

T10/08-142r0: Minutes
SCSI Media Changer (SMC) Working Group
for 10 March 2008, 9:55 AM - 12:00 PM EDT

1. Introductions Group

Curtis Ballard called the meeting to order at 9:55 ADT. He thanked Net Appliance for hosting the meeting. Kevin Butt is serving as the secretary of this meeting.

2. Approval of the Agenda Curtis Ballard

Curtis Ballard presented the agenda. Paul Suhler made a motion to accept the agenda. Kevin Butt seconded the motion. The group passed the motion unanimously.

3. Attendance and Membership Curtis Ballard

Curtis Ballard reviewed the T10 attendance rules with the group and directed prospective new members to John Lohmeyer. The attendance report appears below.

SMC-3 Working Group Attendance Report - March 2008

Name	S	Organization
Mr. Noud Snelder	V	BDT
Mr. Curtis Ballard	A	Hewlett Packard Co.
Mr. Kevin Butt	P	IBM Corp.
Mr. Paul Stone	A	Quantum Corp.
Dr. Paul Suhler	P	Quantum Corp.
Mr. Halvard Eriksen	AV	Tandberg Storage

6 People Present

Status Key: P - Principal
A - Alternate
AV - Advisory Member
E - Emeritus
L - Liaison
V - Visitor

4. INCITS Patent Policy Curtis Ballard

Curtis Ballard pointed to the T10 website (<http://www.t10.org/patpol.htm>).

Curtis Ballard discussed that T10 needs to avoid discussions that might raise anti-trust issues and that we are all required to make sure they don't happen.

5. Approval of Previous Minutes Group

Curtis Ballard asked for any problems with the minutes of the Jan meeting (08-045r2) and Feb 06 teleconference (08-099r0). Kevin Butt made a motion to approve the minutes. Paul Suhler seconded. Voting was unanimous.

6. Review of Action Items

Kevin Butt

Kevin Butt reviewed the outstanding action items, and the status of each item was reported as listed below:

06-020 [Robert Payne] Define a philosophy for Write Exclusive Persistent Reservations in SMC.

Robert Payne was not present and some individuals thought he was not going to attend anymore. Curtis to discuss with Robert.

06-044 [Roger Cummings] Solicit additional vendor-specific sense codes from library vendors per June discussion item 4.4.

Carry-Over

07-003 [Curtis Ballard] Create a proposal to define the usage of the "Cleaning Requested" and "Cleaning Failure" error codes.

Carry-Over

07-017 [Group] Make sure the all the functionality of Read Element Status is covered by the Report Element Information command (06-272) and the Report Volume Information command and examine if an informative annex to map the RES command onto these is appropriate. [Reminder to do as final step]

07-042 [Paul Suhler] Write a proposal for the commands which the cached ready state in ADC may be used.

Carry-Over

07-058 [Kevin Butt] Revise SMC-3: Medium Magazine Error Codes (07-372r0) and post.

Completed

05Nov07-02 Curtis Ballard: Determine what actions set TapeAlert flag 19h (illegal operation) and when the flag is cleared. Also what actions does it generate? - Report to Curtis Ballard

Completed

05Nov07-03 Erich Oetting: Determine what actions set TapeAlert flag 19h (illegal operation) and when the flag is cleared. Also what actions does it generate? - Report to Curtis Ballard

Carry-Over

05Nov07-05 Halvard Eriksen: Determine what actions set TapeAlert flag 19h (illegal operation) and when the flag is cleared. Also what actions does it generate? - Report to Curtis Ballard

Completed. email sent to reflector.

14Jan08-01 Kevin Butt report to Geoff when their library sets NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED sense code

Completed. Sent to reflector.

- 14Jan08-02 Curtis Ballard report to Geoff when their library sets NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED sense code
Completed
- 14Jan08-03 Noud snelder report to Geoff when their library sets NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED sense code
Carry-Over
- 14Jan08-04 Rod Wideman report to Geoff when their library sets NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED sense code
Completed. email sent.
- 14Jan08-05 Erich Oetting report to Geoff when their library sets NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED sense code
Carry-Over
- 14Jan08-06 Georg Boasson report to Geoff when their library sets NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED sense code
Completed
- 14Jan08-07 Robert Payne report to Geoff when their library sets NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED sense code
Carry-Over
- 14Jan08-08 Noud Snelder to propose meaning of LOGICAL UNIT NOT READY, OFFLINE
Carry-Over
- 14Jan08-09 Curtis Ballard to propose meaning of RANDOM POSITIONING ERROR
Carry-Over
- 14Jan08-10 Rod Wideman to propose meaning of INCOMPATIBLE MEDIUM INSTALLED
Carry-Over
- 14Jan08-11 Kevin Butt to propose meaning of OPERATOR MEDIUM REMOVAL REQUEST
Carry-Over
- 14Jan08-12 Rod Wideman to propose meaning of LOGICAL UNIT COMMUNICATION FAILURE
Carry-Over
- 14Jan08-13 Noud Snelder to send email to SPC-4 editor to remove 'M' from sense code table as specified in 06-397r2.
Carry-Over

14Jan08-14 Rod Widemand to revise SMC-3 New Additional Sense Codes Usage (07-018r1) and post.

Complete

14Jan08-15 Noud Snelder to incorporate SMC-3 New Additional Sense Codes Usage (07-018r2) into SMC-3.

Complete in SMC-3r11

14Jan08-16 Noud Snelder to revise SMC-3 Error codes overview (06-397r2) and post.

Carry-Over

7. Old Business **Group**

7.1 Working List for ISV feedback (SMC/SSC/ADC/SPC) (07-131r0) [Butt]
Deferred

7.2 SMC-3 TapeAlert Enhancements (06-420r2) [Banther]
Deferred

7.3 SMC-3: Medium Magazine Error Codes (07-372r1) [Butt]

Those vendors that use media magazines were requested to review their use of these error codes.

Query ISV's on how they use these sense codes.

Edits were made. Kevin will bring the proposal back after receiving the feedback from other companies.

7.4 SMC-3, Report Element Information (08-066r0) [Ballard]
Curtis presented updates and took comments.

7.5 SMC-3 Use of LOGICAL UNIT NOT READY, INITIALIZING COMMAND REQUIRED error code (08-038r0) [Snelder]

7.6 SMC-3 New ASC/ASCQs List (08-039r0) [Wideman]
Paul took feedback and will share with Rod.

7.7 SMC-3 New Tape Alert flags (08-047r0) [Snelder]

8. New Business **Curtis Ballard**

8.1 SMC-3 Updated SPC-3 references to SPC-4 **Curtis Ballard**

9. Next Meeting Requirements **Curtis Ballard**

Request same meeting time for May meeting Cycle.

One phone conference - preferably on one of these dates: Mar 26, Apr 9, or Apr 16.

10. Review New and Outstanding Action Items**Kevin Butt**

Kevin Butt reviewed the following new action items with the meeting:

- 06-020 [Robert Payne] Define a philosophy for Write Exclusive Persistent Reservations in SMC.
- 06-044 [Roger Cummings] Solicit additional vendor-specific sense codes from library vendors per June discussion item 4.4.
- 07-003 [Curtis Ballard] Create a proposal to define the usage of the “Cleaning Requested” and “Cleaning Failure” error codes.
- 07-017 [Group] Make sure the all the functionality of Read Element Status is covered by the Report Element Information command (06-272) and the Report Volume Information command and examine if an informative annex to map the RES command onto these is appropriate. [Reminder to do as final step]
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- 14Jan08-03 Noud snelder report to Geoff when their library sets NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED sense code
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- 14Jan08-13 Noud Snelder to send email to SPC-4 editor to remove ‘M’ from sense code table as specified in 06-397r2.
- 14Jan08-16 Noud Snelder to revise SMC-3 Error codes overview (06-397r2) and post.
- 10Mar08-01 Curtis Ballard to review use of the medium magazine error codes listed in 07-372 in their libraries and report to Kevin Butt.

10Mar08-02 Rod Wideman to review use of the medium magazine error codes listed in 07-372 in their libraries and report to Kevin Butt.

10Mar08-03 Noud Snelder to review use of the medium magazine error codes listed in 07-372 in their libraries and report to Kevin Butt.

11. Adjournment

Group

Kevin Butt made a motion for adjournment. Paul Suhler seconded the motion. The group passed the motion unanimously. Curtis Ballard adjourned the group at 2:02 PM EDT.