

T10/08-099r0: Minutes  
SCSI Media Changer (SMC) Working Group  
for 06 February 2008, 8:00 AM - 10:00 PST

**1. Introductions** **Group**

Curtis Ballard called the meeting to order at 8:05 AM PST. He thanked HP 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. Kevin Butt mentioned that the date was incorrect on the agenda. Rod Wideman mentioned that it should be PST not PDT. Kevin Butt made a motion to accept the agenda. Geoff Barton 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 - February 06, 2008

Name	S	Organization
Mr. Noud Snelder	V	BDT
Mr. Curtis Ballard	A	Hewlett Packard Co.
Mr. Kevin Butt	P	IBM Corp.
Mr. Geoffrey Barton	V	Overland Storage
Mr. Halvard Erickson		Tandberg
Mr. Rod Wideman		Quantum
Mr. Mike Lahaye		LeCroy

7 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>).

**5. Approval of Previous Minutes** **Group**

Curtis Ballard asked for any problems with the minutes of the January meeting (08-045r1). Curtis pointed out that the agenda item Review of Error codes was removed from the agenda in January since there is an owner assigned for each item. Kevin agreed to update the minutes.

## 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.

Carry-Over

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]

Carry-Over

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.

Carry-Over

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?

Carry-Over

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?

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?

email sent reflector.

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

Carry-Over

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- 14Jan08-04 Rod Wideman report to Geoff when their library sets NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED sense code  
Carry-Over
- 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  
Carry-Over
- 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.

Carry-Over

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]  
Rod Wideman brought up that one of the ISV requests was missed.

What are we going to do about it? This was in SSC-3 but not SMC-3. Since this is in SSC-3 we don't need to discuss it here. No other comments were discussed.

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

7.3 SMC-3: Medium Magazine Error Codes (07-372r0) [Butt]  
Deferred.

7.4 SMC-3, Report Element Information (08-066r1) [Ballard]

Curtis went through changes. Several comments were made.

There was a discussion about the code set values and the value Fh that is present in this proposal but not SPC-4. Kevin mentioned that it was not a good idea to use a reserved value in SPC-4 without requesting SPC-4 be modified to accommodate that. A long discussion resulted in suggestions to rename the field; check the rest of SMC for how CODE SET is used; illicit suggestions from the SPC editor; modify the proposal to use a CODE SET QUALIFIER that limits the code set to a representation of a decimal value. There was also discussion of a need to represent what scale the decimal representation is in.

Further discussion suggested that the Location Type Code be vendor specific with no predefined names and have an additional ASCII field that describes the Location Type Code (e.g., 02h; " Row").

Discussion revolved around the curdata bit set to zero in the report volume information cdb and the proper wording. Resolved the wording needed to specify if the device server is ready and....

Curtis wanted everybody to review the IMP bit and what its default should be on power-on.

Time expired.

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]

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

## 8. New Business

**9. Next Meeting Requirements****Curtis Ballard**

No change from January T10 meeting.

**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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- 14Jan08-16 Noud Snelder to revise SMC-3 Error codes overview (06-397r2) and post.
- 06Feb08-01 Geoff Barton to propose meaning of NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED
- 06Feb08-02 Curtis Ballard to revise and post SMC-3, Report Element Information (08-066r1)

## **11. Adjournment**

## **Group**

Kevin Butt made a motion for adjournment. Rod Wideman seconded the motion. The group passed the motion unanimously. Curtis Ballard adjourned the group at 10:01 PST.