To: Membership of X3T10

From: George Penokie

Subject: Minutes of X3T10 SCC Working Group Meeting -March 12, 1996

AGENDA

1. Opening Remarks
2. Attendance and Membership
3. Approval of Agenda
4. Report on status of the SCC standard
5. Discussion of SCSI-3 fault tolerant controller configurations proposal
6. SCC-2
7. Action Items
8. Meeting Schedule
9. Adjournment

Results of Meeting

1. Opening Remarks

George Penokie convened the meeting at 9:00 am, Tuesday, March 12, 1996. He thanked Skip Jones of QLogic for hosting the meeting.

This is a joint meeting of the X3T10 SCSI Controller Commands working group and the RAB Host Interface 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.

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.

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.
3. Approval of Agenda

The agenda developed at the meeting was approved.

4. Report on status of the SCC standard

The SCC standard rev 6 has comment and will move to X3 for approval.

5. Discussion of SCSI-3 fault tolerant controller configurations proposal

George Penokie gave a presentation on what commands are available for determining the physical mapping of devices within SCC devices. The two commands described were Inquiry and Report LUN commands. George also gave examples of LUN_Ps and LUN_Vs that would be returned for a Report LUNs command for a sample array configuration.

Next George went on the describe the problem of cross domain component attachments. The group agreed there is a requirement to have components attached across SCSI domains. To accomplish this the following needs to be added to SCC.

-Add bytes to the Logical Unit Discriptor (table 22 Rev 6) to add an universal identification field.
- Add bytes to the Component Device Descriptor (table 17 Rev 6) to add an universal identification field.

- Add a port type to the Component Device Types field (table 17 rev 6).

- Add a universal identification on/off bit to table 22 and table 17.

The next issue described was how to define multiple paths to the same volume set. The main point was that each volume set should have an universal identification assigned to it by the SCC device that contains the configuration of the volume set.

The last issue discussed related to disabling volume sets after being configured. The disabling is required for systems that would like to prevent access to redundant volume set configurations by application clients. To accomplish this the following needs to be added to SCC.

- Disable volume set service action - This command would contain a list of universal identifier(s) of the volume sets to be disabled. The LUN_Vs associated with the universal identifiers of this command would be free to be configured into another volume set.

- Enable volume set service action - This command would contain a list of universal identifier(s) and optionally LUN_V(s) to assign to the volume set pointed to by the universal identifier. If there are no LUN_V(s) then the SACL will assign the LUN_V(s) in a vendor specific manor.

- Report disabled volume set service action - This command would report the universal identifier(s) of all disabled volume sets the SACL is aware.

6. SCC-2

The group discussed what should be done about the above requirements. The conscious of the group was to request a new project proposal for SCC-2. The issue of the editor is still open.

7. Action Items

a) George Penokie will discuss the SCC-2 project proposal at the X3T10 working group and plenary meeting.

8. Meeting Schedule

The next meeting will be hosted by Adaptec in Ft. Lauderdale at the Marriott North May 7 from 9:00AM to Noon.

9. Adjournment

The meeting was adjourned at 12 noon.