Accredited Standards Committee*
InterNational Committee for Information Technology Standards (INCITS)

Doc. No.:	T10/08-275r0
Date:	July 15, 2008
Reply to:	John Lohmeyer

To: T10 Membership
From: John Lohmeyer and Mark Overby
Subject: SAT Working Group Meeting -- July 15, 2008
           Anchorage, AK

Agenda

1. Opening Remarks
2. Approval of Agenda
3. Attendance and Membership
4. Old Business
    4.1   SAT-2: Work Items and Open Issues List (08-023) [Overby]
    4.2   SAT-2: NV Cache Translation (08-018) [Overby]
5. New Business
    5.1   SPC-4 ATA Information VPD page nits (08-287r0) [Elliott]
    5.2   SATA Spinup Issue [Besmer]
6. Review of SAT-2 working draft [Overby]
7. Review of Recommendations
8. Meeting Schedule
9. Adjournment

Results of Meeting

1.   Opening Remarks

John Lohmeyer called the meeting to order at 9:00 a.m. Tuesday July 15, 2008. He thanked Bob Nixon of Emulex for hosting the meeting. As usual, the people present introduced themselves.

2.   Approval of Agenda

The draft agenda was approved with no changes.

No additions and changes were made during the course of the meeting.

3.   Attendance and Membership

Attendance at working group meetings does not count toward minimum attendance requirements for T10 membership. Working group meetings are open to any person or organization directly and materially affected by T10's scope of work. The following people attended the meeting:

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        Name                        S          Organization
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Mr. Kevin Marks                    P  Dell, Inc.
Mr. William Martin                 P  Emulex
Mr. Ralph O. Weber                 P  ENDL Texas
Mr. Jeff Wolford                   A  Hewlett Packard Co.
Mr. Dan Colegrove                  P  Hitachi Global Storage Tech.
Mr. John Geldman                   P  Lexar Media, Inc.
Mr. Brad Besmer                    A  LSI Corp.
Mr. John Lohmeyer                  P  LSI Corp.
Mr. George Penokie                 A  LSI Corp.
Mr. Robert Sheffield               A  LSI Corp.
Mr. Chris Fore                     A  NetApp
Mr. Mark Overby                    P  Nvidia Corp.
Mr. Michael Rogers                 A  Samsung
Mr. Gerald Houlder                 P  Seagate Technology
Mr. Curtis Stevens                 A  Western Digital

15 People Present

Status Key:  P    -   Principal
             A    -   Alternate
             AV   -   Advisory Member
             E    -   Emeritus
             L    -   Liaison
             V    -   Visitor
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4.   Old Business

4.1 SAT-2: Work Items and Open Issues List (08-023) [Overby]

Mark Overby reviewed the latest work items and open issues list (08-023r5). He noted that the NV Cache Translation document (08-018) will not be ready in time for SAT-2 and, in absence of objections, it was deferred to the SAT-3 project. Mark agreed to post 08-023r6 as the final SAT-2 work items and open issues list.

The target data for starting letter ballot is late July or early August 2008.

4.2 SAT-2: NV Cache Translation (08-018) [Overby]

Mark Overby reviewed 08-018r3, SAT-2: NV Cache Translation. The group suggested changes. Mark agreed to prepare and post revision 4 for consideration at the next meeting toward the SAT-3 project.

5. New Business

5.1 SPC-4 ATA Information VPD page nits (08-287r0) [Elliott]

Jeff Wolford presented 08-287r0, SPC-4 ATA Information VPD page nits. This document is also on the CAP agenda for consideration. The SAT working group agreed that further consideration of this document should occur in the CAP working group.

Mark Overby agreed to add an item to the SAT-3 open issues list to consider adding a translation for RBC.

5.2 SATA Spinup Issue [Besmer]

Brad Besmer noted that there is an issue managing SATA drive spinup under some conditions. SAS does not have this problem because the expanders can manage the situation by sending out NOTIFY (ENABLE SPINUP) primitives. Brad was looking for proposals on how to stagger the spin up timing on SATA drives. The group discussed possible ways to solve this problem. This item will be removed from future agendas until we receive an actual proposal.

6. Review of SAT-2 working draft [Overby]

The group reviewed SAT-2 revision 5. Mark Overby lead a discussion of topics that should be cleaned up prior to the letter ballot. The working group requested Mark to implement moving concepts out of the glossary and into the model as noted in Editor's Note 9.

Curtis Stevens moved and Bill Martin seconded that Annex A be deleted from SAT-2. The motion passed by unanimous consent.

Mark agreed to incorporate the requested changes and he expects to post revision 6 before August 4.

Mark Overby moved and Kevin Marks seconded that SAT-2 revision 6 be recommended to go to T10 letter ballot for forwarding to first public review. The motion passed by unanimous consent.

7. Review of Recommendations

The following document was recommended for inclusion into SAT-2 at the June WG:

08-239r1 SAT-2: Definitions Cleanup [Overby] unanimous

This working group also recommended that:

Annex A be deleted from SAT-2, unanimous
SAT-2 revision 6 be sent to T10 forwarding letter ballot, unanimous

8. Meeting Schedule

Face-to-face SAT-2 working group meetings are scheduled for:

Tuesday, September 9, 2008 from 9:00 a.m. until 6:00 p.m. during T10 week in Colorado Springs, CO.
Monday, October 20, 2008 from 10:00 a.m. until 6:00 p.m. at Nvidia in Santa Clara, CA (during T13 week).

SAT-2 teleconference calls may be announced on the T10 reflector as needed.

9. Adjournment

The meeting was adjourned at 11:10 p.m. on Tuesday July 15, 2008.