

Accredited Standards Committee\*

## InterNational Committee for Information Technology Standards (INCITS)

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| Doc. No.: T10/05-163r0 |
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Date: May 3, 2005

Reply to: John Lohmeyer

To: T10 Membership  
From: Mark Evans and John Lohmeyer  
Subject: SAT Working Group -- May 3, 2005  
Oklahoma City, OK

### Agenda

1. Opening Remarks
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]
  - 4.3 SAT - REASSIGN BLOCKS command (05-136r0) [Bellamy]
  - 4.4 SAT - LOG SENSE command and SMART (05-142r0) [Bellamy]
  - 4.5 SAT - Standard INQUIRY - PRODUCT REVISION LEVEL (05-137r1) [Bellamy]
5. New Business
  - 5.1 Write Same Translation (05-177r0) [Stevens] (Hatfield comments)
6. Review of SAT Working Draft
7. Review of Recommendations
8. Meeting Schedule Next Meeting Announcement Next Meeting Map
9. Adjournment

### Results of Meeting

#### 1. Opening Remarks

John Lohmeyer called the meeting to order at 9:00 AM Tuesday, May 3, 2005. He thanked Mike Fitzpatrick of Fujitsu for hosting the meeting. As usual, the people present introduced themselves.

#### 2. Approval of Agenda

The draft agenda was approved with one revision: item 5.1 SAT - Standard INQUIRY - PRODUCT REVISION LEVEL (05-137r1) [Bellamy] was moved from a new business item to be old business item 4.5 SAT - Standard INQUIRY - PRODUCT REVISION LEVEL (05-137r1) [Bellamy], as it had been misplaced in new business.

#### 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:

\*Operating under the procedures of The American National Standards Institute.  
**INCITS Secretariat, Information Technology Industry Council (ITI)**  
1250 Eye Street NW, Suite 200, Washington, DC 20005-3922  
Email: incits@itic.org Telephone: 202-737-8888 FAX: 202-638-4922

| Name                 | S | Organization                  |
|----------------------|---|-------------------------------|
| Ms. Pat Thaler       | P | Agilent Technologies          |
| Mr. Ron Roberts      | A | Broadcom Corp.                |
| Mr. Kevin Marks      | P | Dell, Inc.                    |
| Mr. Kenneth Hirata   | A | Emulex                        |
| Mr. Ralph O. Weber   | P | ENDL Texas                    |
| Mr. Mike Fitzpatrick | P | Fujitsu                       |
| Mr. Tim Mackley      | A | General Dynamics              |
| 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. Avraham Shimor   | P | M-Systems Flash Disk Pioneers |
| Mr. Mark Evans       | P | Maxtor Corp.                  |
| Mr. Robert Kembel    | V | Northwest Learning Associates |
| Mr. Mark Overby      | P | Nvidia Corp.                  |
| Mr. Greg Elkins      | V | QLogic Corp.                  |
| Mr. Gerald Houlder   | P | Seagate Technology            |
| Mr. William Martin   | P | Sierra Logic, Inc.            |
| Mr. Curtis Stevens   | P | Western Digital               |
| Mr. Rich Ramos       | V | Xyratex                       |

22 People Present

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

## 4. Old Business

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

Due to the lack of time, Bob Sheffield did not review the status of work items remaining in SAT (04-391r3).

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

Mark Overby stated that the issues about which he was concerned that were addressed by his proposal had now mostly been addressed in the latest revision of the SAT draft. This led to a brief review of the latest SAT draft during which some modifications were made to the draft that addressed Mark's issues. These modifications included clarification of the definition of autosense and how this is to function in this environment. To insure that all of Mark's concerns were addressed, Ralph Weber moved and Curtis Stevens seconded that the SAT editor be instructed to include 05-109r0 and the editorial comments from the meeting into the next revision of the draft. The motion passed by unanimous consent.

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

Wayne Bellamy asked that this item be deferred to the next meeting.

#### **4.4 SAT - LOG SENSE command and SMART (05-142r0) [Bellamy]**

Wayne Bellamy asked that this item be deferred to the next meeting.

#### **4.5 SAT - Standard INQUIRY - PRODUCT REVISION LEVEL (05-137r1) [Bellamy]**

Wayne Bellamy presented revision 1 of his proposal 05-137 that defines how the relevant product revision information is to be derived from IDENTIFY DEVICE information. Wayne focused on the changes to the proposal from revision 0. Revision 1 is the version accepted for inclusion in the draft at the last meeting.

### **5. New Business**

#### **5.1 Write Same Translation (05-177r0) [Stevens] (Hatfield comments)**

Curtis Stevens presented his proposal on how the WRITE SAME (10) and the WRITE SAME (16) commands are mapped for SAT. Curtis stated that there are features described in his proposal that reference the SCT Technical Report (DT1701). The latest draft of this TR is available at [www.t13.org](http://www.t13.org). During review of the proposal, Curtis also addressed comments from Jim Hatfield of Seagate that had been received via the T10 reflector.

Curtis agreed to revise the proposal for consideration at the next meeting and send a response to Jim describing how Jim's comments had been addressed.

### **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, including changing how LBA and transfer length are mapped for all read and write commands to be less restrictive.

### **7. Review of Recommendations**

Mark Evans noted that the working group made the following recommendation to the T10 plenary:

For inclusion in SAT:

05-137r1 SAT - Standard INQUIRY - PRODUCT REVISION LEVEL [Bellamy]  
05-109r0 SAT REQUEST SENSE Correction Proposal [Overby]

### **8. Meeting Schedule**

SAT Working Group meetings are scheduled for:

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

Tuesday, July 12, 2005 from 9:00 AM to 1:00 PM in Colorado Springs, CO, at the Antlers Hilton Hotel (800-445-8667), hosted by LSI.

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 12:30 PM on Tuesday, May 3, 2005.