

Draft Minutes
SCSI Media Changer (SMC) Working Group
Ad Hoc Meeting
T10/05-047r0
17 January 2005
2:30 PM – 7:00 PM PST

1. Introductions: Group

Michael Banther called the meeting to order at 2:35 PM PST. He thanked Hitachi 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 - January 2005

<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	V	IBM Corp.
Mr. Paul Entzel	P	Quantum Corp.
Mrs. Susan Gray	V	Quantum Corp.
Dr. Paul Suhler	A	Quantum Corp.
Mr. Erich Oetting	P	Storage Technology 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. Review of action items:

Michael Banther

- a. Michael Banther will approach ISV's present at the November T10 meetings for interest in SMC-3. He will seek to find out what SMC-x features they would like to see standardized. *[closed]*
- b. Michael Banther will have HP approach ISV's engaged with HP for interest in SMC-3. He will seek to find out what SMC-x features they would like to see standardized. *[closed]*
- c. Rod Wideman will approach ISV's engaged with ADIC for interest in SMC-3. He will seek to find out what SMC-x features they would like to see standardized. *[closed]*
- d. Susan Gray will approach ISV's engaged with Quantum for interest in SMC-3. She will seek to find out what SMC-x features they would like to see standardized. *[closed]*

6. Discussion items:

6.1 ISV participation

ADIC approached Veritas, CommVault, TSM, and Legato regarding interest in SMC-3. TSM responded with the following suggestions.

Rod; Here are some suggestions on some areas that would help TSM with "managing" tape libraries.

1. Self describing "structures" for WWN, Serial Number etc. with a data length etc. Today, different manufacturers have different lengths of serial numbers and they change periodically. If we didn't have to hardcode the lengths of the fields it would help us greatly.
2. The read element status command passes back structures with different length descriptors for export slots, slots, entry export ports, etc. Again, if these could be self describing lengths and locations it would help. Today we have to hardcode tables that are device unique.
3. If there was a command to return element address associated with a physical "ID" that would be helpful. For example if the command told us that drive element address "10" is SCSI ID "02."

Thanks!
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No response from Veritas or Legato and CommVault commented that they are in the process of putting together a list.

Quantum approached Veritas, Legato, CommVault, and CA with similar responses. Two months after the inquiry, CA is still looking into it and nothing from Veritas and Legato. CommVault responded with the following:

This is Jun from CommVault systems.
Regarding your questionnaire, CommVault wants to participate in this effort with a list of input we have internally discussed.

Also, we are willing to support newer standard if the implementation is available in participating vendors' hardware and the support for the implementation is beneficial for all participating parties.

I am in the middle of compiling the list of items we want to appear on the next standard.

So, please let us know in what route we can join this effort.

You can contact me for any further questions on this issue by email.

Thanks,

Jun A

The group decided to generate a formal request for input on behalf of the working group. Michael and Susan will put together a bulleted list which could be used as discussion points with ISVs. Once the letter is sent out, we will have to follow up with each of the ISVs.

6.2 SMC-3 Guidance From Data Protector (05-038) [Banther]

Michael presented feedback from his discussion with Data Protector, a back application. The information from this document will be extracted into a complete list of issues to be addressed by the working group.

This prompted more discussion of issues to be addressed by the working group. Rod brought up the idea of providing a mechanism for the device to self describe SCSI command timeouts.

Rod brought two other areas that have been problematic: describing accessibility of I/E elements and a method to disable a drive so the ISV package knows not to use a drive. In addition, a method for the ISV to tell the library to down a drive.

6.3 SMC-3 DTE Prevented Medium Removal (05-026) [Banther]

Michael presented the proposal. Rod suggested changing the name of the sense data to make it more obvious that the data transfer element is preventing removal and not the library.

Michael Banther made a motion to incorporate 05-026r0 as revised into SMC-3. Erich Oetting seconded the motion. The group passed the motion unanimously.

7 Unscheduled business:

No one raised unscheduled business.

8 Next meeting requirements:

Michael Banther

Subject to approval by the T10 Plenary, the group will hold a meeting 7 March 2005 during T10 plenary week in Dana Point, CA beginning at 2:30 PM and concluding at 7:00 PM.

9 Review new action items:

Michael Banther

- 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.
- b. Michael Banther will revise 05-026r0 per discussion item c.
- c. Noud Snelder will incorporate 05-026r0 into SMC-3 as revised.
- d. Michael Banter and Susan Gray will produce a list of potential improvements to be investigated and prioritized for inclusion in SMC-3.

10 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 4:18 PM PST.