

Accredited Standards Committee\*  
**National Committee for Information Technology Standards (NCITS)**

**Doc. No.:** T10/01-216r0

**Date:** July 24, 2001

**Reply to:** John Lohmeyer

To: T10 Membership  
From: Ralph Weber / John Lohmeyer  
Subject: Minutes of T10 Plenary Meeting #44 -- July 19, 2001  
Colorado Springs, CO

## Agenda

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  - 8.12 SCSI RDMA Protocol (SRP) {Project 1415-D} [Gardner]
  - 8.13 SCSI Primary Commands - 3 (SPC-3) {Project 1416-D} [Weber]
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  - 8.15 Object-based Storage Devices Commands (OSD) {Project 1355-D} [Weber]
  - 8.16 SCSI Stream Commands - 2 (SSC-2) {Project 1434-D} [Peterson]
  - 8.17 SCSI Passive Interconnect Performance (PIP) {Project 1439-D} [Daggett]
  - 8.18 SCSI Serial Bus Protocol -3 (SBP-3) {Project 1467-D} [Johansson]
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9. Old Business
  - 9.1 Style Guide [Moore]
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  - 10.1 Resolution of Public Review Comments on SPC-2 (01-194) [Weber]
  - 10.2 Resolution of Public Review Comments on FCP-2 (01-197) [Snively]
  - 10.3 Project Proposal for a SCSI Parallel Interface - 5 (SPI-5) Standard (01-144r1) [Lohmeyer]

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

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

Email: [ncits@itic.org](mailto:ncits@itic.org) Telephone: 202-737-8888 FAX: 202-638-4922

- 10.4 Project Proposal for a SCSI Parallel Interface - 6 (SPI-6) Standard (01-145) [Lohmeyer]
- 10.5 Actions on Parallel SCSI Working Group Recommendations
  - 10.5.1 P\_CRCA Streaming Clarifications (01-170r1) [Day]
  - 10.5.2 ATN Condition Streaming Change (01-207r0) [Day]
  - 10.5.3 SPI-4 Add DISCONNECT OUT during IU mode to bus free list (01-201r0) [Elliott]
  - 10.5.4 SPI-4 Obsolete AIP annex (01-202r0) [Elliott]
  - 10.5.5 Precomp Cutback Level [Manildi]
  - 10.5.6 SNSVALID bit [Penokie]
- 10.6 Actions on CAP Working Group Recommendations
  - 10.6.1 Long Identifiers in SPC-3, SAM-2, SBC-2 and other XOR issues (00-425r4) [Hafner]
  - 10.6.2 SAM-2 device and port names (01-182r1) [Hafner]
  - 10.6.3 SAM-2, SPC-3, SPI-4, SBC-2 WAKEUP and reset cleanup (01-134r1) [Elliott]
  - 10.6.4 SAM-2 layering terminology proposal (01-185r1) [Simpson]
  - 10.6.5 SPC-3 Media Serial Number READ ATTRIBUTES Proposal (01-027r2) [Hill]
  - 10.6.6 SBP-3 EXTENDED COPY Target Descriptor (01-174r2) [Johansson/Weber]
  - 10.6.7 SRP EXTENDED COPY target descriptor (01-192r2) [Elliott]
  - 10.6.8 SBC-2 Reassign Blocks 2 TBytes Support (01-210r0) [Penokie]
  - 10.6.9 SMC-2 Connected Media Changers (01-211r0) [Oetting]
  - 10.6.10 FCP-2 Editorial Corrections (01-220r0) [Snively]
- 10.7 Actions on Other Working Group Recommendations
- 11. ISO/IEC
  - 11.1 ISO/IEC Report (01-152r0) [Robinson]
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- 12. Liaison Reports
  - 12.1 T11 Liaison Report [open]
  - 12.2 T13 Liaison Report [Colegrove]
  - 12.3 SFF Industry Group [Allan]
  - 12.4 IEEE 1394 [Johansson]
  - 12.5 SCSI Trade Association (STA) [Jones/Aloisi]
  - 12.6 IETF SCSI over IP [Black/Robinson]
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- 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 July 19, 2001. He thanked LSI Logic for allowing him to host 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:

- 10.5.1 P\_CRCA Streaming Clarifications (01-170r1) [Day]
- 10.5.2 ATN Condition Streaming Change (01-207r0) [Day]
- 10.5.3 SPI-4 Add DISCONNECT OUT during IU mode to bus free list (01-201r0) [Elliott]
- 10.5.4 SPI-4 Obsolete AIP annex (01-202r0) [Elliott]
- 10.5.5 Precomp Cutback Level [Manildi]
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- 10.6.3 SAM-2, SPC-3, SPI-4, SBC-2 WAKEUP and reset cleanup (01-134r1) [Elliott]
- 10.6.4 SAM-2 layering terminology proposal (01-185r1) [Simpson]
- 10.6.5 SPC-3 Media Serial Number READ ATTRIBUTES Proposal (01-027r2) [Hill]
- 10.6.6 SBP-3 EXTENDED COPY Target Descriptor (01-174r2) [Johansson/Weber]
- 10.6.7 SRP EXTENDED COPY target descriptor (01-192r2) [Elliott]
- 10.6.8 SBC-2 Reassign Blocks 2 TBytes Support (01-210r0) [Penokie]
- 10.6.9 SMC-2 Connected Media Changers (01-211r0) [Oetting]
- 10.6.10 FCP-2 Editorial Corrections (01-220r0) [Snively]

No agenda items were added/revised during the course of the meeting.

## 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 Advisory Member. 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 (\$800).

John briefly discussed the mailing fees. Complete pricing information is contained in the 2001 membership form (available at [ftp://ftp.t10.org/t10/mem\\_form.txt](ftp://ftp.t10.org/t10/mem_form.txt)).

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

The Chair said he had sent letters to 19 people from 10 organizations informing them that their membership was in jeopardy due to non-attendance (see 01-158r0) and that their membership would be terminated if they did not attend this meeting. The following organizations were in attendance jeopardy:

Ancot Corp.  
Circuit Assembly Corp.  
CMD Technology  
Congruent Software, Inc.  
General Dynamics  
Honda Connectors  
Molex Inc.  
Seagate Technology  
Storage Technology Corp.  
Woven Electronics

All organizations in attendance jeopardy were present except:

Circuit Assembly Corp.  
CMD Technology  
Honda Connectors

The members of organizations in attendance jeopardy that failed to attend were changed to advisory member status.

The following organizations join the committee at this meeting:

Pirus Networks

The T10 membership during the meeting was 45 organizations down from 47 following the last meeting. Enclosure (1) is the list of the people present at the meeting and enclosure (2) is the current T10 membership list.

The following organization requested new membership following the adjournment of the meeting:

Veritas

T10 membership following the meeting was 46 members.

John Lohmeyer reminded members that failure to vote on two out of the last three letter ballots also would result in membership jeopardy and then reported on the status of companies that have not voted on recent letter ballots (01-218r0).

#### **4. Approval of Minutes - May '01 Meeting - Nashua, NH (T10/01-143r1)**

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 July 26, 2001. Documents received after this time may go into a subsequent mailing.

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

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

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

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

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

To be added to the T10 Reflector, send an email to [majordomo@t10.org](mailto: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/>

There is also a mirror site at:

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

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](http://www.ncits.org/help/ansi_sdo.html). Section 1.2.11 contains the ANSI patent policy. Amy Marasco manages patent issues for ANSI and can be contacted at [amarasco@ansi.org](mailto:amarasco@ansi.org) or 212-642-4954. Gene Milligan prepared a useful "Handy dandy Technical Committee's Patents Guide", which is available at <ftp://ftp.t10.org/t10/document.99/99-291r0.pdf>.

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

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

There was no response to the call for patents.

Cris Simpson reported that a statement of the Intel patent policy can be found in T10/01-041r0.

## 7. Review of Old Action Items

- 409) Bill McFerrin will inform the T10 reflector that a request to close the RMC project will be made at the July T10 meeting. *Complete*
- 419) John Lohmeyer will forward 01-129r0 to NCITS for processing as a project proposal for SSM-2. *Complete*

420) John Lohmeyer will request the T11 chair to appoint a liaison to T10. *Carryover*

## **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.

Terry Nelson, the NCITS liaison, reported on the activities of the NCITS meeting a couple of weeks ago. He described a request from the policies and procedures committee to remove the restriction on NCITS activities for non US domiciled companies. The effort was tabled and discussions were initiated to see how the change would work with ANSI practices. In response to a question from Terry, John Lohmeyer said that no T10 members are non US domiciled.

John Lohmeyer reported that NCITS is experimenting with electronic meetings. He suggested that once the kinks are ironed out T10 could make use of this for meetings that are currently conducted via teleconference.

#### **8.1.1 T12 Orphan FDDI Standards**

John Lohmeyer said that Jim Ryland had sent him an email asking whether T10 would be interested in becoming the foster parent to about 20 FDDI standards that are in maintenance mode in the event that NCITS disbands the T12 Technical Committee. John invited discussion on the subject.

Terry Nelson reported that T12 was disbanded. The remainder of the discussion did not favor accepting the FDDI standards.

Bob Snively moved that T10 respectfully decline to accept ownership of the T12 FDDI standards due to lack of appropriate expertise. Ed Gardner seconded the motion. The motion passed on a vote of 35:0:2:8=45.

John Lohmeyer took an action item to respond to Jim Ryland that T10 respectfully declines to accept ownership of the T12 FDDI standards.

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

Bob Snively reported on activities related to the FCP-2 public review comment (01-176r0) and other matters related to FCP-2. He noted that FCP-2 activities were handled in the CAP working group, minutes in 01-215.

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

Ralph Weber reported that the SAM-2 editing meeting failed to complete the review of the draft. Another meeting will be required in September. SAM-2 revision 19 will be available in time for the mailing and will contain changes from the editing meeting as well as any changes approved by this meeting. Also, the editor was instructed to ensure that 'enabled' is replaced with 'enabled task state' wherever it appears.

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

Ralph Weber reported that a motion to accept resolutions for the public review comments will be made later in the meeting.

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

Bill McFerrin reported that the review of letter ballot comments on MMC-3 was completed yesterday. The letter ballot resolutions document is 01-167 and will be uploaded to the web site soon. He noted that the minutes of the MMC-3 working group will be available, but he had not requested a document number yet.

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

Bill McFerrin moved that T10 recommend to NCITS that project 1364 be closed due to lack of resources to pursue the project. Ron Roberts seconded the motion. The motion passed on a vote of 34:0:0:11=45.

John Lohmeyer took an action item to notify NCITS that T10 recommends closing project 1364 (RMC) due to lack of resources to pursue the project.

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

George Penokie reported on the activities of the SPI-4 working group (minutes in 01-214). He noted that a letter ballot on SPI-4 is planned following the September T10 meeting.

**8.8 SCSI Domain Validation Technical Report (SDV) {Project 1378-DT} [open]**

John Lohmeyer reported on the activities of the SCSI Domain Validation group (minutes in 01-213). He stated that Ron Roberts has lost management support for editing SDV and made a call for a new editor. Revision 5 of SDV is current and posted on the T10 web site.

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

John Lohmeyer reported that the SST letter ballot closed on 10 July and reported on the results of the letter ballot (01-184r0). John indicated that the SST working group will be working on resolving the letter ballot comments between now and their next meeting in October.

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

Erich Oetting reported that work on SMC-2 is progressing and that revision 1 will be provided for the mailing.

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

Paul Aloisi reported on the activities of the SSM working group (minutes in 01-190) and provided an electronic copy of his report in 01-231r0.

Paul stated that the SSM working group is requesting a letter ballot on SSM rev 4a. John Lohmeyer took an action item to conduct a letter ballot on forwarding SSM rev 4a to public review.

**8.12 SCSI RDMA Protocol (SRP) {Project 1415-D} [Gardner]**

Ed Gardner reported that SRP revision 7 is available on the T10 web site. He noted that the SRP working group has met several times since the last T10 meeting week, both in person and via teleconference, minutes in 01-169, 01-178, 01-195, and 01-206. Ed stated that he hopes to have an SRP revision 8 ready for the mailing.

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

Ralph Weber reported that SPC-3 revision 1 will be prepared after this month's committee mailing but prior to the September meeting week and will contain as many of the approved proposals as can be incorporated. He reviewed the schedule for SPC-3 work (00-222r2) and stated that he hopes this plan will reduce the down time

when SPC-3 transits the letter ballot and public review stages. Key elements of the plan are three editing meetings prior to the letter ballot and a two-step proposal cut off with more complex proposals being cut off one meeting cycle earlier than simpler ones.

Ralph Weber moved that 00-222r2 be adopted as the SPC-3 schedule. Bob Snively seconded the motion. The motion passed on a vote of 28:0:4:13=45.

#### **8.14 SCSI Block Commands - 2 (SBC-2) {Project 1417-D} [Elliott]**

John Lohmeyer reported that Rob Elliott has agreed to edit SBC-2. Rob Elliott announced that rev 3 has been posted on the T10 web site. He stated that revision 4 will be posted prior to the September meeting but not it time for the next mailing.

#### **8.15 Object-based Storage Devices Commands (OSD) {Project 1355-D} [Weber]**

Ralph Weber reported that OSD revision 4 is available on the T10 web site. Two activities are reflected in revision 4. The working draft was converted from Microsoft Word to FrameMaker. Several subclauses on security were moved from an informative annex to the body of the working draft. Ralph noted that between Gene Milligan and himself about 80 editors' notes appear in revision 4 all of which need resolution before OSD is even close to being ready for letter ballot.

Ralph reported that the information on the OSD reflector is anticipated any day now.

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

Dave Peterson provided an electronic report on the activities of the SSC-2 working group (01-229r0) which was read to the committee. George Penokie reported that SSC-2 revision 4 is on the T10 web site. John Lohmeyer reported that the minutes of the most recent SSC-2 working group meeting are in 01-209.

#### **8.17 SCSI Passive Interconnect Performance (PIP) {Project 1439-D} [Daggett]**

Zane Daggett reported on the activities of the PIP working group (minutes in 01-191).

#### **8.18 SCSI Serial Bus Protocol -3 (SBP-3) {Project 1467-D} [Johansson]**

Peter Johansson reported that the SBP-3 working group met July 17 - 18 in Colorado Springs, CO and continues work in three principal areas:

- a) FAST\_START protocols,
- b) isochronous facilities and
- c) bridge-awareness for IEEE P1394.1.

See the minutes (01-223) for additional detail.

The meeting schedule for the remainder of 2001 is: August 22 - 23 (Cupertino, CA), October 3 - 4 (Durham, NH), November 6 - 7 (Monterey, CA), and a two day meeting between December 10 - 14 (San Diego, CA).

#### **8.19 SCSI Signal Modeling - 2 (SSM-2) {Project 1514-D} [Aloisi]**

Paul Aloisi reported that work on SSM-2 will begin after the August SSM meeting, see item 8.11.



## **9. Old Business**

### **9.1 Style Guide [Moore]**

Dennis Moore reported that the first revision of the T10 style guide will be published as a T10 document at least two weeks prior to the September meeting.

### **9.2 Project Proposal for an RBC-2 Standard (01-098) [Roberts]**

Ron Roberts asked that discussion of this topic be deferred to the next meeting.

### **9.3 Project Proposal for SCSI Management Server Commands (01-095) [Penokie/Elliott]**

Rob Elliott presented 01-095r1, a project proposal for a new standard, SCSI Management Server Commands (MSC). George Penokie described the kinds of commands that might appear MSC.

The committee discussed the proposed content of MSC, things to keep out of the document in particular. George agreed to edit MSC.

John Lohmeyer noted that the document was uploaded less than two-weeks ago, prohibiting it from being processed under the new rules.

George Penokie moved that 01-095r1 be forwarded to NCITS for further processing as new project proposal for SCSI Management Server Commands (MSC). Rob Elliott seconded the motion. The motion passed on a vote of 31:0:1:13=45.

John Lohmeyer took an action item to forward 01-095r1 to NCITS for further processing as new project proposal for SCSI Management Server Commands (MSC).

### **9.4 Project Proposal for SRP-2 (01-160) [Elliott]**

Rob Elliott reviewed the project proposal for SRP-2 (01-160r0). John Lohmeyer noted that the project proposal qualifies for processing under the new rules. He noted that Cris Simpson has volunteered to edit SRP-2. Bob Snively questioned the December 2002 forwarding date, but noted that it can be changed later.

Rob Elliott moved that 01-160r0 be forwarded to NCITS for further processing as new project proposal for SCSI RDMA Protocol - 2 (SRP-2). Charles Monia seconded the motion. The motion passed on a vote of 28:0:1:16=45.

John Lohmeyer took an action item to forward 01-160r0 to NCITS for further processing as new project proposal for SCSI RDMA Protocol - 2 (SRP-2).

## **10. New Business**

### **10.1 Resolution of Public Review Comments on SPC-2 (01-194) [Weber]**

Ralph Weber reported that the CAP working group recommended approval of 01-194r3 on a vote of 24:0:0 and described the document as resolving all SPC-2 public review comments without making any substantive changes.

Ralph Weber moved that T10 accept 01-194r3 as resolving the SPC-2 public review comments without introducing substantive changes to SPC-2 and that the SPC-2 editor be instructed to prepare SPC-2 revision 20 incorporating the changes described in 01-194r3 and that the chair be instructed to forward 01-194r3 to NCITS as resolving the public review comments and that the chair be instructed to forward SPC-2 to NCITS for final processing. Erich Oetting seconded the motion. The motion passed on a vote of 29:0:1:15=45.

Ralph Weber reported that SPC-2 revision 20 is available on the T10 web site and will be in the next mailing.

John Lohmeyer took an action item to forward 01-194r3 to NCITS as the resolution for the SPC-2 public review comments.

John Lohmeyer took an action item to forward SPC-2 revision 20 to NCITS for final processing indicating that the public review comments have been resolved without making substantive changes to SPC-2.

John Lohmeyer took an action item to send formal response letters to those people who had submitted public review comments on SPC-2.

### **10.2 Resolution of Public Review Comments on FCP-2 (01-197) [Snively]**

Bob Snively asked that action on this topic be deferred to the next meeting. He is working with Roger Cummings, who had submitted the comment, to develop a satisfactory resolution.

### **10.3 Project Proposal for a SCSI Parallel Interface - 5 (SPI-5) Standard (01-144r1) [Lohmeyer]**

John Lohmeyer presented a project proposal for SPI-5 (01-144r1). George Penokie volunteered to edit SPI-5.

John Lohmeyer moved that 01-144r1 (r0 as modified this week) be forwarded to NCITS for further processing as new project proposal for SCSI Parallel Interface - 5 (SPI-5). Paul Aloisi seconded the motion. The motion passed on a vote of 29:0:0:16=45.

John Lohmeyer took an action item to forward 01-144r1 to NCITS for further processing as new project proposal for SCSI Parallel Interface - 5 (SPI-5).

### **10.4 Project Proposal for a SCSI Parallel Interface - 6 (SPI-6) Standard (01-145) [Lohmeyer]**

John Lohmeyer asked that discussion of this topic be deferred to the next meeting.

### **10.5 Actions on Parallel SCSI Working Group Recommendations**

#### **10.5.1 P\_CRCA Streaming Clarifications (01-170r1) [Day]**

John Lohmeyer moved that 01-170r1 (r0 as modified) be approved for inclusion in SPI-4. Gerry Houlder seconded the motion.

Ron Roberts requested that action on this motion be deferred to the September meeting.

John Lohmeyer and Gerry Houlder agreed to withdraw the motion. The topic will be placed on the September T10 agenda under old business.

#### **10.5.2 ATN Condition Streaming Change (01-207r0) [Day]**

John Lohmeyer moved that 01-207r0 be approved for inclusion in SPI-4. Rob Elliott seconded the motion. The motion passed on a vote of 22:0:4:19=45.

#### **10.5.3 SPI-4 Add DISCONNECT OUT during IU mode to bus free list (01-201r0) [Elliott]**

Rob Elliott moved that 01-201r0 be approved for inclusion in SPI-4. John Lohmeyer seconded the motion. The motion passed on a vote of 23:0:3:19=45.

**10.5.4 SPI-4 Obsolete AIP annex (01-202r0) [Elliott]**

Rob Elliott moved that 01-202r0 be approved for inclusion in SPI-4. George Penokie seconded the motion. The motion passed on a vote of 22:1:4:18=45.

**10.5.5 Precomp Cutback Level [Manildi]**

Bruce Manildi moved that the maximum weak driver amplitude be changed from 66% to 75% of the strong driver amplitude in SPI-4. Paul Aloisi seconded the motion. The motion passed on a vote of 19:0:8:18=45.

**10.5.6 SNSVALID bit [Penokie]**

George Penokie moved that the following sentence be included in SPI-4: "If the STATUS field contains a CHECK CONDITION status the SNSVALID bit shall be set to one." Gerry Houlder seconded the motion. The motion passed on a vote of 23:0:6:16=45.

**10.6 Actions on CAP Working Group Recommendations****10.6.1 Long Identifiers in SPC-3, SAM-2, SBC-2 and other XOR issues (00-425r4) [Hafner]**

Jim Hafner moved that 01-182r1 (r0 as modified) and 00-425r4 be approved for inclusion in SAM-2, SPC-3 and SBC-2. Rob Elliott seconded the motion. The motion passed on a vote of 23:1:3:18=45.

**10.6.2 SAM-2 device and port names (01-182r1) [Hafner]**

This proposal was acted upon in item 10.6.1.

**10.6.3 SAM-2, SPC-3, SPI-4, SBC-2 WAKEUP and reset cleanup (01-134r1) [Elliott]**

Rob Elliott moved that 01-134r1 (r0 as modified) be approved for inclusion in SAM-2, SPC-3, SPI-4, and SBC-2. John Lohmeyer seconded the motion. The motion passed on a vote of 26:0:4:15=45.

**10.6.4 SAM-2 layering terminology proposal (01-185r1) [Simpson]**

Cris Simpson moved that 01-185r1 (r0 as modified) be approved for inclusion in SAM-2 and every SCSI document that contains a roadmap. Charles Monia seconded the motion. The motion passed on a vote of 25:0:3:17=45.

**10.6.5 SPC-3 Media Serial Number READ ATTRIBUTES Proposal (01-027r2) [Hill]**

Ralph Weber moved that 01-027r2 be approved for inclusion in SPC-3. Bob Griswold seconded the motion. The motion passed on a vote of 25:0:4:16=45.

**10.6.6 SBP-3 EXTENDED COPY Target Descriptor (01-174r2) [Johansson/Weber]**

Peter Johansson moved that 01-174r2 and 01-192r2 be approved for inclusion in SPC-3. John Lohmeyer seconded the motion. The motion passed on a vote of 23:0:3:19=45.

**10.6.7 SRP EXTENDED COPY target descriptor (01-192r2) [Elliott]**

This proposal was acted upon in item 10.6.6.

### **10.6.8 SBC-2 Reassign Blocks 2 TBytes Support (01-210r0) [Penokie]**

George Penokie moved that 01-210r0 be approved for inclusion in SBC-2. Gerry Houlder seconded the motion. The motion passed on a vote of 23:0:3:19=45.

### **10.6.9 SMC-2 Connected Media Changers (01-211r0) [Oetting]**

Erich Oetting moved that 01-211r0 be approved for inclusion in SMC-2. Paul Entzel seconded the motion. The motion passed on a vote of 23:0:3:19=45.

### **10.6.10 FCP-2 Editorial Corrections (01-220r0) [Snively]**

Charles Binford moved that 01-220r0 be approved for inclusion in FCP-2. Roger Cummings seconded the motion. The motion passed on a vote of 24:0:2:19=45.

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

No actions from other working groups were brought before the committee.

## **11. ISO/IEC**

### **11.1 ISO/IEC Report (01-152r0) [Robinson]**

Gary Robinson, who could not attend, provided the electronic ISO status report (01-152r1) and John Lohmeyer reviewed the report's contents.

### **11.2 ISO/IEC Business [Robinson]**

No ISO business was brought before this meeting.

## **12. Liaison Reports**

### **12.1 T11 Liaison Report [open]**

John Lohmeyer reported that no T11 liaison has been assigned.

### **12.2 T13 Liaison Report [Colegrove]**

Dan Colegrove reported that T13 has forwarded an errata for ATAPI-5. The ATAPI-6 work on the A/V enhancement is proceeding well. ATAPI-6 will be going to letter ballot in late August. Other information is available at [www.t13.org](http://www.t13.org).

### **12.3 SFF Industry Group [Allan]**

No report was provided to the committee.

### **12.4 IEEE 1394 [Johansson]**

Peter Johansson provided the following electronic report on the activities of the IEEE 1394 standards group for the minutes and provided an oral report to the committee.

IEEE P1394b, High Performance Serial Bus---Amendment 2, has successfully completed its recirculation ballot and the final draft is in editorial preparation. This amendment extends Serial Bus to speeds in the range of 800 Mbps to 1600 Mbps and provides for fiber-optic media. Contact David Wooten, DW@Cypress.com, for details.

IEEE P1394.1, High Performance Serial Bus Bridges, has just completed its Sponsor Ballot and, technically, meets IEEE criteria for approval. Because of significant comments received, a BRC and eventual recirculation ballot are anticipated this year. Contact PJohansson@ACM.org for details.

IEEE P1394.3, Peer to Peer Data Transport, a protocol built upon SBP-2, also completed its Sponsor Ballot. The BRC is being formed. Contact Alan\_Berkema@HP.com for details.

The 1394 Trade Association Wireless working group is developing a "protocol adaption layer" (PAL) to enable IEEE 1394 applications to interoperate with like applications in IEEE P802.11e devices. Some of the work is active in the IEEE P802.11e (quality of service) working group. Contact Steve.Bard@intel.com for details.

### **12.5 SCSI Trade Association (STA) [Jones/Aloisi]**

Paul Aloisi reported on the activities of STA and provided an electronic report that can be found in 01-232r0.

### **12.6 IETF SCSI over IP [Black/Robinson]**

Roger Cummings reported that the SNIA IP Storage Forum has identified several issues with login and text commands. The next IETF meeting is in London during the week of August 5. There is an interim meeting on FCIP and iFCP as well as iSCSI Security on 27 & 28 August.

### **12.7 NCITS H2 (Database Languages) [Hare]**

In the absence of Mr. Hare, no report was available.

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

- 420) John Lohmeyer will request the T11 chair to appoint a liaison to T10.
- 421) John Lohmeyer will respond to Jim Ryland that T10 respectfully declines to accept ownership of the T12 FDDI standards.
- 422) John Lohmeyer will notify NCITS that T10 recommends closing project 1364 (RMC) due to lack of resources to pursue the project.
- 423) John Lohmeyer will conduct a letter ballot on forwarding SSM rev 4a to public review.
- 424) John Lohmeyer will forward 01-095r1 to NCITS for further processing as new project proposal for SCSI Management Server Commands (MSC) under the old rules.
- 425) John Lohmeyer will forward 01-160r0 to NCITS for further processing as new project proposal for SCSI RDMA Protocol - 2 (SRP-2).
- 426) John Lohmeyer will forward 01-144r1 to NCITS for further processing as new project proposal for SCSI Parallel Interface - 5 (SPI-5).
- 427) John Lohmeyer will forward SPC-2 revision 20 to NCITS for final processing, indicating that the public review comments have been resolved without making substantive changes to SPC-2.
- 428) John Lohmeyer will send formal response letters to those people who had submitted public review comments on SPC-2..
- 429) John Lohmeyer will forward 01-194r3 to NCITS as the resolution for the SPC-2 public review comments.

### 14. Meeting Schedule

The next plenary meeting of T10 will be September 13, 2001 in Huntington Beach, CA at the Hilton Waterfront Hotel (714-960-7873), hosted by QLogic. The meeting will begin at 9:00 a.m. on Thursday.

The meeting list for the next plenary week is:

		September '01 Meeting Map													
		(2001/07/20 Version)													
Monday 9/10		9	10	11	12	1	2	3	4	5	6	7	8	9	
		+-----+													
		SAM-2 Edit / T10 Editors / SPI-4 Edit													(10)
		+-----+													
		SDV WG					FCP-2 PR Res								(15)
		+-----+													
		SSC-2 WG													(20)
		+-----+													
Tuesday 9/11	8	9	10	11	12	1	2	3	4	5	6	7	8	9	
		+-----+													
		Parallel SCSI WG													(35)
		+-----+													
		SBP-3 WG													(15)
		+-----+													
		T11 ad hocs													(15)
		+-----+													
Wednesday 9/12		9	10	11	12	1	2	3	4	5	6	7	8	9	
		+-----+													
		SCSI Commands, Arch., & Protocol WG													(35)
		+-----+													
		MMC WG													(10)
		+-----+													
		SBP-3 WG													(15)
		+-----+													
		STA Tech					SFF SSWG/								(15)
		+-----+													
		STA Marcom													(15)
		+-----+													
Thursday 9/13	8	9	10	11	12	1	2	3	4	5	6	7	8		
		+-----+													
		CAP WG		T10 Plenary			SRP WG (*)								(35/50/20)
		+-----+													
		SCSI Trade Assoc													(25)
		+-----+													
		(*) - Meeting begins 1 hour after T10 meeting													
Friday 9/14	8	9	10	11	12	1	2	3	4	5					
		+-----+													
		SRP WG										(15)			
		+-----+													

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

Other T10-authorized meetings:

Meeting	Date	Location / Contact
PIP WG	8/14-15/01	S. California / TI
SSM WG	8/15-16/01	S. California / TI
SBP-3 WG	8/22-23/01	Cupertino, CA
SBP-3 WG	10/2-5/01	Durham, NH
SST WG	10/10/01	San Diego / T11
PIP WG	10/23-24/01	Colorado Springs, CO / LSI
SSM WG	10/24-25/01	Colorado Springs, CO /LSI
Meetings below here are tentative and have not been approved yet.		
PIP WG	12/11-12/01	Guadalajara, MX / JPM
SSM WG	12/12-13/01	Guadalajara, MX / JPM

## Meeting Map Abbreviation Key:

Amnd: Amendment

CAP: Commands, Architecture, and Protocols

DVD: Digital Versatile Device (not an NCITS activity)

EPI: SCSI Enhanced Parallel Interface (Technical Report)

Fast-20: Data Transfer at 20 Mega-transfers/sec. (a.k.a., Ultra)

Fast-40: Data Transfer at 40 Mega-transfers/sec. (a.k.a., Ultra2)

Fast-80: Data Transfer at 80 Mega-transfers/sec. (a.k.a., Ultra3,Ultra160)

Fast-160: Data Transfer at 160 Mega-transfers/sec. (a.k.a., Ultra320)

FC: Fibre Channel

FCIP: Fibre Channel over Internet Protocol

Harbor: A project on defining a wrapper for physical devices

I/F: Interface

IETF: Internet Engineering Task Force (the group that sets Internet standards)

iFC: Internet Fibre Channel

IPS: Internet Protocol SCSI

iSCSI: Internet SCSI

LB: Letter Ballot

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

OSD: Object-based Storage Device

Par.: Parallel (e.g., SPI-n, Domain Validation)

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

PIP: (SCSI) Passive Interconnect Performance

Plenary: Full Committee Meeting

Res: Resolution

SBC-2: SCSI Block Commands - 2

SCSI: Small Computer System Interface

SDV: SCSI Domain Validation (Technical Report)

SES: SCSI Enclosure Services

SFF: SFF Industry Group (not an NCITS activity)

SG: Study Group

SMC-2: SCSI Medium Changer - 2 Commands

SPC-2: SCSI Primary Commands - 2 (2nd generation)

SPI-4: Fourth Generation SCSI Parallel Interface

SRP: SCSI RDMA Protocol (was SVP)

SSC-2: SCSI Stream Commands - 2 (includes Tape)

SSM: SCSI Signal Modeling

SST: SCSI on Scheduled Transfer (ST)

SSWGs: Specific-Subject Working Groups

STA: 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

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@ix.netcom.com
PIP	Zane Daggett	(603) 669-4347 x236 zdaggett@hcm.hitachi.com
FCP-2, SES	Robert Snively	(408) 487-8135 rsnively@brocade.com
SBC-2	Rob Elliott	(281) 518-5037 Robert.Elliott@compaq.com
MMC-2, MMC-3	Bill McFerrin	(303) 651-5400 bill.mcferrin@cdedge.com
SBP-2 or RBC	Pete McLean	(303) 678-2149 pete_mclean@maxtor.com
SBP-2, SBP-3	Peter Johansson	(510) 527-3926 PJohansson@ACM.org
SCC-2, SPI-3, SPI-4	George Penokie	(507) 253-5208 gpenokie@tivoli.com
SDV	open	
SMC, SMC-2	Erich Oetting	(303) 673-2178 Erich_Oetting@Stortek.com
SPC-2, SPC-3, SAM-2, OSD	Ralph Weber	(214) 912-1373 roweber@acm.org
SSC, SSC-2	Dave Peterson	(612) 802-3299 dap@cisco.com
SSM, SSM-2	Larry Barnes	(719) 533-7432 larry.barnes@lsil.com
SRP (was SVP)	Ed Gardner	(719) 593-8866 eag@ophidian.com
SST	Don Woelz	(262) 644-2505 don@genroco.com
Other Activities	John Lohmeyer	(719) 533-7560 lohmeier@t10.org



The long-term T10 meeting week schedule is:

Date	Location	Host/Comments
Sep 10-14, 2001	Huntington Beach, CA	QLogic
Nov 5-9, 2001	Monterey, CA	Adaptec
Jan 14-18, 2002	Houston, TX	Compaq
Mar 11-15, 2002	Dallas, TX	T.I.
May 6-10, 2002	Nashua, NH	Hitachi Cable
Jul 15-19, 2002	Colorado Springs, CO	LSI Logic
Sep 9-13, 2002	Sacramento, CA	Adaptec
Nov 4-8, 2002	Huntington Beach, CA	QLogic
The dates below here are approved; locations and hosts are tentative.		
Jan 13-17, 2003	Portland, OR	Intel (?)
Mar 10-14, 2003	Dallas, TX	T.I.
May 5-9, 2003	Nashua, NH	Hitachi Cable (?)
Jul 14-18, 2003	Colorado Springs, CO	LSI Logic
Sep 8-12, 2003	Seattle, WA	Microsoft
Nov 3-7, 2003	Austin, TX	Crossroads

#### 14.1 Authorization of Working Group Meetings

John noted that the working group meetings are required to operate under the same voting procedures as does T10 (that is, one vote per organization) and the results of a working group are not binding on the parent committee. Ad hoc groups should strive to achieve consensus prior to bringing issues to T10.

Erich Oetting moved that T10 authorize the T10-related meetings and events in the list above that had not previously been approved through the end of October 2001. Mark Evans seconded the motion. In the absence of any objections, the motion passed unanimously.

#### 15. Adjournment

The meeting was adjourned at 12:30 p.m. on Thursday July 19, 2001.

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

Name	S	Organization	Electronic Mail Address
Mr. Ron Roberts	P	Adaptec, Inc.	Ron_Roberts@adaptec.com
Mr. Ward Winburn	A	Ancot Corp.	ward@ancot.com
Dr. Claudio DeSanti	P	Andiamo Systems, Inc.	cds@andiamo.com
Mr. Robert Snively	P	Brocade Comm. Systems, Inc.	rsnively@brocade.com
Mr. Robert C. Elliott	P	Compaq Computer Corp.	Robert.Elliott@compaq.com
Mr. Peter Johansson	P	Congruent Software, Inc.	PJohansson@ACM.org
Mr. Robert Griswold	P	Crossroads Systems, Inc.	rgriswold@crossroads.com
Mr. Ronald Stockford	A	Dell Computer Corp.	ron_stockford@dell.com
Mr. Ralph O. Weber	P	ENDL Texas	roweber@acm.org
Mr. Joe Breher	P	Exabyte Corp.	joebre@exabyte.com
Mr. Douglas Wagner	P	FCI	dwagner@fciconnect.com
Mr. Steve Wong	A#	FCI	sywong@fciconnect.com
Mr. Eugene Lew	P	Fujitsu	elew@fcpa.fujitsu.com
Mr. Tim Mackley	A	General Dynamics	timothy.a.mackley@gd-is.com
Mr. Bill Hooper	A	Hewlett Packard Co.	bill_hooper@hp.com
Mr. Zane Daggett	P	Hitachi Cable Manchester	zdaggett@hcm.hitachi.com
Mr. Randy Wasycak	A	Hitachi Cable Manchester	rwasycak@hcm.hitachi.com
Mr. George O. Penokie	P	IBM / Tivoli Systems	gpenokie@tivoli.com
Mr. Dan Colegrove	V	IBM Corp.	dcolegro@us.ibm.com
Dr. Jim Hafner	V	IBM Corp.	hafner@almaden.ibm.com
Mr. Cris Simpson	P	Intel Corp.	cris.simpson@intel.com
Mr. Dennis Moore	P	KnowledgeTek, Inc.	dmoore@ix.netcom.com
Mr. Louis Grantham	AV	Linfinity Micro	lgrantham@linfinity.com
Mr. Mark Evans	P	Maxtor Corp.	mark_evans@maxtor.com
Mr. Rob Haydt	A	Microsoft Corp.	robhay@microsoft.com
Mr. Glen Griessler	A	Molex Inc.	ggriessler@molex.com
Mr. Charles Monia	P	Nishan Systems Inc.	cmonia@nishansystems.com
Mr. Edward A. Gardner	P	Ophidian Designs	eag@ophidian.com
Dr. Terence J. Nelson	P	Panasonic Technologies, Inc	terry@tjnelson.com
Mr. William P. McFerrin	P	Philips Electronics/CD Edge	bill.mcferrin@cdedge.com
Mr. Charles Binford	P	Pirus Networks	charles.binford@pirus.com
Mr. Skip Jones	P	QLogic Corp.	skip.jones@qlogic.com
Mr. Gerald Maurer	V	QLogic Corp.	gerald.maurer@qlogic.com
Mr. Paul Entzel	P	Quantum Corp.	paul.entzel@quantum.com
Mr. Dwayne Edling	V	Quantum Corp.	dwayne.edling@quantum.com
Mr. Gerald Houlder	P	Seagate Technology	gerry_houlder@seagate.com
Mr. A. Bruce Manildi	A	Seagate Technology	bruce_manildi@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. Tasuku Kasebayashi	P	Toshiba America Elec. Comp.	task.kasebayashi@taec.toshiba.com
Mr. Charles Brill	P	TycoElectronics	cbrill@tycoelectronics.com
Mr. Roger Cummings	P	Veritas Software	roger.cummings@veritas.com
Mr. Doug Piper	P	Woven Electronics	doug.piper@wovenelectronics.com

44 People Present

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

**Enclosure(2) -- T10 Attendance Database**

Generated on 2001/07/24 at 21:19:46

Mr. Ron Roberts (P) Phone: (408) 957-5640  
Adaptec, Inc. Fax: (530) 677-1218  
691 S. Milpitas Blvd. Email: Ron\_Roberts@adaptec.com  
Milpitas, CA 95035

Mr. Ram Rangarajan (AV) Phone: (408) 383-5719  
Advansys Fax: (408) 383-9612  
1150 Ringwood Ct. Email: rrangarajan@advansys.com  
San Jose, CA 95131

Mr. Steven P. Ego (AV) Phone: (512) 258-2303  
Aeronics Inc. Fax: (512) 258-4392  
12741 Research Blvd #500 Email:  
Austin, TX 78759

Mr. Litko Chan (AV) Phone: (408) 970-3020  
Agilent Technologies Fax:  
3175 Bowers Ave., MS 88R Email: lito\_chan@agilent.com  
Santa Clara, CA 95054

Mr. Matt Wakeley (AV) Phone: (916) 788-5670  
Agilent Technologies Fax:  
1101 Creekside Ridge Dr #100 Email: matt\_wakeley@agilent.com  
P.O. Box 619051  
Roseville, CA 95661-9051

Ms. Bonnie Rose (AV) Phone: (416) 291-4401 x2239  
Amphenol Canada Corp. Fax: (416) 292-0647  
20 Melford Dr. Email: brose@cosmosgroup.com  
Scarborough, Ontario  
Canada M1B 2X6

Mr. Bill Mable (P) Phone: (607) 786-4287  
Amphenol Interconnect Fax: (607) 786-4311  
20 Valley St. Email: mableaipc@aol.com  
Endicott, NY 13760

Mr. Michael Wingard (A) Phone: (607) 786-4241  
Amphenol Interconnect Fax: (607) 786-4311  
20 Valley St. Email: mikwingard@aol.com  
Endicott, NY 13760

Mr. Bart Raudebaugh (P) Phone: (415) 322-5322  
Ancot Corp. Fax: (415) 322-0455  
115 Constitution Dr. Email: bart@ancot.com  
Menlo Park, CA 94025

Mr. Ward Winburn (A) Phone: (650) 322-5322  
Ancot Corp. Fax: (650) 322-0455

115 Constitution Dr.  
Menlo Park, CA 94025

Email: ward@ancot.com

Dr. Claudio DeSanti (P)  
Andiamo Systems, Inc.  
375 E. Tasman Dr.  
San Jose, CA 95134

Phone: (408) 853-9172  
Fax: (408) 853-9172  
Email: cds@andiamo.com

Mr. Dinesh Dutt (A)  
Andiamo Systems, Inc.  
375 E. Tasman Dr.  
San Jose, CA 95134

Phone: (408) 527-0955  
Fax: (408) 527-0955  
Email: ddutt@andiamo.com

Mr. Harlan Andrews (AV)  
Apple Computer  
6 Infinite Loop MS 306-2MS  
Cupertino, CA. 95014

Phone: (408) 974-6430  
Fax: (408) 862-7577  
Email: hea@apple.com

Mr. James R. Bergsten (AV)  
Ark Research Corp.  
1190 Saratoga Ave. #110  
San Jose, CA 95129-3433

Phone: (408) 260-5900  
Fax: (408) 260-5908  
Email: bergsten@arkres.com

Mr. Vince Bastiani (A)  
Bass Technology Consulting  
49380 Mission Drive West  
La Quita, CA 92253

Phone: (760) 777-1550  
Fax:  
Email: bass.tech@gte.net

Mr. Brian A. Berg (AV)  
Berg Software Design  
P.O. Box 3488  
14500 Big Basin Way, Suite F  
Saratoga, CA 95070

Phone: (408) 741-5010  
Fax: (408) 741-5234  
Email: bberg@bswd.com

Mr. Bill Galloway (P)  
BREA Technologies, Inc.  
14902 Mesita Dr.  
Houston, TX 77083

Phone: (281) 530-3063  
Fax: (281) 988-0358  
Email: billg@breatech.com

Mr. Robert Snively (P)  
Brocade Comm. Systems, Inc.  
1745 Technology Drive  
San Jose, CA 95110

Phone: (408) 487-8135  
Fax: (408) 392-6676  
Email: rsnively@brocade.com

Mr. Joseph Basista (AV)  
C&M Corp.  
49 Middle Road  
Owego, NY 13827

Phone: (607) 687-1044  
Fax: (607) 687-7534  
Email: joebasista@aol.com

Mr. Gerry Johnsen (AV)

Phone: (612) 551-4000

Ciprico Inc.  
2800 Campus Dr. Suite 60  
Plymouth, MN 55441

Fax: (612) 551-4002  
Email: gerry@ciprico.com

Mr. Leroy Fong (AV)  
Circuit Assembly Corp.  
18 Thomas St.  
Irvine, CA 92618

Phone: (949) 855-7887  
Fax: (949) 837-8660  
Email: leroyf@circuitassembly.com

Mr. Dennis Lang (AV)  
Circuit Assembly Corp.  
18 Thomas St.  
Irvine, CA 92618

Phone: (949) 855-7887  
Fax: (949) 855-4298  
Email: dennisl@circuitassembly.com

Mr. Ian Morrell (AV)  
Circuit Assembly Corp.  
18 Thomas St.  
Irvine, CA 92718-2703

Phone: (949) 598-1780  
Fax: (949) 855-4298  
Email: ianm@circuitassembly.com

Mr. Ben Chang (AV)  
Cirrus Logic Inc.  
3100 W. Warren Ave.  
Fremont, Ca 94538

Phone: (510) 226-2394  
Fax:  
Email: ben@corp.cirrus.com

Mr. David Peterson (P)  
Cisco Systems, Inc.  
6450 Wedgwood Road  
Maple Grove, MN 55311

Phone: (612) 802-3299  
Fax: (763) 398-1001  
Email: dap@cisco.com

Mr. Edward Haske (AV)  
CMD Technology  
1 Vanderbilt  
Irvine, CA 92718

Phone: (949) 454-0800  
Fax: (949) 455-1656  
Email: haske@cmd.com

Mr. Robert C. Elliott (P)  
Compaq Computer Corp.  
MS 120810  
PO Box 692000  
Houston, TX 77269-2000

Phone: (281) 518-5037  
Fax: (281) 518-7135  
Email: Robert.Elliott@compaq.com

Dr. William Ham (A)  
Compaq Computer Corp.  
SHR3-2/W04  
334 South Street  
Shrewsbury, MA 01545

Phone: (978) 828-9102  
Fax: (508) 841-5266  
Email: bill\_ham@ix.netcom.com

Mr. Peter Johansson (P)  
Congruent Software, Inc.  
98 Colorado Avenue  
Berkeley, CA 94707

Phone: (510) 527-3926  
Fax: (510) 527-3856  
Email: PJohansson@ACM.org

Mr. Robert Griswold (P) Phone: (512) 928-7272  
Crossroads Systems, Inc. Fax: (512) 928-7403  
8300 N. Mopac Blvd. Email: rgriswold@crossroads.com  
Austin, TX 78759

Mr. John Tyndall (A) Phone:  
Crossroads Systems, Inc. Fax:  
8300 North Mopac Expressway Email: jtyndall@crossroads.com  
Austin, TX 78749

Mr. Charles Tashbook (P) Phone: (972) 371-4110  
Dallas Semiconductor Fax: (972) 371-3715  
4401 S. Beltwood Pkwy. Email: charles.tashbook@dalsemi.com  
Dallas, TX 75244-3292

Mr. Titkwan Hui (A) Phone: (972) 371-4340  
Dallas Semiconductor Fax: (972) 371-4370  
4401 S. Beltwood Pkwy. Email: tk.hui@dalsemi.com  
Dallas, TX 75244-3292

Mr. Bill Anderson (AV) Phone: (408) 980-8344  
DDK Electronics Fax: (408) 980-9750  
3001 Oakmead Village Dr. Email: bill\_anderson@ddkconnectors.com  
Santa Clara, CA 95051

Mr. Kevin Marks (P) Phone: (512) 723-8784  
Dell Computer Corp. Fax: (512) 723-6657  
One Dell Way Email: kevin\_marks@dell.com  
Round Rock, TX 78682

Mr. Ronald Stockford (A) Phone: (512) 728-2636  
Dell Computer Corp. Fax: (512) 289-1111  
One Dell Way Email: ron\_stockford@dell.com  
MS 8530  
Round Rock, TX 78682

Mr. James Benfer (AV) Phone: (301) 498-0200  
Digi-Data Corp. Fax:  
8580 Dorsey Run Road Email:  
Jessup, MD 20794

Mr. Robert Reisch (AV) Phone: (716) 588-0573  
Eastman Kodak Co. Fax: (716) 588-2624  
460 Buffalo Road Email: reisch@kodak.com  
Rochester, NY 14652-3816

Mr. Terry Maezawa (AV) Phone: (404) 487-5815  
Electronic&Ind. Enterprises Fax:  
Suite 216 Email:  
21 Eastbrook Bend  
Peachtree City, GA 30269

Mr. Gary S. Robinson (P) Phone: (508) 435-1000 x21610  
EMC Fax:  
228 South St. Email: robinson\_gary@emc.com  
Hopkinton, MA 01748

Mr. David Black (A) Phone: (508) 435-1000 x75140  
EMC Corp. Fax: (508) 497-6909  
42 South St. Email: black\_david@emc.com  
Hopkinton, MA 01748

Mr. Robert H. Nixon (P) Phone: (714) 513-8117  
Emulex Fax: (714) 513-8265  
3535 Harbor Blvd Email: bob.nixon@emulex.com  
Costa Mesa, CA 92626

Mr. I. Dal Allan (A) Phone: (408) 867-6630  
ENDL Fax: (408) 867-2115  
14426 Black Walnut Ct. Email: endlcom@acm.org  
Saratoga, CA 95070

Mr. Ralph O. Weber (P) Phone: (214) 912-1373  
ENDL Texas Fax: (972) 596-2775  
Suite 102#178 Email: roweber@acm.org  
18484 Preston Rd.  
Dallas, TX 75252

Mr. Alan Johnson (AV) Phone:  
Eurologic Systems Ltd. Fax: 43 53 1 206 1200  
South County Business Park Email: ajohnson@eurologic.com  
Leopardstown  
County Dublin Ireland

Mr. Joe Breher (P) Phone: (303) 417-5897  
Exabyte Corp. Fax: (303) 417-7829  
1685 38th Street Email: joebre@exabyte.com  
Boulder, CO 80301

Mr. Carl Mazingo (A) Phone:  
Exabyte Corp. Fax:  
1685 38th Street Email: carlm@exabyte.com  
Boulder, CO 80301

Mr. Douglas Wagner (P) Phone: (805) 498-0325  
FCI Fax: (805) 498-0702  
472 Delwood Ct. Email: dwagner@fciconnect.com  
Newbury Park, CA 91320-4819

Mr. Jim Koser (A) Phone: (717) 938-7679  
FCI Fax: (717) 938-7991  
825 Old Trail Road Email: jkoser@fciconnect.com  
Etters, PA 17319



Mr. Steve Wong (A#)  
FCI  
5700 Warland Dr.  
Cypress, CA 90630  
Phone: (562) 356-2527  
Fax: (562) 356-2520  
Email: sywong@fciconnect.com

Mr. Julian Ferry (AV)  
Foxconn I/O  
140 Coffeetown Rd.  
Dillsburg, PA 17019  
Phone: (717) 502-0784  
Fax: (717) 502-1474  
Email: julferry@aol.com

Mr. Stephen Jarvis (AV)  
Foxconn I/O  
6125 Phyllis Drive  
Cypress, CA 90630  
Phone: (714) 890-8628 x230  
Fax: (714) 892-8668  
Email: s.jarvis@foxconn.com

Mr. Don Soracco (AV)  
Foxconn I/O  
60 Pond St.  
Dunstable, MA 01827  
Phone: (978) 649-9997  
Fax: (978) 649-9797  
Email:

Mr. Eugene Lew (P)  
Fujitsu  
2904 Orchard Pkwy  
San Jose, CA 95134  
Phone: (408) 894-3874  
Fax:  
Email: elew@fcpa.fujitsu.com

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

Mr. Mike Fitzpatrick (AV)  
Fujitsu  
2904 Orchard Pkwy.  
San Jose, CA 95134  
Phone: (405) 755-7177  
Fax: (405) 755-8073  
Email: mfitzpatrick@fcpa.fujitsu.com

Mr. Kazuo Nakashima (AV)  
Fujitsu Computer Products, Am  
2904 Orchard Parkway  
San Jose, CA 95134  
Phone: (408) 894-3849  
Fax: (408) 894-3907  
Email: knakashima@fcpa.fujitsu.com

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

Mr. Nathan Hastad (P)  
General Dynamics  
8800 Queen Ave. S.  
Phone: (952) 921-6635  
Fax: (952) 921-6345  
Email: nathan.j.hastad@gd-is.com

Bloomington, MN 55431

Mr. Tim Mackley (A)  
General Dynamics  
8800 Queen Ave. S.  
Bloomington, MN 55431

Phone: (952) 921-6866  
Fax:  
Email: timothy.a.mackley@gd-is.com

Mr. Donald Woelz (P)  
Genroco, Inc.  
255 Info Highway  
Slinger, WI 53086

Phone: (262) 644-2505  
Fax: (262) 644-6667  
Email: don@genroco.com

Mr. Pak Chan (AV)  
Gigalabs Inc.  
290 Santa Ana Court  
Sunnyvale, CA 94086

Phone: (408) 481-3030  
Fax: (408) 481-3045  
Email: pchan@giglabs.com

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

Phone:  
Fax:  
Email:

Mr. Rodger Burke (AV)  
Harting, Inc. of N. America  
1370 Bowes Road  
Elgin, IL 60123

Phone: (847) 741-1500 x286  
Fax: (847) 741-8257  
Email: Rodger.Burke@harting.com

Mr. Randy Haagens (P)  
Hewlett Packard Co.  
8000 Foothills Blvd. MS 5668  
Roseville, CA 95747

Phone: (916) 785-4578  
Fax: (916) 785-0391  
Email: randy\_haagens@hp.com

Mr. Bill Hooper (A)  
Hewlett Packard Co.  
8000 Foothills Blvd.  
Roseville, CA 95747

Phone: (916) 785-5135  
Fax: (916) 785-4176  
Email: bill\_hooper@hp.com

Mr. Chuck Rice (A#)  
Hewlett Packard Co.  
18110 SE 34th Street  
Vancouver, WA 98683

Phone: (360) 212-0348  
Fax:  
Email: chuck\_rice2@vcd.hp.com

Mr. Brad Culp (AV)  
Hewlett Packard Co.  
700 71st. Ave.  
Greeley, CO 80631

Phone: (970) 350-4592  
Fax: (970) 352-3524  
Email: brad-culp@hp.com

Mr. Steve Krupa (AV)  
Hewlett Packard Co.

Phone:  
Fax:

Filton Road  
Stoke Gifford  
Bristol BS12 6QZ England

Email:

Mr. Zane Daggett (P)  
Hitachi Cable Manchester  
900 Holt Ave.  
Manchester, NH 03109

Phone: (603) 669-4347 x236  
Fax: (603) 669-9621  
Email: zdaggett@hcm.hitachi.com

Mr. Randy Wasycak (A)  
Hitachi Cable Manchester  
900 Holt Ave.  
Manchester, NH 03109-5604

Phone: (603) 669-4347 x349  
Fax: (603) 669-9621  
Email: rwasycak@hcm.hitachi.com

Mr. Hitoshi Ogawa (AV)  
Hitachi Ltd.  
Systems Development Lab  
292 Yoshida-Cho  
Yokohama-Shi 244 Japan

Phone: 1181-45881-1241  
Fax: 1181-45860-1674  
Email: hogawa@yokolab.sdl.hitachi.co.jp

Mr. Anthony Yang (AV)  
Hitachi Storage Products  
1971 Milmont Drive  
Milpitas, CA 95035

Phone: (408) 941-7048  
Fax: (408) 946-1062  
Email: anthony.yang@hal.hitachi.com

Mr. Terry Enright (AV)  
Honda Connectors  
960 Corporate Woods Parkway  
Vernon Hill, IL 60061

Phone: (847) 913-9566  
Fax: (847) 913-9587  
Email:

Mr. Thomas J. Kulesza (AV)  
Honda Connectors  
960 Corporate Woods Parkway  
Vernon Hill, IL 60061

Phone: (847) 913-9566  
Fax: (847) 913-9587  
Email: tkulesza@hondaconnectors.com

Mr. George O. Penokie (P)  
IBM / Tivoli Systems  
MS 2C6  
3605 Highway 52 N.  
Rochester, MN 55901

Phone: (507) 253-5208  
Fax: (507) 253-2880  
Email: gpenokie@tivoli.com

Mr. John P. Scheible (A)  
IBM Corp.  
Bldg 815 MS 4051  
11400 Burnett Rd.  
Austin, TX 78758

Phone: (512) 918-3187  
Fax: (512) 823-0758  
Email: Scheible@vnet.ibm.com

Mr. Robert Basham (AV)  
IBM Corp.  
65U/031-Z  
9000 S. Rita Rd.  
Tucson, AZ 85744

Phone: (520) 799-4923  
Fax:  
Email: robbyb@us.ibm.com

Mr. Bill Troop (AV)

Phone: (919) 254-2695

IBM Corp.  
3039 Cornwallis Rd.  
MS: FROA/B205  
RTP, NC 27709

Fax:  
Email: troop@us.ibm.com

Mr. Cris Simpson (P)  
Intel Corp.  
2111 N.E. 25th Ave.  
JF5-355  
Hillsboro, OR 97124

Phone: (503) 712-4333  
Fax: (503) 712-2200  
Email: cris.simpson@intel.com

Mr. Tim Bradshaw (P)  
Iomega Corp.  
1821 Iomega Way  
Roy, UT 84067

Phone: (801) 332-4262  
Fax: (801) 778-4170  
Email: bradshat@iomega.com

Mr. Darrell Redford (A)  
Iomega Corp.  
1821 West Iomega Way  
Roy, UT 84067

Phone: (801) 778-4432  
Fax: (801) 778-4170  
Email: redfordd@iomega.com

Mr. David L. Jolley (A#)  
Iomega Corporation  
1821 West Iomega Way  
Roy, UT 84067

Phone: (801) 778-3641  
Fax: (801) 778-5261  
Email: jolley@iomega.com

Mr. Dennis Moore (P)  
KnowledgeTek, Inc.  
7230 West 119th Pl, Suite C  
Broomfield, CO 80020

Phone: (303) 465-1800  
Fax: (303) 426-1350  
Email: dmoore@ix.netcom.com

Mr. Hayden Smith (AV)  
Lasercard Systems Corp.  
2644 Bayshore Parkway  
Mountain View, CA 94043

Phone: (650) 969-4428  
Fax: (650) 967-6524  
Email: hsmith@lasercard.com

Mr. Louis Grantham (AV)  
Linfinity Micro  
101 W. McDermott  
Allen, TX 75013

Phone: (972) 396-7002  
Fax: (972) 396-7533  
Email: lgrantham@linfinity.com

Mr. John Lohmeyer (P)  
LSI Logic Corp.  
4420 ArrowsWest Dr.  
Colorado Springs, CO 80907

Phone: (719) 533-7560  
Fax: (719) 533-7183  
Email: lohmeyer@t10.org

Mr. William Petty (A)  
LSI Logic Corp.  
4420 ArrowsWest Dr.  
Colorado Springs, CO 80907

Phone: (719) 533-7461  
Fax: (719) 533-7180  
Email: william.petty@lsil.com

Ms. Jie Fan (A) Phone: (508) 752-2884 x306  
Madison Cable Corp. Fax: (508) 752-4230  
125 Goddard Memorial Dr. Email: jie.fan@madisoncable.com  
Worcester, MA 01603

Mr. Chuck Grant (A#) Phone: (508) 752-2884 x725  
Madison Cable Corp. Fax: (508) 752-4230  
125 Goddard Memorial Drive Email: cgrant@madisoncable.com  
Worcester, MA 01603

Mr. Takaharu Ai (AV) Phone: +81-6-6906-2330  
Matsushita Elec. Indust. Co. Fax: +81-6-906-1549  
4-16-12 Email: aiai@dtd.mei.co.jp  
Matsuo-cho  
Kadoma, Osaka 571-8504 Japan

Mr. Hiroshi Ueda (AV) Phone: +81-6-6900 9259  
Matsushita Electric Fax:  
1006 Kadoma Kadoma-shi Email: hueda@isl.mei.co.jp  
Osaka, Japan

Mr. Mark Evans (P) Phone: (408) 894-5310  
Maxtor Corp. Fax: (408) 324-7432  
500 McCarthy Blvd. Email: mark\_evans@maxtor.com  
Milpitas, CA 95035

Mr. Lance Flake (A#) Phone: (303) 702-3802  
Maxtor Corp. Fax:  
2190 Miller Dr. Email: lance\_flake@maxtor.com  
Longmont, CO 80501

Mr. Pete McLean (A) Phone: (303) 678-2149  
Maxtor Corp. Fax: (303) 678-2165  
2190 Miller Dr. Email: pete\_mclean@maxtor.com  
Longmont, CO 80501

Mr. Charley Riegger (A#) Phone: (408) 432-4571  
Maxtor Corp. Fax: (408) 432-4432  
510 Cottonwood Dr. Email: charles\_riegger@maxtor.com  
Milpitas, CA 95035

Mr. LeRoy Leach (AV) Phone: (303) 678-2828  
Maxtor Corp. Fax: (303) 678-2308  
2190 Miller Dr. Email: leroy\_leach@maxtor.com  
Longmont, CO 80501-6744

Mr. Randy Banton (AV) Phone: (508) 256-1300 x134  
Mercury Computer Fax:  
199 Riverneck Road Email:  
Chelmsford, MA 01824

Mr. Bob Masterson (AV) Phone: (708) 867-9600  
Methode Electronics, Inc. Fax: (708) 867-3149  
7444 West Wilson Ave Email: rwmast@methode.com  
Chicago, IL 60656

Ms. Emily Hill (P) Phone: (425) 705-9595  
Microsoft Corp. Fax: (425) 936-7329  
1 Microsoft Way Email: emhill@microsoft.com  
Redmond, WA 98052

Mr. Rob Haydt (A) Phone: (425) 705-7639  
Microsoft Corp. Fax: (425) 936-7329  
1 Microsoft Way Email: robhay@microsoft.com  
Redmond, WA 98052

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

Mr. Glen Griessler (A) Phone: (630) 527-4536  
Molex Inc. Fax: (630) 969-1352  
2222 Wellington Court Email: ggriessler@molex.com  
Lisle, IL 60532

Mr. Joe Dambach (AV) Phone: (708) 527-4546  
Molex Inc. Fax: (708) 969-1352  
2222 Wellington Court Email: jdambach@molex.com  
Lisle, IL 60532

Mr. Martin Ogbuokiri (AV) Phone: (630) 527-4370  
Molex Inc. Fax: (630) 969-1352  
2222 Wellington Court Email: mogbuokiri@molex.com  
Data Comm  
Lisle, IL 60532

Mr. Richard Wagner (AV) Phone: (508) 791-3161  
Montrose/CDT Fax: (508) 798-8353  
28 Sword Street Email: rwagner@montrose-cdt.com  
Auburn, MA 01501

Mr. Brian McKean (A#) Phone: (303) 381-4246  
Mylex Corp. Fax: (303) 413-0464  
4900 Pearl East Circle #104 Email: brianm@mylexboulder.com  
Boulder, CO 80301-6108

Mr. Dave Ford (AV) Phone: (781) 895-4949 x236  
Network Appliance Fax: (781) 895-1195  
375 Tatted Pond Rd. Email: dford@orca.com  
Waltham, MA 02454

Mr. Charles Monia (P)  
Nishan Systems Inc.  
3850 North First St.  
San Jose, CA 95134  
Phone: (408) 519-3986  
Fax: (408) 435-8385  
Email: cmonia@nishansystems.com

Mr. Joshua Tseng (A)  
Nishan Systems Inc.  
3850 North First Street  
San Jose, CA 95134  
Phone: (408) 519-3749  
Fax: (408) 435-8385  
Email: jtseng@NishanSystems.com

Mr. Gregg Neely (AV)  
NSTOR  
10140 Mesa Rim Rd.  
San Diego, CA 92121  
Phone: (858) 453-9696  
Fax: (858) 453-9294  
Email: greggn@nstor.com

Mr. Edward A. Gardner (P)  
Ophidian Designs  
1262 Hofstead Terrace  
Colorado Springs, CO 80907  
Phone: (719) 593-8866  
Fax: (719) 593-8989  
Email: eag@ophidian.com

Dr. Terence J. Nelson (P)  
Panasonic Technologies, Inc  
167 Maple St.  
New Providence, NJ 07974  
Phone: (908) 464-1652  
Fax: (908) 464-0149  
Email: terry@tjnelson.com

Mr. Rudolf Vitti (A)  
Panasonic Technologies, Inc  
One Panasonic Way  
Panazip 1E-6  
Secaucus, NJ 07094  
Phone: (201) 348-7064  
Fax: (201) 348-7807  
Email: vittir@panasonic.com

Mr. Randall C. Hines (A)  
Philips Electronics  
1860 Lefthand Circle  
Longmont, CO 80501  
Phone: (303) 651-5406  
Fax: (303) 682-3029  
Email: hinesr@worldnet.att.net

Mr. William P. McFerrin (P)  
Philips Electronics/CD Edge  
841 Rocky Mtn Place  
Longmont, CO 80501  
Phone: (720) 320-0790  
Fax:  
Email: bill.mcferrin@cdedge.com

Mr. Frank Fang (AV)  
Philips Semiconductors  
811 E. Argues Ave.  
Sunnyvale, CA 94088-3409  
Phone: (408) 991-3348  
Fax: (408) 991-2600  
Email: frank.fang@philips.com

Mr. Charles Binford (P)  
Pirus Networks  
3450 N. Rock Rd., Suite 301  
Phone: (316) 315-0382 x222  
Fax: (509) 756-4425  
Email: charles.binford@pirus.com

Wichita, KS 67226

Mr. Skip Jones (P) QLogic Corp. 26600 Laguna Hills Dr. Aliso Viejo, CA 92656	Phone: (949) 389-6368 Fax: (949) 389-6114 Email: skip.jones@qlogic.com
Mr. Richard Moore (A#) QLogic Corp. 26600 Laguna Hills Dr. Aliso Viejo, CA 92656	Phone: (949) 389-6232 Fax: (949) 389-6121 Email: richard.moore@qlogic.com
Mr. Dean Wallace (A) QLogic Corp. 26600 Laguna Hills Dr. Aliso Viejo, CA 92656	Phone: (949) 389-6480 Fax: (949) 389-6128 Email: dean.wallace@qlogic.com
Mr. Paul Entzel (P) Quantum Corp. 4001 Discovery Dr. Boulder, CO 80303	Phone: (720) 406-5782 Fax: (720) 406-5762 Email: paul.entzel@quantum.com
Mr. Patrick McGarrah (A) Quantum Corp. 333 South St. Shrewsbury, MA 01545	Phone: (508) 770-6364 Fax: (508) 770-2299 Email: pat.mcgarrah@quantum.com
Mr. John A. Fobel (AV) Rancho Technology, Inc. 10783 Bell Court Rancho Cucamonga, CA 91730	Phone: (909) 987-3966 Fax: (909) 989-2365 Email: johnf@rancho.com
Mr. Yau-Ting Mau (AV) Roxio, Inc. 461 S. Milpitas Blvd. Milpitas, CA 95035	Phone: (408) 957-6831 Fax: Email: yauting.mau@roxio.com
Mr. Yasuyuki Suemori (AV) Sanyo 900 N Arlington Heights Rd. Suite 300 Itasca, IL 60143	Phone: (630) 875-3513 Fax: Email: ysue@sanyosales.com
Mr. Ken-Ichi Kojima (AV) Sanyo Electric Co., Ltd. 180 Ohmori Anpachi-Cho Anpachi-Gun Gifu-Ken 503-01 Japan	Phone: 584-64-4399 Fax: 584-64-5096 Email:
Mr. Gerald Houlder (P) Seagate Technology	Phone: (952) 402-2869 Fax: (952) 402-3471



Mailstop SHK231  
1280 Disc Drive  
Shakopee, MN 55379-1863

Email: gerry\_houlder@seagate.com

Mr. A. Bruce Manildi (A)  
Seagate Technology  
4585 Scotts Valley Dr.  
Scotts Valley, CA 95067

Phone: (831) 439-7229  
Fax: (831) 438-8608  
Email: bruce\_manildi@seagate.com

Mr. Jon P. Baker (AV)  
Seagate Technology  
10323 W. Reno Ave.  
Oklahoma City, OK 73116

Phone: (405) 324-3591  
Fax:  
Email: jon\_baker@seagate.com

Mr. Daniel F. Smith (AV)  
Seagate Technology  
4585 Scotts Valley Dr.  
Scotts Valley, CA 95066-4544

Phone: (831) 439-7146  
Fax: (831) 439-7546  
Email: daniel.f.smith@seagate.com

Mr. Van T. Ton (AV)  
Seagate Technology, LLC  
4585 Scotts Valley Dr.  
Mailstop: SV15D1  
Scotts Valley, CA 95066

Phone: (831) 439-7005  
Fax: (831) 439-7541  
Email: Van.T.Ton@seagate.com

Mr. Yasunori Hiyoshi (AV)  
Seiko Epson Corp.  
Corporate Res & Dev  
3-3-5 Owa Suma-Shi  
Nagano-Ken 392-8502 Japan

Phone:  
Fax:  
Email: yasunori.hiyoshi@exc.epson.co.jp

Mr. Erhard Weiss (AV)  
Siemens Nixdorf  
Department: SNI PC SB ESW  
Burgermeister-Ulrich-St  
D-86199 Augsburg Germany

Phone: 49-821-804-3602  
Fax: 49-821-804-2910  
Email: weiss.abg@sni.de

Mr. Greg Alvey (AV)  
Solution Technology  
P.O. Box 104  
Boulder Creek, CA 95006

Phone: (408) 338-4285  
Fax: (408) 338-4374  
Email: kd6hnm@aol.com

Mr. Joe A. Maciel (AV)  
Sony Electronic  
3300 Zanker Rd. SJ2E2  
San Jose, CA 95134-1901

Phone: (408) 955-5547  
Fax:  
Email: joe.maciel@am.sony.com

Mr. Dennis Pak (AV)  
Sony Electronics, Inc.  
3300 Zanker Rd. MS# SJ-3B2  
San Jose, CA 95134

Phone: (408) 955-5247  
Fax: (408) 955-5066  
Email: dennis\_pak@asd.sel.sony.com

Mr. Jeffrey Schroeder (AV)

Phone: (408) 487-3965

ST Microelectronics  
1060 E. Brokaw Rd.  
San Jose, CA 95131  
Fax: (408) 441-8470  
Email: jeffrey.schroeder@st.com

Mr. Rich Wahler (AV)  
Standard Microsystems Corp.  
300 Kennedy Drive  
Hauppauge, NY 11788  
Phone: (516) 435-6174  
Fax: (516) 724-1505  
Email:

Mr. Erich Oetting (P)  
Storage Technology Corp.  
2270 South 88th St.  
Louisville, CO 80028-0268  
Phone: (303) 673-2178  
Fax: (303) 673-8196  
Email: erich\_oetting@stortek.com

Mr. Doug Charnley (A)  
Storage Technology Corp.  
2270 South 88th St. MS 0211  
Louisville, CO 80028-0211  
Phone: (303) 661-7271  
Fax: (303) 673-8196  
Email: doug\_chnarnley@stortek.com

Mr. Franklin Ng (A#)  
Sun Microsystems Computer Co  
MS NWK02-101  
901 San Antonio Rd.  
Palo Alto, CA 94303  
Phone: (510) 574-9195  
Fax: (510) 574-9501  
Email: franklin.ng@ebay.sun.com

Mr. Kenneth Moe (P)  
Sun Microsystems, Inc.  
7777 Gateway Blvd.  
Mail Stop NWK16-211  
Newark, CA 94560  
Phone: (510) 936-2304  
Fax:  
Email: kenneth.moe@sun.com

Mr. Vit Novak (A)  
Sun Microsystems, Inc.  
Mail Stop 15-46  
2550 Garcia Ave.  
Mountain View, CA 94043-1100  
Phone: (650) 688-9033  
Fax: (650) 688-9265  
Email: vit.novak@sun.com

Mr. Pete Tobias (A#)  
Tandem, a Compaq Company  
Loc 100-03  
10555 Ridgeview Ct.  
Cupertino, CA 95014-0789  
Phone: (408) 285-9913  
Fax: (408) 285-9924  
Email: tobias\_pete@tandem.com

Mr. Ken Plourde (AV)  
Temp Flex Cable, Inc.  
11 Depot St.  
S. Grafton, MA 01560  
Phone: (508) 839-5987  
Fax: (508) 839-4128  
Email: kplourde@templex.com

Mr. Paul D. Aloisi (P)  
Texas Instruments  
50 Phillipe Cote St.  
Manchester, NH 03101  
Phone: (603) 222-8687  
Fax: (603) 222-8700  
Email: Paul\_Aloisi@ti.com

Mr. Donald R. Getty (A) Phone: (408) 246-3100 x41  
Texas Instruments Fax: (408) 246-3101  
Suite 220 Email: donald\_getty@ti.com  
4010 Moorpark Ave.  
San Jose, CA 95117-1843

Mr. Jerry Rossman (AV) Phone: (570) 524-8546  
The JPM Co. Fax: (570) 524-5660  
155 North 15 St. Email: jrossman@jpmco.com  
Lewisburg, PA 17837

Ms. Dora M. Deivert (AV) Phone: (408) 952-3510  
The JPM Company Fax: (408) 435-9775  
2135 Ringwood Ave. Email: dmdeivert@jpmsj.com  
San Jose, CA 95131

Mr. Bill Youngman (AV) Phone: (408) 952-3503  
The JPM Company Fax: (408) 435-1109  
2135 Ringwood Ave. Email: byoungman@jpmsj.com  
San Jose, CA 95131

Mr. Fred Hooper (AV) Phone: (203) 840-0583  
Thomas & Betts Fax: (203) 840-0587  
5 Honeysuckle Dr. Email: fhooper@tycoelectronics.com  
Norwalk, CT 06851

Ms. Tanya Huynh (AV) Phone: (949) 707-2290  
Thomas & Betts Corp. Fax:  
76 Fairbanks Email: tanya\_Huynh@tycoelectronics.com  
Irvine, CA

Mr. Tasuku Kasebayashi (P) Phone: (949) 461-3886  
Toshiba America Elec. Comp. Fax: (949) 458-7815  
35 Hammond Email: task.kasebayashi@taec.toshiba.com  
Irvine, CA 92618-1607

Mr. William C. Terrell (P) Phone: (805) 371-1377  
Troika Networks, Inc. Fax: (805) 371-1344  
2829 Townsgate Rd. Suite 200 Email: terrell@TroikaNetworks.com  
Westlake, CA 91361

Mr. Rick Casaly (A) Phone: (805) 367-2738  
Troika Networks, Inc. Fax:  
2829 Townsgate Rd. Suite 200 Email: rcasaly@troikanetworks.com  
Westlake, CA 91361

Mr. Charles Brill (P) Phone: (717) 986-6489  
TycoElectronics Fax: (717) 592-6222  
Mail Stop 128-051 Email: cbrill@tycoelectronics.com  
PO Box Box 3608  
Harrisburg, PA 17105-3608

Mr. Tom J. Zola (A#)                      Phone: (717) 592-3141  
TycoElectronics                              Fax: (717) 522-3588  
Mail Stop 258-035                              Email: tjzola@tycoelectronics.com  
PO Box 3608  
Harrisburg, PA 17105-3608

Mr. Ron Mathews (AV)                      Phone: (949) 380-5077  
UNISYS Corporation                              Fax: (949) 380-5858  
MV201    Email: ronald.mathews@unisys.com  
25725 Jeronimo Road  
Mission Viejo, CA 92691

Mr. Marq Elliott (AV)                      Phone: (408) 662-7900  
Verisys    Fax:  
335-H Spreckels Dr.                              Email:  
Aptos, CA 95003

Mr. Roger Cummings (P)                      Phone: (407) 531-7257  
Veritas Software                              Fax:  
400 International Parkway                      Email: roger.cummings@veritas.com  
Heathrow, FL 32746

Mr. Ron Martin (A)                          Phone: (407) 531-7621  
Veritas Software                              Fax: (407) 531-7720  
400 International Parkway                      Email: ron.martin@veritas.com  
Heathrow, FL 32746

Mr. Michael G. Kaminski (AV)              Phone: (408) 945-7766  
Volex Inc.    Fax: (408) 945-4360  
835 Sinclair Frontage Road                      Email: Mike\_Kaminski@volex.com  
Milpitas, CA 95035

Mr. Ben Chen (AV)                          Phone:  
Wieson Electronic Co. Ltd.                      Fax:  
    Email:

Mr. Doug Piper (P)                          Phone: (864) 967-1751  
Woven Electronics                              Fax: (864) 963-1761  
PO Box 189    Email: doug.piper@wovenelectronics.com  
Mauldin, SC 29662

Mr. Tom Browning (A)                      Phone: (864) 967-1759  
Woven Electronics                              Fax:  
1001 Old Sage Rd.                              Email: tom.browning@wovenelectronics.com  
Simpsonville, SC 29681

Mr. E.J. Mondor (A)                          Phone: (864) 967-1739  
Woven Electronics                              Fax: (864) 963-1761  
PO Box 189    Email: ej.mondor@wovenelectronics.com  
Mauldin, SC 29662

Mr. Larry Aszmann (AV)  
Xiotech Corp.  
#200  
6509 Flying Cloud Dr.  
Eden Prairie, MN 55344

Phone: (612) 828-5978  
Fax: (612) 828-5990  
Email: laszmann@xiotech.com

Mr. Arnold Limjoco (AV)  
Yamaichi Electronics  
2235 Zanker Rd.  
San Jose, CA 95131

Phone: (408) 456-0797 x134  
Fax: (408) 456-0799  
Email: arnold.l@yeu.com

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

Generated on 2001/07/24 at 21:19:25

T10/01-001R0	Date:	Author:	Mailing: Missing
not used			
T10/01-002R0	Date:	Author:	Mailing: Missing
not used			
T10/01-003R0	Date:	Author:	Mailing: Missing
not used			
T10/01-004R0	Date: 2000/11/14	Author: Rob Elliott	Mailing: 2001_1
Logical unit groups			
T10/01-004R1	Date: 2001/01/24	Author: Dan Mazina and Rob Elliott	Mailing: 2001_1
SPC-3 Logical unit groups			
T10/01-004R2	Date: 2001/05/01	Author: Dan Mazina and Rob Elliott	Mailing: 2001_3
SPC-3 Logical unit groups			
T10/01-005R0	Date: 2001/01/15	Author: Bill Ham	Mailing: 2001_1
Minutes of SDV WG - January 15, 2001			
T10/01-005R1	Date: 2001/03/05	Author: Bill Ham	Mailing: 2001_1
Minutes of SDV WG - January 15, 2001 (aprovd)			
T10/01-006R0	Date: 2001/01/18	Author: Weber & Lohmeyer	Mailing: 2001_1
Minutes of Parallel SCSI WG - January 16, 2001			
T10/01-007R0	Date: 2001/01/18	Author: Weber & Lohmeyer	Mailing: 2001_1
Minutes of SCSI CAP WG - January 17, 2001			
T10/01-007R1	Date: 2001/01/30	Author: Weber & Lohmeyer	Mailing: 2001_1
Minutes of SCSI CAP WG - January 17, 2001			
T10/01-008R0	Date: 2000/11/29	Author: Weber & Lohmeyer	Mailing: 2001_1
Minutes of T10 Plenary Meeting #41 -- January 18, 2001			
T10/01-008R1	Date: 2001/01/30	Author: Weber & Lohmeyer	Mailing: 2001_1
Minutes of T10 Plenary Meeting #41 -- January 18, 2001			
T10/01-009R0	Date: 2000/11/29	Author: Rob Elliott	Mailing: 2001_1
Minutes of the SRP WG - November 29-30, 2000			
T10/01-010R0	Date: 2000/11/28	Author: Rob Elliott	Mailing: 2001_1
SRP asynchronous event reporting			
T10/01-010R1	Date: 2000/12/03	Author: Rob Elliott	Mailing: 2001_1
SRP asynchronous event reporting			
T10/01-011R0	Date: 2000/12/06	Author: Dave Peterson	Mailing: 2001_1
Agenda for SSC-2 WG - December 6, 2000			
T10/01-012R0	Date: 2000/12/06	Author: Joe Breher	Mailing: 2001_1
Minutes of SSC-2 WG - December 6, 2000			

T10/01-013R0 Date: 2000/12/06 Author: Umesh Chandra Mailing: 2001\_1  
U320 Cable Cross Talk Analysis

T10/01-014R0 Date: 2000/12/12 Author: Bruce Manildi Mailing: 2001\_1  
Backplane Characterization Methodology

T10/01-015R0 Date: 2000/12/08 Author: Rob Elliott Mailing: 2001\_1  
Making Target Reset optional in SAM-2

T10/01-015R1 Date: 2001/02/27 Author: Rob Elliott Mailing: 2001\_2  
Making Target Reset optional in SAM-2

T10/01-015R2 Date: 2001/03/07 Author: Rob Elliott Mailing: 2001\_2  
Making Target Reset optional in SAM-2

T10/01-016R0 Date: 2000/12/07 Author: Rob Elliott & Mailing: 2001\_1  
Greg Pellegrino  
Meeting Announcement SRP WG - January 2001

T10/01-017R0 Date: 2000/12/12 Author: Bob Nixon Mailing: 2001\_1  
Minutes of Joint T10/T11.3 WG - December 6, 2000

T10/01-018R0 Date: 2000/12/15 Author: Paul Aloisi Mailing: 2001\_1  
Agenda for SSM WG - Feb 21-22, 2001

T10/01-019R0 Date: 2000/12/12 Author: Bill Ham Mailing: 2001\_1  
Minutes of PIP Working Group - December 12-13, 2000 (draft)

T10/01-019R1 Date: 2001/02/20 Author: Bill Ham Mailing: 2001\_2  
Minutes of PIP Working Group - December 12-13, 2000 (aprvd)

T10/01-020R0 Date: 2000/12/13 Author: Bill Ham Mailing: 2001\_1  
Minutes of SSM Working Group - December 13-14, 2000 (draft)

T10/01-020R1 Date: 2001/02/21 Author: Bill Ham Mailing: 2001\_2  
Minutes of SSM Working Group - December 13-14, 2000 (aprvd)

T10/01-021R0 Date: 2000/12/18 Author: Rob Basham Mailing: 2001\_1  
Switching Between Explicit and Implicit Block Address Models

T10/01-022R0 Date: 2000/12/18 Author: Rob Basham Mailing: 2001\_1  
SPACE and LOCATE Commands in the Explicit Block Address Model

T10/01-023R0 Date: 2000/12/20 Author: Rob Basham Mailing: 2001\_1  
Explicit Block Address Model State Diagram

T10/01-024R0 Date: 2001/01/04 Author: Rob Elliott Mailing: 2001\_1  
Minutes of the SRP WG - January 4-5, 2001 - Houston, TX

T10/01-025R0 Date: 2001/01/03 Author: Rob Elliott Mailing: 2001\_1  
SPC-2 FIRST BURST SIZE definition

T10/01-026R0 Date: 2001/01/12 Author: Rob Elliott Mailing: 2001\_1  
SPC-3 Access Controls LUN conflicts due to transport IDs

T10/01-026R1 Date: 2001/01/23 Author: Rob Elliott Mailing: 2001\_1  
SPC-3 Access Controls LUN conflicts due to transport IDs

T10/01-027R0 Date: 2000/12/22 Author: Robert Griswold Mailing: 2001\_1

Media Serial Number Mode Page Proposal

T10/01-027R1 Date: 2001/05/01 Author: Robert Griswold / Mailing: 2001\_3  
Emily Hill

Media Serial Number VPD Page Proposal

T10/01-027R2 Date: 2001/07/18 Author: Emily Hill Mailing: 2001\_4  
Media Serial Number VPD Page Proposal

T10/01-028R0 Date: 2001/01/03 Author: Greg Pellegrino Mailing: 2001\_1  
and Rob Elliott

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T10/01-028R1 Date: 2001/01/16 Author: Greg Pellegrino Mailing: 2001\_1  
and Rob Elliott

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T10/01-028R2 Date: 2001/02/18 Author: Greg Pellegrino Mailing: 2001\_2  
and Rob Elliott

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T10/01-028R3 Date: 2001/03/05 Author: Greg Pellegrino Mailing: 2001\_2  
and Rob Elliott

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T10/01-028R4 Date: 2001/03/29 Author: Greg Pellegrino Mailing: 2001\_3  
and Rob Elliott

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T10/01-028R5 Date: 2001/06/15 Author: Greg Pellegrino Mailing: 2001\_4  
and Rob Elliott

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T10/01-028R6 Date: 2001/06/20 Author: Greg Pellegrino Mailing: 2001\_4  
and Rob Elliott

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T10/01-029R0 Date: 2001/01/17 Author: Keith Parker Mailing: 2001\_1  
[SSS] SCSI Socket Services status report 2001-01-17

T10/01-030R0 Date: 2001/01/10 Author: Bob Snively Mailing: 2001\_1  
Ballot comment resolution for comments on FCP-2, revision 05

T10/01-030R1 Date: 2001/01/24 Author: Bob Snively Mailing: 2001\_1  
Ballot comment resolution for comments on FCP-2, revision 05

T10/01-030R2 Date: 2001/02/15 Author: Bob Snively Mailing: 2001\_2  
Ballot comment resolution for comments on FCP-2, revision 05

T10/01-030R3 Date: 2001/03/07 Author: Bob Snively Mailing: 2001\_2  
Ballot comment resolution for comments on FCP-2, revision 05

T10/01-031R0 Date: 2001/01/13 Author: Bill Galloway Mailing: 2001\_1  
QAS Handshake Correction

T10/01-032R0 Date: 2001/01/13 Author: Bill Galloway Mailing: 2001\_1  
Additional Flow Control Timings

T10/01-033R0 Date: 2000/12/07 Author: Terry Gibbons Mailing: 2001\_1



## SDV Technical Report - Testing Methods

T10/01-033R1 Date: 2001/02/06 Author: Terry Gibbons Mailing: 2001\_2  
SDV Technical Report - Testing Methods

T10/01-033R2 Date: 2001/03/26 Author: Terry Gibbons Mailing: 2001\_3  
SDV Technical Report - Testing Methods

T10/01-033R3 Date: 2001/05/25 Author: Terry Gibbons Mailing: 2001\_4  
SDV Technical Report (SDVR04) Section 6: Testing Methods

T10/01-034R0 Date: 2001/01/12 Author: George Penokie Mailing: 2001\_1  
Internetwork addressing for SRP

T10/01-034R1 Date: 2001/01/16 Author: George Penokie Mailing: 2001\_2  
Transport of Initiator Identification Across Large Networks

T10/01-035R0 Date: 2001/01/12 Author: Dave Peterson Mailing: 2001\_1  
Draft Agenda of SSC-2 Working Group - January 15, 2001

T10/01-036R0 Date: 2001/01/15 Author: Dave Peterson Mailing: 2001\_1  
Minutes of SSC-2 Working Group - January 15, 2001

T10/01-037R0 Date: 2001/01/12 Author: Kate McMillan Mailing: 2001\_1  
2001 Five-Year Maintenance Review of Standards

T10/01-038R0 Date: 2001/01/12 Author: Cris Simpson Mailing: 2001\_1  
SRP Initiator Inactivity Timeout Proposal

T10/01-038R1 Date: 2001/03/06 Author: Cris Simpson Mailing: 2001\_2  
SRP Initiator Inactivity Timeout Proposal

T10/01-039R0 Date: 2001/01/15 Author: Dave Peterson Mailing: 2001\_1  
Draft Agenda of Joint T10/T11.3 WG - January 15, 2001

T10/01-040R0 Date: 2001/01/23 Author: Bob Nixon Mailing: 2001\_1  
Minutes of Joint T10/T11.3 WG - January 15, 2001

T10/01-041R0 Date: 2001/01/14 Author: Cris Simpson Mailing: 2001\_1  
Intel Patent Policy

T10/01-042R0 Date: 2001/01/14 Author: Wally Bridgewater Mailing: 2001\_1  
Effects of Precomp compared to no Precomp

T10/01-043R0 Date: 2001/01/18 Author: Rob Elliott Mailing: 2001\_1  
Minutes of SRP Working Group Meeting - January 18-19, 2001

T10/01-043R1 Date: 2001/01/29 Author: Rob Elliott Mailing: 2001\_2  
Minutes of SRP Working Group Meeting - January 18-19, 2001

T10/01-044R0 Date: 2001/01/16 Author: Dave Peterson Mailing: 2001\_1  
iSCSI protocol additions to SPC-2

T10/01-045R0 Date: 2001/01/16 Author: Bill Petty Mailing: 2001\_1  
Actual Precompensation Eye Diagrams

T10/01-046R0 Date: 2001/01/17 Author: Roger Cummings Mailing: 2001\_1  
SAN Management and SCSI Mode Pages

T10/01-046R1 Date: 2001/05/02 Author: Roger Cummings Mailing: 2001\_3  
SAN Management & Mode Pages

T10/01-047R0 Date: 2001/01/16 Author: David Black Mailing: 2001\_1  
Preliminary iSCSI Conclusions

T10/01-048R0 Date: 2001/01/17 Author: Julian Satran Mailing: 2001\_1  
SCSI ordering after exception on non interlocked transports

T10/01-049R0 Date: 2001/01/13 Author: Neil Wanamaker Mailing: 2001\_1  
Patent statement regarding FCP-2

T10/01-050R0 Date: 2001/01/18 Author: Bill McFerrin Mailing: 2001\_2  
Minutes of MMC-3 working group meeting -- January 17, 2001

T10/01-051R0 Date: 2001/01/18 Author: Paul Aloisi Mailing: 2001\_1  
STA Report - January 18, 2001

T10/01-052R0 Date: 2001/01/18 Author: Paul Aloisi Mailing: 2001\_1  
SCSI Signal Modeling Report - January 18, 2001

T10/01-053R0 Date: 2001/01/22 Author: John Lohmeyer Mailing: 2001\_1  
Agenda for T10 Meeting #42 (Mar '01)

T10/01-053R1 Date: 2001/01/24 Author: John Lohmeyer Mailing: 2001\_1  
Agenda for T10 Meeting #42 (Mar '01)

T10/01-053R2 Date: 2001/02/21 Author: John Lohmeyer Mailing: 2001\_2  
Agenda for T10 Meeting #42 (Mar '01)

T10/01-053R3 Date: 2001/02/28 Author: John Lohmeyer Mailing: 2001\_2  
Agenda for T10 Meeting #42 (Mar '01)

T10/01-054R0 Date: 2001/01/22 Author: John Lohmeyer Mailing: 2001\_1  
T10 Project Summary - Jan '01

T10/01-055R0 Date: 2001/01/22 Author: John Lohmeyer Mailing: 2001\_1  
Jeopardy Letter for Mar '01 meeting

T10/01-056R0 Date: 2001/01/19 Author: Edward A. Gardner Mailing: 2001\_1  
Connecting to an InfiniBand (tm) IO Device

T10/01-057R0 Date: 2001/01/23 Author: Eric Anderson Mailing: 2001\_2  
Proposal for Fast Start in SBP-3

T10/01-058R0 Date: 2001/01/24 Author: Bill McFerrin Mailing: 2001\_1  
Copyright release for T10/00-417 and T10/00-418

T10/01-059R0 Date: 2001/01/24 Author: William Wuertz Mailing: 2001\_2  
LSI Logic Patent Position re SCSI Domain Validation Technical Report

T10/01-060R0 Date: 2001/02/19 Author: Eric Anderson Mailing: 2001\_2  
Minutes of SBP-3 Working Group

T10/01-061R0 Date: 2001/01/29 Author: Rob Elliott Mailing: 2001\_1  
SAM-2 AER enable and disable requirement for protocols

T10/01-061R1 Date: 2001/02/01 Author: Rob Elliott Mailing: 2001\_2  
SAM-2 AER enable and disable requirement for protocols

T10/01-061R2 Date: 2001/03/07 Author: Rob Elliott Mailing: 2001\_2  
SAM-2 AER enable and disable requirement for protocols

T10/01-062R0 Date: 2001/01/30 Author: Cris Simpson Mailing: 2001\_2  
Meeting Notice - SRP WG February 20-21, 2001

T10/01-063R0 Date: 2001/02/01 Author: Dave Peterson Mailing: 2001\_2  
Agenda of Joint T10/T11.3 Working Group - Feb 7, 2001

T10/01-064R0 Date: 2001/02/09 Author: Bob Nixon Mailing: 2001\_2  
Minutes of Joint T10/T11.3 Working Group - Feb 7, 2001

T10/01-065R0 Date: 2001/02/05 Author: Rob Elliott Mailing: 2001\_2  
SPC-3 VPD Page 83 Device Identifier rewrite

T10/01-065R1 Date: 2001/02/06 Author: Rob Elliott Mailing: 2001\_2  
SPC-3 VPD Page 83 Device Identifier rewrite

T10/01-065R2 Date: 2001/03/07 Author: Rob Elliott Mailing: 2001\_2  
SPC-3 VPD Page 83 Device Identifier rewrite

T10/01-066R0 Date: 2001/02/15 Author: Rob Elliott Mailing: 2001\_2  
SPI-4: SCC Subpages for SPI initiator negotiated settings

T10/01-067R0 Date: 2001/02/12 Author: Lance Flake Mailing: 2001\_2  
RBC Access For AV/C Data Interchange in SBP-3

T10/01-067R1 Date: 2001/03/23 Author: Lance Flake Mailing: 2001\_3  
RBC Access For aV/C Data Interchange in SBP-3

T10/01-068R0 Date: 2001/02/16 Author: George Penokie Mailing: 2001\_2  
Definition of Well Known Logical Units

T10/01-068R1 Date: 2001/03/01 Author: George Penokie Mailing: 2001\_2  
Definition of Well Known Logical Units

T10/01-068R2 Date: 2001/04/24 Author: George Penokie Mailing: 2001\_3  
Defination of Well Known Logical Units

T10/01-068R3 Date: 2001/07/11 Author: George Penokie Mailing: 2001\_4  
Defination of Well Known Logical Units

T10/01-068R4 Date: 2001/07/12 Author: George Penokie Mailing: 2001\_4  
Defination of Well Known Logical Units

T10/01-068R5 Date: 2001/07/24 Author: George Penokie Mailing: Missing  
Defination of Well Known Logical Units

T10/01-069R0 Date: 2001/01/18 Author: Steve Powers Mailing: 2001\_2  
Surprise removal of 1394 storage devices

T10/01-070R0 Date: 2001/02/19 Author: Peter Johansson Mailing: 2001\_2  
Bridge-aware targets and node handles

T10/01-071R0 Date: 2001/02/20 Author: Cris Simpson Mailing: 2001\_2  
InfiniBand (tm) Multi-Channel Connections for SRP

T10/01-072R0 Date: 2001/02/21 Author: Ralph Weber Mailing: 2001\_2

## FCP-2 6.109 Response Needs to Change

T10/01-073R0 Date: 2001/02/21 Author: Greg Pellegrino Mailing: 2001\_2  
Minutes of the SRP WG - February 20-21, 2001

T10/01-074R0 Date: 2001/02/21 Author: Bill Ham Mailing: 2001\_2  
Minutes of PIP Working Group - February 20-21, 2000 (draft)

T10/01-074R1 Date: 2001/04/04 Author: Bill Ham Mailing: 2001\_3  
Minutes of PIP Working Group - February 20-21, 2000

T10/01-075R0 Date: 2001/02/21 Author: Bill Ham Mailing: 2001\_2  
Minutes of SSM Working Group - February 21-22, 2001 (draft)

T10/01-075R1 Date: 2001/04/04 Author: Bill Ham Mailing: 2001\_3  
Minutes of SSM Working Group - February 21-22, 2001

T10/01-076R0 Date: 2001/03/13 Author: Bill Ham Mailing: 2001\_2  
Passive Interconnect Performance Round Robins

T10/01-077R0 Date: 2001/03/05 Author: Dave Peterson Mailing: 2001\_2  
Agenda for Joint T10/T11.3 WG - March 5, 2001

T10/01-078R0 Date: 2001/03/12 Author: Bob Nixon Mailing: 2001\_2  
Minutes of Joint T10/T11.3 WG - March 5, 2001

T10/01-079R0 Date: 2001/03/08 Author: Ed Gardner Mailing: 2001\_2  
SRP Target Identification

T10/01-080R0 Date: 2001/03/08 Author: Ed Gardner Mailing: 2001\_2  
SRP Initiator Identification

T10/01-081R0 Date: 2001/03/05 Author: Dave Peterson Mailing: 2001\_2  
Draft Agenda of SSC-2 Working Group - March 5, 2001

T10/01-082R0 Date: 2001/03/07 Author: Dave Peterson & Mailing: 2001\_2  
Paul Suhler  
Minutes of SSC-2 Working Group - March 5, 2001

T10/01-082R1 Date: 2001/04/05 Author: Dave Peterson & Mailing: 2001\_3  
Paul Suhler  
Minutes of SSC-2 Working Group - March 5, 2001

T10/01-083R0 Date: 2001/02/23 Author: Paul Entzel Mailing: 2001\_2  
Proposed change to Table 9 in SSC-2, revision 2

T10/01-083R1 Date: 2001/07/17 Author: Paul Entzel Mailing: 2001\_4  
Proposed change to Table 9 in SSC-2, revision 2

T10/01-084R0 Date: 2001/02/26 Author: George Penokie Mailing: 2001\_2  
Names, Addresses, Identifiers, Oh my!

T10/01-084R1 Date: 2001/04/20 Author: George Penokie Mailing: 2001\_3  
Names, Addresses, Identifiers, Oh my!

T10/01-084R2 Date: 2001/05/10 Author: George Penokie Mailing: 2001\_4  
Names, Addresses, Identifiers, Oh my!

T10/01-084R3 Date: 2001/07/06 Author: George Penokie Mailing: 2001\_4

Names, Addresses, Identifiers, Oh my!

T10/01-085R0 Date: 2001/02/27 Author: Cris Simpson Mailing: 2001\_3  
SRP MultiChannel Proposal

T10/01-085R1 Date: 2001/06/15 Author: Cris Simpson Mailing: 2001\_4  
SRP MultiChannel Proposal

T10/01-085R2 Date: 2001/07/06 Author: Cris Simpson Mailing: 2001\_4  
SRP MultiChannel Proposal

T10/01-086R0 Date: 2001/03/06 Author: Keith Holt Mailing: 2001\_2  
SRP Transfer Length Proposal

T10/01-087R0 Date: 2001/02/28 Author: Gary Robinson Mailing: 2001\_2  
Proposed motion for T10 recommendation on ISO/IEC NWI for SSC

T10/01-087R1 Date: 2001/03/07 Author: Gary Robinson Mailing: 2001\_2  
Proposed motion for T10 recommendation on ISO/IEC NWI for SSC

T10/01-087R2 Date: 2001/03/22 Author: Gary Robinson Mailing: 2001\_3  
T10 Motion on ISO/IEC14776-331

T10/01-088R0 Date: 2001/03/05 Author: Bill Ham Mailing: 2001\_2  
Minutes of SDV WG - March 5, 2001

T10/01-089R0 Date: 2001/03/08 Author: Weber & Lohmeyer Mailing: 2001\_2  
Minutes of Parallel SCSI WG - March 6, 2001

T10/01-090R0 Date: 2001/03/08 Author: Weber & Lohmeyer Mailing: 2001\_2  
Minutes of SCSI CAP WG - March 7, 2001

T10/01-091R0 Date: 2001/03/08 Author: Weber & Lohmeyer Mailing: 2001\_2  
Minutes of T10 Plenary Meeting #42 -- March 8, 2001

T10/01-091R1 Date: 2001/03/19 Author: Weber & Lohmeyer Mailing: 2001\_2  
Minutes of T10 Plenary Meeting #42 -- March 8, 2001

T10/01-092R0 Date: 2001/03/09 Author: Rob Elliott Mailing: 2001\_2  
Minutes of the SRP WG - March 8-9, 2001

T10/01-092R1 Date: 2001/04/16 Author: Rob Elliott Mailing: 2001\_3  
Minutes of the SRP WG - March 8-9, 2001

T10/01-093R0 Date: 2001/03/02 Author: Ralph Weber Mailing: 2001\_2  
It's the I\_T Nexus, Stupid

T10/01-093R1 Date: 2001/03/09 Author: Ralph Weber Mailing: 2001\_2  
It's the I\_T Nexus, Stupid

T10/01-094R0 Date: 2001/03/02 Author: Wally Bridgewater Mailing: 2001\_2  
1st pulse attenuation

T10/01-095R0 Date: 2001/03/06 Author: Rob Elliott Mailing: 2001\_2  
Project Proposal for SCSI Bridge Controller Commands (BCC)

T10/01-095R1 Date: 2001/07/13 Author: Rob Elliott Mailing: 2001\_4  
Project Proposal for SCSI Management Server Commands (MSC)

T10/01-096R0 Date: 2001/03/02 Author: Richard Moore Mailing: 2001\_2  
Corrections on Driving and Asserting SCSI signals

T10/01-096R1 Date: 2001/03/02 Author: Richard Moore Mailing: 2001\_2  
Corrections on Driving and Asserting SCSI signals

T10/01-097R0 Date: 2001/03/02 Author: Richard Moore Mailing: 2001\_2  
Packetized CRC Intervals

T10/01-098R0 Date: 2001/05/03 Author: Ron Roberts Mailing: 2001\_2  
Project Proposal for an RBC-2 Standard

T10/01-099R0 Date: 2001/03/05 Author: Rob Elliott Mailing: 2001\_2  
SPC-3 Letting persistent reservations ignore target ports

T10/01-099R1 Date: 2001/04/17 Author: Rob Elliott Mailing: 2001\_3  
SPC-3 Letting persistent reservations ignore target ports

T10/01-099R2 Date: 2001/06/25 Author: Rob Elliott Mailing: 2001\_4  
SPC-3 Letting persistent reservations ignore target ports

T10/01-100R0 Date: 2001/03/07 Author: Rob Elliott Mailing: 2001\_2  
SPC-3 Letting persistent reservations ignore initiator ports

T10/01-100R1 Date: 2001/04/17 Author: Rob Elliott Mailing: 2001\_3  
SPC-3 Letting persistent reservations ignore initiator ports

T10/01-101R0 Date: 2001/03/06 Author: Eric Anderson Mailing: 2001\_3  
Minutes of SBP-3 WG - March 6-7, 2001

T10/01-102R0 Date: 2001/02/13 Author: Scott Smyers Mailing: 2001\_2  
Proposal for modifications to SBP3 and RBC

T10/01-103R0 Date: 2001/03/06 Author: Firooz Farhoomand Mailing: 2001\_2  
SBP3

T10/01-104R0 Date: 2001/03/07 Author: Ed Gardner Mailing: 2001\_2  
SRP Protocol Identifiers

T10/01-105R0 Date: 2001/03/07 Author: Roger Ronald Mailing: 2001\_2  
Minutes of T11.1 HIPPI Ad Hoc WG (includes SST in 7.0)

T10/01-106R0 Date: 2001/03/08 Author: Paul Aloisi Mailing: 2001\_2  
SCSI Signal Modeling Report - March 8, 2001

T10/01-107R0 Date: 2001/03/08 Author: Paul Aloisi Mailing: 2001\_2  
SCSITA T10 Plenary Report - March 8, 2001

T10/01-108R0 Date: 2001/03/08 Author: Rob Elliott Mailing: 2001\_2  
SRP Dropping Target Reset Support

T10/01-109R0 Date: 2001/03/08 Author: Bill McFerrin Mailing: 2001\_2  
Minutes of MMC-3 Working Group - March 6-7, 2001

T10/01-110R0 Date: 2001/03/09 Author: Peter Johansson Mailing: 2001\_2  
SBP-3 Status - March 2001

T10/01-111R0 Date: 2001/03/12 Author: Gregory Vaupotic Mailing: 2001\_2  
Reading Ansoft's Output Matrices

T10/01-112R0 Date: 2001/03/12 Author: John Lohmeyer Mailing: 2001\_2  
Letter Ballot on forwarding MMC-3 to first public review

T10/01-113R0 Date: 2001/03/12 Author: John Lohmeyer Mailing: 2001\_3  
Results of letter ballot 01-112r0 on forwarding MMC-3 to 1PR

T10/01-114R0 Date: 2001/03/13 Author: John Lohmeyer Mailing: 2001\_2  
Agenda for T10 Meeting #43 (May '01)

T10/01-114R1 Date: 2001/03/20 Author: John Lohmeyer Mailing: 2001\_2  
Agenda for T10 Meeting #43 (May '01)

T10/01-114R2 Date: 2001/03/20 Author: John Lohmeyer Mailing: 2001\_3  
Agenda for T10 Meeting #43 (May '01)

T10/01-115R0 Date: 2001/03/12 Author: John Lohmeyer Mailing: 2001\_2  
T10 Project Summary - Mar '01

T10/01-116R0 Date: 2001/03/12 Author: John Lohmeyer Mailing: 2001\_2  
Jeopardy Letter for May '01 meeting

T10/01-117R0 Date: 2001/03/27 Author: Bill Ham Mailing: 2001\_3  
Minutes of SDV Working Group - March 26-27, 2001

T10/01-118R0 Date: 2001/03/30 Author: gary s robinson Mailing: 2001\_3  
T10 Motion on ISO/IEC 14776-326

T10/01-119R0 Date: 2001/03/30 Author: gary s robinson Mailing: 2001\_3  
T10 Motion on ISO/IEC 14776-362

T10/01-120R0 Date: 2001/03/30 Author: Bruce Manildi Mailing: 2001\_3  
Cable/Backplane Characterization Proposal

T10/01-121R0 Date: 2000/12/15 Author: ISO/IEC JTC-1 SC Mailing: 2001\_3  
25/WG 4 /  
Project Editor  
Resolution of comments and explanatory report on CD

T10/01-122R0 Date: 2001/03/30 Author: John Lohmeyer Mailing: 2001\_3  
Letter Ballot on recommending approval of FDIS SPI-2)

T10/01-123R0 Date: 2001/03/30 Author: John Lohmeyer Mailing: 2001\_3  
Results of Letter Ballot 01-122r0 on rec. approval of FDIS 14776-112 (SPI-2)

T10/01-124R0 Date: 2001/04/02 Author: Sriram Mailing: 2001\_3  
Srinivasan,  
Brian Day  
Clarification on Using Streaming Transfers

T10/01-125R0 Date: 2001/04/02 Author: Sriram Mailing: 2001\_3  
Srinivasan,  
Brian Day  
Exception Handling and Streaming Transfers

T10/01-125R1 Date: 2001/05/14 Author: Sriram Mailing: 2001\_4  
Srinivasan and  
Brian Day  
Exception Handling and Streaming Transfers

T10/01-126R0 Date: 2001/04/04 Author: Bill Ham, Paul Aloisi Mailing: 2001\_3  
 Minutes: Draft minutes SSM working group April 04,05, 2001

T10/01-126R1 Date: 2001/06/13 Author: Bill Ham, Paul Aloisi Mailing: 2001\_4  
 Approved minutes SSM April 2001

T10/01-127R0 Date: 2001/04/04 Author: Bill Ham, Zane Daggett Mailing: 2001\_3  
 Minutes: Draft minutes PIP working group April 03,04, 2001

T10/01-127R1 Date: 2001/06/13 Author: Bill Ham, Zane Daggett Mailing: 2001\_4  
 Minutes: Approved minutes for PIP April 2001

T10/01-128R0 Date: 2001/03/28 Author: Rob Elliott Mailing: 2001\_3  
 SPI-4 reset cleanup

T10/01-128R1 Date: 2001/04/09 Author: Rob Elliott Mailing: 2001\_3  
 SPI-4 reset cleanup

T10/01-128R2 Date: 2001/05/01 Author: Rob Elliott Mailing: 2001\_3  
 SPI-4 reset cleanup

T10/01-129R0 Date: 2001/04/06 Author: Paul Aloisi Mailing: 2001\_3  
 Project Proposal for SCSI Signal Modeling - 2 Standard (SSM-2)

T10/01-130R0 Date: 2001/04/06 Author: Greg Vaupotic Mailing: 2001\_3  
 A Periodic Structure, Measured Impedance vs. Sample Length

T10/01-131R0 Date: 2001/04/13 Author: Rob Elliott Mailing: 2001\_3  
 SPI-4 negotiation message rewrite

T10/01-131R1 Date: 2001/05/01 Author: Rob Elliott Mailing: 2001\_4  
 SPI-4 negotiation message rewrite

T10/01-131R2 Date: 2001/07/13 Author: Rob Elliott Mailing: 2001\_4  
 SPI-4 negotiation message rewrite

T10/01-132R0 Date: 2001/04/16 Author: Umesh Chandra, Bruce Manildi Mailing: 2001\_3  
 Proposed Procedure - Backplane Round Robin

T10/01-132R1 Date: 2001/04/24 Author: Umesh Chandra Mailing: 2001\_3  
 Backplane Round Robin 1 Test Plan SCSI PIP

T10/01-133R0 Date: 2001/04/16 Author: LSI Logic, Alan Littlewood Mailing: 2001\_3  
 Test Board Documentation - Backplane Round Robin

T10/01-134R0 Date: 2001/04/16 Author: Rob Elliott Mailing: 2001\_3  
 SAM-2, SPI-4, SBC-2 WAKEUP and reset cleanup

T10/01-134R1 Date: 2001/06/29 Author: Rob Elliott Mailing: 2001\_4  
 SAM-2, SPC-3, SPI-4, SBC-2 WAKEUP and reset cleanup

T10/01-135R0 Date: 2001/04/19 Author: Bruce Manildi Mailing: 2001\_3



## Minutes - PIP Backplane Round Robin Teleconference

T10/01-136R0 Date: 2001/04/20 Author: Bruce Manildi Mailing: 2001\_3  
25% Precomp Cutback Level Proposal

T10/01-136R1 Date: 2001/05/17 Author: Bruce Manildi Mailing: 2001\_4  
25% Precomp Cutback Level Proposal

T10/01-137R0 Date: 2001/04/23 Author: Peter Johansson Mailing: 2001\_3  
Stream command block ORB

T10/01-138R0 Date: 2001/04/24 Author: Peter Johansson Mailing: 2001\_3  
Bi-directional ORBs: Two approaches

T10/01-139R0 Date: 2001/04/26 Author: Eric Anderson Mailing: 2001\_4  
Minutes of SBP-3 Working Group

T10/01-140R0 Date: 2001/04/26 Author: David Peterson Mailing: 2001\_3  
SSC-2 Working Group Agenda (April 30, 2001)

T10/01-141R0 Date: 2001/04/27 Author: Weber & Lohmeyer Mailing: 2001\_3  
Minutes of Parallel SCSI WG - May 1, 2001

T10/01-141R1 Date: 2001/05/08 Author: Weber & Lohmeyer Mailing: 2001\_3  
Minutes of Parallel SCSI WG - May 1, 2001

T10/01-142R0 Date: 2001/05/03 Author: Weber & Lohmeyer Mailing: 2001\_3  
Minutes of SCSI CAP WG - May 2, 2001

T10/01-143R0 Date: 2001/05/07 Author: Weber & Lohmeyer Mailing: 2001\_3  
Minutes of T10 Plenary Meeting #43 -- May 3, 2001

T10/01-144R0 Date: 2001/07/19 Author: John Lohmeyer Mailing: 2001\_3  
Project Proposal for SCSI Parallel Interface - 5 SPI-5)

T10/01-144R1 Date: 2001/07/19 Author: John Lohmeyer Mailing: 2001\_4  
Project Proposal for SCSI Parallel Interface - 5 SPI-5)

T10/01-145R0 Date: 2001/07/19 Author: John Lohmeyer Mailing: 2001\_3  
Project Proposal for SCSI Parallel Interface - 6 SPI-6)

T10/01-146R0 Date: 2001/04/29 Author: David Peterson Mailing: 2001\_3  
SSC-2 State Change Diagram

T10/01-147R0 Date: 2001/05/01 Author: George Penokie Mailing: 2001\_3  
SPI L\_Q error handling

T10/01-148R0 Date: 2001/05/01 Author: Ralph O. Weber Mailing: 2001\_3  
Results from 30 April SAM-2 Editing Meeting (PDF Annotations Import)

T10/01-148R0 Date: 2001/05/01 Author: Ralph O. Weber Mailing: 2001\_3  
Summary of results from 30 April SAM-2 Editing Meeting

T10/01-149R0 Date: 2001/05/01 Author: Bill Ham Mailing: 2001\_3  
SDV working group recommendations for changes to SPI-4

T10/01-150R0 Date: 2001/05/01 Author: Rob Elliott Mailing: 2001\_3  
Minutes of the SRP WG - May 3-4, 2001

T10/01-150R1 Date: 2001/05/10 Author: Rob Elliott Mailing: 2001\_3  
Minutes of the SRP WG - May 3-4, 2001

T10/01-150R2 Date: 2001/05/23 Author: Rob Elliott Mailing: 2001\_4  
Minutes of the SRP WG - May 3-4, 2001

T10/01-151R0 Date: 2001/05/02 Author: Rob Elliott Mailing: 2001\_3  
BCC project proposal issues

T10/01-152R0 Date: 2001/05/02 Author: Gary Robinson Mailing: 2001\_3  
ISO/IEC status report - May 2001

T10/01-152R1 Date: 2001/06/06 Author: Gary Robinson Mailing: 2001\_4  
ISO/IEC status report - July 2001

T10/01-153R0 Date: 2001/05/03 Author: Dave Peterson Mailing: 2001\_3  
SSC-2 Project Status Report - May 3, 2001

T10/01-154R0 Date: 2001/05/03 Author: Paul Aloisi Mailing: 2001\_3  
SSM Report - May 2001

T10/01-155R0 Date: 2001/05/03 Author: Paul Aloisi Mailing: 2001\_3  
SCSITA T10 Plenary Report - May 2001

T10/01-156R0 Date: 2001/05/03 Author: John Lohmeyer Mailing: 2001\_3  
Agenda for T10 Meeting #44 (July '01)

T10/01-156R1 Date: 2001/07/09 Author: John Lohmeyer Mailing:  
Agenda for T10 Meeting #44 (July '01)

T10/01-157R0 Date: 2001/05/03 Author: John Lohmeyer Mailing: 2001\_3  
T10 Project Summary - May '01

T10/01-158R0 Date: 2001/05/03 Author: John Lohmeyer Mailing: 2001\_3  
Jeopardy Letter for July '01 meeting

T10/01-159R0 Date: 2001/05/07 Author: Greg Vaupotic Mailing: 2001\_3  
Meeting Announcement - PIP - SSM - June 12-14, 2001

T10/01-160R0 Date: 2001/05/07 Author: Rob Elliott Mailing: 2001\_3  
Project Proposal for SRP-2 Standard

T10/01-161R0 Date: 2001/05/08 Author: George Penokie Mailing: 2001\_3  
Public Review Comment #1 on NCITS 351 (SPC-2)

T10/01-161R1 Date: 2001/07/18 Author: George Penokie Mailing: 2001\_4  
Public Review Comment #1 on NCITS 351 (SPC-2)

T10/01-162R0 Date: 2001/05/09 Author: William Petty Mailing: 2001\_3  
Fast-320 Preliminary Timing Budget

T10/01-162R0 Date: 2001/05/09 Author: William Petty Mailing: 2001\_3  
Fast-320 Preliminary Timing Budget

T10/01-163R0 Date: 2001/05/02 Author: Marjorie Krueger Mailing: 2001\_3  
SCSI Device Management (SCSI MIB)

T10/01-164R0 Date: 2001/05/03 Author: Bill Galloway Mailing: 2001\_3  
Reduce SRP\_CMD IU types to one

T10/01-165R0	Date: 2001/05/02	Author: Bill McFerrin	Mailing: Missing
Minutes of MMC Working Group - May 1-2, 2001			
T10/01-166R0	Date: 2001/05/02	Author: Bill McFerrin	Mailing: 2001_3
Project Proposal for MMC-4			
T10/01-167R0	Date: 2001/05/02	Author: Bill McFerrin	Mailing: Missing
Response to MMC-3 Letter Ballot Comments			
T10/01-168R0	Date: 2001/05/03	Author: David Peterson	Mailing: 2001_3
Minutes of SSC-2 Working Group (April 30, 2001)			
T10/01-169R0	Date: 2001/05/14	Author: Rob Elliott	Mailing: 2001_4
Minutes of SRP teleconference - 11 May 2001			
T10/01-169R1	Date: 2001/05/23	Author: Rob Elliott	Mailing: 2001_4
Minutes of SRP teleconference - 11 May 2001			
T10/01-170R0	Date: 2001/05/17	Author: Brian Day	Mailing: 2001_4
P_CRCA Streaming Clarifications			
T10/01-170R1	Date: 2001/07/24	Author: Brian Day	Mailing: 2001_4
P_CRCA Streaming Clarifications			
T10/01-171R0	Date: 2001/05/18	Author: Cris Simpson	Mailing: 2001_4
SRP LOGOUT REJECT proposal			
T10/01-171R1	Date: 2001/06/15	Author: Cris Simpson	Mailing: 2001_4
SRP LOGOUT REJECT proposal			
T10/01-172R0	Date: 2001/03/10	Author: George Penokie	Mailing: 2001_4
SRP to SAM-2 Protocol			
T10/01-172R1	Date: 2001/06/21	Author: George Penokie	Mailing: 2001_4
SRP to SAM-2 Protocol			
T10/01-172R2	Date: 2001/07/11	Author: George Penokie	Mailing: 2001_4
SRP to SAM-2 Protocol			
T10/01-172R3	Date: 2001/07/24	Author: George Penokie	Mailing: Missing
SRP to SAM-2 Protocol			
T10/01-173R0	Date: 2001/05/18	Author: Rob Elliott	Mailing: 2001_4
SRP bidirectional residuals			
T10/01-173R1	Date: 2001/05/21	Author: Rob Elliott	Mailing: 2001_4
SRP bidirectional residuals			
T10/01-173R2	Date: 2001/06/22	Author: Rob Elliott	Mailing: 2001_4
SRP bidirectional residuals			
T10/01-174R0	Date: 2001/05/16	Author: PeterJohansson	Mailing: 2001_4
Public Review Comment #2 on NCITS 351 (SPC-2)			
T10/01-174R1	Date: 2001/06/27	Author: PeterJohansson	Mailing: 2001_4
Public comment on target descriptors in SPC-2			
T10/01-174R2	Date: 2001/06/27	Author: PeterJohansson	Mailing: 2001_4

Public comment on target descriptors in SPC-2

T10/01-174R3 Date: 2001/07/13 Author: PeterJohansson Mailing: 2001\_4  
Public comment on target descriptors in SPC-2

T10/01-175R0 Date: 2001/05/20 Author: Roger Cummings Mailing: 2001\_4  
Public Review Comment #3 on NCITS 351 (SPC-2)

T10/01-176R0 Date: 2001/05/20 Author: Roger Cummings Mailing: 2001\_4  
Public Review Comment #1 on NCITS 350 (FCP-2)

T10/01-177R0 Date: 2001/05/21 Author: Edward A. Gardner Mailing: 2001\_4  
SRP Model for RDMA Communication Services

T10/01-177R1 Date: 2001/07/17 Author: Edward A. Gardner Mailing: 2001\_4  
SRP Model for RDMA Communication Services

T10/01-178R0 Date: 2001/05/25 Author: Rob Elliott Mailing: 2001\_4  
Minutes of SRP teleconference - 25 May 2001

T10/01-179R0 Date: 2001/05/25 Author: Andy Green Mailing: 2001\_4  
Proposal to modify isochronous interchange recording format (SBP3)

T10/01-180R0 Date: 2001/05/25 Author: Peter Johansson Mailing: 2001\_4  
RBC-2 commands for extent management

T10/01-180R1 Date: 2001/06/26 Author: Peter Johansson Mailing: 2001\_4  
RBC-2 commands for extent management

T10/01-181R0 Date: 2001/06/04 Author: Jim Hafner and Mailing: 2001\_4  
Robert Elliott  
Access Controls TransportIDs for SBP, SRP and iSCSI

T10/01-182R0 Date: 2001/06/04 Author: Jim Hafner Mailing: 2001\_4  
SAM-2 device and port names

T10/01-182R1 Date: 2001/07/24 Author: Jim Hafner Mailing: 2001\_4  
SAM-2 device and port names

T10/01-183R0 Date: 2001/06/07 Author: John Lohmeyer Mailing: 2001\_4  
Letter Ballot on forwarding SST to first public review

T10/01-184R0 Date: 2001/07/10 Author: John Lohmeyer Mailing: 2001\_4  
Results of letter ballot 01-183r0 on forwarding SST to 1PR

T10/01-184R1 Date: 2001/07/11 Author: John Lohmeyer Mailing: 2001\_4  
Results of letter ballot 01-183r0 on forwarding SST to 1PR

T10/01-185R0 Date: 2001/06/08 Author: Cris Simpson Mailing: 2001\_4  
SAM-2 layering terminology proposal

T10/01-185R1 Date: 2001/07/24 Author: Cris Simpson Mailing: 2001\_4  
SAM-2 layering terminology proposal

T10/01-186R0 Date: 2001/06/08 Author: Cris Simpson Mailing: Missing  
SRP communications model proposal

T10/01-187R0 Date: 2001/06/05 Author: Eric Anderson Mailing: 2001\_4  
Minutes of SBP-3 Working Group

T10/01-188R0 Date: 2001/06/13 Author: Paul Aloisi, Don Getty Mailing: 2001\_4  
PIP SSM August Meeting Announcement

T10/01-189R0 Date: 2001/06/13 Author: Rob Haydt Mailing: 2001\_4  
OS Considerations for SRP on IB

T10/01-189R1 Date: 2001/07/13 Author: Rob Haydt Mailing: 2001\_4  
OS Considerations for SRP on IB

T10/01-190R0 Date: 2001/06/13 Author: Bill Ham, Paul Aloisi Mailing: 2001\_4  
Minutes: Draft minutes of SSM June 13-14, 2001

T10/01-191R0 Date: 2001/06/13 Author: Bill Ham, Zane Daggett Mailing: 2001\_4  
Minutes: Draft minutes of PIP June 12-13, 2001

T10/01-192R0 Date: 2001/06/15 Author: Rob Elliott Mailing: 2001\_4  
SPC-3 Extended Copy target descriptor for SRP

T10/01-192R1 Date: 2001/06/20 Author: Rob Elliott Mailing: 2001\_4  
SPC-3 Extended Copy target descriptor for SRP

T10/01-192R2 Date: 2001/06/22 Author: Rob Elliott Mailing: 2001\_4  
SPC-3 Extended Copy target descriptor for SRP

T10/01-193R0 Date: 2001/06/15 Author: Rob Elliott Mailing: 2001\_4  
SRP alias entry designation formats

T10/01-193R1 Date: 2001/06/20 Author: Rob Elliott Mailing: 2001\_4  
SRP alias entry designation formats

T10/01-194R0 Date: 2001/06/15 Author: Ralph O. Weber Mailing: 2001\_4  
SPC-2 Public Review Comments Resolution

T10/01-194R1 Date: 2001/06/17 Author: Ralph O. Weber Mailing: 2001\_4  
SPC-2 Public Review Comments Resolution

T10/01-194R2 Date: 2001/06/25 Author: Ralph O. Weber Mailing: 2001\_4  
SPC-2 Public Review Comments Resolution

T10/01-194R3 Date: 2001/07/18 Author: Ralph O. Weber Mailing: 2001\_4  
SPC-2 Public Review Comments Resolution

T10/01-195R0 Date: 2001/06/15 Author: Rob Elliott Mailing: 2001\_4  
Minutes of SRP WG - 19-20 June 2001

T10/01-196R0 Date: 2001/06/17 Author: Ralph O. Weber Mailing: 2001\_4  
Replacing Task Identifiers in SAM-2

T10/01-197R0 Date: 2001/06/20 Author: Robert Snively Mailing: 2001\_4  
Resolution of FCP-2 public review comment

T10/01-198R0 Date: 2001/05/02 Author: Rob Elliott Mailing: 2001\_4  
SPC-3 CMDDT and variable length CDBs

T10/01-199R0 Date: 2001/06/24 Author: Rob Elliott Mailing: 2001\_4

SPC-3 sense data INFORMATION field for long LBAs/bidirectional commands

T10/01-200R0 Date: 2001/06/26 Author: Peter Johansson Mailing: 2001\_4  
Distributed data buffers for SBP-3

T10/01-201R0 Date: 2001/06/27 Author: Rob Elliott Mailing: 2001\_4  
SPI-4 Add DISCONNECT OUT during IU mode to bus free list

T10/01-202R0 Date: 2001/06/28 Author: Rob Elliott Mailing: 2001\_4  
SPI-4 Obsolete AIP annex

T10/01-203R0 Date: 2001/07/05 Author: Roger Cummings Mailing: 2001\_4  
Comments on Resolution of VERITAS FCP-2 Public Review Comment

T10/01-204R0 Date: 2001/07/05 Author: Roger Cummings Mailing: 2001\_4  
Comments on Resolution of VERITAS SPC-2 Public Review Comment

T10/01-205R0 Date: 2001/07/06 Author: Cris Simpson Mailing: 2001\_4  
SRP Initiator Logout Proposal

T10/01-205R1 Date: 2001/07/18 Author: Cris Simpson Mailing: 2001\_4  
SRP Initiator Logout Proposal

T10/01-206R0 Date: 2001/07/09 Author: Rob Elliott Mailing: 2001\_4  
Minutes of SRP teleconference - 9 July 2001

T10/01-207R0 Date: 2001/07/09 Author: Brian Day Mailing: 2001\_4  
ATN Condition Streaming Change

T10/01-208R0 Date: 2001/07/09 Author: Paul Suhler Mailing: 2001\_4  
SSC-2 Working Group Agenda (July 16, 2001)

T10/01-209R0 Date: 2001/07/10 Author: Paul Suhler and Mailing: 2001\_4  
Dave Peterson  
Minutes of SSC-2 Working Group (July 16, 2001)

T10/01-210R0 Date: 2001/07/11 Author: George Penokie Mailing: 2001\_4  
Reassign Blocks 2 TByte Support

T10/01-211R0 Date: 2001/07/11 Author: Erich Oetting Mailing: 2001\_4  
Connected media changer bit in SMC-2

T10/01-212R0 Date: 2001/07/12 Author: George Penokie Mailing: 2001\_4  
Clearing CA on ABORT TASK message

T10/01-213R0 Date: 2001/07/16 Author: Rob Elliott Mailing: 2001\_4  
Minutes of SDV Working Group - July 16, 2001

T10/01-214R0 Date: 2001/07/17 Author: Weber & Lohmeyer Mailing: 2001\_4  
Minutes of Parallel SCSI Working Group - July 17,

T10/01-215R0 Date: 2001/07/24 Author: Weber & Lohmeyer Mailing: 2001\_4  
Minutes of SCSI CAP Working Group - July 18, 2001

T10/01-216R0 Date: 2001/07/19 Author: Weber & Lohmeyer Mailing: Missing  
Minutes of T10 Plenary Meeting #44 - July 19, 2001

T10/01-217R0 Date: 2001/07/12 Author: Paul Suhler Mailing: 2001\_4  
SSC-2 Proposal: New TapeAlert Flag 'Loading Failure'

T10/01-218R0 Date: 2001/07/13 Author: John Lohmeyer Mailing: 2001\_4  
Letter Ballot Jeopardy Letter - July '01

T10/01-219R0 Date: 2001/07/13 Author: Edward A. Gardner Mailing: 2001\_4  
Interlocking BUSY, RESERVATION CONFLICT and TASK SET FULL

T10/01-220R0 Date: 2001/07/13 Author: Robert Snively Mailing: 2001\_4  
Correction of editorial error in FCP-2

T10/01-221R0 Date: 2001/07/14 Author: Costantino, Mailing: 2001\_4  
Green, and  
Snively  
Comments on SRP and IB Annex

T10/01-222R0 Date: 2001/07/16 Author: Peter Johansson Mailing: Missing  
Enhancements to FAST\_START to reduce doorbell usage

T10/01-223R0 Date: 2001/07/17 Author: Eric Anderson Mailing: Missing  
Minutes of SBP-3, July 17-18 2001

T10/01-224R0 Date: 2001/07/17 Author: Russ Brown Mailing: 2001\_4  
Ultra640 Cable and Backplane Data

T10/01-225R0 Date: 2001/07/17 Author: Paul Aloisi & Mailing: 2001\_4  
Bill Ham  
SPI-4 Length and Signal Specification

T10/01-226R0 Date: 2001/07/16 Author: Bill Galloway Mailing: Missing  
Bad IU Error REcovery

T10/01-227R0 Date: 2001/07/18 Author: Edward A. Gardner Mailing: 2001\_4  
SRP Buffer Descriptor Formats

T10/01-228R0 Date: 2001/07/18 Author: Cris Simpson Mailing: 2001\_4  
SRP Session issues

T10/01-229R0 Date: 2001/07/19 Author: Dave Peterson Mailing: 2001\_4  
SSC-2 Project Status Report -- July 19, 2001

T10/01-230R0 Date: 2001/07/18 Author: Edward A. Gardner Mailing: 2001\_4  
SRP Buffer Descriptor Subclause Rewrite

T10/01-231R0 Date: 2001/07/19 Author: Paul Aloisi Mailing: 2001\_4  
SCSI Signal Modeling Report - July 2001

T10/01-232R0 Date: 2001/07/19 Author: Paul Aloisi Mailing: 2001\_4  
SCSI Trade Association Report - July 2001

T10/01-233R0 Date: 2001/07/20 Author: Rob Elliott, Mailing: 2001\_4  
Cris Simpson  
Minutes of SRP WG 2001/July 19-20

T10/01-234R0 Date: 2001/07/24 Author: Roger Cummings Mailing: 2001\_4  
VERITAS PR Comment on SPC-2 - CAP Presentation Slides

T10/01-235R0 Date: 2001/07/24 Author: Roger Cummings Mailing: 2001\_4  
VERITAS PR Comment on FCP-2 - CAP Presentation Slides