

SCSI Stream Commands - 3: Working Group Minutes – Draft (T10/04-390r0)

Date: 11/10/04

Time: 9-1 pm

Location: Austin, TX

## **Agenda**

### **1. Opening remarks and introductions [Peterson]**

### **2. Approval of agenda (04-393r1) [Peterson]**

### **3. Approval of meeting minutes (04-311r0) [Peterson]**

### **4. Review of old action items [Butt]**

1. Dave Peterson: Bring in a White Paper on the value added with Explicit Command Set.
2. Roger Cummings: Bring in document to support differentiation of media supported and drive supported density code.
3. Kevin Butt: Submit a proposal for a definition of WORM.
4. Kevin Butt: Rev and post 03-010r1 Sequential-Access Device log page.
5. Dave Peterson: Review initiator vs I\_T nexus throughout document
6. Michael Banther: Bring in proposal to improve handling of cleaning and firmware upgrade cartridges.
7. Group: Look into obsoleting RSMK and secondly obsoleting setmarks
8. Dave Peterson: Remove references to interblock gaps and erase gaps.
9. Michael Banther: Bring in proposal for State-based TapeAlert
10. Michael Banther: Bring in proposal for Requested Recovery log page from ADC
11. Michael Banther: Bring in proposal for Device Statistics log page from ADC
12. Paul Suhler: Lead a discussion of the proposal developed in ADI WG for Introduction of a physical device into the model section of SSC-3

**5. Old business**

**6. New Business**

- 6.1 SSC-3 Reservation model cleanup (04-283r1) [Elliot]**
- 6.2 SSC-3: WORM Tamper Read Enable (04-335r1) [Banther]**
- 6.3 SSC-3 Investigation of TapeAlert deficiencies (04-358r0) [Banther]**
- 6.4 SSC-3 model sub clause for WORM (04-373r0) [Entzel]**
- 6.5 SSC-3: Definition of WORM (04-312r0) [Butt]**

**7. Unscheduled business**

**8. Next meeting requirements**

**9. Review of new action items [Butt]**

**10. Adjournment**

**Attendance**

SSC-3 Working Group Attendance Report - November 2004

Name	S	Organization
Mr. Noud Snelder	V BDT	
Mr. David Peterson	P CNT	
Mr. Ralph O. Weber	P ENDL Texas	
Mr. Michael Banther	V Hewlett Packard Co.	
Mr. Chris Martin	V Hewlett Packard Co.	
Mr. Kevin Butt	V IBM Corp.	
Mr. Paul Entzel	P Quantum Corp.	
Dr. Paul Suhler	V Seagate Technology	
Mr. Erich Oetting	P Storage Technology Corp.	
Mr. Roger Cummings	P Veritas Software	

10 People Present

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

## Results of Meeting

### 1. Opening remarks and introductions [Peterson]

Dave Peterson welcomed everybody to the meeting and thanked Hitachi Cable for hosting. Introductions were made.

### 2. Approval of agenda (04-393r1) [Peterson]

Dave Peterson made a motion for acceptance of the modified agenda. Paul Suhler seconded the motion. In the absence of objections or abstentions, the group passed the motion unanimously.

### 3. Approval of meeting minutes (04-232r0) [Peterson]

Dave Peterson made a motion for acceptance of the minutes. Paul Suhler seconded the motion. In the absence of objections or abstentions, the group passed the motion unanimously.

### 4. Review of old action items [Butt]

1. Dave Peterson: Bring in a White Paper on the value added with Explicit Command Set. Carryover.
2. Roger Cummings: Bring in document to support differentiation of media supported and drive supported density code. Carryover
3. Kevin Butt: Submit a proposal for a definition of WORM. 04-312r0
4. Kevin Butt: Rev and post 03-010r1 Sequential-Access Device log page. Carryover
5. Dave Peterson: Review initiator vs I\_T nexus throughout document. Carryover
6. Michael Banther: Bring in proposal to improve handling of cleaning and firmware upgrade cartridges. Carryover
7. Group: Look into obsoleting RSMK and secondly obsoleting setmarks. Complete.
8. Dave Peterson: Remove references to interblock gaps and erase gaps. Carryover.
9. Michael Banther: Bring in proposal for State-based TapeAlert. Carryover.
10. Michael Banther: Bring in proposal for Requested Recovery log page from ADC. Carryover.
11. Michael Banther: Bring in proposal for Device Statistics log page from ADC Carryover.
12. Paul Suhler: Lead a discussion of the concept discussed in ADI WG for Introduction of a physical device into the model section of SSC-3. Carryover.

### 5. Old business

### 6. New Business

#### 6.1 SSC-3 Reservation model cleanup (04-283r1) [Elliot]

Has already been incorporated into rev d.

## **6.2 SSC-3: WORM Tamper Read Enable (04-335r1) [Banther]**

Paul Entzel: suggested the proposal be specific about the side effects. That is it is possible the position may have changed.

Change GOOD to process so it is not implied that other commands have to complete good, just that it will be processed without regarding this bit. "If the WTRE bit is set to one detection of .. shall not effect ...."

Ralph Weber: George proof this by using "process" and structuring second paragraph like the first. A WTRE bit set to one specifies that ... shall.

Paul Entzel: This will break existing implementation. Suggest expand the field to 2 bits with 00b as vendor-specific. 01b is equivalent to this proposal - allow read of suspect data. 10b first paragraph - cc when suspect media. 11b reserved.

Michael to rev and post.

## **6.3 SSC-3 Investigation of TapeAlert deficiencies (04-358r0) [Banther]**

This proposal was presented to get a direction from the group. Please email any additional concerns with TapeAlerts to Michael Banthar.

## **6.4 SSC-3 model sub clause for WORM (04-373r0) [Entzel]**

Roger Cummings: ISV's need to have drive capability and media capability. Standards must define levels of capabilities. Need the capabilities of media reported even if the drive is not capable of writing. Need matrix for each drive and media.

Column 1: Overwrite capabilities

Column 2:

The group started work on a matrix in Excel. This will be emailed to the group by Paul Entzel.

Paul will revise his proposal with a table made from the spreadsheet and then Kevin Butt will pick it up and go forward.

## **6.5 SSC-3: Definition of WORM (04-312r0) [Butt]**

Included in discussion of item 6.4.

## **6.6 Additional Discussions**

Bob Snively was sent by CAP WG to ask us about Firmware download and issues related to attached SES devices not being able to get firmware updated because the command is intercepted by the disk drive and does not get passed on. Do we want to jump on the bandwagon for SendDiag and new codes for the capability to pass this through? Consensus is that we do not want attached medium changers to be disallowed but we do not have a desire to join at this time.

## **7. Next meeting requirements**

Telecon on Dec. 2 at 7:30 PST.

The consensus of the group was to request 4 hours during the next T10 week, Jan 18, at Las Vegas, NV.

## **8. Review of new action items [Butt]**

### **Carry Over**

1. Dave Peterson: Bring in a White Paper on the value added with Explicit Command Set.
2. Roger Cummings: Bring in document to support differentiation of media supported and drive supported density code.
3. Kevin Butt: Rev and post 03-010r1 Sequential-Access Device log page.
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10. Paul Suhler: Lead a discussion of the concept discussed in ADI WG for Introduction of a physical device into the model section of SSC-3.

### **New**

11. Dave Peterson: Send message on reflector to obsolete RSMK and setmarks.
12. Dave Peterson: Definition for Erase short.
13. Michael Banther: rev and post 04-335r1
14. Paul will revise his proposal with a table made from the spreadsheet and then Kevin Butt will pick it up and go forward.

### **Adjournment**

Kevin Butt made a motion to adjourn the meeting. Paul Suhler seconded the motion. The meeting was adjourned at 12:20.