

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

**Doc. No.:** T10/08-017r0

**Date:** December 10, 2007

**Reply to:** John Lohmeyer

To: T10 Membership  
From: John Lohmeyer and Mark Overby  
Subject: SAT Working Group Meeting -- December 10, 2007  
Kirkland, WA

## 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 (06-497) [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 SPC-4, SAT-2, Proposal to add the ATA device password security feature (06-070) [Stevens]
  - 4.5 SAT-2 Additional power management methods (07-485) [Knight]
5. New Business
  - 5.1 SAT-2 Add translation for Block Characteristics VPD Page (08-016) [Besmer]
  - 5.2 SAT-2: Non-volatile cache translation (08-018) [Overby]
  - 5.3 SAT-2 WRITE BUFFER MODE 7 to DOWNLOAD MICROCODE Mode 3 (08-019) [Wolford]
  - 5.4 SAT-2 START STOP UNIT to STANDYBY IMMEDIATE (08-020) [Wolford]
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 10:40 a.m. Monday, December 10, 2007. He thanked Mark Overby of Nvidia for hosting the meeting. As usual, the people present introduced themselves.

## 2. Approval of Agenda

The draft agenda was approved with the addition of:

- 5.2 SAT-2: Non-volatile cache translation (08-018) [Overby]
- 5.3 SAT-2 WRITE BUFFER MODE 7 to DOWNLOAD MICROCODE Mode 3 (08-019) [Wolford]
- 5.4 SAT-2 START STOP UNIT to STANDBY IMMEDIATE (08-020) [Wolford]

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:

Name	S	Organization
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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. Mark Overby	P	Nvidia Corp.
Mr. Neil Wanamaker	V	PMC-Sierra
Mr. Jim Hatfield	AV	Seagate Technology
Mr. Curtis Stevens	A	Western Digital

10 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 (06-497) [Overby]

Mark Overby reviewed the latest work items and open issues list. The group made revisions to the list. Mark agreed to post the revised document. John Lohmeyer noted that the web site will force a new 2008 document number on this document because it only allows current year and previous year numbers. The new number is 08-023r0.

The group discussed whether the outstanding issues are critical for SAT-2. A new column was added to the issues list to identify which issues are viewed as critical for SAT-2 inclusion. Several critical issues still do not have an owner.

Mark Overby noted that the cut-off date for proposals for SAT-2 is January 2008. He wants to issue the forwarding letter ballot 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 07-325r0, SAT-2: Translation of zero-length security protocol commands. The issue of not being able to translate zero-length security protocol commands was discussed. Mark said that T13 will vote on their zero-length trusted commands this week. Assuming T13 accepts the proposal, Mark will revise the 07-325 proposal for the January SAT working group meeting.

#### **4.4 SPC-4, SAT-2, Proposal to add the ATA device password security feature (06-070) [Stevens]**

Curtis Stevens presented SPC-4, SAT-2, Proposal to add the ATA device password security feature (07-070r3). The group provided suggestions for revision 4 and Curtis agreed to post revision 4 for consideration at the next meeting.

#### **4.5 SAT-2 Additional power management methods (07-485) [Knight]**

In the absence of Fred Knight, Bill Martin presented SAT-2 Additional power management methods, 07-485r0. Bill said that Fred is looking for input so he can prepare revision 1 for the January meeting.

### **5. New Business**

#### **5.1 SAT-2 Add translation for Block Characteristics VPD Page (08-016) [Besmer]**

Brad Besmer presented SAT-2 Add translation for Block Characteristics VPD Page, 08-016r0. The group suggested some minor changes.

Brad Besmer moved and Mark Overby seconded that 08-016r1 be recommended for inclusion into SAT-2. In absence of objections, the motion passed unanimously.

#### **5.2 SAT-2: Non-volatile cache translation (08-018) [Overby]**

Mark Overby presented SAT-2: Non-volatile cache translation, 08-018. He noted that this is not a completed proposal, but he wanted to get input from the group. Mark agreed to prepare revision 1 for consideration at the next meeting.

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

Jeff Wolford presented SAT-2 WRITE BUFFER MODE 7 to DOWNLOAD MICROCODE Mode 3, 08-019r0. The group gave Jeff suggestions and Jeff agreed to prepare revision 1 for consideration at the next meeting.

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

Jeff Wolford noted that he had not yet posted this document, but he wanted direction from the group before he completed revision 0. Jeff agreed to prepare revision 0 for consideration at the next meeting.

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

Mark Overby asked that this item be deferred until the next meeting noting that he has not posted a new revision of SAT-2 since July.

## **7. Review of Recommendations**

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

08-016r1 (SAT-2 Add translation for Block Characteristics VPD Page) [Besmer]

## **8. Meeting Schedule**

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

Tuesday, January 15, 2008 in Santa Ana, CA from 9:00 a.m. until 12:30 p.m. during T10 week.

Friday, February 22, 2008 in Santa Ana, CA 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 6:00 p.m. on Monday December 10, 2007.