T10/07-276r0: Minutes
SCSI Media Changer (SMC) Working Group
for June 13, 2007, 2:27 PM - 7:00 PM PDT

1.   Introductions   [Banther]

2.   Approval of the Agenda   [Butt]

Kevin Butt made a motion to accept agenda as modified. Michael Banther seconded the motion. The motion passed unanimously.

3.   Attendance and Membership   [Banther]

Michael Banther reviewed the T10 attendance rules with the group and directed prospective new members to John Lohmeyer. The attendance report appears below.

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SMC-3 Working Group Attendance Report - May 2007


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

9 People Present

Status Key:  P   - Principal
             A,A# - Alternate
             AV  - Advisory Member
             E   - Emeritus
             L   - Liaison
             V   - Visitor
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4.   INCITS Patent Policy (see http://www.t10.org/patpol.htm)

5.   Comments on minutes of previous meeting (07-239r0)   [Butt]

6.   Review of action items

Kevin Butt reviewed the following items with the meeting:

06-002   [Michael Banther] Reporting of virtual libraries / partitioning to host.

> Carry-Over

06-020   [Robert Payne] Define a philosophy for Write Exclusive Persistent Reservations in SMC.

Carry-Over

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

Carry-Over

06-063 [Noud Snelder] Investigate use of LOGICAL UNIT NOT READY, INITIALIZING COMMAND REQUIRED error code.

Halvard of Tandberg has indicated they will no longer be participating in T10 meetings. Noud will include in 06-397.

07-003 [Curtiss Ballard] Create a proposal to define the usage of the "Cleaning Requested" and "Cleaning Failure" error codes.

Carry-Over

07-004 [Kevin Butt] Create a proposal for the "Medium Magazine" error codes.

Carry-Over

07-006 [Rod Wideman] Define a new ASC/ASCQ for "Logical Unit Not Ready – Robotics Disabled".

Carry-Over

07-012 [Michael Banther] Create and post 06-420r1 (r0 revised as per discussion at the February 21, 2007 conference call).

Carry-Over

07-016 [Kevin Marks] Revise and post SMC-3: Diagnostics Data log page, 06-395r4 (06-395r3 as revised).

Complete by 06-395r5 posted.

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]

Carry-Over

07-027 [Rod Wideman] Revise and post SMC-3 New Additional Sense Codes Usage (07-018r0) as 07-018r1.

Carry-Over

07-028 [Curtis Ballard] Revise and post SMC-3 Clarification of reporting drive prevented media removal (07-015r1)

Complete by 07-015r2

07-029 [Noud Snelder] Revise and post SMC-3 Processed commands during not ready state (07-060r1)

Carry-Over

07-030 [Roger Cummings] Revise and post SMC-3: Clarifying Addresses and Volumes (07-122r0)

Completed 07-122r1.

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07-031 [Noud Snelder] Incorporate SMC-3: Clarifying Addresses and Volumes (07-122r1) into SMC-3

Incorporated in SMC-3r7

07-032 [Noud Snelder] Revise and post SMC-3 Add PREVENT ALLOW MEDIA RE-MOVAL command (06-442r3)

Complete 06-442r4

07-033 [Noud Snelder] Incorporate SMC-3 Add PREVENT ALLOW MEDIA REMOVAL command (06-442r4) into SMC-3.

Complete SMC-3r7

07-034 [Kevin Marks] Revise and post SMC-3: Diagnostics Data log page (06-395r4)

Completed with posting of 06-395r5

07-035 [Rod Wideman] Have Michael check the procedure for what to do regarding 99-148r7 which was approved in the May 2000 plenary but did not get put into SMC-2. Does it need to be incorporate it into SMC-3?

Carry-Over

7. Old Business

7.1 SMC-3 Command table and INQUIRY clean-up (06-477r1)   [Banther]
Michael made a motion to incorporate SMC-3 Command table and INQUIRY clean-up (06-477r1) as revised into SMC-3. Rod Wideman seconded. The motion passed unanimously.

AI:

[Michael Banther] Revise and post SMC-3 Command table and INQUIRY clean-up (06-477r1)

[Noud Snelder] Incorporate SMC-3 Command table and INQUIRY clean-up (06-477r2)

7.2 SMC-3 New Additional Sense Codes Usage (07-018r0)   [Wideman]
Defer

7.3 SMC-3 Clarification of reporting drive prevented media removal (07-015r2)   [Ballard]

Edits were made.

Curtiss Ballard made a motion to incorporate as revised. Rod Wideman seconded the motion. The motion passed unanimously.

[Curtis Ballard] Revise and post SMC-3 Clarification of reporting drive prevented media removal (07-015r2) as 07-015r3

[Noud Snelder] Incorporate SMC-3 Clarification of reporting drive prevented media removal (07-015r3) into SMC-3

7.4 SMC-3 Processed commands during not ready state (07-060r1)   [Snelder]
Defer

7.5   Working List for ISV feedback (SMC/SSC/ADC/SPC) (07-131r0)   [Butt]
        Kevin covered his modifications and took feedback.

7.6   SMC-3: Diagnostics Data log page (06-395r5)   [Marks]
        Defer

7.7   SMC-3 Error codes overview (06-397r2)   [Snelder]
        Defer - waiting on IBM and HP. Look in 06-397r2

7.8   SMC-3, Report Element Information (06-272r4)   [Ballard]
        Discussed the RO bit of table y+6. Kevin asked if this was useful and would be used. Roger said
        "Dubious". Curtis stated that they use a vendor-specific analogue to this.

        [Curtis Ballard] Revise SMC-3, Report Element Information (06-272r4) and post as 06-272r5

7.9   SMC-3 TapeAlert Enhancements (06-420r0)   [Banther]
        Defer

7.10   SMC-3, POSITION TO ELEMENT command clarification (07-199r0)   [Snelder]

7.11   SMC-3 Aditional sense code for incompatible destination element (07-222r0)   [Snelder]

8.   New Business

8.1   SMC-3, READ ATTRIBUTE and WRITE ATTRIBUTE command clarification (07-244r0)

                                                                          [Snelder]

9.   Next Meeting Requirements   **[Banther]**

10.   Review of New and Outstanding Action Items   **[Butt]**

Kevin Butt reviewed the following items with the meeting:

06-002 [Michael Banther] Reporting of virtual libraries / partitioning to host.

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.

06-063 [Noud Snelder] Investigate use of LOGICAL UNIT NOT READY, INITIALIZING COM-
        MAND REQUIRED error code. Add to 06-397.

07-003 [Curtiss Ballard] Create a proposal to define the usage of the "Cleaning Requested" and
        "Cleaning Failure" error codes.

07-004 [Kevin Butt] Create a proposal for the "Medium Magazine" error codes.

07-006 [Rod Wideman] Define a new ASC/ASCQ for "Logical Unit Not Ready – Robotics Dis-
        abled".

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        21, 2007 conference call).

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07-027 [Rod Wideman] Revise and post SMC-3 New Additional Sense Codes Usage (07-018r0) as 07-018r1.

07-028 [Curtis Ballard] Revise and post SMC-3 Clarification of reporting drive prevented media removal (07-015r1)

07-029 [Noud Snelder] Revise and post SMC-3 Processed commands during not ready state (07-060r1)

07-035 [Rod Wideman] Have Michael check the procedure for what to do regarding 99-148r7 which was approved in the May 2000 plenary but did not get put into SMC-2. Does it need to be incorporate it into SMC-3?

07-036 [Michael Banther] Revise SMC-3 Command table and INQUIRY clean-up (06-477r1) and post of 06-477r2

07-037 [Noud Snelder] Incorporate SMC-3 Command table and INQUIRY clean-up (06-477r2)

07-038 [Curtis Ballard] Revise SMC-3 Clarification of reporting drive prevented media removal (07-015r2) and post as 07-015r3

07-039 [Noud Snelder] Incorporate SMC-3 Clarification of reporting drive prevented media removal (07-015r3) into SMC-3

07-040 [Curtis Ballard] Revise SMC-3, Report Element Information (06-272r4) and post as 06-272r5

11. Adjournment   [Banther]

At 10:00 AM PDT Rod Wideman made a motion to adjourn. Roger Cummings seconded the motion. Voting was unanimous.