Accredited Standards Committee
X3, Information Processing Systems

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 RAIDs.  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 Fellinger     Mega Drived         fellinger@u1201.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 discriptor.
-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 October 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