

Subj: Minutes of X3T10 SCC Working Group Meeting - July 19, 1994  
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Accredited Standards Committee  
X3, Information Processing Systems

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Reply to: G. Penokie

To: Membership of X3T10  
From: George Penokie and Ruben Yomtobian  
Subject: Minutes of X3T10 SCC Working Group Meeting - July 19, 1994

#### AGENDA

1. Opening Remarks
2. Attendance and Membership
3. Approval of Agenda
4. Report on last RAID Working Group
5. SCSI-3 Controller Commands Working Draft (1047D Rev 0) Penokie
6. Action Items
7. Meeting Schedule
8. Adjournment

#### Results of Meeting

##### 1. Opening Remarks

George Penokie convened the meeting at 9:00 am, Tuesday, July 19, 1994. He thanked Ralph Weber of Digital for hosting the meeting.

As is customary, the people attending introduced themselves. A copy of the attendance list was circulated for attendance and corrections.

It was stated that the meeting had been authorized by X3T10 and would be conducted under the X3 rules. Working group meetings take no final actions, but prepare recommendations for approval by the X3T10 task group. The voting rules for the meeting are those of the parent committee, X3T10. These rules are: one vote per company; and any participating company member may vote.

The minutes of this meeting will be posted to the SCSI BBS and the SCSI Reflector and will be included in the next committee mailing.

George stated that this is the second X3T10 SCC working group. The purpose of the group is to deal with interface issues related to using RAID's. The study group will assess the issues and then formulate a strategy for dealing with them.

##### 2. Attendance and Membership

Attendance at working group meetings does not count toward minimum attendance requirements for X3T10 membership. Working group meetings are open to any person or company to attend and to express their opinion on the subjects being discussed.

#### RAID Study Group Meeting Attendees

Attendee	Company	Email Address
Vince Bastiani	Adaptec	bastiani@swss.adaptec.com
Randy Hall	Array Technology	hall@arraytech.com
Jerry Fredin	AT&T/GIS	jerry.fredin@wichitaks.ncr.com
M. Jibbe	AT&T/GIS	mahmoud.jibbe@wichitaks.ncr.com
John McDaniel	Avid Technology	jmcdanie@avid.com
George Su	CMD	gsu@cmd.com
Doug Hagerman	Digital	hagerman@starch.enet.dec.com
Paul Massiglia	Digital	massiglia@genral.enet.dec.com
Bill Dallas	Digital	dallas@wasteal.enet.dec.com
Ralph Weber	Digital	weber@star.enet.dec.com
Ruben Yomtobian	Hitachi	r_yomtob_hitachi.com
Bill Hutchinson	HP	hutch@boi.hp.com
Giles Frazier	IBM	gjrazier@ausvm6.vnet.ibm.com
George Penokie	IBM	gop@rchvmp3.vnet.ibm.com
Dennis Ehrenbock	IBM	dje@rchvmp3.vnet.ibm.com
Bruce McNutt	IBM	b_mcnutt@vnet.ibm.com
Paul Hodges	IBM	phodges@vnet.ibm.com
John Baudrexl	Intellistor/Fujitsu	baudrexl@intellistor.com
David Fellingner	Mega Drived	fellingner@ul201.megadrive.com
Erich Oeffing	Storage Tek	erich_oeffing@stortek.com
Joe Molina	Technology Forums	

#### 3. Approval of Agenda

The agenda developed at the meeting was approved.

#### 4. Report on last RAID Working Group

Last RAID Working Group was held in Minneapolis, MN. Several members of the RAID Advisory Board were present. George stated that the minutes of the Minneapolis, MN meeting have been published on the SCSI Reflector.

#### 5. SCSI-3 Controller Commands Working Draft (1047D Rev 0) Penokie

George Penokie presented Rev 0 of the SCSI-3 Controller Commands working draft.

SCC rev 0 has incorporated the following four documents:

- SDA Model (94-040r5)
- SDA States and Types (94-041r6)
- SDA Commands and Mode Pages (94-042r6)
- SCSI-3 Logical Unit Addressing (94-031r2)

There was discussion and, as a result, changes will be made to the SCC. The major changes/additions agreed to were:

- Add in a Vendor Specific bit into the target base device states.
- Add a device type field into the format of logical unit states descriptor.
- Removed the DACL state from the component device states.
- Added a SCSI-3 disk array automatic LUN assignment bit to the following service actions:

- Add peripheral device/component device service action
- Create/modify redundancy group service action
- Create/modify volume set service action
- Create/modify p\_extent spare service action
- Create/modify peripheral device/component device spare service action
- Add a new service action named Break Peripheral Device Service Action

6. Action Items

- a)George Penokie to prepare a rev 1 draft of the SCC document.
- b)George Penokie to prepare are educational presentation to be given during the September X3T10 meeting week.

7. Meeting Schedule

The next meeting of the X3T10 SCC working group is planned for Aug 16, 1994 at the Keystone Resort in Keystone, CO. The meeting is scheduled to run from 9:00am - 5:00pm.

8. Adjournment

The meeting was adjourned at 5:00 pm. on Tuesday, July 19, 1994