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

Doc. No.: T10/05-146r0

Date: April 19, 2005
Reply to: John Lohmeyer

To: T10 Membership
From: Ralph Weber and John Lohmeyer
Subject: SAT Working Group -- April 18, 2005
           Longmont, CO

Agenda

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2. Approval of Agenda
3. Attendance and Membership
4. Old Business
    4.1   SAT: Remaining Work Items (04-391r3) [Sheffield]
    4.2   SAT REQUEST SENSE Correction Proposal (05-109r0) [Overby]
5. New Business
    5.1   SAT - REASSIGN BLOCKS command (05-136r0) [Bellamy]
    5.2   SAT - Standard INQUIRY - PRODUCT REVISION LEVEL (05-137r0) [Bellamy]
    5.3   SAT - LOG SENSE command and SMART (05-142r0) [Bellamy]
6. Review of SAT Working Draft
7. Review of Recommendations
8. Meeting Schedule
9. Adjournment

Results of Meeting

1.   Opening Remarks

John Lohmeyer called the meeting to order at 9:10 AM Monday, April 18, 2005. He thanked Jim Hatfield of Seagate for hosting the meeting. As usual, the people present introduced themselves.

2.   Approval of Agenda

The draft agenda was approved with no changes.

No items were added or revised 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. Ralph O. Weber                   P   ENDL Texas
Mr. Wayne Bellamy                    V   Hewlett Packard Co.
Mr. Dan Colegrove                    P   Hitachi Global Storage Tech.
Mr. Robert Sheffield                 P   Intel Corp.
Mr. David Hawks                      P   Iomega Corp.
Mr. Steve Johnson                    V   LSI Logic Corp.
Mr. John Lohmeyer                    P   LSI Logic Corp.
Mr. Greg Elkins                      V   QLogic Corp.
Mr. Jim Hatfield                     V   Seagate Technology
Mr. William Martin                   P   Sierra Logic, Inc.
Mr. Curtis Stevens                   P   Western Digital

11 People Present

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

4.1   SAT: Remaining Work Items (04-391r3) [Sheffield]

Bob Sheffield reviewed the status of work times remaining in SAT (04-391r3).

The group discussed when SAT needs to forward to T10 Letter Ballot and what date to specify as last new techni-cal input. It was generally agreed that a letter ballot following the July T10 meeting would require all new technical input be available by the May SAT working group meeting.

4.2   SAT REQUEST SENSE Correction Proposal (05-109r0) [Overby]

In the absence of Mark Overby, discussion of this topic was deferred to the next meeting.

5.   New Business

5.1   SAT - REASSIGN BLOCKS command (05-136r0) [Bellamy]

Wayne Bellamy presented a proposal to define the SATL handling of the REASSIGN BLOCKS command (05-136r0).

Concerns were raised that the command processing was not defined in sufficient detail. Wayne agreed to revise the proposal and changes in the algorithm were discussed as length.

Wayne agreed to prepare a new revision for consideration at the next meeting.

5.2   SAT - Standard INQUIRY - PRODUCT REVISION LEVEL (05-137r0) [Bellamy]

Wayne Bellamy presented a proposal to define the contents of the Standard Inquiry Data Product Revision field (05-137r0). Wanye asked if the choices represented in the proposal matched the ATA drive information known to those present, and no one complained.

Several editorial problems were raised and Wayne agreed to prepare a new revision of the proposal.

Wayne Bellamy moved that 05-137r1 (r0 as revised) be recommended for inclusion in SAT. Steve Johnson seconded the motion. In the absence of any objections, the motion passed unanimously.

5.3   SAT - LOG SENSE command and SMART (05-142r0) [Bellamy]

Wayne Bellamy presented a proposal to map certain SMART features to the Informational Exceptions log page (05-142r0). It was noted that the proposal fails to account for the fact that SMART can be supported but disabled by ATA devices. Concerns were raised about the dependencies between the SCSI Informational Exceptions reporting (as shown in the proposal) and Information Exceptions controls in the SCSI mode page (which is not discussed anywhere).

Wayne agreed to revise the proposal for consideration at the next meeting.

6.   Review of SAT Working Draft

Bob Sheffield led the group in a review of SAT revision 3. Several changes were noted for inclusion in the next revision.

7.   Review of Recommendations

Ralph Weber noted that the working group made the following recommendation to the T10 plenary:

> For inclusion in SAT:

> 05-137r1 (Standard INQUIRY - PRODUCT REVISION LEVEL) [Bellamy]

8.   Meeting Schedule

SAT Working Group meetings are scheduled for:

> Tuesday, May 2, 2005 from 9:00 AM to 1:00 PM in Oklahoma City, OK at the Sheraton Oklahoma City Hotel (800-325-3535), hosted by Fujitsu.

> Tentatively, Monday, June 20, 2005 from 9:00 AM to 5:00 PM in Irvine, CA, at the Embassy Suites (949-553-8332), subject to confirmation by the host, Western Digital.

Teleconference calls are scheduled for:

> Thursday, May 19, 2005 starting at 12:00 noon (PDT). Bob Sheffield will post an announcement to the T10 reflector.

9. Adjournment

The meeting was adjourned at 5:20 PM on Monday, April 18, 2005.