

T10/08-190r0: Minutes
SCSI Media Changer (SMC) Working Group
for 09 April 2008, 8:10 AM - 10:00 AM PDT

1. Introductions **Group**

Curtis Ballard called the meeting to order at 8:10 AM PDT. He thanked HP for hosting the teleconference. 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 - April 9 2008

Name	S	Organization
Mr. Noud Snelder	V	BDT
Mr. Curtis Ballard	A	Hewlett Packard Co.
Mr. Kevin Butt	P	IBM Corp.
Dr. Paul Suhler	P	Quantum Corp.
Rod Wideman		
Geoff Barton		

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**

6. Review of Action Items **Kevin Butt**

- 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]
- 07-042 [Paul Suhler] Write a proposal for the commands which the cached ready state in ADC may be used.
- 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
- 14Jan08-03 Noud snelder report to Geoff when their library sets NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED sense code
- 14Jan08-05 Erich Oetting report to Geoff when their library sets NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED sense code
- 14Jan08-07 Robert Payne report to Geoff when their library sets NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED sense code
- 14Jan08-08 Noud Snelder to propose meaning of LOGICAL UNIT NOT READY, OFFLINE
- 14Jan08-09 Curtis Ballard to propose meaning of RANDOM POSITIONING ERROR
- 14Jan08-10 Rod Wideman to propose meaning of INCOMPATIBLE MEDIUM INSTALLED
- 14Jan08-11 Kevin Butt to propose meaning of OPERATOR MEDIUM REMOVAL REQUEST
- 14Jan08-12 Rod Wideman to propose meaning of LOGICAL UNIT COMMUNICATION FAILURE
- 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.

7. Old Business

Group

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

[Butt]

- 7.2 SMC-3 TapeAlert Enhancements (06-420r2) [Banther]
- 7.3 SMC-3: Medium Magazine Error Codes (07-372r1) [Butt]
- 7.4 SMC-3, Report Element Information (08-066r0) [Ballard]
- 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]

Rod went through the proposal.

Kevin asked for a consensus on what the intent of additional sense codes is. That is what are they supposed to be used for (e.g., trigger software action or just logging). And Curtis wanted to see if the user can pinpoint the failure but not to the level of a log.

A discussion resulted as to how different companies use sense codes. Some use it for their logging and others use it for more specific means.

Rod pointed out that the sense key also matters when looking for automated response by software.

We should make the additional sense codes have a delineation that is useful to the application and that is also useful for delineation for an administrator or advanced user. But in doing this, we need to realize that there are existing vendor-specific sense codes in use so the new sense codes need to delineate enough such that the vendors will use the new sense codes instead.

For the proposed new additional sense codes, it was agreed that item c. Timeout should be dropped since it is indistinguishable from d.

Discussion made it through table 3 with edits and suggested changes.

Time was called.

- 7.7 SMC-3 New Tape Alert flags (08-047r0) [Snelder]
- 7.8 SMC-3 Updated SPC-3 references to SPC-4 Curtis Ballard
- 8. New Business Curtis Ballard**
- 9. Next Meeting Requirements Curtis Ballard**
- 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.
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11. Adjournment

Group

Rod Wideman made a motion for adjournment. Noud Snelder seconded the motion. The group passed the motion unanimously. Curtis Ballard adjourned the group at 9:59 AM PDT.