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

To: T10 Membership
From: Mark Overby
Subject: SAT Working Group Teleconference -- May 19, 2005

Agenda

1. Opening Remarks
2. Approval of Agenda
3. Attendance and Membership
4. Old Business
    4.1   SAT: Remaining Work Items (04-391r4) [Sheffield]
    4.2   SAT - REASSIGN BLOCKS command (05-136r0) [Bellamy]
    4.3   SAT - LOG SENSE command and SMART (05-142r0) [Bellamy]
    4.4   Write Same Translation (05-177r1) [Stevens]
5. New Business
6. Review of (SAT) Working Draft
7. Review of Recommendations
8. Meeting Schedule
9. Adjournment

Results of Meeting

1.   Opening Remarks

Bob Sheffield called the teleconference to order at 1215 PST on May 19th, 2005.

2.   Approval of Agenda

The agenda was approved by unanimous consent without revision.

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
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Ralph O. Weber
Wayne Bellamy
Robert Sheffield
John Lohmeyer
Mark Overby
Craig W. Carlson
Greg Elkins
William Martin
Jim Hatfield
Ron Roberts
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4.   Old Business

4.1   SAT: Remaining Work Items (04-391r4) [Sheffield]

Bob Sheffield reviewed the latest revision of the document containing the list that he is maintaining that itemizes the known work items to be completed for the project and the status of those items. Bob reported that he will continue to maintain this list until the project is complete. In addition to the known work items Bob also reviewed the current planned time line for completing the SAT project. The important date to note was the all proposals should be in by the June meeting (co-hosted with T13). Bob strongly encouraged those people who have outstanding proposals to get those in as soon as possible.

Jim Hatfield suggested that the remaining work items be prioritized. It was generally agreed that this would be a good idea. Prioritization was provided, through discussion of each outstanding item, and Bob will revise and publish the document to include this information. During the prioritization a discussion was also held about the general goals of the first revision of SAT. It was generally agreed that the SAT describes the basic minimum translation that is required to make ATA devices functional in a SCSI environment.

4.2   SAT: REASSIGN BLOCKS Command (05-136r0) [Bellamy]

Wayne reviewed the latest revision of his document, not yet posted, incorporating feedback from the previous revision of his document. Input was provided to Wayne about the step-by-step process to emulate a REASSIGN BLOCKS command including what ASC and ASCQ to use if the emulation of the REASSIGN BLOCKS command is unsuccessful. It was also suggested to Wayne that the process for emulating the REASSING BLOCKS command be moved into text and the table have a reference to the text.

Wayne agreed to make the changes provided by the group and will publish a new revision of the document.

4.3   SAT: LOG SENSE Command and SMART (05-142r0) [Bellamy]

Wayne reviewed the latest revision of his document, not yet posted, incorporating feedback from previous meetings. Wayne requested feedback from the group for the error codes to be used when the feature set is disabled and the command completes with an error on the ATA bus. It was suggested that Wayne use the error code that he has in the current revision and publish the document for feedback from people that were not on the conference call. Wayne agreed to publish a new revision of the document with the current changes. It was suggested to Wayne that he create a new ASCQ (0bh) to describe a generic situation where a feature set is not enabled causing an ATA command to be aborted by the ATA device.

Wayne stated that he still needed to add the selective self-test log page for SMART in this document and the informational exceptions control page information.

4.4 SAT: Write Same Translation (05-177r1) [Stevens]

Curtis Stevens was not present so this agenda item was deferred to the next meeting.

5. New Business

No new business was presented.

6. Review of SAT Working Draft

Bob Sheffield reviewed recommendations from this meeting for the revision 4 draft of SAT as well as notes that had been made in the document.

A TBD in Section 11 was noted that it should be changed to an editors note so it would not be missed. A note was also added to indicate that additional SMART log pages that are defined for translation can be accessed through SCSI pass through mechanisms. Bob Sheffield also noted that the descriptions of the translations and SMART pages should be moved to be in the parameters for the mode pages (currently section 10 in the SAT r4 draft) to mirror the way such information is reflected in SPC-3. Bob noted that this should be done

7. Review of Recommendations

No recommendations were made to the plenary body.

8. Meeting Schedule

SAT Working Group meetings are scheduled for:

Monday, June 20th, 2005 commencing at 0900, ending at 1700 the same day. The meeting will be held at the Embassy Suites Hotel in Irvine, CA (949-553-8332), hosted by Western Digital. There is no reserved room block for this meeting. Curtis Stevens has already posted this information to the T13 and T10 reflectors.

Wednesday, June 1st, 2005 commencing at 0930, ending at 1730 the same day. The meeting notice will be sent to the reflector by May 23rd and will be hosted by NVIDIA. There will be no reserved room block for this meeting. It is anticipated that the meeting will be held in Seattle, WA, Portland, OR, or Santa Clara, CA.

Teleconference calls are scheduled for:

None.

Other calls may be announced on the T10 reflector as needed.

9. Adjournment

The meeting was adjourned at 1510.