

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

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Date: February 19, 2007

Reply to: John Lohmeyer

To: T10 Membership
From: Mark Overby and John Lohmeyer
Subject: SAT Working Group Meeting -- February 19, 2007
Foothill Ranch, CA

Agenda

1. Opening Remarks
2. Approval of Agenda
3. Attendance and Membership
4. Old Business
 - 4.1 SAT - Device Server Password Security (06-070) [Stevens]
 - 4.2 SAT-2: Work Items and Open Issues List (06-497) [Overby]
 - 4.3 SAT-2: Application Client Log Page Translation (06-250) [Overby]
5. New Business
 - 5.1 SAT2 Translation of SECURITY PROTOCOL IN/OUT (07-074) [Hatfield]
 - 5.2 ATA Pass-through and DMA [Overby]
 - 5.3 ATA Pass-through and WRITE LONG / READ LONG [Stevens]
6. Review of Recommendations
7. Meeting Schedule
8. Adjournment

Results of Meeting

1. Opening Remarks

John Lohmeyer called the meeting to order at 9:05 a.m. Monday, February 19, 2007. He thanked Curtis Stevens of Western Digital for hosting the meeting. As usual, the people present introduced themselves.

John noted that the SAT draft standard is now at INCITS management review. He expects INCITS approval in late March.

2. Approval of Agenda

The draft agenda was approved with the following additions:

- 5.2 ATA Pass-through and DMA [Overby]
- 5.3 ATA Pass-through and WRITE LONG / READ LONG [Stevens]

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. Jeff Wolford	V	Hewlett Packard Co.
Mr. Dan Colegrove	P	Hitachi Global Storage Tech.
Mr. John Lohmeyer	P	LSI Logic Corp.
Mr. Mark Overby	P	Nvidia Corp.
Mr. Jim Hatfield	V	Seagate Technology
Mr. Curtis Stevens	P	Western Digital

7 People Present

Status Key: P - Principal
 A,A# - Alternate
 AV - Advisory Member
 L - Liaison
 V - Visitor

4. Old Business

4.1 SAT - Device Server Password Security (06-070) [Stevens]

Curtis Stevens requested that this topic be deferred to the next working group meeting. Jim Hatfield requested that Curtis consider adding a table that deals with what specifically happens when a device is locked. Jim suggested using a model similar to persistent reservations (see SPC-4 Rev 9 Table 119).

4.2 SAT-2: Work Items and Open Issues List (06-497) [Overby]

Mark Overby reviewed revision 3 of the work items and open issues list. The group made revisions to the list. Mark agreed to post revision 4 of the issues list.

Mark noted that he has prepared SAT-2 Revision 0 and plans to upload it soon. He reviewed the changes beyond SAT Revision 9. The group suggested additional changes. Mark agreed to make the changes before uploading Revision 0.

4.3 SAT-2: Application Client Log Page Translation (06-250) [Overby]

Mark Overby reviewed a draft of 06-250r1, SAT-2: Application Client Log Page Translation. This revision was not posted yet, so he made additional changes that the group suggested. He agreed to post revision 1 based on the group's input to be reviewed at the next meeting. He expects to request approval at that meeting.

5. New Business

5.1 SAT2 Translation of SECURITY PROTOCOL IN/OUT (07-074) [Hatfield]

Jim Hatfield reviewed 07-074r0, SAT2 Translation of SECURITY PROTOCOL IN/OUT. The group recommended that the SATL be required to emulate support for large SCSI transfer lengths and allocation lengths by issuing multiple ATA TRUSTED SEND or TRUSTED RECEIVE commands. Jim agreed to prepare a revision 1 for consideration at the next meeting.

5.2 ATA Pass-through and DMA [Overby]

Mark Overby reviewed an issue in how SAT-2 ATA Pass-through should deal with DMA protocols (see Table 86 - Protocol field in SAT-2). Mark added issue 24 to the Work Items and Open Issues List (06-497). He will prepare a proposal for consideration at a future meeting.

5.3 ATA Pass-through and WRITE LONG / READ LONG [Stevens]

Curtis Stevens reviewed an issue with supporting the ATA WRITE LONG and READ LONG commands through the ATA pass-through interface because of issues with the transfer lengths being larger than 512 bytes. He suggested that the 12-byte version of ATA PASS-THROUGH command include the additional length (beyond 512 bytes) in byte 10 of the CDB. Mark added issue 25 to the Work Items and Open Issues List (06-497). Curtis agreed to prepare a proposal for consideration at a future meeting.

6. Review of Recommendations

No documents were recommended for consideration by the Plenary.

7. Meeting Schedule

SAT Working Group meetings are scheduled for:

Tuesday, March 13, 2007 commencing at 9:00 a.m. in Memphis, TN at the Marriott Memphis Downtown Hotel (<http://marriott.com/property/propertypage/memdt?groupCode=scsscscsa&app=resvlink>) hosted by the SCSI Trade Association.

Teleconference calls will be announced on the T10 reflector as needed.

8. Adjournment

The meeting was adjourned at 12:13 p.m. on Monday February 19, 2007.