

Draft Minutes
SCSI Media Changer (SMC) Working Group
Ad Hoc Meeting
T10/05-318r0
18 August 2005
7:30 AM – 9:30 AM PDT

1. **Introductions**

Group

Michael Banther called the meeting to order at 7:35 AM PDT.

2. **Approval of the agenda**

Michael Banther

Michael Banther discussed the order of the discussion items.

Michael Banther made a motion to accept the agenda. Paul Suhler seconded the motion. The group passed the motion unanimously.

3. **Attendance and Membership**

Michael Banther

Michael Banther 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

<u>Name</u>	<u>S</u>	<u>Organization</u>
Mr. Rod Wideman	V	ADIC
Mr. Noud Snelder	V	BDT
Mr. Michael Banther	V	Hewlett Packard Co.
Mr. Kevin Butt	A	IBM Corp.
Mr. Paul Entzel	P	Quantum Corp.
Mr. Paul Suhler	A	Quantum Corp.
Ms. Susan Gray	A	Quantum Corp.
Mr. Greg Wheelless	A	Symantec
Mr. Tim Pierce	A	IBM Corp.

4. **INCITS Patent Policy**

Michael Banther

Michael Banther directed the group to a reading of the [T10 Short Summary](#) of the INCITS Patent Policy.

5. **Approval of previous meeting minutes**

Michael Banther

Michael Banther requested corrections for the minutes of the 11 July 2005 meeting, 05-254r0. No comments were made.

6. Review of action items:

Kevin Butt

- a. [Greg Wheelless] Model information on how PAMR interaction with I/E elements. Carry-Over
- b. [Kevin Butt] Write proposal for Self describe SCSI command timeouts. [05-284r0]
- c. [Michael Banther] Enhanced TapeAlert capability – synchronization with SSC-3. Carry-Over
- d. [Michael Banther] Reporting of virtual libraries / partitioning to host. Carry-Over
- e. [Paul Entzel] Remove attached media changer model. Carry-Over
- f. [Rod Wideman] Visibility of media type in storage element. Medium Domain (e.g. technology) & Medium type (e.g. WORM, Clean, Data, F/W Upgrade) Carry-Over. [Michael Banther] Add to 05-063r1 “Review of Clean”. This should include a model section of all ways the media changer is affected by cleaning. Reference 7.1. ASC/ASCQ’s should be specified for all states. [closed]
- g. [Greg Wheelless] Change the 3rd paragraph of 5.3.1 to clarify addresses and volumes. Carry-over
- h. [Noud Snelder] Revise and post 05-078r1 as 05-078r3 pending next Action Item. closed
- i. [Noud Snelder; Michael Banther] Get revision number corrected with John Lohmeyer. [closed]
- j. [Rod Wideman] Revise and post 05-243r0 as 05-243r1. carry-over
- k. [Michael Banther] Schedule phone conference. [closed]

7. Discussion items:

7.1 Development of SMC-3 Standard (05-175r3) [Banther]

7.2 SMC-3 Media Changer Component Model Proposal (05-271r2)[Wheelless]

Discussed the definition of the various components.

The availability attribute currently contains both physical and logical states. This should be represented as two separate attributes.

Talked about the meaning of offline and how it relates to readiness. Offline is a subset of readiness.

In discussing the example, it was suggested that identifier be used instead of address for clarification. In the case where a component is the same as an element, the address and

identifier are the same. The group decided to use “component address”. All components are in the same address space.

Door containment currently represents access and not just physical containment. Create a new module to represent the physical containment in which the door would be part of. Physical state is propagated downward to children and the child may propagate its logical state upward.

Discussion cut short in order to allow time for other discussion topics.

7.3 SMC-3: CA's Response to 05-175r2 Development of SMC-3 Standard (05-297) [Butt]

Reviewed an email that Kevin had sent out to the group that summarized 05-297r0 and 05298r0. (Later posted as 05-315r0).

All devices item 1 – each vendor should bring in a list of the sense data values used (at least vendor unique ones). This would be used to evaluate what conditions should be standardized.

All devices item 2 – What is lacking in log page 7 and does 05-158r2 resolve this issue.

Library device item 1. The group is already addressing reporting of medium type and there are several proposals in progress.

Discussion cut short due to lack of time.

7.4 SMC-3 Extended device capabilities proposal (05-078r3) [Snelder]

7.5 SMC-3 OPEN/CLOSE IMPORT/EXPORT ELEMENT command (05-070r2) [Snelder]

7.6 SMC-3 Read Element Multi-identifiers (05-153r1) [Banther]

7.7 SMC-3 Read Element Media Descriptor Proposal (05-259) [Banther]

7.8 SMC ISO/IEC 14776-351 comments (05-293) [Banther]

7.9 SPC-3 SPC-4 SES-2 SMC-3 Command requirements (05-074r1) [Banther]

7.10 Visibility of media type in storage element [Rod Wideman]

8. Unscheduled business:

9. Next meeting requirements:

Michael Banther

Subject to approval by the T10 Plenary, the group will hold a meeting 12 September 2005 during T10 plenary week in Colorado Vancouver, BC beginning at 2:30 PM and concluding at 7:00 PM.

10. Review new action items:

Michael Banther

10.1 [Greg Wheelless] Revise and post 05-271r2 as 05-271r3.

10.2 [All library vendors] Produce a list of vendor unique SCSI sense values used by their products.

10.3 [Kevin Butt] Post the email summary of 05-297 and 05-298.

10.4 [Michael Banther] Schedule teleconference for 1 September 2005.

11. Adjournment:

Group

Kevin Butt made a motion for adjournment. Rod Wideman seconded the motion. The group passed the motion unanimously. Michael Banther adjourned the group at 9:30 AM PDT.