

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

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Date: February 25, 2008

Reply to: John Lohmeyer

To: T10 Membership
From: John Lohmeyer and Mark Overby
Subject: SAT Working Group Meeting -- February 22, 2008
Foothill Ranch, CA

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 On disk data format (07-242) [Elliott]
 - 4.3 SAT-2: Translation of zero-length security protocol commands (07-325) [Overby]
 - 4.4 SAT-2 Additional power management methods (07-485) [Knight]
 - 4.5 SAT-2: NV Cache Translation (08-018) [Overby]
 - 4.6 SAT-2 WRITE BUFFER MODE 7 to DOWNLOAD MICROCODE Mode 3 (08-019) [Wolford]
 - 4.7 SAT-2 START STOP UNIT to STANDYBY IMMEDIATE (08-020) [Wolford]
5. New Business
 - 5.1 SAT-2: ATAPI Translation (07-328) [Overby]
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. Friday, February 22, 2008. He thanked Curtis Stevens of Western Digital 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.

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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:

Name	S	Organization
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. Brad Besmer	A	LSI Corp.
Mr. John Lohmeyer	P	LSI Corp.
Mr. Frank Shu	V	Microsoft
Mr. Frederick Knight	P	Network Appliance
Mr. Mark Overby	P	Nvidia Corp.
Mr. Jim Hatfield	V	Seagate Technology
Mr. Curtis Stevens	A	Western Digital

11 People Present

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

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 (08-023r1). The group requested changes and Mark agreed to post revision 2.

The cut-off date for new proposals is March 2008. The target data for starting letter ballot is following the July 2008 meeting.

4.2 SAT-2 On disk data format (07-242) [Elliott]

Jeff Wolford asked that this agenda item be deferred to the next meeting.

4.3 SAT-2: Translation of zero-length security protocol commands (07-325) [Overby]

Mark Overby presented 07-325r1, SAT-2: Translation of zero-length security protocol commands. The group discussed the proposal, noting that T13 had created a whole new command to solve the problem. Mark agreed to revise the proposal to deal with a new Send/Receive bit being added to the ACS TRUSTED NON-DATA command.

Mark Overby moved and Ralph Weber seconded that 07-325r2, r1 as revised, be recommended for inclusion into SAT-2. In absence of objections, the motion passed unanimously.

4.4 SAT-2 Additional power management methods (07-485) [Knight]

Fred Knight presented 07-485r2, SAT-2 Additional power management methods, which he had not yet posted. Fred noted that he has received a great deal of input regarding this proposal.

During the SBC-2 letter ballot comment resolution, T10 had accepted a comment (see 04-274r2 comment on page 65, sequence number 24) that removed wording prohibiting the device server from automatically upgrading the power condition upon receipt of a command requiring a higher power condition. As a side-effect of accepting this comment, we should have removed a statement in clause 5.19, START STOP UNIT command, saying "b) the logical unit shall change power conditions only after receipt of another START STOP UNIT command or a logical unit reset;" describing the POWER CONDITION field. Fred said he would bring this issue up regarding SBC-3.

The group discussed the proposal and offered numerous other suggestions. Fred agreed to incorporate these suggestions and to post revision 2. He then intends to prepare revision 3 for consideration at the March meeting.

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

Mark Overby reviewed 08-018r1, SAT-2: NV Cache Translation. The group requested changes and Mark agreed to prepare revision 2 for consideration at the next meeting.

4.6 SAT-2 WRITE BUFFER MODE 7 to DOWNLOAD MICROCODE Mode 3 (08-019) [Wolford]

Jeff Wolford asked that this agenda item be deferred until the next meeting.

4.7 SAT-2 START STOP UNIT to STANDBY IMMEDIATE (08-020) [Wolford]

Jeff Wolford asked that this agenda item be deferred until the next meeting.

5. New Business

5.1 SAT-2: ATAPI Translation (07-328) [Overby]

Mark Overby reviewed 07-328r0, SAT-2: ATAPI Translation. The group requested changes and Mark agreed to prepare revision 1 for consideration at the next meeting.

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

Mark Overby noted that he has recently posted SAT-2 revision 2. It incorporates all proposals approved before the November 2007 meeting. He expects to incorporate the remaining proposals in revision 3 and post it before the March meeting.

7. Review of Recommendations

The following documents were recommended for inclusion into SAT-2:

07-325r2 (SAT-2: Translation of zero-length security protocol commands) [Overby]

8. Meeting Schedule

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

Monday, March 10, 2008 from 1:00 p.m. until 6:00 p.m. and continuing Tuesday, March 11, 2008 from 9:00 a.m. until 12:30 p.m. during T10 week in Raleigh, NC .

Friday, April 25, 2008 in Las Vegas, NV from 9:00 a.m. until 2:00 p.m. during T13 week.

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

9. Adjournment

The meeting was adjourned at 2:00 p.m. on Friday February 22, 2008.