

Document Number: T10/05-439
Date: November 10, 2005
Reply To: Curtis E. Stevens

To: T10 Membership
From: Curtis E. Stevens
Subject: Mass Storage Locking Study Group

Agenda

1. Opening Remarks
2. Attendance and membership
3. Presentation by Curtis Stevens
4. Group Discussion
5. Adjournment

1. Opening Remarks

John Lohmeyer started the meeting at 1pm, 10-Nov-05

As is customary, the people attending the meeting introduced themselves. Attendance was taken electronically.

2. 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:

<u>Name</u>	<u>S</u>	<u>Organization</u>
Mr. Kevin Marks	P	Dell, Inc.
Mr. Ralph O. Weber	P	ENDL Texas
Mr. Michael Banther	V	Hewlett Packard Co.
Mr. Rob Elliott	P	Hewlett Packard Co.
Mr. George O. Penokie	P	IBM / Tivoli Systems
Mr. Robert Sheffield	P	Intel Corp.
Mr. Robert Payne	P	lomega Corp.
Mr. Pat LaVarre	P	Lexar Media, Inc.
Mr. John Lohmeyer	P	LSI Logic Corp.
Mr. Avraham Shimor	P	M-Systems
Mr. Mark Overby	P	Nvidia Corp.
Mr. Paul Entzel	P	Quantum Corp.
Dr. Paul Suhler	A	Quantum Corp.
Mr. William Martin	P	Sierra Logic, Inc.
Mr. Curtis Stevens	P	Western Digital
Mr. Rich Ramos	P	Xyratex

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

There were 16 People Present

3. Presentation by Curtis Stevens

Curtis Stevens presented T10/05-438r0. This presentation describes the ATA8-ACS Security Feature Set and provides proposals for possible methods for implementation in SCSI. The purpose of this presentation was to assess the possibility of defining ATA compatible security for USB devices. USB devices use SBC/SPC CDB's as their commands. There was discussion on how the Security Feature Set is intended to work. The several people expressed an interest in also defining this capability for use in SAS devices as well. There was interest expressed for SSC devices as well as SBC and RBC devices. We did not reach a decision at this group regarding SBC or SPC as the destination for a proposal.

There were questions regarding persistent reservation and the ability of commands to break through to the device with security commands. This and other subjects will be discussed after the proposal is brought to CAP.

The result of this study group is that Curtis Stevens will bring forward a proposal to CAP to implement the capabilities found in the ATA8-ACS. Several people requested that this proposal be made expandable so functionality beyond the ATA capability could be added later.

4. Group Discussion

Discussion continued regarding the USB aspects of security. There was interest expressed in forming a working group that could address two different needs.

1. Define a USB mechanism for detecting a locked device
2. Create a standard for transporting SCSI CDB's over the USB phy. The starting point for this standard would be the USB Bulk Only Class Specification. The following capabilities were mentioned: Queuing and Autosense.

Any new standard that is created would have to be SAM-4 compliant.

There were concerns that T10 activities may not be accepted by the USB community. Further study needs to be done in order to ensure that the work only happens in one place.

5. Adjournment

The meeting was adjourned at 2:15pm on Thursday 10-Nov-05