weeks) for forwarding to NCITS. *Completed*
- 396) John Lohmeyer will forward 00-221r2 to NCITS for processing as a T10 procedures document. Completed
- 397) John Lohmeyer will forward 00-283r1 (NCITS T10 Standards Development Policies and Procedures) to NCITS for processing as a revision to a previously approved (94-198r3) T10 procedures document. *Completed*
- 398) John Lohmeyer will forward SES Amendment #1 Rev 1 to NCITS for further processing to correct the SES defects identified in 00-233r1. *Completed*

8. Project Status Reports

8.1 Project Status Summary and NCITS Liaison [Lohmeyer]

John Lohmeyer said that the current T10 project status summary was included in the T10 Information Packages distributed prior to the meeting and will be included in the mailing as usual.

8.2 SCSI Fibre Channel Protocol - 2 (FCP-2) {Project 1144-D} [Snively]

Bob Snively reported on the FCP-2 activities of the Commands, Architecture, and Protocols Working Group (minutes in 00-307). He noted FCP-2 revision 4a is available for the next committee mailing and 00-300r1 describes the changes that are in FCP-2 rev 4a. A letter ballot is anticipated for either FCP-2 rev 5 or rev 6. Bob stated that the target date for forwarding FCP-2 is November 2001.

8.3 SCSI Architecture Model - 2 (SAM-2) {Project 1157-D} [Weber]

Ralph Weber reported that several important proposals for SAM-2 changes have been recommended by the working group and will be considered later in this meeting. He stated that a new revision of SAM-2 will be available in time for the committee mailing.

8.4 SCSI Enclosure Services Amendment #1 (SES AM1) {Project 1212-M} [Elliott]

John Lohmeyer reported that the public review of SES AM1 closes on October 8.

8.5 SCSI Primary Commands - 2 (SPC-2) Status {Project 1236-D} [Weber]

Ralph Weber reported that progress on SPC-2 letter ballot comment resolution is being hindered by lack of sufficient meeting time to review the proposed resolutions. He requested 8 hours of meeting time during the November meeting week. He noted two significant letter ballot resolution agreements that were reached during meetings earlier this week. Support for VPD pages will be made mandatory as will support for specified identifiers in the Device Identifier VPD page. The COPY, COPY AND VERIFY, and COMPARE commands will be made obsolete in SPC-2.

8.6 SCSI Parallel Interface - 3 (SPI-3) {Project 1302-D} [Penokie]

John Lohmeyer reported that SPI-3 is on the NCITS management review agenda for October and he anticipates approval at that time.

8.7 MultiMedia Command Set - 3 (MMC-3) {Project 1363-D} [McFerrin]

Bill McFerrin reported the activities of the MMC-3 working group (minutes in 00-362) He noted that the adjusted MMC-3 schedule plans the T10 letter ballot for March 2001. Bill stated that MMC-3 is requesting 3 days of meeting time in November and January plus one day of meeting time in December.

8.8 Reduced MultiMedia Command Set (RMC) {Project 1364-D} [McFerrin]

Bill McFerrin reported that RMC development is dormant at this time so that work on MMC-3 can proceed.

8.9 SCSI Parallel Interface - 4 (SPI-4) {Project 1365-D} [Penokie]

George Penokie reported on the activities of the SPI-4 working group (August minutes in 00-304 and September minutes in 00-306). George stated that SPI-4 rev 1 will be prepared in time for the next meeting but not in time for the committee mailing.

8.10 SCSI Domain Validation Technical Report (SDV) {Project 1378-DT} [Roberts]

Ron Roberts reported on the activities of the SDV working group (August minutes in 00-303 and Septmeber minutes in 00-305).

8.11 SCSI on Scheduled Transfer (SST) {Project 1380-D} [Woelz]

Don Woelz reported that the current revision 4 was reviewed at the last working group meeting (minutes in 00-365). He requested an editing meeting on Monday October 30 with a T10 letter ballot to follow shortly thereafter. He requested a working group meeting on December 6 with T11.

8.12 SCSI Medium Changer Commands - 2 (SMC-2) {Project 1383-D} [Oetting]

Erich Oetting reported that the current document revision is still 0. He solicited thoughts on a proposal for enhancing SMC-2 to handle multiple media types in a changer.

8.13 SCSI Signal Modeling (SSM) {Project 1414-DT} [Aloisi]

Paul Aloisi reported on the activities of the SSM working group meeting (minutes in 00-302). He noted that Larry Barnes is the vice-chair and he (Paul) is the chair. He stated that the next meeting is October 10 and 11 with a future meeting on December 13 and 14.

8.14 SCSI VI Protocol (SVP) {Project 1415-D} [Gardner]

Ed Gardner reported on the SVP work and activities related to SVP in the CAP working group (report in 00-278r1 minutes in 00-307). Ed Gardner and Peter Johansson discussed decisions in process over whether to use SVP or SBP-2 for InifiniBand^(tm) storage access. Ed noted he anticipates a T10 letter ballot on SVP in January 2001.

8.15 SCSI Primary Commands - 3 (SPC-3) {Project 1416-D} [Weber]

Ralph Weber reported that progress on SPC-3 has been delayed by at least four months as a result of the difficulties encountered in resolving comments from the SPC-2 letter ballot. If no further schedule slips are encountered, SPC-3 will go to letter ballot in September 2002.

8.16 SCSI Block Commands - 2 (SBC-2) {Project 1417-D} [Milligan]

Gene Milligan asked John Lohmeyer to change the forwarding date for SBC-2 to July 2001 to match the schedule approved by T10 during the March meeting. Gene Milligan reported on the CAP activities related to SBC-2 (minutes in 00-307). In the absence of any objections SBC-2 revision 1 was accepted as the committee draft. Gene reminded the committee that SBC-2 proposal cutoff is November 2000.

8.17 Object-based Storage Devices Commands (OSD) {Project 1355-D} [Milligan]

Gene Milligan reported that the OSD working group will meet follow the T10 plenary meeting. Gene proposed that new OSD proposals be cut off in February 2001 with letter ballot in August 2001. In the absence of any objections, the OSD working group was authorized to approve its own changes in the OSD draft since at the moment it was not practical for T10 to provide a time for the OSD ad hoc before the plenary in the T10 meeting week.

8.18 SCSI Stream Commands - 2 (SSC-2) {Project 1434-D} [Peterson]

In the absence of Dave Peterson, John Lohmeyer reported that the SSC-2 forwarding date has been set for November 2001. He noted that the reason for the schedule delay is work on a tape model that reduces or eliminates the assumed state interactions between initiators and tapes.

8.19 SCSI Passive Interconnect Performance (PIP) Technical Report (PIP) {Project 1439-DT} [Ham]

Bill Ham reported on the activities PIP working group (minutes in 00-301).

9. Old Business

9.1 IEEE Usage of T10 Vendor ID List [Lohmeyer]

John Lohmeyer reported NCITS raised no objections to having T10 assign vendor IDs as per the proposal made by the committee in May and July. While the issue had been referred to NCITS council to make sure there are no legal exposures, none are anticipated. He stated that T10 should close discussion of this topic.

9.2 T10 Style Guide and Templates Project Report [Evans]

The following motion was deferred from the July meeting: That T10 adopt in principle the ISO/IEC Directives, Part 3, Rules for the structure and drafting of International Standards as the T10 style guide with the intent that T10 develop a cover style guide containing references to the ISO/IEC directives. The motion passed on a vote of 19:1:1:19=40. Gene Milligan took an action item to create the T10 style guide document with links to the corresponding ISO/IEC MSword templates (dot files).

9.3 REQ/ACK offsets for Ultra320 (00-271) [Leshay]

This item was covered under 10.1.1.

9.4 Make PPR Pace On bit reserved (00-292) [Penokie]

This item was covered under 10.1.2.

10. New Business

10.1 Actions on August SPI-4 Working Group Recommendations

10.1.1 Assertion handshaking protocol for Ultra320 SCSI (00-311r1) [Evans and Leshay]

George Penokie reviewed the content of 00-311r1, 00-326r1, 00-3250, and 00-321r1. George Penokie moved that 00-311r1, 00-326r1, 00-3250, and 00-321r1 be approved for inclusion in SPI-4. Bill Galloway seconded the motion. The motion passed on a vote of 25:0:1:14=40.

10.1.2 Making PPR Pace On bit reserved (00-292r2) [Penokie]

John Lohmeyer reported on the results of the letter ballot (see 00-024). Gene Milligan moved to reconsider the results of the letter ballot. The move to reconsider failed on a vote of 4:9:12:15=40. Gene Milligan stated that further consideration of the proposal would be out of order in light of the failure to pass the motion to reconsider.

John Lohmeyer, noting that the letter ballot had passed with some comments, moved that T10 accept 00-292r2 as resolving the letter ballot comments. Ed Gardner seconded the motion. The motion passed on a vote of 19:0:3:18=40.

10.1.3 Packetized streaming clarification (00-326r1) [Galloway]

By the unanimous consent of the committee, this issue was considered in 10.1.1.

10.1.4 Vendor unique IU type (00-325r0) [Galloway]

By the unanimous consent of the committee, this issue was considered in 10.1.1.

10.1.5 Disabling Precompensation (00-321r1) [Moore]

By the unanimous consent of the committee, this issue was considered in 10.1.1.

10.2 Actions on September SPI-4 Working Group Recommendations

10.2.1 Getting Training Started in SPI-4 (00-324r3) [Penokie]

George Penokie moved that 00-324r3 be approved for inclusion in SPI-4. Bill Galloway seconded the motion. The motion passed on a vote of 23:0:2:15=40.

10.2.2 Proposal for revision of the timing tables and definitions in SPI-4 (00-323r4) [Milligan]

Gene Milligan moved that 00-323r1 be approved for inclusion in SPI-4. Bill Galloway seconded the motion. The motion passed on a vote of 10:1:10:19=40.

10.2.3 ATN timing for Paced Transfers (00-343r2) [Galloway]

Bill Galloway moved that 00-343r2 be approved for inclusion in SPI-4. Gene Milligan seconded the motion. The motion passed on a vote of 14:1:10:15=40.

10.2.4 Proposed Changes for SPI-4 (00-246r7) [Aloisi]

George Penokie noted that the approved content of 00-347r0 had been incorporated in 00-246r7.

Ed Gardner moved that 00-246r7 be approved for inclusion in SPI-4. Paul Aloisi seconded the motion.

George Penokie provided an overview of the proposal, indicating that there are four receiver masks in the proposal (one for the clock and 3 for various receiver options) and that two of the four masks are mandatory. Bill Ham presented a discussion opposed to the motion (00-366). George Penokie stated that the working group has exercised due diligence and sending this back to the working group will not accomplish anything. In response to issues raised by Dal Allan, Paul Aloisi stated that the working group has not received enough input from the systems groups to assist in making choices.

Dal Allan requested a roll call vote. The roll call vote failed on 7:13:7:13=40. The details of the roll call vote were as follows:

Organization	Stat	Nam	e	Yes	No	Abs	NP
Adaptec, Inc.	A	Mr.	Ron Roberts		1		
AMP / Tyco Electronics							1
Amphenol Interconnect							1
Ancot Corp.	P	Mr.	Bart Raudebaugh		1		
BREA Technologies, Inc.	P	Mr.	Bill Galloway	1			
Brocade Communications	P	Mr.	Robert Snively			1	
CMD Technology							1
Compaq Computer Corp.	P	Mr.	Robert C. Elliott		1		
Crossroads Systems, Inc.							1
Dallas Semiconductor	P	Mr.	Charles Tashbook		1		
Dell Computer							1
EMC	P	Mr.	Gary S. Robinson		1		

ENDL	А	Mr.	I. Dal Allan		1		
Exabyte Corp.	P	Mr.	Mike Taylor		1		
FCI	P	Mr.	Douglas Wagner	1			
Fujitsu	P	Mr.	Eugene Lew		1		
General Dynamics							1
Genroco, Inc.	P	Mr.	Donald Woelz			1	
Hewlett Packard Co.							1
Hitachi Cable Manchester, Inc							1
Honda Connectors							1
IBM Corp.	P	Mr.	George O. Penokie	1			
Iomega Corp.							1
KnowledgeTek, Inc.	P	Mr.	Dennis Moore		1		
LSI Logic Corp.	P	Mr.	John Lohmeyer			1	
Madison Cable Corp.	P	Mr.	Chuck Grant		1		
Maxtor Corp.							1
Molex Inc.	A	Mr.	Glen Griessler		1		
Ophidian Designs	P	Mr.	Edward A. Gardner	1			
Panasonic Technologies, Inc	P	Mr.	Han Zou			1	
Philips Electronics	P	Mr.	William P. McFerrin			1	
QLogic Corp.	P	Mr.	Skip Jones		1		
Quantum Corp.	P	Mr.	Mark Evans	1			
Seagate Technology	P	Mr.	Gene Milligan	1			
Storage Technology Corp.	P	Mr.	Erich Oetting			1	
Sun Microsystems, Inc.	P	Mr.	Kenneth Moe	1			
Texas Instruments	P	Mr.	Paul D. Aloisi		1		
The JPM Co.							1
Toshiba America Elec. Comp.	P	Mr.	Tasuku Kasebayashi			1	
Woven Electronics							1
				7	13	7	13 = 40

Gene Milligan asked that the plenary provide guidance to the working group. Paul Aloisi noted that a problem in the working group was a lack of guidance from the systems vendors. Bill Ham stated that the recommendation should be viewed as 'get one proposal'.

10.2.5 Setup and Hold Diagrams (00-353r1) [Milligan]

Gene Milligan moved that 00-353r1 be approved for inclusion in SPI-4. Bill Galloway seconded the motion. The motion passed on a vote of 13:1:10:16=40.

10.2.6 SPI-4 IU Handling Clean-up (00-335r1) [Penokie]

George Penokie moved that 00-335r1 be approved for inclusion in SPI-4. Bill Galloway seconded the motion. The motion passed on a vote of 15:1:7:17=40.

10.2.7 SPI-4 Clarifications (00-322r2) [Moore]

Skip Jones moved that 00-322r2 be approved for inclusion in SPI-4. Bill Galloway seconded the motion. The motion passed on a vote of 13:1:8:18=40.

10.3 Actions on September SDV Working Group Recommendations

10.3.1 Expander Communications Protocol (00-257r3) [Lohmeyer]

John Lohmeyer moved that 00-257r3 be approved for inclusion in SPI-4 and/or SPC-3. Paul Aloisi seconded the motion. The motion passed on a vote of 15:1:6:18=40. George Penokie, Ralph Weber, and John Lohmeyer will work together to incorporate ECP into SPI-4 and SPC-3.

10.4 Actions on September CAP Working Group Recommendations

10.4.1 Identifying a 3rd Party Copy device/LUN (00-344r0) [Peterson]

Erich Oetting moved that 00-344r0 be approved for inclusion in SPC-2. John Lohmeyer seconded the motion. The motion failed to achieve the requirements of a two-thirds vote (greater than [one-half the total committee membership minus the 6 abstains] did not vote in favor) on a vote of 13:3:6:18=40.

Bob Snively moved that 00-344r0 be approved for inclusion in SPC-3. Erich Oetting seconded the motion. The motion passed on a vote of 13:3:6:18=40 (this motion only required a simple majority vote).

10.4.2 Task Aborted - SAM changes (00-229r3) [Binford]

Ralph Weber moved that 00-229r3 be accepted for inclusion in SAM-2, FCP-2 and SPC-2. John Lohmeyer seconded the motion. The motion passed on a vote of 21:1:0:18=40 (note the two-thirds rule was met for the SPC-2 changes).

10.4.3 SAM-2 Task Identifier Readability Enhancements and Addition of Nexus to SAM-2 (00-140r3) [Weber]

Ralph Weber moved that 00-140r3 be approved for inclusion in SAM-2. Bill Galloway seconded the motion. The motion passed on a vote of 22:0:1:17=40.

10.4.4 Replacing SMU with TBD in SAM-2 [Weber]

Ralph Weber moved that the SMU discussion in SAM-2 be replaced with TBD. George Penokie seconded the motion. Gene Milligan asked that no references to in-process proposals be placed in SAM-2 and the committee agreed not to do that. The motion passed on a vote of 21:0:0:19=40.

10.4.5 Bidirectional data transfers in SAM-2 (00-309r2) [Penokie]

George Penokie moved 00-309r2 be approved for inclusion in SAM-2. Bob Snively seconded. The motion passed on a vote of 19:0:2:19=40.

10.4.6 64-bit Tag in SVP (00-354r0) [Gardner]

Ed Gardner moved that 00-354r0 be approved for inclusion in SVP. Bill Galloway seconded the motion. The motion passed on a vote of 21:0:1:18=40.

10.4.7 Reporting Supported Request Types in SVP (00-355r0) [Gardner]

Ed Gardner moved that 00-355r0 be approved for inclusion in SVP. Bill Galloway seconded the motion. The motion passed on a vote of 21:0:1:18=40.

10.4.8 SBC-2 Initialization Pattern (00-248r2 #6) [Elliott]

Rob Elliott moved that 00-248r2 item number 6 be approved for inclusion in SBC-2. Bill Galloway seconded the motion. The motion passed on a vote of 21:0:1:18=40.

10.4.9 Transport ID for Access Controls (00-287r1) [Hafner]

Ralph Weber moved that 00-287r1 be approved for inclusion in SPC-3. David Black seconded the motion. The motion passed on a vote 20:0:1:19=40.

10.4.10 Standard Is A Functional Description (00-333r0) [Milligan]

Gene Milligan moved that 00-333r0 be approved for inclusion in all future SCSI standards. Bob Snively seconded the motion. The motion passed on a vote of 18:1:1:20=40.

11. ISO/IEC

11.1 ISO/IEC Report [Milligan]

Gene Milligan provided an oral report to the committee and supplied an electronic report that is available in 00-372r0.

11.2 ISO/IEC Business [Milligan]

11.2.1 5-year review of ISO/IEC 9316:1995, Small Computer System Interface - 2 (SCSI-2)

John Lohmeyer moved that T10 recommend ISO/IEC 9316:1995 be confirmed and that the five questions be answered appropriately for a vote to CONFIRM with 'we will not provide resources to revise the standard in the case of the vote outcome being to revise' and that the U.S. version of the standard is ANSI X3.131:1994.. Paul Aloisi seconded the motion. The motion passed on a roll call vote of 22:0:0:18=40. Details of the vote were as follows:

Organization	Stat	Nam	e	Yes No	Abs NP
Adaptec, Inc.	A	Mr.	Ron Roberts	1	
AMP / Tyco Electronics					1
Amphenol Interconnect					1
Ancot Corp.	P	Mr.	Bart Raudebaugh	1	
BREA Technologies, Inc.	P		Bill Galloway	1	
Brocade Communications	P	Mr.	Robert Snively	1	
CMD Technology			_		1
Compaq Computer Corp.	P	Mr.	Robert C. Elliott	1	
Crossroads Systems, Inc.					1
Dallas Semiconductor	P	Mr.	Charles Tashbook	1	
Dell Computer					1
EMC	A	Mr.	David Black	1	
ENDL	P	Mr.	Ralph O. Weber	1	
Exabyte Corp.	P	Mr.	Mike Taylor	1	
FCI	P	Mr.	Douglas Wagner		1
Fujitsu	P	Mr.	Eugene Lew	1	
General Dynamics					1
Genroco, Inc.	P	Mr.	Donald Woelz	1	
Hewlett Packard Co.					1
Hitachi Cable Manchester,In	С				1
Honda Connectors					1
IBM Corp.	P	Mr.	George O. Penokie	1	

```
Iomega Corp.
                                                                                                           1
KnowledgeTek, Inc.
LSI Logic Corp.
                                                                                                          1
                                         P Mr. John Lohmeyer
                                                                                           1
Madison Cable Corp.
                                                                                                          1
Maxtor Corp.
                                                                                                          1
Molex Inc.
Molex inc.

Ophidian Designs P Mr. Edward A. Gardner 1
Panasonic Technologies, Inc P Mr. Han Zou
Philips Electronics P Mr. Han Zou

Philips Electronics P Mr. William P. McFerrin

QLogic Corp. P Mr. Skip Jones

Quantum Corp. P Mr. Mark Evans

Seagate Technology P Mr. Gene Milligan

Storage Technology Corp. P Mr. Erich Oetting

Sun Microsystems, Inc. P Mr Kenneth Mee
                                                                                           1
                                                                                           1
                                                                                           1
                                                                                           1
Sun Microsystems, Inc. P Mr. Kenneth Moe Texas Instruments P Mr. Paul D. Aloisi
                                                                                           1
                                         P Mr. Paul D. Aloisi
                                                                                           1
The JPM Co.
                                                                                                           1
Toshiba America Elec. Comp.
                                                                                                          1
                                                                                                          1
Woven Electronics
                                                                                          22 \quad 0 \quad 0 \quad 18 = 40
```

11.2.2 Non-Automatic adoption of ISO/IEC Standards as American National Standards

John Lohmeyer reported that NCITS has a policy of automatically adopting approved ISO/IEC standards as ANSI standards within the scope of NCITS. He noted that T10 has the option of asking NCITS not to do this for our standards. John Lohmeyer moved that T10 request that NCITS not automatically adopt international standards in our subject area as American National Standards. Larry Lamers seconded the motion.

George Penokie asked why T10 should short-circuit the automatic process. The committee discussed whether ISO/IEC standards would be automatically adopted as American National Standards.. John noted that the NCITS Secretariat recommendation to T10 is to disable automatic adoption. The motion passed on a vote of 7:4:5:24=40.

John Lohmeyer took an action item to notify NCITS that T10 has requested that NCITS not automatically adopt international standards in our subject area as American National Standards.

11.2.3 US vote on FCD 14776-113 (SPI-3)

Gene Milligan recommended a US vote of 'approve as presented' for the ISO/IEC ballot on FCD 14776-113 (SPI-3). Erich Oetting seconded the motion. The motion passed on a roll call vote of 23:0:0:17=40. Details of the vote were as follows:

Organization	Stat	Nam	e	Yes	No	Abs	NP
Adaptec, Inc.	A	Mr.	Ron Roberts	1			
AMP / Tyco Electronics							1
Amphenol Interconnect							1
Ancot Corp.	P	Mr.	Bart Raudebaugh	1			
BREA Technologies, Inc.	P	Mr.	Bill Galloway	1			
Brocade Communications	P	Mr.	Robert Snively	1			
CMD Technology							1
Compaq Computer Corp.	P	Mr.	Robert C. Elliott	1			
Crossroads Systems, Inc.							1
Dallas Semiconductor	P	Mr.	Charles Tashbook	1			
Dell Computer							1
EMC	A	Mr.	David Black	1			
ENDL	P	Mr.	Ralph O. Weber	1			
Exabyte Corp.	P	Mr.	Mike Taylor	1			
FCI	P	Mr.	Douglas Wagner				1

General Dynamics 1 Genroco, Inc. P Mr. Donald Woelz 1	
Genroco, Inc. P Mr. Donald Woelz 1	
Hewlett Packard Co. 1	
Hitachi Cable Manchester, Inc 1	
Honda Connectors 1	
IBM Corp. P Mr. George O. Penokie 1	
Iomega Corp. 1	
KnowledgeTek, Inc. 1	
LSI Logic Corp. P Mr. John Lohmeyer 1	
Madison Cable Corp. 1	
Maxtor Corp. 1	
Molex Inc. 1	
Ophidian Designs P Mr. Edward A. Gardner 1	
Panasonic Technologies, Inc P Mr. Han Zou 1	
Philips Electronics P Mr. William P. McFerrin 1	
QLogic Corp. P Mr. Skip Jones 1	
Quantum Corp. P Mr. Mark Evans 1	
Seagate Technology P Mr. Gene Milligan 1	
Storage Technology Corp. P Mr. Erich Oetting 1	
Sun Microsystems, Inc. P Mr. Kenneth Moe 1	
Texas Instruments P Mr. Paul D. Aloisi 1	
The JPM Co. 1	
Toshiba America Elec. Comp. 1	
Woven Electronics P Mr. Doug Piper 1	
23 0 0 17 =	40

12. Liaison Reports

12.1 T11 Liaison Report [Wanamaker]

Bill Ham reported that FC-PI is out for letter ballot. Bob Snively reported that FC-SB-2 is out for letter ballot.

12.2 T13 Liaison Report [Milligan]

Gene Milligan presented the T13 liaison report (minutes in T13/E00147). Gene noted there was information in the minutes regarding patent issues.

12.3 SFF Industry Group [Allan]

Dal Allan provided the following electronic report:

The first draft of SFF-8452 SCA-3 for Low Disturbance Insertion was presented by Bill Ham.

The first draft of SFF-8461 HSSDC-2 is anticipated to be submitted in November.

SFF-8551 CD ROM Form Factor passed the ballot for publication.

SFF-8009 68-pin SCSI Unitized Connector for Cabled Drives will be re-opened as a development project to add recent new variations.

The ballot to approve a change in the meeting cycle to hold plenaries twice a year, in May and November, passed. All other activities (balloting, mailings, minutes) will continue on a 2-monthly cycle.

The ballot on distributing INF-8350i (formerly STA Harbor) as an Information specification passed.

The Fuji5 Rev 1.0 document will be distributed as the INF-8090i Rev 5.

The review of the SFF web site asked for a few minor changes, and it is expected to go live early in October.

Mark Evans noted that SFF-8009 has been reopened to add a top view. Mark and Bill Ham were adamant that the purpose of reopening SFF-8009 is not to change the connector.

12.4 IEEE 1394 [Johansson]

Peter Johansson gave an oral report and provided the following electronic report for the minutes:

Movement is afoot to combine, editorially, IEEE Std 1394-1995 and IEEE Std 1394a-2000, into a Committee Draft (CD) to be contributed to ISO/IEC JTC1 SC25 for ultimate approval as an international standard. Minor technical corrections are a possibility during this process, but the principal motivation is the desire for a single volume that reflects the merged contents of two documents that are arguably difficult for readers to navigate.

A related draft standard, IEEE P1394.3, Peer-to-Peer Data Transport (PPDT) Protocol, is about to commence its sponsor ballot. PPDT is based upon and is an extension to Serial Bus Protocol 2 (SBP-2). The IEEE ballot body has been formed and is closed to new participants, but if you wish to comment on the draft please contact the Chair, Greg LeClair, either Greg@ERC.Epson.com or GLeClair@AgentZ.com.

The comment resolution process for IEEE P1394b, Draft Standard for a High Performance Serial Bus---Amendment 2 (Gigabit extensions), is underway after the initial sponsor ballot. The Ballot Response Committee (BRC) is meeting monthly, chaired by David Wooten (WD@Cypress.com); they hope to recirculate a revised draft for ballot before the end of the year.

After a long period in the wilderness, the IEEE P1394.1, High Performance Serial Bus Bridges, working group has announced its intention to submit an initial draft of the standard for IEEE sponsor ballot in January, 2001. As a consequence of the expected closure of this effort, an SBP-2 study group is to be convened in Huntington Beach on September 15 to explore, among other topics, the possibility of enhancing SBP-2 to make it "bridge-aware". For more information about P1394.1, contact the Chair, Peter Johansson, PJohansson@ACM.org.

Although it is not, strictly speaking, a Serial Bus standard, IEEE P1212, Control and Status Register (CSR) Architecture for Microcomputer Buses, is about to enter its sponsor ballot. IEEE 1394 configuration ROM is based entirely upon the CSR architecture. Contact the Chair, Brian Batchelder, Brian_Batchelder@HP.com, if you require additional information.

12.5 IEEE P1285 Status

No report.

12.6 SCSI Trade Association (STA) [Jones/Aloisi]

Paul Aloisi reported on the activities of STA and provided an electronic report that can be found in 00-367.

12.7 IETF SCSI over IP [Gardner/Robinson]

David Black (IP Storage co-chair for the IETF) gave an oral report on the status of the SCSI over IP project and explained the IETF procedures to the committee.

13. Review of Action Items

- 399) Gene Milligan will create the T10 style guide document with links to the corresponding ISO/IEC MSword templates (dot files).
- 400) John Lohmeyer will notify NCITS that T10 has requested that NCITS not automatically adopt international standards in our subject area as American National Standards.

14. Meeting Schedule

The next plenary meeting of T10 will be November 2, 2000 in Seaside, CA at the Embassy Suites on Monterey Bay (831-393-1115), hosted by Adaptec. The meeting will begin at 9:00 a.m. on Thursday.

The meeting list for the next plenary week is:

	November '00 Meeting Map (9/14/00 Version)	
Monday 10/30	9 10 11 12 1 2 3 4 5 6 7 8 9	
	+======+ SSC-2 WG / Joint T10/T11.3 WG (3	0)
	+======++=====++=====+++=====+++++++++	0)
	+======+ MMC WG (1	5)
	+=====+ SST Editing Session (5)
Tuesday 10/31 8	9 10 11 12 1 2 3 4 5 6 7 8 9	
	+======+ Parallel SCSI WG (5	0)
	+=====+ MMC WG (2	0)
	11 ad hocs (4	0)
Wednesday 11/1	9 10 11 12 1 2 3 4 5 6 7 8 9	
		0)
	+======+ MMC WG	0)
	+======+ STA Tech	0)
	++ ++ Adaptec Reception> Party (Al ++	1)
Thursday 11/2	9 10 11 12 1 2 3 4 5 6 7 8	
	T10 Plenary	0)
	STA Marcom (1	5)
(*) - Meeting be	egins 1 hour after T10 meeting	
Friday 11/3 8	9 10 11 12 1 2 3 4 5	

```
| SCSI Trade Association (STA)|
                                   (30)
+----+
```

Meetings marked with == are T10-authorized meetings. Meetings marked with -- are authorized by other groups and may change without notice.

Other T10-authorized meetings:

Meeting	Date	Location / Contact
T10/T11.3	10/3/00	Manchester, NH / T11
SST WG	10/4/00	Manchester, NH / T11
PIP WG	10/10-11/00	Santa Cruz / Seagate
SSM WG	10/11-12/00	Santa Cruz / Seagate
MMC WG	12/5 or 6/00	Milpitas / Roberts
SST WG	12/6/00	Austin, TX / T11
PIP WG	12/12-13/00	Manchester, NH / Hitachi
SSM WG	12/13-14/00	Manchester, NH / Hitachi

Meeting Map Abbreviation Key:

Amnd: Amendment

Cable Perf.: Cable Performance Testing

Commands, Architecture, and Protocols CAP:

Digital Versatile Device (not an NCITS activity) DVD: SCSI Enhanced Parallel Interface (Technical Report) EPT: Fast-20: Data Transfer at 20 Mega-transfers/second (a.k.a., Ultra) Fast-40: Data Transfer at 40 Mega-transfers/second (a.k.a., Ultra2)

Fast-80: Data Transfer at 80 Mega-transfers/second (a.k.a., Ultra3, Ultra160) Fast-160: Data Transfer at 160 Mega-transfers/second (a.k.a., Ultra4, Ultra320)

Fibre Channel

Fibre Channel - Arbitrated Loop (a T11 project) FC-AL:

Interface I/F: Letter Ballot LB:

MMC: Multimedia Commands (CD-ROM, DVD, etc.)

OSD:

Object-based Storage Device Parallel (e.g., SPI-n, Domain Validation) Par.:

PH: Physical (Connectors, Cables, Transceivers, etc.)

PIP: (SCSI) Passive Interconnect Performance

Plenary: Full Committee Meeting

Resolution

SCSI Block Commands - 2 SBC-2:

Small Computer System Interface

SCSI Harbor: A STA project on defining a wrapper for SCSI devices

SDV: SCSI Domain Validation (Technical Report)

SCSI Enclosure Services SES:

SFF Industry Group (not an NCITS activity) SFF:

Study Group SG:

SCSI Medium Changer - 2 Commands SMC-2:

SPC-2: SCSI Primary Commands - 2 (2nd generation) SPI-4: Fourth Generation SCSI Parallel Interface SSC-2: SCSI Stream Commands - 2 (includes Tape)

SCSI Signal Modeling

SST: SCSI on Scheduled Transfer (ST) Specific-Subject Working Groups SSWGs:

SCSI Trade Association (not an NCITS activity) STA Marcom: STA Marketing Communications (not an NCITS activity)

STA Tech: STA Technical Meeting (T10 members invited) T10: Lower Level Interfaces Technical Committee

T10 Proc.: T10 Procedures

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
EPI	Bill Ham	(508) 841-2629
		bill.ham@digital.com
FCP-2, SES	Robert Snively	(408) 487-8135
		rsnively@brocade.com
SBC, SBC-2, OSD	Gene Milligan	(405) 324-3070
		gene.milligan@seagate.com
MMC-2, MMC-3, RMC	Bill McFerrin	
		BMcFerrin@aol.com
SBP-2 or RBC	Pete McLean	
		<pre>pete_mclean@maxtor.com</pre>
SBP-2	Peter Johansson	(510) 527-3926
		PJohansson@ACM.org
SCC-2, SPI-3, SPI-4	George Penokie	
		gop@us.ibm.com
SDV	Larry Lamers	
		ljlamers@ieee.org
SMC, SMC-2	Erich Oetting	
		Erich_Oetting@Stortek.com
SPC-2, SPC-3, SAM-2	Ralph Weber	
		roweber@acm.org
SSC, SSC-2	Dave Peterson	
		dap@network.com
SSM	Larry Barnes	
		larry.barnes@lsil.com
SVP	Ed Gardner	(719) 593-8866
		eag@ophidian.com
Other Activities	John Lohmeyer	(719) 533-7560
		lohmeyer@t10.org

The long-term T10 meeting week schedule is:

Sep 11-15, 2000 Huntington Beach, CA QLogic Oct 30-Nov 3, 2000 Monterey, CA Adaptec / dates changed Jan 15-19, 2001 Orlando, FL Adaptec (DPT Div.) Mar 5-9, 2001 Dallas, TX Texas Instruments Apr 30-May 4, 2001 Manchester, NH Hitachi Cable Jul 16-20, 2001 Colorado Springs, CO LSI Logic Sep 10-14, 2001 Huntington Beach, CA QLogic Nov 5-9, 2001 Monterey, CA Adaptec Jan 14-18, 2002	Date	Location	Host/Comments
Mar 11-15, 2002 May 6-10, 2002 Jul 15-19, 2002 Sep 9-13, 2002 Nov 4-8, 2002	Oct 30-Nov 3, 2000 Jan 15-19, 2001 Mar 5-9, 2001 Apr 30-May 4, 2001 Jul 16-20, 2001 Sep 10-14, 2001 Nov 5-9, 2001 Jan 14-18, 2002 Mar 11-15, 2002 May 6-10, 2002 Jul 15-19, 2002 Sep 9-13, 2002	Monterey, CA Orlando, FL Dallas, TX Manchester, NH Colorado Springs, CO Huntington Beach, CA	Adaptec / dates changed Adaptec (DPT Div.) Texas Instruments Hitachi Cable LSI Logic QLogic

John Lohmeyer moved that T10 approve changing the dates for the May 2001 meeting to April 30 to May 4. Mark Evans seconded the motion. The motion passed on a vote of 14:1:0:25=40.

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.

Bill Ham moved that T10 authorize the T10-related meetings and events in the list above that had not previously been approved. Mark Evans seconded the motion. The motion passed on a vote of 12:0:0:28=40.

15. Adjournment

The meeting was adjourned at 2:25 p.m. on Thursday September 14, 2000.

Enclosure(1) -- Meeting Attendees

Name	S 	Organization	Electronic Mail Address
Mr. Lawrence J. Lamers	P	Adaptec, Inc.	ljlamers@ieee.org
Mr. Ron Roberts	A	Adaptec, Inc.	Ron_Roberts@adaptec.com
Mr. Bart Raudebaugh	Р	Ancot Corp.	bart@ancot.com
Mr. Bill Galloway	P	BREA Technologies, Inc.	billg@breatech.com
Mr. Uri Elzur	V	Broadcom	uri@broadcom.com
Mr. Robert Snively	P	Brocade Comm. Systems, Inc.	rsnively@brocade.com
Mr. Leroy Fong	0	Circuit Assembly Corp.	leroyf@circuitassembly.
Mr. Brent Watson	V	Circuit Assembly Corp.	brentw@circuitassembly.
Mr. Edward Haske	P	CMD Technology	haske@cmd.com
Mr. Robert C. Elliott	P	Compaq Computer Corp.	Rob_Elliott@compuserve.
Dr. William Ham	Α	Compaq Computer Corp.	bill_ham@ix.netcom.com
Mr. David Rotman	V	Compaq Computer Corp.	david.rotman@compaq.com
Mr. Peter Johansson	0	Congruent Software, Inc.	PJohansson@ACM.org
Mr. Rick DeMars	V	CTS Corp.	rdemars@ctscorp.com
Mr. Charles Tashbook	Р	Dallas Semiconductor	charles.tashbook@dalsemi.
Mr. Keith W. Parker	V	Diogenes SCSI	diogenes@europa.com
Mr. Gary S. Robinson	P	EMC	robinson_gary@emc.com
Mr. David Black	Α	EMC Corp.	black_david@emc.com
Mr. I. Dal Allan	Α	ENDL	endlcom@acm.org
Mr. Ralph O. Weber	Р	ENDL Texas	roweber@acm.org
Mr. Mike Taylor	Р	Exabyte Corp.	miketa@exabyte.com
Mr. Douglas Wagner	Ρ	FCI	dwagner@fciconnect.com
Mr. Eugene Lew	P -	Fujitsu	elew@fcpa.fujitsu.com
Mr. Donald Woelz	P	Genroco, Inc.	don@genroco.com
Mr. William R. Bernard		IBM	bernard@us.ibm.com
Dr. Jim Hafner	V	IBM Corp.	hafner@almaden.ibm.com
Mr. Dennis Moore	P	KnowledgeTek, Inc.	dmoore@ix.netcom.com
Mr. John Lohmeyer	P	LSI Logic Corp.	lohmeyer@t10.org
Mr. Chuck Grant Mr. Jay Neer	P	Madison Cable Corp. Molex Inc.	cgrant@madisoncable.com jneer@molex.com
Mr. Jay Neer Mr. Glen Griessler	P		•
Mr. Charles Monia	A P	Molex Inc.	ggriessler@molex.com cmonia@nishansystems.com
Mr. Edward A. Gardner	P	Nishan Systems Corp. Ophidian Designs	eag@ophidian.com
Mr. Han Zou	P	Panasonic Technologies,	hanzou@research.
MI: Hall 20u	F	Inc	panasonic.com
Mr. William P.	P	Philips Electronics	BMcFerrin@aol.com
McFerrin	-	THITTPS BICCOTONICS	Brief CITINGCOT. COM
Mr. Keiji Katata	V	Pioneer Electronic Corp.	keiji_Katata@post.
Mr. Takeshi Kohda		-	pioneer.co.jp
	V	Pioneer Electronics Corp.	pioneer.co.jp
Mr. Toshiro Tanikawa	V		tanikawa@post.pioneer.co. jp
Mr. Skip Jones	P	QLogic Corp.	sk_jones@qlc.com
Mr. Mark Evans	P	Quantum Corp.	mark.evans@quantum.com
Mr. Gene Milligan	P	Seagate Technology	Gene.Milligan@seagate.com
Mr. Erich Oetting	P	Storage Technology Corp.	erich_oetting@stortek.com
Mr. Kenneth Moe	P	Sun Microsystems, Inc.	kenneth.moe@sun.com
Mr. Paul D. Aloisi	P	Texas Instruments	Paul_Aloisi@ti.com
Mr. Donald R. Getty	A#	Texas Instruments	donald_getty@ti.com

Ms. Tanya Huynh O Thomas & Betts Corp.

Mr. Davin Stockwell R Thomas & Betts Corp.

Mr. George O. Penokie P Tivoli Systems

Mr. Atsushi Ishihara V Toshiba

Mr. Tasuku Kasebayashi P Toshiba America Elec.

Comp.

Mr. Ron Mathews O UNISYS Corporation
Mr. Roger Cummings O Veritas Software

Mr. Doug Piper P Woven Electronics

53 People Present

Status Key: P - Principal

> A,A# - Alternate O - Observer - Liaison L - Visitor V

tanya_Huynh@

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Enclosure(2) -- T10 Attendance Database

Generated on 2000/09/20 at 14:35:23

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Mr. Mike F. Allen (A) Phone: (717) 986-3490 AMP / Tyco Electronics Fax: (717) 986-5983

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Enclosure(3) -- T10 Document Database

Generated on 2000/09/20 at 14:35:07

T10/00-001R0 Date: 2000/01/21 Author: John Lohmeyer Mailing: 2000_1 Agenda for T10 Meeting #36 (March '00)

T10/00-001R1 Date: 2000/02/17 Author: John Lohmeyer Mailing:

Agenda for T10 Meeting #36 (March '00)

T10/00-002R0 Date: 2000/01/21 Author: John Lohmeyer Mailing: 2000_1

T10 Project Summary - January '00

T10/00-003R0 Date: 2000/01/21 Author: John Lohmeyer Mailing: 2000_1

Jeopardy Letter for March '00 meeting

T10/00-004R0 Date: 1999/12/30 Author: John Lohmeyer Mailing: 2000_1

Letter Ballot on forwarding FCP-2 to first public review $\,$

T10/00-005R0 Date: 2000/02/03 Author: John Lohmeyer Mailing: 2000_2

Results of letter ballot 00-004 on forwarding FCP-2 $\,$

T10/00-006R0 Date: 2000/02/16 Author: John Lohmeyer Mailing: 2000_2

Agenda for T10 Meeting #37 (May '00)

T10/00-006R1 Date: 2000/03/17 Author: John Lohmeyer Mailing: 2000_2

Agenda for T10 Meeting #37 (May '00)

T10/00-006R2 Date: 2000/05/01 Author: John Lohmeyer Mailing: 2000_3

Agenda for T10 Meeting #37 (May '00)

T10/00-007R0 Date: 2000/03/15 Author: John Lohmeyer Mailing: 2000_2

T10 Project Summary - March '00

T10/00-008R0 Date: 2000/03/10 Author: John Lohmeyer Mailing: 2000_2

Jeopardy Letter for May '00 meeting

T10/00-009R0 Date: 2000/02/16 Author: John Lohmeyer Mailing: 2000_2

Letter Ballot on recommending US Yes vote on OMC FDIS

T10/00-010R0 Date: 2000/02/29 Author: John Lohmeyer Mailing: 2000_2

Results of letter ballot 00-009 on recommending US Yes vote on OMC FDS $\,$

T10/00-011R0 Date: 2000/02/29 Author: John Lohmeyer Mailing: 2000_2

Letter Ballot on including comments with recommendation on OMC FDIS

T10/00-012R0 Date: 2000/03/03 Author: John Lohmeyer Mailing: 2000_2

Results of 00-011r0 letter ballot on recommendation on OMC FDIS

T10/00-013R0 Date: 2000/05/25 Author: John Lohmeyer Mailing: 2000_3

Agenda for T10 Meeting #38 (Jul '00)

T10/00-014R0 Date: 2000/05/25 Author: John Lohmeyer Mailing: 2000_3

T10 Project Summary - May '00

T10/00-015R0 Date: 2000/05/24 Author: John Lohmeyer Mailing: 2000_3

Jeopardy Letter for July '00 meeting

T10/00-016R0 Date: 2000/05/22 Author: John Lohmeyer Mailing: 2000_3

Letter Ballot on forwarding SPC-2 to first public review

T10/00-017R0 Date: 2000/06/26 Author: John Lohmeyer Mailing: 2000_4 Results of T10 LB 00-016r0 on forwarding SPC-2 to first public review

T10/00-018R0 Date: 2000/06/12 Author: John Lohmeyer Mailing: 2000_4 Letter Ballot on forwarding SES AM1 to first public review

T10/00-019R0 Date: 2000/07/12 Author: John Lohmeyer Mailing: 2000_4 Results of T10 LB 00-018r0 on forwarding SES AM1 to first public revie

T10/00-020R0 Date: 2000/07/20 Author: John Lohmeyer Mailing: 2000_4 Agenda for T10 Meeting #39 (Sep '00)

T10/00-021R0 Date: 2000/07/20 Author: John Lohmeyer Mailing: 2000_4 T10 Project Summary - Jul '00

T10/00-022R0 Date: 2000/07/20 Author: John Lohmeyer Mailing: 2000_4 Jeopardy Letter for Sept '00 meeting

T10/00-023R0 Date: 2000/07/19 Author: John Lohmeyer Mailing: 2000_4 Letter Ballot on accepting 00-292r0 for SPI-4

T10/00-024R0 Date: 2000/08/21 Author: John Lohmeyer Mailing: 2000_5 Results of letter ballot 00-023r0 on accepting 00-292r0 for SPI-4

T10/00-025R0 Date: 2000/07/19 Author: John Lohmeyer Mailing: 2000_4 Letter Ballot on recommending US position on SPI-3 NWI

T10/00-026R0 Date: 2000/07/27 Author: John Lohmeyer Mailing: 2000_5 Results of LB (00-025r0) on recommending US position on SPI-3 NWI

T10/00-027R0 Date: 2000/09/14 Author: John Lohmeyer Mailing: Missing Agenda for T10 Meeting #40 (Nov '00)

T10/00-028R0 Date: 2000/09/14 Author: John Lohmeyer Mailing: Missing T10 Project Summary - Sep '00

T10/00-029R0 Date: 2000/09/14 Author: John Lohmeyer Mailing: Missing Jeopardy Letter for Nov '00 meeting

T10/00-101R0 Date: 1999/11/19 Author: Rob Elliott Mailing: 2000_1 Minutes of Access Controls teleconference - 11/18/99

T10/00-102R0 Date: 1999/12/03 Author: John Lohmeyer Mailing: 2000_1 Minutes of SPI-3/-4 Working Group - 12/2-3/99

T10/00-103R0 Date: 1999/11/30 Author: Richard Uber Mailing: 2000_1 Ultra-320 SCSI Implementing 1.8x Transmit Pre-compensation

T10/00-103R1 Date: 1999/12/02 Author: Richard Uber Mailing: 2000_1 Ultra-320 SCSI Implementing 1.8x Transmit Pre-compensation

T10/00-103R2 Date: 2000/02/09 Author: Richard Uber Mailing: 2000_2 Issues with Implementing Transmitter Pre-Compensation

T10/00-104R0 Date: 1999/11/30 Author: Andrew Bishop Mailing: 2000_1 Ultra-320 SCSI Compensation Techniques

T10/00-105R0 Date: 1999/11/30 Author: Russ Brown Mailing: 2000_1

Ultra-320 SCSI Calibration Strategy

T10/00-105R1 Date: 1999/12/01 Author: Russ Brown Mailing: 2000_1

Ultra320 SCSI Calibration Strategy

T10/00-106R0 Date: 1999/12/02 Author: Pat McGarrah Mailing: 2000_1

Ultra 320 SCSI Summary and Recommendations

T10/00-106R1 Date: 2000/02/09 Author: Mark Evans Mailing: 2000_2

Ultra320 SCSI Summary and Recommendations

T10/00-107R0 Date: 1999/12/01 Author: John Lohmeyer Mailing: 2000_1

Response to NCITS 333 (MMC-2) 1PR comment #1 from Frank Rutherford

T10/00-108R0 Date: 1999/12/01 Author: John Lohmeyer Mailing: 2000_1

Response to NCITS 333 (MMC-2) 1PR comment #2 from Paul Suhler

T10/00-109R0 Date: 2000/01/04 Author: Larry Lamers Mailing: 2000_1

SPC-3 Echo Buffer Size

T10/00-109R1 Date: 2000/01/04 Author: Larry Lamers Mailing: 2000_2

SPC-3 Echo Buffer Size

T10/00-109R2 Date: 2000/02/15 Author: Larry Lamers Mailing: 2000_2

SPC-3 Echo Buffer Size

T10/00-109R3 Date: 2000/03/08 Author: Larry Lamers Mailing: 2000_2

SPC-3 Echo Buffer Size

T10/00-110R0 Date: 1999/11/30 Author: Bill Ham Mailing: 2000_1

Minutes of the SCSI Cable Media Performance WG (draft) - 11/30/99

T10/00-110R1 Date: 2000/02/10 Author: Bill Ham Mailing: 2000_2

Minutes of the SCSI Cable Media Performance WG (aprvd) - 11/30/99

T10/00-111R0 Date: 1999/12/01 Author: Bill Ham Mailing: 2000_1

Minutes of SCSI signal modeling WG (draft) - 12/01/99

T10/00-111R1 Date: 2000/02/10 Author: Bill Ham Mailing: 2000_2

Minutes of SCSI signal modeling WG (aprvd) - 12/01/99

T10/00-112R0 Date: 1999/12/01 Author: Jonathan Fasig Mailing: 2000_1

Electrical Model Requirements of SCSI Interconnect Components

T10/00-113R0 Date: 1999/12/01 Author: Dima Smolyansky Mailing: 2000_1

SCSI Connector and Cable Modeling from TDR Measurements

T10/00-114R0 Date: 1999/12/21 Author: George Penokie Mailing: 2000_1

Unit Attention fixes in Persistent Reservation

T10/00-115R0 Date: 1999/12/07 Author: Stewart Wyatt Mailing: 2000_1

Minutes of Joint T10/T11.3 Joint Ad Hoc -- 12/7/1999

T10/00-116R0 Date: 1999/12/13 Author: Skip Jones Mailing: 2000_1

Meeting Notice -- Working Group Meetings -- Feb 7-11, 2000

T10/00-117R0 Date: Author: Mailing: Missing

not used

T10/00-118R0 Date: 1999/12/15 Author: Gene Milligan Mailing: 2000_1 Comment Resolution T10/00-119R0 Date: 1999/12/21 Author: George Penokie Mailing: 2000_1 WDTR/SDTR/PPR Interactions T10/00-119R1 Date: 2000/01/10 Author: George Penokie Mailing: 2000_2 WDTR/SDTR/PPR Interactions T10/00-120R0 Date: 2000/01/19 Author: Weber & Lohmeyer Mailing: 2000_1 Minutes of SCSI Physical Working Group - Jan 10-11, 2000 T10/00-120R1 Date: 2000/02/22 Author: Weber & Lohmeyer Mailing: 2000_2 Minutes of SCSI Physical Working Group - Jan 10-11, 2000 T10/00-121R0 Date: 2000/01/19 Author: Weber & Lohmeyer Mailing: 2000_1 Minutes of SCSI Protocol Working Group - Jan 12, 2000 T10/00-121R1 Date: 2000/01/26 Author: Weber & Lohmeyer Mailing: 2000_1 Minutes of SCSI Protocol Working Group - Jan 12, 2000 T10/00-121R2 Date: 2000/02/22 Author: Weber & Lohmeyer Mailing: 2000_2 Minutes of SCSI Protocol Working Group - Jan 12, 2000 T10/00-122R0 Date: 2000/01/20 Author: Weber & Lohmeyer Mailing: 2000_1 Minutes of T10 Plenary Meeting #35 - Jan 13, 2000 T10/00-122R1 Date: 2000/02/23 Author: Weber & Lohmeyer Mailing: 2000_2 Minutes of T10 Plenary Meeting #35 - Jan 13, 2000 T10/00-123R0 Date: 2000/01/06 Author: Ralph Weber Mailing: 2000_1 Access Controls, an alternate approach T10/00-124R0 Date: 2000/01/04 Author: Dale LaFollette Mailing: 2000_1 Draft Agenda - Joint T10/T11.3 Activity WG - Jan 13, 2000 T10/00-125R0 Date: 2000/01/05 Author: Gerry Houlder Mailing: 2000_1 Large LBA addressing using variable length CDB structure T10/00-126R0 Date: 2000/01/10 Author: Vince Bastiani Mailing: 2000_1 U320 Timing Specification T10/00-126R1 Date: 2000/02/10 Author: Vince Bastiani Mailing: 2000_2 Fast-160 Timing Specification T10/00-127R0 Date: 1999/12/31 Author: Rob Elliott Mailing: 2000_1 Target-controlled congestion relief T10/00-127R1 Date: 2000/05/05 Author: Rob Elliott Mailing: 2000_3 Target-controlled congestion relief T10/00-128R0 Date: 2000/01/10 Author: Neil Wanamaker Mailing: 2000_1 T11 Liaison Report - January 2000 T10/00-129R0 Date: 2000/01/31 Author: Gene Milligan Mailing: 2000_2 SPC Support for Partial Loading & Unloading (Summary of 99-347r3) T10/00-130R0 Date: 2000/01/25 Author: Robert Snively/ Mailing: 2000_1

Ralph Weber

Minutes of T10/T11.3 Joint Ad Hoc -- 1/13/2000

T10/00-131R0 Date: 2000/01/20 Author: Bill McFerrin Mailing: 2000_1

Minutes of MMC Working Group - 1/11/2000

T10/00-132R0 Date: 2000/02/09 Author: Mark Evans and Mailing: 2000_2

Bruce Leshav

Proposal for training pattern protocol to be included in SPI-4

T10/00-132R1 Date: 2000/03/07 Author: Mark Evans and Mailing: 2000_2

Bruce Leshav

Proposal for training pattern protocol to be included in SPI-4

T10/00-133R0 Date: 2000/02/09 Author: Bruce Leshay Mailing: 2000_2

Ultra320 SCSI Calibration Protocol

T10/00-133R1 Date: 2000/03/07 Author: Bruce Leshay Mailing: 2000_2

Ultra320 SCSI Calibration Protocol

T10/00-133R2 Date: 2000/03/27 Author: Bruce Leshay Mailing: 2000_3

Ultra320 SCSI Calibration Protocol

T10/00-133R3 Date: 2000/04/26 Author: Bruce Leshay Mailing: 2000_3

Ultra320 SCSI Calibration and Clock Protocol

T10/00-134R0 Date: 2000/02/17 Author: John Lohmeyer Mailing: 2000_2

Minutes of SCSI Physical Working Group - Feb 9-10, 2000

T10/00-135R0 Date: 2000/02/08 Author: Paul Suhler Mailing: 2000_2

Support for Large Block Addresses in SSC

T10/00-135R1 Date: 2000/02/29 Author: Paul Suhler Mailing: 2000_2

Support for Large Block Addresses in SSC-2

T10/00-135R2 Date: 2000/03/06 Author: Paul Suhler Mailing: 2000_2

Support for Large Block Addresses in SSC-2

T10/00-136R0 Date: 2000/01/28 Author: Carl Zeitler Mailing: 2000_2

Comments on FCP-2 Rev 04

T10/00-137R0 Date: 2000/01/28 Author: Carl Zeitler Mailing: 2000_2 Ladder Diagrams for Error Recovery for FCP-2 Rev 04 Out-Of-Order Delivery -

Annex D

T10/00-137R1 Date: 2000/02/23 Author: Carl Zeitler Mailing: 2000_2

Ladder Diagrams for Error Recovery for FCP-2 Rev 04 Out-Of-Order Delivery -

T10/00-137R2 Date: 2000/03/28 Author: Carl Zeitler Mailing: 2000_3

Ladder Diagrams for Error Recovery for FCP-2 Rev 04 Out-Of-Order Delivery -

Annex D

T10/00-137R3 Date: 2000/04/24 Author: Carl Zeitler Mailing: 2000 3

Ladder Diagrams for Error Recovery for FCP-2 Rev 04 Out-Of-Order Delivery -

Annex D

T10/00-137R4 Date: 2000/05/31 Author: Carl Zeitler Mailing: 2000_4

Ladder Diagrams for Error Recovery for FCP-2 Rev 04 Out-Of-Order Delivery -Annex D

T10/00-137R5 Date: 2000/06/08 Author: Carl Zeitler Mailing: 2000_4 Ladder Diagrams for Error Recovery for FCP-2 Rev 04 Out-Of-Order Delivery - Annex D

T10/00-138R0 Date: 2000/02/01 Author: George Penokie Mailing: 2000_2 Comments on FCP-2 Letter Ballot

T10/00-139R0 Date: 2000/02/02 Author: Bob Snively Mailing: 2000_2 Comments on FCP-2 Letter Ballot

T10/00-140R0 Date: 2000/02/28 Author: Ralph Weber Mailing: 2000_2 Bug in SAM-2 Task Identifier definition

T10/00-140R1 Date: 2000/04/19 Author: Ralph Weber Mailing: 2000_3 SAM-2 Task Identifier Readability Enhancements and Addition of Nexus to SAM-2

T10/00-140R2 Date: 2000/06/22 Author: Ralph Weber Mailing: 2000_4 SAM-2 Task Identifier Readability Enhancements and Addition of Nexus to SAM-2

T10/00-140R3 Date: 2000/07/16 Author: Ralph Weber Mailing: 2000_4 SAM-2 Task Identifier Readability Enhancements and Addition of Nexus to SAM-2

T10/00-141R0 Date: 2000/02/03 Author: Gene Milligan Mailing: 2000_2 Comments on FCP-2 Letter Ballot

T10/00-142R0 Date: 2000/01/27 Author: Larry Lamers Mailing: 2000_2 Flow Control & Read Streaming

T10/00-142R1 Date: 2000/04/20 Author: Larry Lamers Mailing: 2000_3 Flow Control & Read Streaming

T10/00-142R3 Date: 2000/05/14 Author: Larry Lamers Mailing: 2000_3 Flow Control & Read Streaming

T10/00-142R4 Date: 2000/06/13 Author: Larry Lamers Mailing: 2000_4 Flow Control & Read Streaming

T10/00-143R0 Date: 2000/02/04 Author: Deborah Donovan Mailing: 2000_2 Transmittal of NCITS No vote & comments on MMC-2 (BSR NCITS.333-20xx)

T10/00-143R1 Date: 2000/02/16 Author: Deborah Donovan Mailing: 2000_2 Transmittal of NCITS No vote & comments on MMC-2 (BSR NCITS.333-20xx)

T10/00-144R0 Date: 2000/02/07 Author: Larry Lamers Mailing: 2000_2 Meeting Announcement - SPI-4 WG Milpitas, CA - March 27-28, 2000

T10/00-145R0 Date: 2000/02/07 Author: Bill Ham Mailing: 2000_2 Minutes of SCSI Passive Interconnect Performance WG (draft) - 2/7/00

T10/00-145R1 Date: 2000/02/29 Author: Bill Ham Mailing: 2000_2 Minutes of SCSI Passive Interconnect Performance WG (aprvd) - 2/7/00

T10/00-146R0 Date: 2000/02/08 Author: Bill Ham Mailing: 2000_2 Minutes of SCSI Signal Modeling WG (draft) - 2/8/00

T10/00-146R1 Date: 2000/03/01 Author: Bill Ham Mailing: 2000_2 Minutes of SCSI Signal Modeling WG (aprvd) - 2/8/00

T10/00-147R0 Date: 2000/02/09 Author: Russ Brown Mailing: 2000 2 Ultra320 SCSI vs. Ultra160 SCSI Eye Diagram Data T10/00-147R1 Date: 2000/02/09 Author: Russ Brown Mailing: 2000_2 Ultra320 SCSI vs. Ultra160 SCSI Eye Diagram Data T10/00-148R0 Date: 2000/02/09 Author: Bill Ham Mailing: 2000_2 SCSI History and Signal Integrity Strategies T10/00-149R0 Date: 2000/02/10 Author: Bill Ham Mailing: 2000_2 Requirements for Measuring Receive Signals in SPI-4 and beyond T10/00-150R0 Date: 2000/02/11 Author: Bob Snively Mailing: 2000_2 Resolution of FCP-2 letter ballot comments T10/00-150R1 Date: 2000/03/04 Author: Bob Snively Mailing: 2000_2 Resolution of FCP-2 letter ballot comments T10/00-150R2 Date: 2000/03/24 Author: Bob Snively Mailing: 2000_3 Resolution of FCP-2 letter ballot comments T10/00-150R3 Date: 2000/05/10 Author: Bob Snively Mailing: 2000_3 Resolution of FCP-2 letter ballot comments T10/00-150R4 Date: 2000/05/15 Author: Bob Snively Mailing: 2000_4 Resolution of FCP-2 letter ballot comments T10/00-150R5 Date: 2000/06/14 Author: Bob Snively Mailing: 2000_4 Resolution of FCP-2 letter ballot comments T10/00-150R6 Date: 2000/06/26 Author: Bob Snively Mailing: 2000_4 Resolution of FCP-2 letter ballot comments T10/00-151R0 Date: 2000/02/16 Author: ISO/IEC Mailing: 2000_2 FDIS on Optical Memory Card Device Commands (OMC) T10/00-152R0 Date: 2000/02/23 Author: Ralph Weber Mailing: 2000_2 Review of 16-byte operation codes T10/00-153R0 Date: 2000/03/07 Author: Russ Brown Mailing: 2000_2 Ultra320 SCSI with Receiver Equalization 25 m. into Backplane with 6 loads T10/00-154R0 Date: 2000/03/07 Author: Russ Brown Mailing: 2000_2 Ultra640 SCSI with Receiver Equalization 25 m. into Backplane with 6 loads T10/00-155R0 Date: 2000/03/13 Author: Weber / Lohmeyer Mailing: 2000_2 Minutes of Parallel SCSI WG - March 7, 2000 T10/00-155R1 Date: 2000/03/17 Author: Weber / Lohmeyer Mailing: 2000_2 Minutes of Parallel SCSI WG - March 7, 2000 T10/00-156R0 Date: 2000/03/13 Author: Weber / Lohmeyer Mailing: 2000_2 Minutes of SCSI Commands, Arch., & Protocol WG - Mar 6&8, 2000 T10/00-157R0 Date: 2000/03/14 Author: Weber / Lohmeyer Mailing: 2000_2 Minutes of T10 Plenary Meeting #36 -- March 9, 2000 T10/00-157R1 Date: 2000/03/17 Author: Weber / Lohmeyer Mailing: 2000_2

Minutes of T10 Plenary Meeting #36 -- March 9, 2000

T10/00-157R2 Date: 2000/04/26 Author: Weber / Lohmeyer Mailing: 2000_3 Minutes of T10 Plenary Meeting #36 -- March 9, 2000

T10/00-158R0 Date: Author: Mailing: Missing

not used

T10/00-159R0 Date: 2000/02/29 Author: Paul Suhler Mailing: 2000_2

Analysis of SSC Public Review Comment (SET CAPACITY)

T10/00-160R0 Date: Author: Mailing: Missing

not used

T10/00-161R0 Date: 2000/02/29 Author: Paul Suhler Mailing: 2000_2

SET CAPACITY Command

T10/00-161R1 Date: 2000/03/22 Author: Paul Suhler Mailing: 2000_3

SET CAPACITY Command

T10/00-161R2 Date: 2000/04/05 Author: Paul Suhler Mailing: 2000_3

SET CAPACITY Command

T10/00-162R0 Date: 1999/12/07 Author: Roger Ronald Mailing: 2000_2

Minutes of T11.1 HIPPI Ad Hoc WG (includes SST in item 9.0)

T10/00-163R0 Date: 2000/02/29 Author: Bill Ham Mailing: 2000_2

Minutes of SCSI Passive Interconnect Performance WG (draft) - 2/29/00

T10/00-163R1 Date: 2000/04/11 Author: Bill Ham Mailing: 2000_3 Minutes of SCSI Passive Interconnect Performance WG (aprvd) - 2/29/00

T10/00-164R0 Date: 2000/03/01 Author: Bill Ham Mailing: 2000_2

Minutes of SCSI Signal Modeling WG (draft) - 3/01/00

T10/00-164R1 Date: 2000/04/12 Author: Bill Ham Mailing: 2000_3

Minutes of SCSI Signal Modeling WG (aprvd) - 3/01/00

T10/00-165R0 Date: 2000/03/02 Author: Ralph Weber Mailing: 2000_2

Adding Reserved Bytes to EXTENDED COPY Parameter Data

T10/00-166R0 Date: 2000/03/02 Author: John Lohmeyer Mailing: 2000_2

Meeting Notice - Parallel SCSI WG - April 26-27, 2000

T10/00-167R0 Date: 2000/03/07 Author: Frank Gasparik Mailing: 2000_2

Pre-Emphasis Experimental Data

T10/00-168R0 Date: 2000/03/07 Author: Russ Brown Mailing: 2000_2

Receive Equalizer used for Quantum Ultra320 Eye Diagram Data

T10/00-169R0 Date: 2000/03/07 Author: Russ Brown Mailing: 2000_2
Effect of Varying Transmitter Amplitude on Ultra320 SCSI Receiver Equalization

T10/00-170R0 Date: 2000/02/09 Author: Mark Evans Mailing: 2000_2 LVD maximum bus path length between terminators for Fast-160 to be included

in SPI-4

T10/00-170R1 Date: 2000/03/07 Author: Mark Evans Mailing: 2000_2 LVD maximum bus path length between terminators for Fast-160 to be included

in SPI-4

T10/00-171R0 Date: 2000/03/05 Author: Ralph Weber EXTENDED COPY Works in Progress	Mailing:	2000_2
T10/00-172R0 Date: 2000/03/08 Author: Ed Gardner SVP Issues	Mailing:	2000_2
T10/00-173R0 Date: 2000/03/09 Author: Dave Peterson Project proposal for SCSI Stream Commands - 2 (SSC-2)	Mailing:	2000_2
T10/00-173R1 Date: 2000/05/15 Author: Dave Peterson Project proposal for SCSI Stream Commands - 2 (SSC-2)	Mailing:	2000_3
T10/00-174R0 Date: 2000/03/28 Author: Vince Bastiani Proposed training pattern for skew compensation	Mailing:	2000_3
T10/00-175R0 Date: 2000/03/07 Author: Dan Smith Driver Precompensation with Receiver Filtering for Ultra4	Mailing:	2000_2
T10/00-176R0 Date: 2000/03/08 Author: Neil Wanamaker T11 Liaison Report for March 2000	Mailing:	2000_2
T10/00-177R0 Date: 2000/03/08 Author: Bill McFerrin Minutes on MMC Working Group Meeting - March 7, 2000	Mailing:	2000_2
T10/00-178R0 Date: 2000/03/08 Author: Bill Ham Summary of Physical Test Activities	Mailing:	2000_2
T10/00-179R0 Date: 2000/02/28 Author: Jennifer T. Garner	Mailing:	2000_2
Garrier		
Call for Volunteers - Chairman - NCITS /T10, I/O Interface	- Lower	Level
	- Lower :	
Call for Volunteers - Chairman - NCITS /T10, I/O Interface T10/00-180R0 Date: 2000/03/09 Author: Gene Milligan		2000_2
Call for Volunteers - Chairman - NCITS /T10, I/O Interface T10/00-180R0 Date: 2000/03/09 Author: Gene Milligan ISO/IEC Report - March 2000 T10/00-181R0 Date: 2000/02/16 Author: Stewart Wyatt	Mailing:	2000_2
Call for Volunteers - Chairman - NCITS /T10, I/O Interface T10/00-180R0 Date: 2000/03/09 Author: Gene Milligan ISO/IEC Report - March 2000 T10/00-181R0 Date: 2000/02/16 Author: Stewart Wyatt Minutes of Joint T10/T11.3 Joint Ad Hoc 2/16/2000 T10/00-182R0 Date: 2000/03/06 Author: Stewart Wyatt	Mailing:	2000_2 2000_2 2000_2
Call for Volunteers - Chairman - NCITS /T10, I/O Interface T10/00-180R0 Date: 2000/03/09 Author: Gene Milligan ISO/IEC Report - March 2000 T10/00-181R0 Date: 2000/02/16 Author: Stewart Wyatt Minutes of Joint T10/T11.3 Joint Ad Hoc 2/16/2000 T10/00-182R0 Date: 2000/03/06 Author: Stewart Wyatt Minutes of Joint T10/T11.3 Joint Ad Hoc 3/6/2000 T10/00-182R1 Date: 2000/04/05 Author: Stewart Wyatt	Mailing: Mailing: Mailing:	2000_2 2000_2 2000_2 2000_3
Call for Volunteers - Chairman - NCITS /T10, I/O Interface T10/00-180R0 Date: 2000/03/09 Author: Gene Milligan ISO/IEC Report - March 2000 T10/00-181R0 Date: 2000/02/16 Author: Stewart Wyatt Minutes of Joint T10/T11.3 Joint Ad Hoc 2/16/2000 T10/00-182R0 Date: 2000/03/06 Author: Stewart Wyatt Minutes of Joint T10/T11.3 Joint Ad Hoc 3/6/2000 T10/00-182R1 Date: 2000/04/05 Author: Stewart Wyatt Minutes of Joint T10/T11.3 Joint Ad Hoc 3/6/2000 T10/00-183R0 Date: 2000/03/09 Author: Paul Aloisi	Mailing: Mailing: Mailing:	2000_2 2000_2 2000_2 2000_3 2000_2
Call for Volunteers - Chairman - NCITS /T10, I/O Interface T10/00-180R0 Date: 2000/03/09 Author: Gene Milligan ISO/IEC Report - March 2000 T10/00-181R0 Date: 2000/02/16 Author: Stewart Wyatt Minutes of Joint T10/T11.3 Joint Ad Hoc 2/16/2000 T10/00-182R0 Date: 2000/03/06 Author: Stewart Wyatt Minutes of Joint T10/T11.3 Joint Ad Hoc 3/6/2000 T10/00-182R1 Date: 2000/04/05 Author: Stewart Wyatt Minutes of Joint T10/T11.3 Joint Ad Hoc 3/6/2000 T10/00-183R0 Date: 2000/03/09 Author: Paul Aloisi STA Liaison Report for March 2000 T10/00-184R0 Date: 2000/03/29 Author: John Lohmeyer	Mailing: Mailing: Mailing: Mailing:	2000_2 2000_2 2000_3 2000_2 2000_3
Call for Volunteers - Chairman - NCITS /T10, I/O Interface T10/00-180R0 Date: 2000/03/09 Author: Gene Milligan ISO/IEC Report - March 2000 T10/00-181R0 Date: 2000/02/16 Author: Stewart Wyatt Minutes of Joint T10/T11.3 Joint Ad Hoc 2/16/2000 T10/00-182R0 Date: 2000/03/06 Author: Stewart Wyatt Minutes of Joint T10/T11.3 Joint Ad Hoc 3/6/2000 T10/00-182R1 Date: 2000/04/05 Author: Stewart Wyatt Minutes of Joint T10/T11.3 Joint Ad Hoc 3/6/2000 T10/00-183R0 Date: 2000/03/09 Author: Paul Aloisi STA Liaison Report for March 2000 T10/00-184R0 Date: 2000/03/29 Author: John Lohmeyer Minutes of Parallel SCSI WG - March 27-28, 2000 T10/00-184R1 Date: 2000/03/31 Author: John Lohmeyer	Mailing: Mailing: Mailing: Mailing: Mailing:	2000_2 2000_2 2000_3 2000_2 2000_3 2000_3

T10/00-187R0 Date: 2000/03/09 Author: Gene Milligan Mailing: 2000_2

SBC-2 schedule

T10/00-188R0 Date: 2000/03/16 Author: John Lohmeyer Mailing: 2000_2

Unresolved negative from IBM on SSC Letter Ballot

T10/00-189R0 Date: 2000/03/16 Author: John Lohmeyer Mailing: 2000_2

Unresolved negative from Sun Microsystems on SSC Letter Ballot

T10/00-190R0 Date: 2000/03/16 Author: John Lohmeyer Mailing: 2000_2

T10 response to Public Review Comment #1 on NCITS.335 (SSC)

T10/00-191R0 Date: 2000/03/16 Author: John Lohmeyer Mailing: 2000_2

T10 response re NCITS LB negatives on NCITS.333 (MMC-2)

T10/00-192R0 Date: 2000/03/16 Author: Paul Suhler Mailing: 2000_2

Public Review Comment #1 on NCITS.335:20xx (SSC)

T10/00-193R0 Date: 2000/03/27 Author: George Penokie Mailing: 2000_3

Training Timing Modeling Results

T10/00-194R0 Date: 2000/03/27 Author: Bruce Manildi Mailing: 2000_2

Ultra 320 with Precompensation

T10/00-194R1 Date: 2000/03/27 Author: Bruce Manildi Mailing: 2000_3

320 MB Eye Pattern Data with 15-25-33% Precomp and Crosstalk

T10/00-195R0 Date: 2000/03/28 Author: Russ Brown Mailing: 2000_3

Ultra320 into fully populated 10-slot backplane

T10/00-196R0 Date: 2000/03/28 Author: Russ Brown Mailing: 2000_3

Comments on adaptive filtering for Ultra320 SCSI

T10/00-197R0 Date: Author: Mailing: Missing

not used

T10/00-198R0 Date: 2000/03/28 Author: Paul Aloisi Mailing: 2000_3

Fast-160 Driver and Receiver masks

T10/00-199R0 Date: 2000/03/27 Author: Bill Ham & Mailing: 2000_3

Robert Elliott

Proposal for expander requirements, domain validation basic integrity check,

and related target requirements

T10/00-199R1 Date: 2000/05/02 Author: Bill Ham & Mailing: 2000_3

Robert Elliott

Proposal for expander requirements, domain validation basic integrity check,

and related target requirements

T10/00-199R2 Date: 2000/05/15 Author: Bill Ham & Mailing: 2000_3

Robert Elliott

Proposal for expander requirements, domain validation basic integrity check,

and related target requirements

T10/00-200R0 Date: 2000/03/28 Author: Wally Bridgewater Mailing: 2000_3

Eye Window Amplitude

T10/00-200R1 Date: 2000/03/28 Author: Wally Bridgewater Mailing: 2000_4

Eye Window Amplitude

T10/00-201R0 Date: 2000/03/28 Author: Wally Bridgewater Mailing: 2000_3 The zero offset problem for receiver equalization

T10/00-201R1 Date: 2000/03/28 Author: Wally Bridgewater Mailing: 2000_4 The zero offset problem for receiver equalization

T10/00-202R0 Date: 2000/04/02 Author: Ralph Weber Mailing: 2000_3 Assignments for Variable Length CDB Service Action Codes

T10/00-203R0 Date: 2000/04/02 Author: Ralph Weber Mailing: 2000_3 Describing AEN in the Processor Device Model

T10/00-204R0 Date: 2000/04/27 Author: Weber & Lohmeyer Mailing: 2000_3 Minutes of Parallel SCSI WG - April 26-27, 2000

T10/00-205R0 Date: 2000/05/23 Author: Weber & Lohmeyer Mailing: 2000_3 Minutes of Parallel SCSI WG - May 16, 2000

T10/00-205R1 Date: 2000/06/02 Author: Weber & Lohmeyer Mailing: 2000_4 Minutes of Parallel SCSI WG - May 16, 2000

T10/00-206R0 Date: 2000/05/23 Author: Weber & Lohmeyer Mailing: 2000_3 Minutes of SCSI Commands, Arch., & Protocol WG - May 15&17, 2000

T10/00-207R0 Date: 2000/05/24 Author: Weber & Lohmeyer Mailing: 2000_3 Minutes of T10 Plenary Meeting #37 -- May 18, 2000

T10/00-207R1 Date: 2000/06/02 Author: Weber & Lohmeyer Mailing: 2000_4 Minutes of T10 Plenary Meeting #37 -- May 18, 2000

T10/00-208R0 Date: 2000/04/28 Author: John Lohmeyer Mailing: 2000_3 ltr to Jennifer T. Garner re call for volunteers to chair T10

T10/00-209R0 Date: 2000/04/28 Author: David Steele Mailing: 2000_3 Statement of management support for John Lohmeyer as chair of T10

T10/00-210R0 Date: 2000/04/09 Author: Martin Ogbuokiri Mailing: 2000_3 Meeting Announcement - SPIP, SSM, and SPI-4 WGs - June 12-16, 2000

T10/00-211R0 Date: 2000/04/13 Author: Ralph Weber & Mailing: 2000_3 David Chambliss

Corrections to EXTENDED COPY

T10/00-211R1 Date: 2000/04/22 Author: Ralph Weber & Mailing: 2000_3
David Chambliss

Corrections to EXTENDED COPY

T10/00-211R2 Date: 2000/04/28 Author: Ralph Weber & Mailing: 2000_3
David Chambliss

Corrections to EXTENDED COPY

T10/00-212R0 Date: 2000/04/18 Author: Ralph Weber Mailing: 2000_3 Beyond Beyond 2TB

T10/00-212R1 Date: 2000/05/18 Author: Ralph Weber Mailing: 2000_3

Beyond Beyond 2TB

T10/00-213R0 Date: 2000/04/18 Author: Ralph Weber Mailing: 2000_3

SAM-2 Byte Count That's Really Buffer Size

T10/00-213R1 Date: 2000/06/22 Author: Ralph Weber Mailing: 2000_4

SAM-2 Byte Count That's Really Buffer Size

T10/00-213R2 Date: 2000/07/12 Author: Ralph Weber Mailing: 2000_4

SAM-2 Byte Count That's Really Buffer Size

T10/00-214R0 Date: 2000/04/24 Author: Mark Evans Mailing: 2000_3

Details of test set-up used by Quantum for Ultra320 data

T10/00-215R0 Date: 2000/04/24 Author: Mark Evans Mailing: 2000_3

Quantum Ultra320 SCSI Test Configurations

T10/00-216R0 Date: 2000/04/05 Author: Stewart Wyatt Mailing: 2000_3

Minutes of Joint T10/T11.3 Joint Ad Hoc -- 4/5/2000

T10/00-217R0 Date: 2000/04/11 Author: Bill Ham Mailing: 2000_3

Minutes of the SPIP WG meeting (draft) - April 11, 2000

T10/00-217R1 Date: 2000/06/12 Author: Bill Ham Mailing: 2000_4

Minutes of the SPIP WG meeting (aprvd) - April 11, 2000

T10/00-218R0 Date: 2000/04/12 Author: Bill Ham Mailing: 2000_3

Minutes of the SSM WG meeting (draft) - April 12, 2000

T10/00-218R1 Date: 2000/06/13 Author: Bill Ham Mailing: 2000_4

Minutes of the SSM WG meeting (aprvd) - April 12, 2000

T10/00-219R0 Date: 2000/04/17 Author: Ron Silletti Mailing: 2000_3

Public Review Comment #1 for NCITS 336 - SCSI Parallel Interface-3

T10/00-220R0 Date: 2000/04/19 Author: Ralph Weber Mailing: 2000_3

Review of ISO comments on SPC

T10/00-220R1 Date: 2000/05/19 Author: Ralph Weber Mailing: 2000_3

Review of ISO comments on SPC

T10/00-221R0 Date: 2000/05/11 Author: Ralph Weber Mailing: 2000_3

Meeting schedule policy document

T10/00-221R1 Date: 2000/06/29 Author: Ralph Weber & Mailing: 2000_4

John Lohmeyer

Policy for T10 Plenary Meetings and Accompanying Meeting Weeks

T10/00-221R2 Date: 2000/07/13 Author: Ralph Weber & Mailing: 2000_4

John Lohmeyer

Policy for T10 Plenary Meetings and Accompanying Meeting Weeks

T10/00-222R0 Date: 2000/04/19 Author: Ralph Weber Mailing: 2000_3

SPC-3 Schedule

T10/00-223R0 Date: 2000/04/26 Author: Richard Uber Mailing: 2000_3 Specifying the signal at the receiver when using receiver equalization

T10/00-224R0 Date: 2000/04/26 Author: Richard Uber Mailing: 2000_3

Validation of Quantum lab setup used for testing Ultra320

T10/00-225R0 Date: 2000/04/26 Author: Richard Uber Mailing: 2000_3

Transmitter precompensation used with receiver equalization

T10/00-225R1 Date: 2000/05/16 Author: Richard Uber Mailing: 2000_3 Transmitter precompensation used with receiver equalization

T10/00-226R0 Date: Author: Mailing: Missing

not used

T10/00-227R0 Date: 2000/04/27 Author: Paul Aloisi Mailing: 2000_3

Calculated signal losses

T10/00-227R1 Date: 2000/05/16 Author: Paul Aloisi Mailing: 2000_3

Calculated signal losses

T10/00-227R2 Date: 2000/05/16 Author: Paul Aloisi Mailing: 2000_3

Calculated signal losses

T10/00-227R3 Date: 2000/05/18 Author: Paul Aloisi Mailing: 2000_3

Calculated signal losses

T10/00-227R4 Date: 2000/06/11 Author: Paul Aloisi Mailing: 2000_4

Calculated signal losses

T10/00-227R5 Date: 2000/07/11 Author: Paul Aloisi Mailing: 2000_4

Calculated signal losses

T10/00-227R6 Date: 2000/07/12 Author: Paul Aloisi Mailing: 2000_4

Calculated signal losses (Excel spreadsheet)

T10/00-227R6 Date: 2000/07/12 Author: Paul Aloisi Mailing: 2000_4

Calculated signal losses

T10/00-227R7 Date: 2000/08/23 Author: Paul Aloisi Mailing: 2000_5

Calculated signal losses

T10/00-227R7 Date: 2000/08/23 Author: Paul Aloisi Mailing: 2000_5

Calculated signal losses (Excel spreadsheet)

T10/00-227R8 Date: 2000/08/25 Author: Paul Aloisi Mailing: 2000_5

Calculated signal losses

T10/00-227R8 Date: 2000/08/25 Author: Paul Aloisi Mailing: 2000_5

Calculated signal losses (Excel spreadsheet)

T10/00-227R9 Date: 2000/09/12 Author: Paul Aloisi Mailing: 2000_5

Calculated signal losses

T10/00-227R9 Date: 2000/09/12 Author: Paul Aloisi Mailing: 2000_5

Calculated signal losses (Excel spreadsheet)

T10/00-228R0 Date: 2000/04/28 Author: Rob Elliott Mailing: 2000_3

Obsoleting QAS in SPI-4

T10/00-229R0 Date: 2000/05/03 Author: Charles Binford Mailing: 2000_3

Task Aborted - SAM changes

T10/00-229R1 Date: 2000/06/28 Author: Charles Binford Mailing: 2000_4

Task Aborted - SAM changes

T10/00-229R2 Date: 2000/09/13 Author: Charles Binford Mailing: 2000_5 Task Aborted - SAM changes T10/00-229R3 Date: 2000/09/13 Author: Charles Binford Mailing: 2000_5 Task Aborted - SAM changes T10/00-230R0 Date: 2000/05/04 Author: Bob Snively Mailing: 2000_3 FCP-2 items that need to be included in FC-FS T10/00-230R1 Date: 2000/05/10 Author: Bob Snively Mailing: 2000_3 FCP-2 items that need to be included in FC-FS T10/00-230R2 Date: 2000/05/26 Author: Bob Snively Mailing: 2000_4 FCP-2 items that need to be included in FC-FS T10/00-230R3 Date: 2000/06/30 Author: Bob Snively Mailing: 2000_4 FCP-2 items that need to be included in FC-FS T10/00-230R4 Date: 2000/08/31 Author: Bob Snively Mailing: 2000_5 FCP-2 items that need to be included in FC-FS T10/00-230R4 Date: 2000/07/16 Author: Bob Snively Mailing: 2000_4 FCP-2 items that need to be included in FC-FS T10/00-231R0 Date: 2000/05/08 Author: Rob Elliott Mailing: 2000_3 SPI-4 training pattern DC signal strengths T10/00-232R0 Date: 2000/05/15 Author: Bob Snively Mailing: 2000_3 Asymmetrical SCSI behavior T10/00-232R1 Date: 2000/06/27 Author: Bob Snively Mailing: 2000_4 Asymmetrical SCSI behavior T10/00-233R0 Date: 2000/05/12 Author: Rob Elliott Mailing: 2000_3 Minor SES issues T10/00-233R1 Date: 2000/05/17 Author: Rob Elliott Mailing: 2000_3 SES issues: PRODUCT REVISION LEVEL and DESCRIPTOR LENGTH T10/00-234R0 Date: 2000/05/13 Author: Charles Monia Mailing: 2000_3 IETF Liaison Report to T10 T10/00-235R0 Date: 2000/05/16 Author: Richard Uber Mailing: 2000_3 Attenuation Data for Ultra320 SCSI T10/00-236R0 Date: 2000/05/16 Author: Chas Gimarc Mailing: 2000_3 Performance impacts of training and eliminating QAS T10/00-237R0 Date: 2000/05/16 Author: George Penokie Mailing: 2000_3 Training/QAS Performance Graphs T10/00-238R0 Date: 2000/05/16 Author: Bill Ham Mailing: 2000_3 Project Proposal for SCSI Passive Interconnect Performance Technical Report T10/00-239R0 Date: 2000/05/17 Author: Paul Aloisi Mailing: 2000_3 SPI-4 Driver - Receiver Assumptions T10/00-239R1 Date: 2000/07/11 Author: Paul Aloisi Mailing: 2000_4 SPI-4 - Assumptions for the Receiver and Driver levels

T10/00-239R2 Date: SPI-4 - Assumptions					Mailing:	2000_4
T10/00-239R3 Date: SPI-4 - Assumptions					Mailing:	2000_5
T10/00-239R4 Date: SPI-4 - Assumptions				Aloisi er levels	Mailing:	2000_5
T10/00-239R5 Date: SPI-4 - Assumptions					Mailing:	2000_5
T10/00-240R0 Date: SVP SAM-2 Mapping	2000/05/17	Author:	Ed Ga	ardner	Mailing:	2000_3
T10/00-241R0 Date: Discussion of 00-211					Mailing:	2000_3
T10/00-242R0 Date: T11 Liaison Report f		Author:	Neil	Wanamaker	Mailing:	2000_3
T10/00-243R0 Date: Minutes of MMC3/RMC	,				Mailing:	2000_3
T10/00-244R0 Date: STA liaison report f	,, -	Author:	Paul	Aloisi	Mailing:	2000_3
T10/00-245R0 Date: Minutes of Joint T10				_	Mailing:	2000_3
T10/00-246R0 Date: Proposed Changes for		Author:	Paul	Aloisi	Mailing:	2000_4
T10/00-246R1 Date: Proposed Changes for		Author:	Paul	Aloisi	Mailing:	2000_4
T10/00-246R2 Date: Proposed Changes for		Author:	Paul	Aloisi	Mailing:	2000_4
T10/00-246R3 Date: Proposed Changes for	2000/08/23 SPI-4	Author:	Paul	Aloisi	Mailing:	2000_5
T10/00-246R4 Date: Proposed Changes for	2000/08/25 SPI-4	Author:	Paul	Aloisi	Mailing:	2000_5
T10/00-246R5 Date: Proposed Changes for	2000/08/25 SPI-4	Author:	Paul	Aloisi	Mailing:	2000_5
T10/00-246R6 Date: Proposed Changes for		Author:	Paul	Aloisi	Mailing:	2000_5
T10/00-246R7 Date: Proposed Changes for	2000/09/13 SPI-4	Author:	Paul	Aloisi	Mailing:	2000_5
T10/00-247R0 Date: T10 response to Publ		Author:		Lohmeyer CITS.336 (SPI-	Mailing: -3)	2000_4
T10/00-248R0 Date:	2000/06/12	Author:	Rob E	Clliott	Mailing:	2000_4

SBC-2 issues

T10/00-248R1 Date: 2000/07/25 Author: Rob Elliott Mailing: 2000_5

SBC-2 issues

T10/00-248R2 Date: 2000/09/08 Author: Rob Elliott Mailing: 2000_5

SBC-2 issues

T10/00-249R0 Date: 2000/07/17 Author: Weber & Lohmeyer Mailing: 2000_4

Minutes of Parallel SCSI WG - July 11, 2000

T10/00-250R0 Date: 2000/07/19 Author: Weber & Lohmeyer Mailing: 2000_4

Minutes of Parallel SCSI WG - July 10&12, 2000

T10/00-251R0 Date: 2000/07/19 Author: Weber & Lohmeyer Mailing: 2000_4

Minutes of T10 Plenary Meeting #38 -- July 13, 2000

T10/00-251R1 Date: 2000/07/24 Author: Weber & Lohmeyer Mailing: 2000_4

Minutes of T10 Plenary Meeting #38 -- July 13, 2000

T10/00-251R2 Date: 2000/08/02 Author: Weber & Lohmeyer Mailing: 2000_5

Minutes of T10 Plenary Meeting #38 -- July 13, 2000

T10/00-252R0 Date: 2000/06/12 Author: Rob Elliott Mailing: 2000_4

QAS without IU in SPI-4

T10/00-252R1 Date: 2000/07/26 Author: Rob Elliott Mailing: 2000_5

QAS without IU in SPI-4

T10/00-253R0 Date: 2000/06/13 Author: Bill Ham Mailing: 2000_4

Minutes of Passive Interconnect Performance WG (draft) - 6/12-13/00

T10/00-253R1 Date: 2000/08/17 Author: Bill Ham Mailing: 2000_5

Minutes of Passive Interconnect Performance WG (aprvd) - 6/12-13/00

T10/00-254R0 Date: 2000/06/14 Author: Bill Ham Mailing: 2000_4

Minutes of SCSI signal modeling WG (draft) - 6/13-14/00

T10/00-254R1 Date: 2000/08/15 Author: Bill Ham Mailing: 2000_5

Minutes of SCSI signal modeling WG (draft) - 6/13-14/00

T10/00-255R0 Date: 2000/06/15 Author: Bill Ham Mailing: 2000_4

Minutes of SDV working Group - June 15, 2000

T10/00-256R0 Date: 2000/07/07 Author: Ron Roberts Mailing: 2000_4

Additional Expander Proposal

T10/00-257R0 Date: 2000/06/29 Author: John Lohmeyer Mailing: 2000_4

Expander Communication Protocol

T10/00-257R1 Date: 2000/08/14 Author: John Lohmeyer Mailing: 2000_5

Expander Communication Protocol

T10/00-257R2 Date: 2000/08/21 Author: John Lohmeyer Mailing: 2000_5

Expander Communication Protocol

T10/00-257R3 Date: 2000/09/11 Author: John Lohmeyer Mailing: 2000_5

Expander Communication Protocol

T10/00-258R0 Date: 2000/06/16 Author: Stewart Wyatt Mailing: 2000_4 Minutes of T11.3/T10 Joint Activity WG - June 7, 2000 T10/00-258R1 Date: 2000/07/10 Author: Stewart Wyatt Mailing: 2000_4 Minutes of T11.3/T10 Joint Activity WG - June 7, 2000 T10/00-259R0 Date: Mailing: Missing Author: not used T10/00-260R0 Date: 2000/06/21 Author: Dave Baldwin Mailing: 2000_4 FCP-2 problem recovering the proper command T10/00-260R1 Date: 2000/06/30 Author: Dave Baldwin Mailing: 2000_4 FCP-2 problem recovering the proper command T10/00-261R0 Date: 2000/06/28 Author: Jim Hafner Mailing: 2000_4 Discussion of editorial changes to Access Controls, 99-245r9 T10/00-262R0 Date: 2000/06/28 Author: Jim Hafner Mailing: 2000_4 Suggested changes to OSD model in osd-r01 T10/00-263R0 Date: 2000/06/27 Author: Augusto Panella Mailing: 2000_4 IBIS Connector Modeling Specification T10/00-264R0 Date: 2000/06/30 Author: Bob Snively Mailing: 2000_4 Asymmetric target behavior presentation T10/00-265R0 Date: 2000/06/29 Author: Ed Gardner Mailing: 2000_4 Multi-port vs. Multi-target SCSI Devices T10/00-266R0 Date: 2000/06/30 Author: Bob Snively Mailing: 2000_4 Draft of Annex D for FCP-2, Rev 5 T10/00-266R1 Date: 2000/07/20 Author: Bob Snively Mailing: 2000_5 Draft of Annex D for FCP-2, Rev 5 T10/00-266R2 Date: 2000/08/04 Author: Bob Snively Mailing: 2000_5 Draft of Annex D for FCP-2, Rev 5 T10/00-267R0 Date: 2000/08/17 Author: Ralph Weber Mailing: 2000_5 Response to T10 letter ballot comments on SPC-2 T10/00-267R1 Date: 2000/09/06 Author: Ralph Weber Mailing: 2000_5 Response to T10 letter ballot comments on SPC-2 T10/00-268R0 Date: 2000/07/07 Author: George Penokie Mailing: 2000_4 Defining Targets/Initiators as Ports T10/00-268R1 Date: 2000/08/07 Author: George Penokie Mailing: 2000_5 Defining Targets/Initiators as Ports T10/00-269R0 Date: 2000/08/17 Author: Ralph Weber Mailing: 2000_5 CDB Structure Rewrite T10/00-270R0 Date: 2000/07/07 Author: Brian Day Mailing: 2000_4 Enhancing performance by reducing training overhead T10/00-271R0 Date: 2000/07/11 Author: Bruce Leshay Mailing: 2000_4 REO/ACK offsets for Ultra320

T10/00-272R0 Date: 2000/07/11 Author: Bruce Leshay Mail Data Out phase for Ultra320	ling: 2000_4
T10/00-273R0 Date: 2000/07/11 Author: Russ Brown Mail The Effect of Noise on an Ultra320 SCSI System	ling: 2000_4
T10/00-274R0 Date: 2000/07/11 Author: Russ Brown Mail Ultra320 Eye Diagram Data for a System with a Backplane and a Sasembly	ling: 2000_4 Short Cable
T10/00-275R0 Date: 2000/07/07 Author: Bob Nixon Mail FCP-2 Recovery Problem	ling: 2000_4
T10/00-276R0 Date: 2000/07/11 Author: Bruce Manildi Mail Amplitude Margins	ling: 2000_4
T10/00-277R0 Date: 2000/07/07 Author: John Masiewicz Mail Proposal to T10 for Separate Packetized and U320 Support	ling: 2000_4
T10/00-278R0 Date: 2000/07/11 Author: Ed Gardner Mail SVP Status and Future Plans	ling: 2000_4
T10/00-278R1 Date: 2000/09/13 Author: Ed Gardner Mail SVP's Relationship to Infiniband(tm)	ling: 2000_5
T10/00-279R0 Date: 2000/07/08 Author: Ed Gardner Mail	ling: 2000_4
T10/00-280R0 Date: 2000/07/12 Author: Ed Gardner Mail iSCSI Liaison Report	ling: 2000_4
T10/00-281R0 Date: 2000/07/18 Author: Umesh Chandra Mail SCSI Cable Modeling	ling: 2000_4
T10/00-282R0 Date: 2000/07/12 Author: Keith Parker Mail [SSS] SCSI Socket Services status report 2000-07-12	ling: 2000_4
T10/00-283R0 Date: 2000/07/13 Author: Gene Milligan Mail NCITS T10 Standards Development Policy and Procedures	ling: 2000_4
T10/00-283R1 Date: 2000/07/13 Author: Gene Milligan Mail NCITS T10 Standards Development Policy and Procedures	ling: 2000_4
T10/00-284R0 Date: 2000/07/10 Author: Bill Ham Mail Minutes of SDV working Group - July 10, 2000	ling: 2000_4
T10/00-284R1 Date: 2000/08/17 Author: Bill Ham Mail Minutes of SDV working Group (aprvd) - July 10, 2000	ling: 2000_5
T10/00-285R0 Date: 2000/07/11 Author: Bruce Leshay Mail Flow Control Issues	ling: Missing
T10/00-285R1 Date: 2000/07/11 Author: Bruce Leshay Mail Flow Control	ling: 2000_4
T10/00-286R0 Date: 2000/07/10 Author: Gary Robinson Mail T10 liaison report on IETF WG on SCSI over TCP/IP	ling: 2000_4

T10/00-287R0 Date: 2000/07/12 Author: Jim Hafner Mailing: 2000_4

TransportIDs for Access Controls

T10/00-287R1 Date: 2000/07/20 Author: Jim Hafner Mailing: 2000_5

TransportIDs for Access Controls

T10/00-288R0 Date: 2000/07/12 Author: Rob Elliott Mailing: 2000_4

Resolution of SES Amendment 1 (sesar0) letter ballot comments

T10/00-289R0 Date: 2000/07/10 Author: Stewart Wyatt Mailing: 2000_4

Minutes of Joint T10/T11.3 Meeting - July 10, 2000

T10/00-290R0 Date: 2000/07/13 Author: Neil Wanamaker Mailing: 2000_4

Tll Liaison Report to Tl0

T10/00-291R0 Date: 2000/07/13 Author: Gene Milligan Mailing: 2000_4

ISO/IEC Report 7/2000

T10/00-292R0 Date: 2000/07/13 Author: George Penokie Mailing: 2000_4

Make PPR Pace_On bit reserved

T10/00-292R1 Date: 2000/07/19 Author: George Penokie Mailing: 2000_4

Make PPR Pace_On bit reserved

T10/00-292R2 Date: 2000/08/25 Author: George Penokie Mailing: 2000_5

Make PPR Pace_On bit reserved

T10/00-293R0 Date: 2000/07/13 Author: Paul Aloisi Mailing: 2000_4

STA Liaison report for July 2000

T10/00-294R0 Date: 2000/07/13 Author: Larry Barnes Mailing: 2000_4

Meeting Announcement - T10 PIP, SSM, and SDV working groups

T10/00-295R0 Date: 2000/07/13 Author: Dave Anderson Mailing: 2000_4

Dave Anderson's response to 00-262r0

T10/00-296R0 Date: 2000/07/13 Author: Ralph Weber & Mailing: 2000_4

Gene Milligan

Minutes of OSD Working Group - July 13, 2000

T10/00-297R0 Date: 2000/07/18 Author: Carl Zeitler Mailing: 2000_4

Suggested Changes to Draft Annex D, FCP-2 revision 5, T10/00-266r0

T10/00-298R0 Date: 2000/07/19 Author: Bill McFerrin Mailing: 2000_4

Minutes of MMC3/RMC Working Group - July 11-12, 2000

T10/00-299R0 Date: 2000/07/20 Author: John Lohmeyer Mailing: 2000_4

Meeting Announcement - Parallel SCSI WG - Aug 24-25, 2000

T10/00-300R0 Date: 2000/08/02 Author: Bob Snively Mailing: 2000_5

Installation of corrections in FCP-2

T10/00-300R1 Date: 2000/09/07 Author: Bob Snively Mailing: 2000_5

Installation of corrections in FCP-2

T10/00-301R0 Date: 2000/08/14 Author: Bill Ham Mailing: 2000_5

Minutes of Passive Interconnect Performance WG (draft) - 8/14-15/00

T10/00-302R0 Date: 2000/08/16 Author: Bill Ham Mailing: 2000_5

Minutes of SCSI signal modeling WG (draft) - 8/15-16/00

T10/00-303R0 Date: 2000/08/17 Author: Bill Ham Mailing: 2000_5

Minutes of SDV working Group - August 17, 2000

T10/00-304R0 Date: 2000/08/28 Author: Weber & Lohmeyer Mailing: 2000_5

Minutes of Parallel SCSI WG - August 24-25, 2000

T10/00-305R0 Date: 2000/09/11 Author: Bill Ham Mailing: 2000_5

Minutes of SDV working Group - September 11, 2000

T10/00-306R0 Date: 2000/09/19 Author: Weber & Lohmeyer Mailing: 2000_5

Minutes of Parallel SCSI WG - September 12, 2000

T10/00-307R0 Date: 2000/07/31 Author: Weber & Lohmeyer Mailing: Missing

Minutes of SCSI CAP WG - September 11&13, 2000

T10/00-308R0 Date: 2000/07/31 Author: Weber & Lohmeyer Mailing: Missing

Minutes of T10 Plenary Meeting #39 -- September 14, 2000

T10/00-309R0 Date: 2000/08/03 Author: George Penokie Mailing: 2000_5

Bidirectional data transfers in SAM-2

T10/00-309R1 Date: 2000/08/04 Author: George Penokie Mailing: 2000_5

Bidirectional data transfers in SAM-2

T10/00-309R2 Date: 2000/09/12 Author: George Penokie Mailing: 2000_5

Bidirectional data transfers in SAM-2

T10/00-310R0 Date: 2000/08/02 Author: Don Woelz Mailing: 2000_5

Minutes of T11.1 HIPPI Ad Hoc (includes SST) - June 6-7, 2000

T10/00-311R0 Date: 2000/08/03 Author: Mark Evans & Mailing: 2000_5

Bruce Leshay

Assertion handshaking protocol for Ultra320 SCSI

T10/00-311R1 Date: 2000/08/24 Author: Mark Evans & Mailing: 2000_5

Bruce Leshay

Assertion handshaking protocol for Ultra320 SCSI

T10/00-312R0 Date: 2000/08/21 Author: Barry, Preslan, Mailing: 2000_5

O'Keefe, Johnsen,

Wayda, and

Alting

SCSI Device Memory Export Protocol

T10/00-313R0 Date: 2000/08/14 Author: Matt Wakeley Mailing: 2000_5

FCP-2 Annex-D, new error recovery proposal

T10/00-314R0 Date: 2000/08/11 Author: Rob Elliott Mailing: 2000_5

Bidirectional data transfers in SPI-4

T10/00-314R1 Date: 2000/08/23 Author: Rob Elliott Mailing: 2000_5

Bidirectional data transfers in SPI-4

T10/00-315R0 Date: 2000/08/09 Author: Rob Elliott Mailing: 2000_5

Bidirectional XDWRITEREAD command for SBC-2

T10/00-316R0 Date: 2000/08/09 Author: Charles Binford Mailing: 2000_5

Minutes of Joint T10/T11.3 Meeting - August 9, 2000

T10/00-317R0 Date: 2000/09/16 Author: Ralph Weber Mailing: 2000_5

Changes Made During SAM-2 rev 14 Preparation

T10/00-318R0 Date: 2000/08/25 Author: Rob Basham Mailing: 2000_5

Explicit state change proposal for SSC-2

T10/00-319R0 Date: 2000/08/24 Author: Richard Uber Mailing: 2000_5

LVD Driver Balance for Ultra320 SCSI

T10/00-320R0 Date: 2000/08/18 Author: Richard Moore Mailing: 2000_5

Vn for OR-Tied Signals

T10/00-320R1 Date: 2000/08/18 Author: Richard Moore Mailing: 2000_5

Vn for OR-Tied Signals

T10/00-321R0 Date: 2000/08/18 Author: Richard Moore Mailing: 2000_5

Disabling Precompensation

T10/00-321R1 Date: 2000/08/18 Author: Richard Moore Mailing: 2000_5

Disabling Precompensation

T10/00-322R0 Date: 2000/08/18 Author: Richard Moore Mailing: 2000_5

SPI-4 Clarifications

T10/00-322R1 Date: 2000/08/18 Author: Richard Moore Mailing: 2000_5

SPI-4 Clarifications

T10/00-322R2 Date: 2000/09/13 Author: Richard Moore Mailing: 2000_5

SPI-4 Clarifications

T10/00-323R0 Date: 2000/08/22 Author: Gene Milligan Mailing: 2000_5

Proposal for revision of the timing tables and definitions in SPI-4

T10/00-323R1 Date: 2000/08/24 Author: Gene Milligan Mailing: 2000_5

Proposal for revision of the timing tables and definitions in $\ensuremath{\mathsf{SPI-4}}$

T10/00-323R2 Date: 2000/08/26 Author: Gene Milligan Mailing: 2000_5

Proposal for revision of the timing tables and definitions in SPI-4

T10/00-323R2 Date: 2000/08/26 Author: Gene Milligan Mailing: 2000_5

Excel spreadsheet used to prepare T10/00-323r2

T10/00-323R3 Date: 2000/09/06 Author: Gene Milligan Mailing: 2000_5

Proposal for revision of the timing tables and definitions in $\ensuremath{\mathsf{SPI-4}}$

T10/00-323R4 Date: 2000/09/12 Author: Gene Milligan Mailing: 2000_5

Proposal for revision of the timing tables and definitions in SPI-4

T10/00-324R0 Date: 2000/08/22 Author: George Penokie Mailing: 2000_5

Getting training started in SPI-4

T10/00-324R1 Date: 2000/08/30 Author: George Penokie Mailing: 2000_5

Getting training started in SPI-4

T10/00-324R2 Date: 2000/09/07 Author: George Penokie Mailing: 2000_5

Getting training started in SPI-4

T10/00-324R3 Date: 2000/09/12 Author: George Penokie Getting training started in SPI-4	e Mailing:	2000_5
T10/00-325R0 Date: 2000/08/23 Author: Bill Galloway Vendor Unique IU type	Mailing:	2000_5
T10/00-326R0 Date: 2000/08/23 Author: Bill Galloway Packetized streaming clarification	Mailing:	2000_5
T10/00-326R1 Date: 2000/08/28 Author: Bill Galloway Packetized streaming clarification	Mailing:	2000_5
T10/00-327R0 Date: 2000/08/23 Author: Larry Barnes Effects of Periodic Structures on Transmission Lines	Mailing:	2000_5
T10/00-327R1 Date: 2000/08/28 Author: Larry Barnes Effects of Periodic Structures on Transmission Lines	Mailing:	2000_5
T10/00-328R0 Date: 2000/08/29 Author: Eric Anderson Enhancing SBP-2 Performance	Mailing:	2000_5
T10/00-329R0 Date: 2000/09/15 Author: Rob Haydt DMA Architecture for InfiniBand (tm)	Mailing:	2000_5
T10/00-330R0 Date: 2000/09/15 Author: Peter Johansson SBP-2 in a bridged environment	n Mailing:	2000_5
T10/00-331R0 Date: 2000/08/24 Author: Richard Uber Losses on LVD Buses	Mailing:	2000_5
T10/00-332R0 Date: 2000/08/24 Author: Bill Ham Receiver Response Requirements	Mailing:	2000_5
T10/00-332R1 Date: 2000/09/12 Author: Bill Ham Receiver Response Requirements	Mailing:	2000_5
T10/00-333R0 Date: 2000/09/14 Author: Gene Milligan Standard is a functional description	Mailing:	2000_5
T10/00-334R0 Date: 2000/08/28 Author: Umesh Chandra Meeting announcement - SSM and PIP WG - October 10-12,	Mailing: 2000	Missing
T10/00-335R0 Date: 2000/08/30 Author: George Penokie SPI-4 IU Handling Clean-up	e Mailing:	2000_5
T10/00-335R1 Date: 2000/09/12 Author: George Penokie SPI-4 IU Handling Clean-up	e Mailing:	2000_5
T10/00-336R0 Date: 2000/08/30 Author: George Penokie Paced information unit timing description	e Mailing:	2000_5
T10/00-337R0 Date: 2000/09/01 Author: Rob Elliott PPR/MESSAGE REJECT implied agreement	Mailing:	2000_5
T10/00-338R0 Date: 2000/09/01 Author: George Penokie New disc type field values for MMC-3	e Mailing:	2000_5
T10/00-339R0 Date: 2000/09/07 Author: Gregory Vaupot	_	2000_5

A Wide-Band Balun Test Fixture Suitable for SCSI Measurements

T10/00-340R0 Date: 2000/09/06 Author: Robert Elliott Mailing: 2000_5 SAM-2 ASCQ references in section 5.4 T10/00-341R0 Date: 2000/09/07 Author: John Lohmeyer Mailing: Missing T10 Annual Report for 2000 T10/00-342R0 Date: 2000/09/07 Author: Jim Coomes Mailing: 2000_5 Clearing Effects of SCSI Initiators on mode page values T10/00-343R0 Date: 2000/09/08 Author: Bill Galloway Mailing: 2000_5 Timing for ATN and P_CRCA in SPI-4T10/00-343R1 Date: 2000/09/11 Author: Bill Galloway Mailing: 2000_5 Timing for ATN and P_CRCA in SPI-4 T10/00-343R2 Date: 2000/09/11 Author: Bill Galloway Mailing: 2000_5 Timing for ATN and P_CRCA in SPI-4 T10/00-344R0 Date: 2000/09/13 Author: Dave Peterson Mailing: 2000_5 Identifying a 3rd Party Copy Management Device/LUN T10/00-345R0 Date: 2000/09/11 Author: Dave Peterson Mailing: Missing Command Reference Number (CRN) into SAM-2 T10/00-346R0 Date: 2000/09/12 Author: Mark Evans Mailing: 2000_5 Ultra320 First Pulse Noise Margin T10/00-347R0 Date: 2000/09/12 Author: Richard Uber Mailing: 2000_5 SPI-4 Spec Proposal for Ultra320 T10/00-348R0 Date: 2000/09/12 Author: Bruce Manildi Mailing: 2000_5 First Pulse and Attenuation Data T10/00-349R0 Date: 2000/09/12 Author: Bruce Manildi Mailing: 2000_5 Attenuation Data for Fast-160 (Ultra320) SCSI T10/00-350R0 Date: 2000/09/12 Author: Bruce Manildi Mailing: 2000_5 Worst Case Signal Amplitude Calculations Spreadsheet T10/00-351R0 Date: 2000/09/12 Author: Bruce Manildi Mailing: 2000_5 A Comparison of Pre-Compensation and AAF T10/00-352R0 Date: 2000/09/12 Author: Larry Barnes Mailing: 2000_5 Periodic Structures T10/00-353R0 Date: 2000/09/12 Author: Gene Milligan Mailing: 2000 5 Proposal for revised setup and hold figures to be included in SPI-4 T10/00-353R1 Date: 2000/09/12 Author: Gene Milligan Mailing: 2000_5 Proposal for revised setup and hold figures to be included in ${\tt SPI-4}$ T10/00-354R0 Date: 2000/09/13 Author: Ed Gardner Mailing: 2000 5 64-bit Task Tags or Host Context Fields in SVP T10/00-355R0 Date: 2000/09/13 Author: Ed Gardner Mailing: 2000_5 Reporting Supported Request Types in SVP

Mailing: 2000_5

T10/00-356R0 Date: 2000/09/13 Author: Ed Gardner

Mandating Large LBA Commands in SBC-2

T10/00-357R0 Date: 2000/09/13 Author: Ed Gardner Mailing: 2000_5

Identifying Devices

T10/00-358R0 Date: 2000/09/13 Author: Keith Parker Mailing: 2000_5

[SSS] SCSI Socket Services Status Report - 2000/09/13

T10/00-359R0 Date: 2000/09/13 Author: Ed Gardner Mailing: 2000_5

Unit Attention Issue

T10/00-360R0 Date: 2000/09/13 Author: Jim Wayda Mailing: 2000_5

SCSI Device Memory Export Protocol (DMEP) T10 Presentation

T10/00-361R0 Date: 2000/09/04 Author: Bill McFerrin Mailing: 2000_5

Mount Fuji Version 5, Draft 0.9

T10/00-362R0 Date: 2000/09/14 Author: Bill McFerrin Mailing: 2000_5

Minutes of MMC WG - September 13, 2000

T10/00-363R0 Date: 2000/09/14 Author: Bill McFerrin Mailing: 2000_5

Double Density CD Proposal (Sony)

T10/00-363R1 Date: 2000/09/14 Author: Bill McFerrin Mailing: 2000_5

Double Density CD Proposal (Sony)

T10/00-364R0 Date: 2000/09/13 Author: Bill McFerrin Mailing: 2000_5

Response to T10/00-338r0, New disc type field values for MMC-3

T10/00-365R0 Date: 2000/08/08 Author: Don Woelz Mailing: 2000_5

Minutes of T11.1 HIPPI Ad Hoc August 8-9, 2000 (includes SST in 9.0)

T10/00-366R0 Date: 2000/09/14 Author: Bill Ham Mailing: 2000_5

Presentation opposing incorporation of 00-246r7 into SPI-4

T10/00-367R0 Date: 2000/09/14 Author: Paul Aloisi Mailing: 2000_5

STA Liaison Report - September 14, 2000

T10/00-368R0 Date: 2000/09/14 Author: Ralph Weber and Mailing: Missing

Gene Milligan

Minutes of OSD Working Group - September 14, 2000

T10/00-369R0 Date: 2000/09/18 Author: Ralph Weber Mailing: Missing

Extended Copy issues in SPC-2 letter ballot

T10/00-370R0 Date: 2000/09/15 Author: Peter Johansson Mailing: 2000_5

Copyright clearances

T10/00-371R0 Date: 2000/09/19 Author: Peter Johansson Mailing: 2000_5

SBP-2 study group