

Draft Minutes  
SCSI Media Changer (SMC) Working Group  
Ad Hoc Meeting  
T10/05-118r0  
7 March 2005  
2:30 PM – 6:00 PM PST

1. **Introductions**

Group

Michael Banther called the meeting to order at 2:30 PM PST. He thanked QLogic for hosting the meeting.

2. **Approval of the agenda**

Michael Banther

Michael Banther discussed the order of the discussion items. No one requested a change.

Paul Suhler made a motion to accept the agenda. Rod Wideman 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 Report - March 2005

<u>Name</u>	<u>S</u>	<u>Organization</u>
Mr. Rod Wideman	V	ADIC
Mr. Noud Snelder	V	BDT
Mr. Bernhard Kappler	V	Hewlett Packard
Mr. Michael Banther	V	Hewlett Packard Co.
Mr. Kevin Butt	A	IBM Corp.
Mr. Paul Entzel	P	Quantum Corp.
Mrs. Susan Gray	V	Quantum Corp.
Dr. Paul Suhler	A	Quantum Corp.

8 People Present

Status Key:	P	-	Principal
	A,A#	-	Alternate
	AV	-	Advisory Member
	L	-	Liaison
	V	-	Visitor

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 17 January 2005 meeting, 05-047r0. No one offered corrections.

Paul Suhler made a motion for acceptance of the minutes as written. Rod Wideman seconded the motion. The group passed the motion unanimously.

**6. Review of action items:**

Susan Gray

- a. Michael Banther will talk to John Lohmeyer about putting together a standard statement to request input from the ISVs on behalf of the working group.*[carryover]*
- b. Michael Banther will revise 05-026r0 per discussion item c. *[closed]*
- c. Noud Snelder will incorporate 05-026r0 into SMC-3 as revised.*[carryover]*
- d. Michael Banther and Susan Gray will produce a list of potential improvements to be investigated and prioritized for inclusion in SMC-3. *[closed - 05-063r0]*

**7. Discussion items:**

7.1 LOGICAL UNIT NOT READY, OFFLINE [Butt-email]

We all agreed that it should be applied to SMC devices as well and Kevin will take it to CAP.

7.2 SMC-3 Open/Close element command (05-070r0) [Snelder]

Noud led the group through a discussion of the proposal.

Susan Gray mentioned that there is vendor unique legacy use of the 1Bh operation code. Conflicting values were changed to allow the two uses of the command to be differentiated.

Rod Wideman initiated a discussion around how this command is affected by medium removal prevented.

The consensus of the group was that it would be difficult to add a new element type of door.

The group noted that a change to SPC-4 will also be needed.

Rod Wideman initiated a discussion on whether the terms open and close need to be defined. It was suggested that the model section for import/export elements be modified.

7.3 SMC-3 Extended device capabilities (05-078r0) [Snelder]

Not discussed due to lack of time

7.4 SMC-3 Prioritized feature list (05-063r0) [Gray]

Not discussed due to lack of time.

**8. Unscheduled business:**

8.1 Data Protector Discussion [Kappler]

Visibility of media type in a storage element specifically for the support of mixed media in a single library. This would allow automatic configuration by the host application. Having both the domain (form factor) (i.e. LTO, SDLT) and the type of the media (i.e. Gen 1, 2, etc.) would be useful. The initial goal would be to avoid explicit enumerations of the types and just report compatibility among the elements within the media changer device. What they are looking for is to be able to group like elements to form a logical library.

They have problems with correlation of drives and element locations since the drive serial number is not reported in a standard way via the media changer. The group needs to make a decision on how to resolve this keeping in mind legacy issues.

One suggestion would be to provide a mechanism for the application to ask the automation device to issue a command to the data transfer element and return the data. This would allow the application to collect the information via two paths to correlate the location of the data transfer elements.

Make Persistent Reservation command mandatory in SMC-3.

Knowing which arm has direct access to elements would be useful in helping the application manage element accessibility.

For licensing reasons, they would like visibility as to whether a library has been partitioned or is virtualized.

#### 8.2 Set volume identifier (05-015r1) [Entzel]

The group reviewed the use of the term "volume identification" in SMC-2 and made it consistent throughout the document.

Kevin Butt made a motion for acceptance of the proposal as revised. Michael Banther seconded the motion. The group passed the motion unanimously.

9. Next meeting requirements: Michael Banther

Subject to approval by the T10 Plenary, the group will hold a meeting 2 May 2005 during T10 plenary week in Oklahoma City, OK beginning at 2:30 PM and concluding at 7:00 PM.

6 Review new action items: Michael Banther

- a. Kevin Butt will make a request to CAP to include Media Changer devices for the Logical Unit Not Ready, Offline additional sense key.
- b. Noud Snelder will revise 05-070r0 per discussion item 7.2.
- c. Noud Snelder will incorporate 05-015r2 into SMC-3.

7 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 6:11 PM PST.