

T10/08-335r0: Minutes
SCSI Media Changer (SMC) Working Group
for 20 Aug 2008, 8:00 AM - 10:00 AM PDT

1. Introductions **Group**

Curtis Ballard called the meeting to order at 8:05 AM PDT. He thanked Symantec for hosting the phone conference. Kevin Butt served as secretary.

2. Approval of the Agenda **Curtis Ballard**

Curtis Ballard presented the agenda. Paul Suhler made a motion to accept the agenda. Noud Snelder 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 - July 2008

Name	S	Organization
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Mr. Noud Snelder	V	BDT
Mr. Curtis Ballard	A	Hewlett Packard Co.
Mr. Kevin Butt	P	IBM Corp.
Mr. Geoffrey Barton	V	Overland Storage
Dr. Paul Suhler	P	Quantum Corp.
Mr. Roger Cummings	P	Symantec

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**

Not done due to this being a phone call

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

Old Action Items:

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

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

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

Overtaken by events. - Remove

14Jan08-05 Erich Oetting report to Geoff when their library sets NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED sense code

Overtaken by events. - Remove

14Jan08-09 Curtis Ballard to propose meaning of RANDOM POSITIONING ERROR

Carry-Over

14Jan08-11 Kevin Butt to propose meaning of OPERATOR MEDIUM REMOVAL REQUEST

Carry-Over

14July08-01 Geoff Barton to create a proposal for the use of the NOT READY TO READY TRANSITION sense code.

Carry-Over

14July08-02 Noud Snelder will revise and post 08-038r2.

Complete

14July08-03 Curtis Ballard will revise and post 08-215r1.

Carry-Over

14July08-04 Noud Snelder will revise and post 08-047r1.

Complete

06Aug08-01 Curtis to revise and post 08-201r1 per discussion

Carry-Over

06Aug08-02 Noud to incorporate 08-038r4 into SMC-3

Carry-Over

7. Old Business

Group

- 7.1 Working List for ISV feedback (SMC/SSC/ADC/SPC) (07-131r0) [Butt]
Defer
- 7.2 SMC-3 Cleaning error codes (08-201r1) [Ballard]
Defer
- 7.3 SMC-3 Use of INCOMPATIBLE MEDIUM INSTALLED (08-270r0) [Wideman]
Curtis asked why “INCOMPATIBLE MEDIUM INSTALLED” is only described in the Medium transport element descriptor and not in others like the import/export element or storage element. Paul will feedback the information to Rod.
- 7.4 SMC-3 New Tape Alert flags (08-047r2) [Snelder]
Noud took several edits.
There was discussion about how it is known to set and/or clear the flags related to cleaning cartridges.
Noud made a motion that 08-047r2 as revised by incorporated into SMC-3. Curtis Ballard seconded the motion. The motion passed unanimously.
AI: Noud to revise and post SMC-3 New Tape Alert flags (08-047r2).
AI: Noud to incorporate SMC-3 New Tape Alert flags (08-047r3) into SMC-3
- 7.5 SMC-3 Use of LOGICAL UNIT COMMUNICATION FAILURE (08-271r0) [Wideman]
There was a discussion about how this belongs in SPC. Paul will discuss with Rod.
AI: Rod to decide if he will change this to be against SPC-4.
- 7.6 SMC-3 TapeAlert Enhancements (06-420r2) [Ballard]
Defer
- 7.7 SMC-3 Medium Magazine Error Codes (07-372r1) [Butt]
Defer
- 7.8 SMC-3 Report Volume Information (08-215r1) [Ballard]
Defer
- 7.9 SMC-3 Report Element Information (08-066r4) [Ballard]
Defer
- 7.10 SMC-3 Use of LOGICAL UNIT NOT READY, OFFLINE (08-260r0) [Snelder]
There was a discussion about what a medium-access command is. There was a discussion that we should create a definition for medium-access command.
Kevin asked what the difference between offline and the other not ready codes.
Noud pointed out that this sense code is returned to an SMC device because ADC defines its use. The discussion bogged down when the history of why ADC defined offline was tried to

be understood. In ADC it is defined in terms of the library being in the ready state.

AI: All to report to Noud what causes the LOGICAL UNIT NOT READY, OFFLINE error code to be reported. This needs to be in light of both ADC and SMC.

7.11 SMC-3 New additional sense codes tracking document (08-272r1) [Wideman]

8. New Business **Curtis Ballard**

8.1 SMC-3 Use of NOT READY error codes (08-320r0) [Snelder]
Noud covered this and made some modifications. We ran out of time.

9. Plans for SMC-3 call for final technical input **Curtis Ballard**

Tentatively looking at January 2009 call for final content. We will review each meeting cycle the appropriateness of the date.

10. Next Meeting Requirements **Curtis Ballard**

Colorado Springs on September 8.

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

Old Action Items:

- 06-044 [Roger Cummings] Solicit additional vendor-specific sense codes from library vendors per June discussion item 4.4.
- 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.
- 14Jan08-09 Curtis Ballard to propose meaning of RANDOM POSITIONING ERROR
- 14Jan08-11 Kevin Butt to propose meaning of OPERATOR MEDIUM REMOVAL REQUEST
- 14July08-01 Geoff Barton to create a proposal for the use of the NOT READY TO READY TRANSITION sense code.
- 14July08-03 Curtis Ballard will revise and post 08-215r1.
- 06Aug08-01 Curtis to revise and post 08-201r1 per discussion
- 06Aug08-02 Noud to incorporate 08-038r4 into SMC-3

New Action Items from this meeting

- 20Aug08-01 Noud to revise and post SMC-3 New Tape Alert flags (08-047r2).
- 20Aug08-02 Noud to incorporate SMC-3 New Tape Alert flags (08-047r3) into SMC-3
- 20Aug08-03 Rod to decide if he will change SMC-3 Use of LOGICAL UNIT COMMUNICATION FAILURE (08-271r0) to be against SPC-4.

- 20Aug08-04 Curtis to report to Noud what causes the LOGICAL UNIT NOT READY, OFFLINE error code to be reported. This needs to be in light of both ADC and SMC.
- 20Aug08-05 Kevin to report to Noud what causes the LOGICAL UNIT NOT READY, OFFLINE error code to be reported. This needs to be in light of both ADC and SMC.
- 20Aug08-06 Paul to report to Noud what causes the LOGICAL UNIT NOT READY, OFFLINE error code to be reported. This needs to be in light of both ADC and SMC.
- 20Aug08-07 Geoff to report to Noud what causes the LOGICAL UNIT NOT READY, OFFLINE error code to be reported. This needs to be in light of both ADC and SMC.

12. Adjournment

Group

Paul Suhler made a motion for adjournment. Kevin Butt seconded the motion. The group passed the motion unanimously. Curtis Ballard adjourned the group at 10:03 PDT.