I. Projects

1. Interfaces Between Flexible Disks and Their Host Controllers
   a. Project 52-M, Interfaces Between Flexible Disks and Their Host Controllers
   b. Target date for dpANS to X3:
      Original target date: ?
      Previous target date: Published
      Current target date: Published
   c. Project Description: This is a maintenance project on X3.80-1998, Interfaces Between Flexible Disks and Their Host Controllers.
   d. Publications During Past Year: none.
   e. Statement of Progress or Accomplishments During Year: none.
   f. Statement of Status as of This Report: 5-year review is due.
   g. Future Plans: Decide whether to reaffirm.
   h. Reasons for Delay: none.

2. Small Computer System Interface (SCSI-2)
   a. Project 375-R, Small Computer System Interface (SCSI-2)
   b. Target date for dpANS to X3:
      Original target date: January 1988
      Previous target date: September 1991
      Current target date: December 1991
c. Project Description: This is an extension of ANSI, X3.131, Small Computer System Interface, a low cost but highly "intelligent" bus interface for microprocessor-based computer systems. The interface is primarily aimed at the interconnection of small computers and high-bandwidth block transfer peripherals and includes relatively high-level command sets for magnetic disks and tapes, optical disks, and printers. This is a multimaster bus which also supports direct computer-to-computer interconnections. SCSI-2 adds some new device types (e.g., scanners, communications devices, and "jukeboxes") and considerably expands the command sets for some existing device types. It also provides for faster data transfer rates (up to 40 MBytes per second).

d. Publications During Past Year: none.

e. Statement of Progress or Accomplishments During Year: A first public review period concluded in July 1992. One comment was received from U.S. Design. The comment was addressed without making changes to the draft SCSI-2 document and the person who submitted the comment has accepted the response.

The dpANS was sent to the ISO Editor and he returned the marked-up document to the committee. At year-end, the comments were incorporated into the document and it was being reviewed by several task group members for accuracy.

f. Statement of Status as of This Report: The SCSI-2 dpANS is ready to return to the ISO Editor for confirmation that his comments have been incorporated correctly. Once the ISO has accepted the editing changes, it will be sent to X3 for letter ballot.

g. Future Plans: X3T9.2 has begun activities on a family of SCSI-3 projects including: SCSI-3 Parallel Interface (SPI) [855-D], SCSI-3 Interlocked Protocol (SIP) [856-D], Generic Packetized Protocol (GPP) [xxx-D], Serial Bus Protocol (SBP) [xxx-D], Fibre Channel Protocol (FCP) [xxx-D], SCSI-3 Architecture Model (SAM) [xxx-D], SCSI-3 Primary Commands (SPC) [xxx-D], SCSI-3 Block Commands (SBC) [xxx-D], SCSI-3 Stream Commands (SSC) [xxx-D], SCSI-3 Graphics Commands (SGC) [xxx-D], and SCSI-3 Medium Changer Commands (SMC) [xxx-D].

h. Reasons for Delay: The project was delayed because of a change in the ANSI publication practices which was made retroactive to include SCSI-2.

3. Enhanced Small Device Interface (ESDI)

a. Project 587-D, Enhanced Small Device Interface (ESDI)

b. Target date for dpANS to X3:

Original target date: April 1989
Previous target date: April 1989
Current target date: X3 approved ESDI 10/10/89

c. Project Description: ESDI defines a disk interface oriented toward newer disk drives with transfer rates of 10 to 24 Mbit/sec. Much of the development work on ESDI was done by an industry group while this project was assigned to X3T9.3. In June 1987, this project was transferred to X3T9.2.

d. Publications During Past Year: none.

e. Statement of Progress or Accomplishments During Year: none.

f. Statement of Status as of This Report: Published.

g. Future Plans: none.
h. Reasons for Delay:

4. **AT Attachment Interface for Disk Drives (ATA)**

a. Project 791-D, AT Attachment Interface for Disk Drives

b. Target date for dpANS to X3:

- Original target date: August 1991
- Previous target date: December 1991
- Current target date: July 1993

c. Project Description: The widespread use of desktop computers with a 16-bit memory bus has led to the adoption within the industry of a disk drive which attaches via a subset of the personal computer AT bus. Because of their compatibility with existing personal computer AT hardware and software this interface quickly became a de facto industry standard. The intent of this project is to develop a standard to specify a subset of the AT bus specifically for the direct attachment of peripherals. This standard will specify the mechanical and electrical characteristics as well as the methods by which commands are directed to peripherals, the contents of registers, and the method of data transfers.

d. Publications During Past Year: Three revisions of the AT Attachment working draft standard were distributed.

e. Statement of Progress or Accomplishments During Year: The draft proposed AT Attachment standard completed its first public review period with 3 registered comments and 3 unregistered comments. Substantive changes were made to address the comments.

f. Statement of Status as of This Report: X3T9.2 is addressing a NO vote on a letter ballot to forward AT Attachment back to X3T9 for second public review.

g. Future Plans: An ATA Extensions project is in development phase.

h. Reasons for Delay: Public review comments.

5. **SCSI Common Access Method (SCSI CAM)**

a. Project 792-D, SCSI Common Access Method

b. Target date for dpANS to X3:

- Original target date: August 1991
- Previous target date: June 1992
- Current target date: September 1993

c. Project Description: This project defines a common method to access SCSI devices through a standard software interface to SCSI host adapters for several popular operating systems. This should result in simplified integration of products.

d. Publications During Past Year: Two revisions of the SCSI-2 Common Access Method Transport and SCSI Interface Module working draft document was distributed.

e. Statement of Progress or Accomplishments During Year: The first public review period closed January 1, 1993. One comment from Commodore was received.
f. Statement of Status as of This Report: X3T9.2 plans to make substantive changes to address the comment.

g. Future Plans: X3T9.2 expects to forward CAM back to X3T9 in July 1993. A project proposal for a CAM-2 project has been submitted to X3. The letter ballot closed March 9, 1993, but the results were not available at this writing.

h. Reasons for Delay: X3T9.2 decided that SCSI CAM would benefit from addressing the public review comment.

6. SCSI Technical Information Bulletins

a. Project 817-D, SCSI Technical Information Bulletins

b. Target date for dpANS to X3:

Original target date: February 1991
Previous target date: none
Current target date: none

c. Project Description: To develop Technical Information Bulletins addressing X3.131-199x. The interpretations to be developed by X3T9 do not have any impact on the SCSI-2 standard but will be available as guidelines for those who request them.

d. Publications During Past Year: none.

e. Statement of Progress or Accomplishments During Year: none.

f. Statement of Status as of This Report: This project is on hold pending the approval of SCSI-2 (project 375-R).

g. Future Plans: none.

h. Reasons for Delay: SCSI-2 being revised as described in project 375-R.

7. SCSI-3 Command Set (SCS)

a. Project 854-D, SCSI-3 Command Set

b. Target date for dpANS to X3:

Original target date: April 1993
Previous target date: April 1993
Current target date: none

c. Project Description: The SCSI-3 Command Set standard will maintain a high degree of compatibility with SCSI-2 command sets while providing extensions and enhancements to support new features and new devices. This standard will not include the physical transport and media access layers as was the case in SCSI-2. Instead, multiple transport mechanisms will be supported through separate standards.

d. Publications During Past Year: none.

e. Statement of Progress or Accomplishments During Year: Some agreements have been reached for SCS and are documented in the form of accepted committee documents, and/or meeting
minutes. Project proposals were drafted and forwarded by X3T9.2 for dividing SCS into six projects: SCSI-3 Architecture Model (SAM) [xxx-D], SCSI-3 Primary Commands (SPC) [xxx-D], SCSI-3 Block Commands (SBC) [xxx-D], SCSI-3 Stream Commands (SSC) [xxx-D], SCSI-3 Graphics Commands (SGC) [xxx-D], and SCSI-3 Medium Changer Commands (SMC) [xxx-D].

f. Statement of Status as of This Report: The X3 letter ballot on dividing the SCS project closed March 9, 1993. The results were not available at the time of this report.

g. Future Plans: Develop the draft documents.

h. Reasons for Delay: The committee energy has been devoted to the lower layers of SCSI-3. The number of changes in the command set area layer of SCSI have not been great enough to justify expediting this project.

8. SCSI-3 Parallel Interface (SPI)

a. Project 855-D, SCSI-3 Parallel Interface

b. Target date for dpANS to X3:

   Original target date: April 1992
   Previous target date: December 1992
   Current target date: July 1993

c. Project Description: The SCSI-3 Parallel Interface standard will maintain a high degree of compatibility with SCSI-2 while providing documentation for new capabilities including an option to permit 16-bit data transfers on a single cable and expanded bus connectivity options to increase the maximum number of SCSI devices on a cable from 8 to 16 or more. This standard is not intended to address areas above the physical level (such as protocol and command sets). It is intended that this proposed standard could be used in conjunction with the command sets defined in SCSI-2 and/or subsequent versions of SCSI.

d. Publications During Past Year: Three draft documents were distributed.

e. Statement of Progress or Accomplishments During Year: Most of the technical issues have been addressed. Work is continuing on the documentation issues involve in having the SPI document separate from the SIP document.

f. Statement of Status as of This Report: This document is nearly ready for forwarding.

g. Future Plans: Get SPI through the approval process.

h. Reasons for Delay: This is the first SCSI-3 document to near completion. Much of the recent delay has been due to learning how to write standards for a layered architecture.

9. SCSI-3 Interlocked Protocol (SIP)

a. Project 856-D, SCSI-3 Interlocked Protocol

b. Target date for dpANS to X3:

   Original target date: April 1992
   Previous target date: December 1992
   Current target date: January 1994
c. Project Description: The SCSI-3 Interlocked Protocol standard will maintain a high degree of compatibility with the equivalent functions in SCSI-2 while defining several new features and functions. The candidate new features are support of more than 8 devices, dual porting, and other evolutionary features. This standard is intended to be used in conjunction with the SCSI-2 Parallel Interface standard and the SCSI-3 command set standards.

d. Publications During Past Year: A second draft document was distributed.

e. Statement of Progress or Accomplishments During Year: This project has been on hold for much of the year as the editor focused his energy on the SPI document.

f. Statement of Status as of This Report: A service interface description is now available for the SPI document and work is expected to resume on SIP during 1993.

g. Future Plans: Continue development.

h. Reasons for Delay: This project has encountered delays due to the slips in the SCSI-3 Parallel Interface project and in definition of the interface to the SCSI-3 command set documents.

10. SCSI-3 Packetized Protocol (SPP)

a. Project 881-D, SCSI-3 Packetized Protocol

b. Target date for dpANS to X3:

Original target date: December 1992
Previous target date: December 1992
Current target date: none

c. Project Description: The SCSI-3 Packetized Protocol standard will define a generic protocol for transferring SCSI-3 Command Set information in a packetized format. This will permit SCSI commands, data, and status to be transferred over serial interfaces in a highly portable fashion. This approach will minimize the amount of interface-specific information required to map to a given interface. The SCSI-3 Packetized Protocol defines most of the functions it requires and uses minimal services of the specific interface. This protocol is intended to minimize "turn arounds" so that overhead times are minimally dependent on distance.

d. Publications During Past Year: Two draft documents were distributed.

e. Statement of Progress or Accomplishments During Year: Progress was on the draft document has been made and project proposals to split this project into three projects were forwarded by X3T9.2. The projects would be: Generic Packetized Protocol (GPP) [xxx-D], Serial Bus Protocol (SBP) [xxx-D], and Fibre Channel Protocol (FCP) [xxx-D].

f. Statement of Status as of This Report: The X3 letter ballot on dividing the SPP project closed March 9, 1993. The results were not available at the time of this report.

g. Future Plans: Develop the draft documents.

h. Reasons for Delay: Consensus could not be reached on doing just one generic protocol.

11. ATA Extensions

a. Project 948-D, ATA Extensions
b. Target date for dpANS to X3:

Original target date: December 1992
Previous target date: December 1992
Current target date: December 1993

c. Project Description: This project is intended to develop extensions to the draft AT Attachment standard without requiring changes to presently installed devices or existing software. Candidates for features in this standard include items that were identified late in the development of the AT Attachment draft standard and other evolutionary features.

d. Publications During Past Year: none.

e. Statement of Progress or Accomplishments During Year: An editor for this project has been found and several proposals have been submitted.

f. Statement of Status as of This Report: In development.

g. Future Plans: Develop the draft document.

h. Reasons for Delay: Unrealistic target date in the project proposal.

12. **Directly-Addressable Device Interface (DADI)**

a. Project 964-D, Directly-Addressable Device Interface

b. Target date for dpANS to X3:

Original target date: December 1993
Previous target date: December 1993
Current target date: December 1993

c. Project Description: This project is intended to develop a device interface to provide an alternative means of attaching storage devices which is better suited to direct board mounting than the traditional channel model.

d. Publications During Past Year: none.

e. Statement of Progress or Accomplishments During Year: Project approved by X3. Proposals have been solicited.

f. Statement of Status as of This Report: In development.

g. Future Plans: Develop the draft document.

h. Reasons for Delay: No delay to date.
II. Committee Projects: SD-4 Report Input

<table>
<thead>
<tr>
<th>X3 PROJ. No/TYPE</th>
<th>Title</th>
<th>STD. CMPL. DATE</th>
<th>ISO DESIG. NO.</th>
<th>JTC 1 DESIG. NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0052-M</td>
<td>Interfaces Between Flexible Disks and Their Host Controllers [SPARC/83-360]</td>
<td>X3.80-1988</td>
<td>25.10</td>
<td>ISO 9315</td>
</tr>
<tr>
<td>0791-D</td>
<td>AT Attachment Interface for Disk Drives [X3/90-1510]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0817-D</td>
<td>SCSI Technical Information Bulletins [X3/90-2578]</td>
<td>N/A</td>
<td>1993</td>
<td>N/A</td>
</tr>
<tr>
<td>0854-D</td>
<td>SCSI-3 Command Set (SCS) [X3/91-674R]</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0855-D</td>
<td>SCSI-3 Parallel Interface (SPI) [X3/91-676R]</td>
<td></td>
<td>1993</td>
<td></td>
</tr>
<tr>
<td>0856-D</td>
<td>SCSI-3 Interlocked Protocol (SIP) [X3/91-677R]</td>
<td></td>
<td>1993</td>
<td></td>
</tr>
<tr>
<td>0881-D</td>
<td>SCSI-3 Packetized Protocol (SPP) [X3/90-675R]</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0964-D</td>
<td>Directly-Addressable Device Interface (DADI) [?]</td>
<td></td>
<td>1994</td>
<td></td>
</tr>
</tbody>
</table>

III. Committee Activities

a. Previous Year’s Meetings:

February 17-18, 1992; Austin, TX
April 27-28, 1992; St. Petersburg Beach, FL
June 22-23, 1992; Minneapolis, MN
August 17-18, 1992; Seattle, WA
October 12-13, 1992; Ft. Lauderdale, FL
December 7-8, 1992; San Diego, CA

b. Next Year’s Planned Meetings:

February 15-16, 1993; Austin, TX
April 19-20, 1993; St. Petersburg Beach, FL
July 22-23, 1993; Manchester, NH
September 16-17, 1993; Poughkeepsie, NY
November 11-12, 1993; Colorado Springs, CO
c. Officers:

Chairman: John B. Lohmeyer
Vice Chairman: I. Dal Allan
Secretary: Lawrence J. Lamers

d. Membership: The current X3T9.2 membership list at the end of 1992 is attached.


f. Administrative Matters of Note:

X3T9.2 has initiated a program to pay for professional editing services through a surcharge to the committee’s mailing subscription fee. The surcharge is $50/year. The funds are collected by the X3 Secretariat and payments are authorized by X3T9.2 votes. This avoids the difficulty of setting up a task group treasury.

X3T9.2 has rearranged its meeting schedule so that it can hold its plenary meeting at the end of the X3T9.2/X3T9.3 working group week. This should reduce travel costs for task group members. The last X3T9.2 meeting during the X3T9 plenary week will be in April ’93. Starting in July ’93, X3T9.2 will meet on Thursday afternoon and Friday morning of the working group week. This will reduce the number of plenary meetings in 1993 to 5.

g. Procedural Matters of Note:

X3T9.2 needs guidance on a number of patent issues. Some of the issues identified are:

1. What are the obligations of a task group if a patent which may be applicable to a project has been identified and the patent holder declines to issue a “Statement of Patent Holder”?

2. Is the task group obligated to determine whether or not a patent is infringed? If so, is ANSI’s legal counsel available to the committee?

3. Should committee correspondence involving patent issues be reviewed by counsel? Which counsel?

4. Are patent holders required to disclose license agreements executed prior to their signing a “Statement of Patent Holder”?

5. Are holders of previously executed licensed agreements under different terms automatic proof of "unfair discrimination".

6. How is the value of a license agreement determined when it is part of a cross licensing agreement?

7. Must the patent holder license under the same terms and conditions for each applicable standard?

IV. Anticipated Projects

X3T9.2 may submit a project proposal on a local bus version of the AT Attachment interface.

V. Future Trends in This Technical Area

The lower-level I/O interface market is in a state of transition. This is largely the result of technological advances
that permit physically smaller disk drives. These drives will trend toward I/O interfaces that directly attach to host system circuit cards without an interface cable. This has resulted in less emphasis on interfaces employing a cable and more emphasis on interfaces that can either plug directly into a processor card or into a device connector such as the PCMCIA.

Meanwhile, other I/O interface applications such as magnetic tape, printers, and optical devices are trending toward serial interfaces to reduce cabling costs. A key enabling technology for these applications is the higher clock rates now available in CMOS and other circuit technologies.

**Attachments**

- Final 1992 X3T9.2 Membership Summary
- Final 1992 X3T9.2 Document Register
X3T9.2 Final 1991 Document Register

X3T9.2/92-1 Date: Author: J. Lohmeyer [1/21/92]
Desc: X3T9.2 1991 Annual Report
Res:

X3T9.2/92-2 Date: 12/10/91 Author: SC 25/WG 4 Secretariat [1/21/92]
Desc: Standardization Activities in ISO/IEC JTC 1/SC 25/WG 4
Res:

X3T9.2/92-3 Date: 12/10/91 Author: SC 25/WG 4 Secretariat [1/21/92]
Desc: Draft Report of 2nd Mtg of WG 4 held in Bremen, Germany 9/30-10/2 1991
Res:

X3T9.2/92-4 Date: 1/10/92 Author: B. Spence [1/21/92]
Desc: Cable Impedance Revisited
Res:

X3T9.2/92-5 Date: 1/15/92 Author: Lamers/Lohmeyer [1/21/92]
Desc: Houston Working Group Minutes
Res:

X3T9.2/92-6 Rev 1 Date: 7/16/92 Author: K. Jones [9/15/92]
Desc: Enhancement of Sequential Access Command Set for Medium Changers
Res: Parts accepted in principal for SCSI-3

X3T9.2/92-7 Rev 1 Date: 2/13/92 Author: V. Novak [3/24/92]
Desc: Proposed SCSI Identifier Symbols
Res: Accepted for SCSI-3 SPI at 2/92 plenary meeting

X3T9.2/92-8 Date: 1/11/92 Author: W. Burr [1/21/92]
Desc: An Introduction to X3T9 and I/O Interface Standards
Res:

X3T9.2/92-9 Date: 1/7/92 Author: L. Lamers [1/21/92]
Desc: ltr to Mr. Mori responding to his questions in 91-170
Res:

X3T9.2/92-10 Date: 1/13/92 Author: T. Hanan [1/21/92]
Desc: PCMCIA IDE Host Interface Implementation Guide
Res:

X3T9.2/92-11 Date: 1/13/92 Author: C. Runowicz [1/21/92]
Desc: DMA data transfer method as outlined in AT Attachment
Res:

X3T9.2/92-12 Date: 1/14/92 Author: J. Williams [1/21/92]
Desc: CA Clearing Commands
Res:

X3T9.2/92-13 Date: 1/14/92 Author: J. Williams [1/21/92]
Desc: Conflicting Statement on CA and Queue Suspension
Res:

X3T9.2/92-14 Date: 1/10/92 Author: E. Gardner [1/21/92]
Desc: Previewing Linked Commands in SCSI-3
Res:

X3T9.2/92-15 Date: 1/10/92 Author: E. Gardner [1/21/92]
Desc: The Meaning of Linked Commands in SCSI-3
Res:

X3T9.2/92-16 Date: 1/13/92 Author: C. Mosley [1/21/92]
Desc: SCSI-3 Connector Presentation
Res:

X3T9.2/92-17 Date: 1/14/92 Author: F. Samela [1/21/92]
Desc: Signal Line Increased Current Kicker
Res:

X3T9.2/92-18 Date: 1/16/92 Author: L. Lamers [1/21/92]
Desc: DODI Working Group Minutes 1/13/92
Res:

X3T9.2/92-19 Rev 1 Date: 1/24/92 Author: Penokie/Lamers [1/21/92]
Desc: SCSI-3 Queuing Working Group Minutes 1/13/92
Res:

X3T9.2/92-20 Date: 1/14/92 Author: B. Spence [1/21/92]
Desc: SPI Working Group Minutes for January 1992
Res:

X3T9.2/92-21 Date: Author: J. Lohmeyer [1/21/92]
Desc: SPP Working Group Minutes 1/15/92
Res:

X3T9.2/92-22 Date: 1/17/92 Author: Penokie/ Mosley [1/21/92]
Desc: SPI Connector Contact Working Group Minutes 1/15/92
Res:

X3T9.2/92-23 Date: 1/1/92 Author: M. Mitoma [1/21/92]
Desc: Serial Storage Architecture
Res:

X3T9.2/92-24 Date: 1/15/92 Author: I. Judd [1/21/92]
Desc: A Serial Link for Storage Subsystems (presentation)
Res:

X3T9.2/92-25 Date: 11/15/91 Author: I. Judd [1/21/92]
Desc: A Serial Link for Storage Subsystems (paper)
Res:

X3T9.2/92-26 Date: 12/12/91 Author: C. Butterworth [1/21/92]
Desc: Serial Storage Architecture SSA-0 (Transport Layer) Ver 1.0
Res:

X3T9.2/92-27 Date: 12/12/91 Author: C. Butterworth [1/21/92]
Desc: Serial Storage Architecture SSA-1 (Disk Order Level) Ver 1.0
Res:
X3T9.2/92-28 Date: 1/14/92 Author: M. Jordan [1/21/92]
Desc: Fast Single Ended SCSI Terminator Concept -- Active Negation Emulator
Res:

X3T9.2/92-29 Date: 1/18/92 Author: Dal Allan [1/21/92]
Desc: Translation of IP1-3 Command Queuing to SCSI Language
Res:

X3T9.2/92-30 Date: 1/31/92 Author: L. Lamers [3/24/92]
Res: n.a.

X3T9.2/92-31 Date: 2/5/92 Author: Smyers, Neer, & Newsom [3/24/92]
Desc: Alternate P-Cable Connector for SCSI-3
Res: On General WG Agenda 3/16/92 17:00

X3T9.2/92-32 Date: 2/11/92 Author: K. Chan [3/24/92]
Desc: Fast SCSI Timing Problems and Solutions
Res: Assigned to SPI WG

X3T9.2/92-33 Date: 2/7/92 Author: S. Smyers [3/24/92]
Desc: Proposed Requirements for SCSI-3 devices which use P1394 Physical I/F
Res: To be included in Annex of SBP document

X3T9.2/92-34 Date: 2/14/92 Author: J. P. McGrath [3/23/92]
Desc: DMA Meeting at HP-PCG on 1/24/92
Res: On ATA Extensions agenda for 3/16/92 14:00

X3T9.2/92-35 Rev 2 Date: 4/28/92 Author: G. Penokie [5/14/92]
Desc: SCSI-3 Alt 1 Connector Requirements
Res: Accepted for SCSI-3 Parallel Interface

X3T9.2/92-36 Date: 2/18/92 Author: B. Spence [3/24/92]
Desc: Termination of Reserved Lines
Res:

X3T9.2/92-37 Date: 2/18/92 Author: B. Ham [3/24/92]
Desc: Specifications for SPI Transceivers
Res:

X3T9.2/92-38 Date: 2/13/92 Author: F. Oprusc [3/24/92]
Desc: Proposal for Glitch Immunity Specification
Res:

X3T9.2/92-39 Date: 2/12/92 Author: A. Crick [3/24/92]
Desc: Microsoft concerns with the CAM XPT/SIM document
Res:

X3T9.2/92-40 Date: 2/21/92 Author: Lamers/Lohmeyer [3/24/92]
Desc: X3T9.2 Meeting #98 Minutes -- February 17, 1991
Res: n.a.

X3T9.2/92-41 Date: 2/22/92 Author: Lamers/Penokie [3/24/92]
Desc: Austin Queuing Working Group Minutes
Res: n.a.

X3T9.2/92-42 Date: 12/30/91 Author: R. Gibson [3/24/92]
Desc: International Participation Fee
Res:

X3T9.2/92-43 Date: 2/18/92 Author: Spence/Lamers [3/24/92]
Desc: SPI Working Group Minutes for February 1992
Res: n.a.

X3T9.2/92-44 Date: Author: J. Tecco [3/24/92]
Desc: May 1992 Working Group Announcement
Res:

X3T9.2/92-45 Rev 1 Date: 4/27/92 Author: Charles Monia [5/14/92]
Desc: Introduction to Packetized SCSI
Res:

X3T9.2/92-46 Rev 1 Date: 3/20/92 Author: G. Houlder [3/24/92]
Desc: Request for new Additional Sense Codes
Res: On Apr '92 WG agenda

X3T9.2/92-47 Date: 3/12/92 Author: E. Gardner [3/24/92]
Desc: Request for Sequential-Access Density Codes
Res:

X3T9.2/92-48 Date: 3/12/92 Author: J. McGrath [3/24/92]
Desc: Molex Pin Chamfer Proposal
Res:

X3T9.2/92-49 Date: 3/16/92 Author: C. Hosley [3/24/92]
Desc: SCSI-3 Connector
Res:

X3T9.2/92-50 Date: 3/17/92 Author: B. Spence [3/24/92]
Desc: 8-bit Drives Within a 16-bit SCSI System
Res:

X3T9.2/92-51 Date: 3/16/92 Author: T. Newsom [3/24/92]
Desc: Presentation on Alternative Ribbon Connector for SCSI-3
Res:

X3T9.2/92-52 Date: 9/4/90 Author: T. Newsom [3/24/92]
Desc: IBM Procurement Specification on Mini Ribbon D Shell Connector
Res:

X3T9.2/92-53 Date: 2/18/91 Author: T. Newsom [3/24/92]
Desc: Burndy Specification on Microshield (tm) Receptacle
Res:

X3T9.2/92-54 Date: Author: T. Newsom [3/24/92]
Desc: AMP Specification on Receptacle Assembly, 60 Position, Champ .050
Res:

X3T9.2/92-55 Date: 1/31/90 Author: T. Newsom [3/24/92]
Desc: Molex Specification on Mini Ribbon Shielded Connector
Res:
X3T9.2/92-56 Date: 3/12/92 Author: A. Wilhelm [3/24/92] Desc: Proposal to modify Device Type 0 to support Media Interchange Res:


X3T9.2/92-59 Date: 2/17/92 Author: B. Ham [3/24/92] Desc: Electrical Impacts of SCSI Hot Plugging Res:


X3T9.2/92-63 Rev 1 Date: 5/15/92 Author: J. Blagaila [7/15/92] Desc: Integral Peripherals 68 Pin IDE Pinout Res:

X3T9.2/92-64 Date: 12/18/91 Author: Hanan & Abrahamsson [3/24/92] Desc: PCMCIA IDE Drive Auto Select Proposal Res:

X3T9.2/92-65 Rev 1 Date: 5/15/92 Author: S. Shah [7/15/92] Desc: Support for Greater than 528MB ATA Drive Res:

X3T9.2/92-66 Date: 1/28/92 Author: [3/24/92] Desc: IBM 9333 SCSI Mapping Res:


X3T9.2/92-68 Date: 3/16/92 Author: B. Herron [3/24/92] Desc: 3M High-Density .050" * .06" Ribbon Style Interconnect System Res:

X3T9.2/92-69 Date: 3/13/92 Author: B. Bellino [3/24/92] Desc: Madison Cable Impedance Variations Res:


X3T9.2/92-73 Date: 2/27/92 Author: D. Shoemaker [3/24/92] Desc: ltr to Don Laughery re IDE MCA/X3T9 Memory Attach Strategy Res:

X3T9.2/92-74 Rev 1 Date: 3/18/92 Author: S. Shah [] Desc: Public Review Comment on AT Attachment (BSR X3.221) Res:

X3T9.2/92-75 Date: 3/18/92 Author: J. Gallant [3/24/92] Desc: Creating a TIB for SCSI-2 Tag Queuing working model. Res:

X3T9.2/92-76 Date: 3/16/92 Author: G. Penokie [3/24/92] Desc: Connector Contact Working Group Meeting Minutes 3/16/92 Res:

X3T9.2/92-77 Date: 4/13/92 Author: John Lohmeyer [5/14/92] Desc: Response to M. Freeman of MSC on his 4/6/92 letter Res:

X3T9.2/92-78 Date: 4/6/92 Author: M. Freeman [5/14/92] Desc: Letter to John Lohmeyer on NAS/MSC F1265 Res:

X3T9.2/92-79 Rev 3 Date: 8/15/92 Author: Charles Monia [9/15/92] Desc: working draft of the SCSI-3 Architecte Model (SAM) Res:


X3T9.2/92-81 Date: 4/6/92 Author: Lynn Barra [5/14/92] Desc: Transmittal of Public Review Comment #1 ATA Res:

X3T9.2/92-82 Date: 4/7/92 Author: Lynn Barra [5/14/92] Desc: Approval of Project Proposal for AT Attachements Extensions Res:

X3T9.2 Annual Report for 1992

X3T9.2/92-84 Rev 1 Date: 4/24/92 Author: L. Lamers [5/14/92]
Desc: Preparing Documents for Committee Mailings
Res:

Desc: Change Inquiry Mode Page
Res:

X3T9.2/92-86 Date: 4/27/92 Author: D.W. Spence [5/14/92]
Desc: SCSI Implementation in a 3.3 volt Environment
Res:

X3T9.2/92-87 Date: 4/27/92 Author: D.W. Spence [5/14/92]
Desc: Key Changes Proposed for the SPI Standard
Res:

X3T9.2/92-88 Date: 4/23/92 Author: J. Gallant [5/14/92]
Desc: Two Changes for the CAM document
Res: Accepted for CAM rev 3.0

X3T9.2/92-89 Date: 4/17/92 Author: D. Rundle [5/14/92]
Desc: Status of IEC 48B Standards Efforts
Res:

X3T9.2/92-90 Date: 4/27/92 Author: P. Crowell [5/14/92]
Desc: Presentation Follis of Serial DS-Link Technology
Res:

X3T9.2/92-91 Date: 4/8/92 Author: J. McGrath [5/14/92]
Desc: Tolerance Analysis of P-cable Connection
Res:

X3T9.2/92-92 Date: 4/28/92 Author: J. Lohmeyer [5/14/92]
Desc: Letter to M. Freeman on Grass Roots
Res:

X3T9.2/92-93 Rev 2 Date: 6/22/92 Author: B. Ham [7/15/92]
Desc: SCSI-3 Connector Framework
Res:

X3T9.2/92-94 Date: 3/13/92 Author: I. Dal Allan [5/14/92]
Desc: Information Package on 1988 Connector Decision
Res:

X3T9.2/92-95 Rev 1 Date: 5/14/92 Author: Lamers/Lohmeyer [5/14/92]
Desc: Minutes of X3T9.2 Plenary Meeting #99
Res:

X3T9.2/92-96 Date: 4/27/92 Author: T. Asami [5/14/92]
Desc: Pin Capacitance of a SCSI Controller LSI
Res:

X3T9.2/92-97 Date: 4/27/92 Author: B. Ham [5/14/92]
Desc: Requirement for Glitch Free Power Up/Down
Res:

X3T9.2/92-98 Date: 4/29/92 Author: M. Freeman [5/14/92]
Desc: IEEE P1285 PAR
Res:

X3T9.2/92-99 Date: 4/13/92 Author: I. Dal Allan [5/14/92]
Desc: Connector Agenda Items
Res:

X3T9.2/92-100 Date: 5/4/92 Author: Spence/Lamers [5/14/92]
Desc: SPI Working Group Minutes for April 1992
Res:

X3T9.2/92-101 Rev 1 Date: 5/1/92 Author: I. Dal Allan [5/14/92]
Desc: Project Proposal for SCSI-3 Generic Packetized Protocol
Res:

X3T9.2/92-102 Rev 1 Date: 5/1/92 Author: I. Dal Allan [5/14/92]
Desc: Project Proposal for SCSI-3 Serial Bus Protocol
Res:

X3T9.2/92-103 Rev 1 Date: 5/1/92 Author: I. Dal Allan [5/14/92]
Desc: Project Proposal for SCSI-3 Fiber Channel Protocol
Res:

X3T9.2/92-104 Date: 5/1/92 Author: I. Dal Allan [5/14/92]
Desc: Project Proposal for SCSI-3 Architecture Model
Res:

X3T9.2/92-105 Rev 1 Date: 8/29/92 Author: I. Dal Allan [9/15/92]
Desc: Project Proposal for SCSI-3 Core Commands
Res:

X3T9.2/92-106 Rev 1 Date: 8/29/92 Author: I. Dal Allan [9/15/92]
Desc: Project Proposal for SCSI-3 Block Commands
Res:

X3T9.2/92-107 Rev 1 Date: 8/29/92 Author: I. Dal Allan [9/15/92]
Desc: Project Proposal for SCSI-3 Stream Commands
Res:

X3T9.2/92-108 Rev 1 Date: 8/29/92 Author: I. Dal Allan [9/15/92]
Desc: Project Proposal for SCSI-3 Graphic Commands
Res:

X3T9.2/92-109 Rev 1 Date: 8/29/92 Author: I. Dal Allan [9/15/92]
Desc: Project Proposal for SCSI-3 Medium Changer Commands
Res:

X3T9.2/92-110 Date: 4/13/92 Author: D. Smythe [5/14/92]
Desc: IDE (ATA) Document Changes
Res:

X3T9.2/92-111 Rev 1 Date: 7/27/92 Author: Peter Dougherty [9/15/92]
Desc: Additional ASC/ASCQ Codes for Data Compression
Res: Accepted for SCSI-3 at August 92 plenary
<table>
<thead>
<tr>
<th>Document Number</th>
<th>Date</th>
<th>Author</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3T9.2/92-112</td>
<td>5/5/92</td>
<td>Scott Smyers</td>
<td>Proposal for Alternate 68 Position P Connector</td>
</tr>
<tr>
<td>X3T9.2/92-113</td>
<td>5/5/92</td>
<td>John A. Gallant</td>
<td>April 28 SCSI-2 Queuing TIB Working Group Meeting Minutes</td>
</tr>
<tr>
<td>X3T9.2/92-114</td>
<td>5/7/92</td>
<td>Kurt Chan</td>
<td>Transceiver skew recommendations</td>
</tr>
<tr>
<td>X3T9.2/92-115</td>
<td>5/7/92</td>
<td>Kurt Chan</td>
<td>Cable length requirements</td>
</tr>
<tr>
<td>X3T9.2/92-116</td>
<td>5/18/92</td>
<td>Charles Monia</td>
<td>Facetized SCSI System Models</td>
</tr>
<tr>
<td>X3T9.2/92-118</td>
<td>4/27/92</td>
<td>Robert Herron</td>
<td>DM Presentation on MDR Connector</td>
</tr>
<tr>
<td>X3T9.2/92-119</td>
<td>5/14/92</td>
<td>Thomas Herron</td>
<td>ATA Extensions Proposal -- ATA 68 Pin Connection</td>
</tr>
<tr>
<td>X3T9.2/92-120</td>
<td>5/18/92</td>
<td>John Goldman</td>
<td>Mapping the ATA Interface onto the SFF 68-pin Connector</td>
</tr>
<tr>
<td>X3T9.2/92-121</td>
<td>5/14/92</td>
<td>Thomas Herron</td>
<td>ATA Command 0 (No Operation) Proposal</td>
</tr>
<tr>
<td>X3T9.2/92-123</td>
<td>5/14/92</td>
<td>Kevin Gingerich</td>
<td>Proposed Change to SPI</td>
</tr>
<tr>
<td>X3T9.2/92-124</td>
<td>5/15/92</td>
<td>Steve Hunley</td>
<td>Proposed Change to SPI</td>
</tr>
<tr>
<td>X3T9.2/92-125</td>
<td>5/14/92</td>
<td>I. Dal Allen</td>
<td>Letter on Patents to Steve Cornaby</td>
</tr>
<tr>
<td>X3T9.2/92-126</td>
<td>5/21/92</td>
<td>L. Lamers</td>
<td>Minutes of the X3T9.2 May General Working Group</td>
</tr>
<tr>
<td>X3T9.2/92-127</td>
<td>5/21/92</td>
<td>Lamers/Spence</td>
<td>SPI Working Group Minutes for May 1992</td>
</tr>
<tr>
<td>X3T9.2/92-128</td>
<td>5/27/92</td>
<td>Rich Misia</td>
<td>Raw Cable Impedance and Bend Radius Test Results</td>
</tr>
<tr>
<td>X3T9.2/92-129</td>
<td>5/26/92</td>
<td>R. Whiteman</td>
<td>P-Cable connector dimension &amp; tolerance study</td>
</tr>
<tr>
<td>X3T9.2/92-130</td>
<td>11/6/92</td>
<td>Kyle Robison</td>
<td>Synchronization Status &amp; Errors</td>
</tr>
<tr>
<td>X3T9.2/92-131</td>
<td>8/13/92</td>
<td>S. Smyers</td>
<td>A Common Command Unit Architecture</td>
</tr>
<tr>
<td>X3T9.2/92-132</td>
<td>6/4/92</td>
<td>Lynn Barra</td>
<td>Transmittal of Public Review Comment #2 (ATA)</td>
</tr>
<tr>
<td>X3T9.2/92-133</td>
<td>11/16/92</td>
<td>Scott Smyers</td>
<td>Disconnect control on initial connection</td>
</tr>
<tr>
<td>X3T9.2/92-134</td>
<td>8/4/92</td>
<td>Jeffrey Williams</td>
<td>Response to 92-111</td>
</tr>
<tr>
<td>X3T9.2/92-135</td>
<td>7/20/92</td>
<td>Ed Gardner</td>
<td>SCSI-3 Serial Bus Protocol (SBB)</td>
</tr>
<tr>
<td>X3T9.2/92-136</td>
<td>6/19/92</td>
<td>H. Waltersdorf</td>
<td>Internal Non-Shielded Connectors</td>
</tr>
<tr>
<td>X3T9.2/92-137</td>
<td>5/19/92</td>
<td>B. Ham</td>
<td>Hot Plugging Requirements for SPI</td>
</tr>
<tr>
<td>X3T9.2/92-138</td>
<td>6/23/92</td>
<td>B. Ham</td>
<td>Single SCSI cable for all forms of SCSI</td>
</tr>
<tr>
<td>X3T9.2/92-139</td>
<td>8/11/92</td>
<td>S. Cornaby</td>
<td>Appendix for SPI on Unitized Connector</td>
</tr>
</tbody>
</table>
X3T9.2/92-140 Date: 6/10/92 Author: Lynn Barra [7/15/92]  
Desc: Transmittal of Public Review Comment #3 (ATA)  
Res:  
X3T9.2/92-141 Rev 5 Date: 10/10/92 Author: G. Penokie [11/15/92]  
Desc: SCSI-3 Queuing Model  
Res:  
X3T9.2/92-142 Date: 6/23/92 Author: J. P. McGrath [9/15/92]  
Desc: ATA Public review comments  
Res:  
X3T9.2/92-143 Date: 6/23/92 Author: J. P. McGrath [9/15/92]  
Desc: Capacitance on SCSI Signal Lines  
Res:  
X3T9.2/92-144 Date: 6/25/92 Author: L. Lamers [7/15/92]  
Desc: Minutes of X3T9.2 Plenary Meeting #100  
Res:  
X3T9.2/92-145 Date: Author: John Schible [9/15/92]  
Desc: SCSI mapping for SSA  
Res:  
X3T9.2/92-146 Date: 7/15/92 Author: Lynn Barra [9/15/92]  
Desc: Public Review Comment #1 on SCSI-2  
Res:  
X3T9.2/92-147 Date: 8/21/92 Author: Del Shoemaker [9/15/92]  
Desc: Response to SCSI-2 Public Review Comment #1  
Res:  
X3T9.2/92-148 Rev 2 Date: 7/21/92 Author: D. Steele [9/15/92]  
Desc: Active Negation Driver Requirements for SPI  
Res:  
X3T9.2/92-149 Rev 1 Date: Author: John Geldman [9/15/92]  
Desc: Demand Mode DMA ATA  
Res:  
X3T9.2/92-150 Rev 1 Date: Author: Tom Debiec [11/15/92]  
Desc: Cable Document  
Res:  
X3T9.2/92-151 Date: 7/17/92 Author: Mehran Ramezani [9/15/92]  
Desc: Two new commands for ATA  
Res:  
X3T9.2/92-152 Date: 7/20/92 Author: Mehran Ramezani [9/15/92]  
Desc: DMA Timing Changes In ATA  
Res:  
X3T9.2/92-153 Date: 7/18/92 Author: Edward A. Gardner [9/15/92]  
Desc: Comments on Blind-pluggable Connector  
Res:  
X3T9.2/92-154 Rev 1 Date: 10/15/92 Author: J. Gallant [11/15/92]  
Desc: Extensions to the Common Access Method (CAM-2)  
Res:  
X3T9.2/92-155 Date: 7/21/92 Author: C. Mosley [9/15/92]  
Desc: Connector Requirements  
Res: Accepted for inclusion in SCSI-3 August 92.  
X3T9.2/92-156 Date: 7/18/92 Author: Florin Oprescu [9/15/92]  
Desc: SCSI Termination Sensing Proposal  
Res:  
X3T9.2/92-157 Rev 5 Date: 9/21/92 Author: Shashir Shah [11/15/92]  
Desc: LBA address for ATA  
Res:  
X3T9.2/92-158 Date: 7/23/92 Author: L. Lamers [9/15/92]  
Desc: Minutes of July 1992 General Working Group  
Res:  
X3T9.2/92-159 Date: 7/30/92 Author: D.W. Spence [9/15/92]  
Desc: SPI Working Group Minutes  
Res:  
X3T9.2/92-160 Date: Author: Dean Wallace [11/15/92]  
Desc: TI Constant Current Mode Terminator  
Res:  
X3T9.2/92-161 Date: Author: Florin Oprescu [9/15/92]  
Desc: Termination Sensing Proposal  
Res:  
X3T9.2/92-162 Rev 1 Date: 7/31/92 Author: G. Houlder [9/15/92]  
Desc: New ASC/ASCQ for Power-on Reset  
Res:  
X3T9.2/92-163 Date: 8/18/92 Author: Charles Monia [9/15/92]  
Desc: Domain Definitions and Linked Commands (SAM)  
Res:  
X3T9.2/92-164 Rev 1 Date: 9/14/92 Author: J. Williams [11/15/92]  
Desc: Request for Addition of New Density Codes  
Res:  
X3T9.2/92-165 Date: 8/18/92 Author: R. Gannon [11/15/92]  
Desc: Serial Cable Prototype  
Res:  
X3T9.2/92-166 Date: 8/18/92 Author: L. Lamers [9/15/92]  
Desc: X3T9.2 Meeting #101 Minutes  
Res:  
X3T9.2/92-167 Date: 8/18/92 Author: J. Lohmeyer [9/15/92]  
Desc: Proposed SPARC Policy on Conformance Testing  
Res:
X3T9.2/92-196  Date: 10/9/92  Author: Dal Allan  [11/15/92]
Desc: Small Form Factor SPI Annex
Res:

X3T9.2/92-197  Date: 10/12/92  Author: Dennis Pak  [11/15/92]
Desc: IEEE P1285 Liaison Report
Res:

X3T9.2/92-198  Date: 10/9/92  Author: John Lohmeyer  [11/15/92]
Desc: Proposal for Funding X3T9.2 Technical Editors
Res:

X3T9.2/92-199 Rev 4  Date: 12/8/92  Author: Gerald Marazas  [1/15/93]
Desc: SCSI-3 Serial Bus Protocol
Res:

X3T9.2/92-200  Date: 10/15/92  Author: Lamers/Lohmeyer  [11/15/92]
Desc: Minutes of X3T9.2 Meeting #102
Res:

X3T9.2/92-201  Date: 9/8/92  Author: Daniel Arnold  [11/15/92]
Desc: OASIS Update
Res:

X3T9.2/92-202 Rev 1  Date: 10/12/92  Author: Charles Monia  [11/15/92]
Desc: SAM Addressing Proposal
Res:

X3T9.2/92-203  Date: 10/15/92  Author: Lamers/Spence  [11/15/92]
Desc: SPI Working Group Minutes for October 1992
Res:

X3T9.2/92-204 Rev 2  Date: 12/7/92  Author: Lamers/Freeman  [1/15/93]
Desc: Minutes of Grass Roots Meeting #2 -- 10/1/92
Res:

X3T9.2/92-205  Date: 10/19/92  Author: L. Lamers  [11/15/92]
Desc: ATA letter ballot on pr responses
Res:

X3T9.2/92-206  Date: 10/19/92  Author: L. Lamers  [11/15/92]
Desc: CAM-2 letter ballot
Res:

X3T9.2/92-207  Date: 10/29/92  Author: L. Lamers  [11/15/92]
Desc: Letter on International Participation Fee
Res:

X3T9.2/92-208  Date: 10/22/92  Author: D. Arnold  [11/15/92]
Desc: Call for X3T9.2 Chairmen
Res:

X3T9.2/92-209  Date: 10/22/92  Author: D. Arnold  [11/15/92]
Desc: Call for X3T9.2 Vice-Chairman
Res:

X3T9.2/92-210  Date: 11/5/92  Author: Tom Debiec  [11/15/92]
Desc: Proposed Cable Preparation Procedure
Res:

X3T9.2/92-211 Rev 1  Date: 12/17/92  Author: J. Lohmeyer  [1/15/93]
Desc: Jeopardy Letter for Meeting Attendance
Res:

X3T9.2/92-212  Date: 9/28/92  Author: Junzo Neriishi  [11/15/92]
Desc: Request for Interpretation - SCSI-2 Synch Transfers
Res:

X3T9.2/92-213  Date: 10/29/92  Author: J. Schwible  [11/15/92]
Desc: Project Proposal for Serial Storage Architecture - Physical (SSA-PH)
Res:

X3T9.2/92-214  Date: 11/10/92  Author: R. DeKonig  [1/15/93]
Desc: Queue Full Handling
Res:

X3T9.2/92-215  Date: 10/10/92  Author: B. Ham  [1/15/93]
Desc: 50 line to 68 line connections for SPI
Res:

X3T9.2/92-216  Date: 11/10/92  Author: B. Ham  [1/15/93]
Desc: Where does SPI really fit in SCSI
Res:

X3T9.2/92-217  Date: 11/10/92  Author: G. Milligan  [1/15/93]
Desc: SCSI Caching Large Segment Control
Res:

X3T9.2/92-218 Rev 1  Date: 11/10/92  Author: G. Milligan  [1/15/93]
Desc: Global Logging Target Save Disable Bit
Res: recommended for inclusion in SCSI-3

X3T9.2/92-219 Rev 1  Date: 12/3/92  Author: T. Asami  [1/15/93]
Desc: Proposal for Hot Plug Leakage Current Specification
Res:

X3T9.2/92-220  Date: 11/6/92  Author: J. Goldie  [1/15/93]
Desc: Differential Test Circuit Modifications
Res:

X3T9.2/92-221  Date: 11/6/92  Author: J. Goldie  [1/15/93]
Desc: Resolving the ATA Multi-word DMA Timing
Res:

X3T9.2/92-222  Date: 11/13/92  Author: Lamers/Allan  [1/15/93]
Desc: Minutes of ATA November '92 Working Group Meeting
Res:

X3T9.2/92-223  Date: 11/13/92  Author: Lamers/Penokie  [1/15/93]
Desc: Minutes of RAID November '92 Study Group Meeting
Res:
X3T9.2/92-224 Date: 11/13/92 Author: Lamers/Lohmeyer [1/15/93]
Desc: Minutes of November '92 General Working Group Meeting
Res:

X3T9.2/92-225 Date: 11/30/92 Author: R. Weber [1/15/93]
Desc: SCSI-3 Primary Commands - Working Document Outline
Res:

X3T9.2/92-226 Date: 11/30/92 Author: R. Weber [1/15/93]
Desc: SCSI-3 Primary Commands - Approved Additions
Res:

X3T9.2/92-227 Rev 2 Date: 12/7/92 Author: C. Monia [1/15/93]
Desc: Revised SAM Model
Res:

X3T9.2/92-228 Date: 12/8/92 Author: E. Gardner [1/15/93]
Desc: SCSI-3 SFP Tap Fetch Ordering Example
Res:

X3T9.2/92-229 Date: 12/10/92 Author: Lamers/Lohmeyer [1/15/93]
Desc: Minutes of X3T9.2 Plenary Meeting #103
Res:

X3T9.2/92-230 Date: 12/7/92 Author: Lamers/Penokie [1/15/93]
Desc: Minutes of X3T9.2 RAID Study Group Meeting #2
Res:

X3T9.2/92-231 Date: 12/5/92 Author: G. Stephens [1/15/93]
Desc: SCSI-2 Options Selection Document
Res:

X3T9.2/92-232 Date: 12/7/92 Author: D. Pak [1/15/93]
Desc: IEEE P1285 Liaison Report
Res:

X3T9.2/92-233 Date: Author: J. Scheible [1/15/93]
Desc: SSA Liaison Report
Res:

X3T9.2/92-234 Date: 12/8/92 Author: D.W. Spence [1]
Desc: Test Procedure - Maximum Signal Capacitance
Res:

X3T9.2/92-235 Date: 12/8/92 Author: L. Lamers [1/15/93]
Desc: Clarification of Synchronous Handshake
Res:

X3T9.2/92-236 Date: 12/9/92 Author: D.W. Spence [1/15/93]
Desc: Test Procedure for Maximum Signal Capacitance
Res:

X3T9.2/92-237 Date: 12/9/92 Author: D.W. Spence [1/15/93]
Desc: Proposed New Wording for Terminator Power
Res:

X3T9.2/92-238 Date: 12/10/92 Author: B. Dallas [1/15/93]
Desc: CAM-2 Study Group Report
Res:

X3T9.2/92-239 Date: 12/3/92 Author: Gerald B. Rosenberg [1/15/93]
Desc: PrairieTek Patents/ANSI Patent Policy
Res:

X3T9.2/92-240 Date: 11/11/92 Author: Chuck Duquette [1/15/93]
Desc: Letter to CBEMA on US Design SCSI-2 Comment
Res:

X3T9.2/92-241 Date: 12/17/92 Author: J. Lohmeyer [1/15/93]
Desc: Jeopardy Letter for Letter Ballots
Res:

X3T9.2/92-242 Date: 12/17/92 Author: J. Lohmeyer [1/15/93]
Desc: Letter to Toshiba on Request for Interpretation
Res:

X3T9.2/92-243 Date: 12/30/92 Author: J. Lohmeyer [1/15/93]
Desc: Letter Ballot for ATA second public review
Res:

X3T9.2/92-244 Date: 12/16/92 Author: J. Lohmeyer [1/15/93]
Desc: Letter to Del on SCSI-3 Project Proposals
Res:

X3T9.2/92-245 Date: 12/21/92 Author: R. Jesup [1/15/93]
Desc: Comments for the CAM group of the SCSI X3T9
Res:

X3T9.2/92-246 Date: 1/3/93 Author: I. Dal Allan [1/15/93]
Desc: AT Attachment Interface for Disk Drives
Res: