

SCSI Stream Commands - 3: Working Group Minutes – Draft (T10/05-434r0)

Date: November 8, 2005

Time: 1:00-5:00 pm

Location: Austin, TX

Agenda

- 1. Opening remarks and introductions [Peterson]**
- 2. Approval of agenda (05-269r0) [Peterson]**
- 3. Approval of meeting minutes (05-356r0) [Peterson]**
- 4. Review of old action items [Butt]**
 - 4.1 Dave Peterson: Bring in a White Paper on the value added with Explicit Command Set.**
 - 4.2 Dave Peterson: Review initiator vs I_T nexus throughout document.**
 - 4.3 Michael Banther: Bring in proposal to improve handling of cleaning and firmware upgrade cartridges.**
 - 4.4 Michael Banther: Bring in proposal for Requested Recovery log page from ADC.**
 - 4.5 Michael Banther: proposal against the “Cleaning Required” parameter of Sequential Access Device log page to make it consistent with TapeAlert and ADC eventually**
 - 4.6 Michael Banther to revise and post 05-140r0**
 - 4.7 Kevin Butt to Bring proposal following direction related to clean behavior.**
 - 4.8 Kevin Butt to add cleaning bits from 05-213 to his proposal and find log page for them.**
 - 4.9 Dave Peterson: Incorporate 05-334r0 into SSC-3.**
 - 4.10 Kevin Marks: update and post a new revision of 05-262 based on discussion item 5.2.**
 - 4.11 Kevin Marks: update and post a new revision of 05-213 based on discussion item 5.3.**
 - 4.12 Roger Cummings: produce a proposal to describe the events that shall activate and deactivate the cleaning related tape alert flags and to add a second flag for predictive failure of the medium.**
 - 4.13 Paul Entzel: update and post a new revision of 05-320 based on discussion item 6.3.**
 - 4.14 Dave Peterson: Incorporate 05-320r1 into SSC-3.**
 - 4.15 Michael Banther: update and port a new revision of 05-154 based on discussion item 6.1**
- 5. Old business**
 - 5.1 SSC-3: Physical device model (05-049r2) [Suhler]**
- 6. New Business**
 - 6.1 ADI ADC-2 Target Device Serial Number (05-155r2) [Suhler]**

- 6.2 SSC-3 TapeAlert Enhancements (05-154r2) [Banther]**
- 6.3 SSC-3: Device Statistics log page for SSC-3 and Tape Diagnostic Data log page (05-213r2) [Marks]**
- 6.4 SSC-3: Standardize processing of ERASE command with LONG=0 (05-320r1) [Entzel]**
- 6.5 SPC-4/SSC-3: ASC/ASCQ for Medium Thread Failure (05-262r2) [Marks]**
- 6.6 SSC-3 Reinstate definition of Transfer Length field for WRITE FILEMARKS (05-334r0) [Banther]**
- 6.7 Feedback on Tape Alert (& specifically 05-154r1) (05-339r0) [Cummings]**
- 6.8 SSC-3: Vendor Feedback (05-351r1) [Peterson]**
- 6.9 SSC-3 Add WORM VERSION field to Sequential Access Device Capabilities VPD page (05-391r0) [Banther]**
- 6.10 SMC-3, SPC-4, SBC-3, and SSC-3: Remove Attached Media Changer model (05-317r2) [Entzel]**
- 6.11 SSC: Configurable EW (05-423r0) [Butt]**
- 6.12 Working List for ISV feedback (SMC/SSC/ADC/SPC) (05-315r2) [Butt]**

7. Adjournment

8. Review of new action items

9. Adjournment

Attendance

SSC-3 Working Group Attendance Report - July 2005

Name	S	Organization

Mr. Noud Snelder	V	BDT
Mr. Jeff Han	V	Dell
Ms. Bianca Tudosa	V	Dell
Mr. steven chin	V	Dell Inc.
Mr. Gary Lestage	V	Dell, inc.
Mr. Kevin Marks	P	Dell, Inc.
Mr. Ralph O. Weber	P	ENDL Texas
Mr. Curtis Ballard	V	Hewlett Packard
Mr. Michael Banther	V	Hewlett Packard Co.
Mr. Chris Martin	V	Hewlett Packard Co.
Mr. Christopher Williams	V	Hewlett Packard Co.
Mr. Kevin Butt	A	IBM Corp.
Mr. David Peterson	AV	McDATA
Mr. Paul Entzel	P	Quantum Corp.
Mr. Erich Oetting	A#	Sun Microsystems, Inc.
Mr. Greg Wheelless	A	Symantec

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

Results of Meeting

1. Opening remarks and introductions [Peterson]

2. Approval of agenda (05-429r0) [Peterson]

Dave Peterson made motion to approve agenda as modified. Michael Banthar seconded. Voting was unanimous.

3. Approval of meeting minutes (05-356r0;05-424r0) [Peterson]

Dave Peterson made a motion to approve the minutes. Greg Wheelless seconded. Voting was unanimous.

4. Review of old action items [Entzel]

4.1 Dave Peterson: Bring in a White Paper on the value added with Explicit Command Set.
carryover

4.2 Dave Peterson: Review initiator vs I_T nexus throughout document.
carryover

4.3 Michael Banther: Bring in proposal to improve handling of cleaning and firmware upgrade cartridges.
carryover

4.4 Michael Banther: Bring in proposal for Requested Recovery log page from ADC.
carryover

4.5 Michael Banther: proposal against the "Cleaning Required" parameter of Sequential Access Device log page to make it consistent with TapeAlert and ADC eventually
carryover

4.6 Michael Banther to revise and post 05-140r0
carryover

4.7 Kevin Butt to Bring proposal following direction related to clean behavior.
carryover

4.8 Kevin Butt to add cleaning bits from 05-213 to his proposal and find log page for them.
carryover

4.9 Dave Peterson: Incorporate 05-334r0 into SSC-3.

closed

4.10 Kevin Marks: update and post a new revision of 05-262 based on discussion item 5.2.

closed

4.11 Kevin Marks: update and post a new revision of 05-213 based on discussion item 5.3.

closed

4.12 Roger Cummings: produce a proposal to describe the events that shall activate and deactivate the cleaning related tape alert flags and to add a second flag for predictive failure of the medium.

carryover

4.13 Paul Entzel: update and post a new revision of 05-320 based on discussion item 6.3.

closed

4.14 Dave Peterson: Incorporate 05-320r1 into SSC-3.

closed.

4.15 Michael Banther: update and post a new revision of 05-154r2 based on discussion item 6.1

closed. 05-154r3

5. Old business**5.1 SSC-3: Physical device model (05-049r2) [Suhler]**

defer

5.2 SPC-4/SSC-3: ASC/ASCQ for Medium Thread Failure (05-262r2) [Marks]

Discussion surrounded the definitions of thread and unthread. Deleted the definitions of mount/de-mount/load/unload/mounted. Paul Entzel wanted to add Not Ready and text to say if can't determine if H/W or S/W then set Not ready. Kevin Butt did not want that.

Kevin Marks moved that 05-262r2 as revised by included in SSC-3. Michael Banther seconded.

5.3 SSC-3: Device Statistics log page for SSC-3 and Tape Diagnostic Data log page (05-213r2) [Marks]

A lot of discussion about timestamps and what error is reported. Is it by reported error or unique error condition surfacing. Kevin Marks to revise and post.

5.4 SSC-3 TapeAlert Enhancements (05-154r3) [Banther]**5.5 SSC-3: Vendor Feedback (05-351r2) [Peterson]**

clause 2.1.1

Item 1: ASC is already defined as Medium Not Present

Item 2: ASC Medium Not Present - Loadable appears to be appropriate. Need to provide clarifying text.

Item 3: ASC if medium is not pickable report Initializing Command Required, if medium is pickable report Medium Not Present - MAM Accessible. UA for MEDIUM AUXILIARY MEMORY ACCESSIBLE.

AI Kevin Butt: Provide associated text, inside the cleaning proposal.

Discussion about Encryption. Michael wants to have John Lohmeyer approve under the T10 umbrella a T10 *Encryption Key Management* study group to address this. There are a dozen different potential implementations. Chris Williams volunteered to chair the study group and Greg Wheelless volunteered to be the secretary. The anticipated outcome is to decide on the proper WG to take in proposal or proposals to. And to generate at least one initial proposal. Dave Peterson suggested that work is closely done with T11. Dec 5 - 9 is next T11.

5.6 Working List for ISV feedback (SMC/SSC/ADC/SPC) (05-315r2) [Butt]

covered in item 5.5

6. New Business

6.1 SSC-3 Add WORM VERSION field to Sequential Access Device Capabilities VPD page (05-391r0) [Banther]

Discussion revolved around how this is different than the Medium Configuration mode page. This could not be clarified to the satisfaction of either Paul Entzel or Kevin Butt. Discussion also surrounded whether this is really a vendor specific item. Michael discussed how this would be for different versions of WORM.

AI: Michael Banther to revise and post.

6.2 SMC-3, SPC-4, SBC-3, and SSC-3: Remove Attached Media Changer model (05-317r2) [Entzel]

Discussion surrounded where to put the text about the obsoleted commands. Comments were that the location chosen is editorial. Paul Entzel made a motion that this working group recommends inclusion of 05-317r2 as modified by the SMC working group into SSC-3. Greg Wheelless seconded. Vote was [5:1:0].

6.3 ADI ADC-2 Target Device Serial Number (05-155r2) [Entzel]

Modifications were suggested. AI: Paul Entzel to provide comments to Rod Wideman.

6.4 SSC: Configurable EW (05-423r0) [Butt]

Notes taken in proposal. Kevin Butt to revise and post.

7. Next Meeting Requirements.

Request a minimum of 5 hours in the same time slot.

8. Review of new action items

- 8.1 Banther: Revise and post SSC-3 Add WORM VERSION field to Sequential Access Device Capabilities VPD page (05-391r0)**
- 8.2 Paul Entzel: Feedback comments on ADI ADC-2 Target Device Serial Number (05-155r2) to Rod Wideman.**
- 8.3 Kevin Butt: Review TapeAlert flags for which mean media vs. hardware vs. firmware from 05-424r0**
- 8.4 Kevin Marks: revise and post 05-262r2 - ASC/ASCQ for Medium Thread Failure**
- 8.5 Dave Peterson: Incorporate 05-262r3 - ASC/ASCQ for Medium Thread Failure**
- 8.6 Kevin Butt: Provide associated text, inside the cleaning proposal for 2.1.1 of 05-351r2.**
- 8.7 Kevin Butt to revise and post Configurable EW (05-423r0)**

9. Adjournment

Dave Peterson made a motion for adjournment at 5:09 pm. Seconded by Erich Oetting.