

Minutes Jan 2008 SSC-3 (08-046r0)

Date: Jan 15, 2008

Time: 9:30 am - 6:00 pm

Location: Santa Ana, CA

Agenda

1. Opening remarks and introductions

Dave Peterson thanked Western Digital for hosting.

Attendance

SSC-3 Working Group Attendance Report - January 2008

| Name | S | Organization |
|--------------------------|-------|--------------------------------------|
| ----- | ----- | ----- |
| Mr. Noud Snelder | V | BDT |
| Mr. David Peterson | P | Brocade |
| Mr. Kevin Marks | P | Dell, Inc. |
| Mr. Robert H. Nixon | A | Emulex |
| Mr. Curtis Ballard | A | Hewlett Packard Co. |
| Mr. Michael Banther | A | Hewlett Packard Co. |
| Mr. Christopher Williams | A | Hewlett Packard Co. |
| Mr. Kevin Butt | P | IBM Corp. |
| Mr. Robert Payne | P | Iomega Corp. |
| Mr. Matthew Ball | V | M.V. Ball Technical Consulting, Inc. |
| Mr. Paul Stone | A | Quantum Corp. |
| Dr. Paul Suhler | P | Quantum Corp. |
| Mr. Rod Wideman | A | Quantum Corp. |
| Mr. Roger Cummings | P | Symantec |
| Mr. Georg Boasson | V | Tandberg Storage |

15 People Present

Status Key: P - Principal
 A - Alternate
 AV - Advisory Member
 E - Emeritus
 L - Liaison
 V - Visitor

2. Approval of agenda (07-488r0) [Peterson]

Dave Peterson moved that the agenda be approved as revised. Bob Nixon seconded the motion. Passed unanimously.

3. Approval of meeting minutes (07-495r0, 08-006r0) [Peterson]

Dave Peterson made a motion to approve the minutes. Bob Griswold seconded the motion. The motion passed unanimously.

4. Review of old action items [Butt]

4.1 Dave Peterson: Bring in a White Paper on the value added with Explicit Command Set.

This no longer needs to be tracked in this working group. Dave would still entertain feedback from anybody.

<<REMOVE>>

4.2 Dave Peterson incorporate TapeAlert Delineation (06-138r6) into SSC-3

Complete SSC-3r03f.

4.3 Dave Peterson to incorporate Requested Recovery log page (07-046r3)

Complete SSC-3r03f

4.4 Paul Suhler will provide his companies definition of medium as a selection from 07-382r1.

Will be discussed in 5.1.2

4.5 Kevin Butt will provide his companies definition of medium as a selection from 07-382r1.

Complete IBM's definition is that MAM is covered Write Protect.

4.6 Erich Oetting will provide his companies definition of medium as a selection from 07-382r1

Write protect should prevent the host writable attributes from being modified but not the device writable attributes. Will be discussed in 5.1.2.

4.7 Paul Suhler to provide his companies answer to "Should a device server allow host write access to MAM on a write protected volume?"

Will be discussed in 5.1.2.

4.8 Erich Oetting to provide his companies answer to "Should a device server allow host write access to MAM on a write protected volume?"

Will be discussed in 5.1.2.

4.9 Fred Knight to investigate if the version byte and the format byte from the LABEL field from Table 123 in SSC-3r03e can be removed.

Yes responded on the reflector. Complete.

4.10 Dave Peterson to incorporate Protecting a partially encrypted volume (07-290r3) into SSC-3.

Complete SSC-3r03f

4.10.1 Paul Suhler assign an owner from the ADI group for item 2.7 of 05-351r1 which is to provide a means for the library Serial Number to be reported by the Tape Drive.

Complete. 08-022r0

4.10.2 Curtis Ballard to revise and post SSC-3: Out of Band Encryption Key Management (07-361r4)

Complete

4.10.3 Dave Peterson to incorporate SSC-3: Out of Band Encryption Key Management (07-361r5) into SSC-3.

Carry-Over.

5. Old business

5.1 General items

5.1.1 Vendor Feedback (05-351r1) [Group]

Dave has been doing some work to pull together all the proposals we have done over the past three years. Hopefully will be updated next meeting.

5.1.2 MAM and write protect (07-382r1) [Banther]

Companies response:

IBM does not allow host attributes of MAM to be modified when the medium is write protected.

Sun does not allow host attributes of MAM to be modified when the medium is write protected.

Quantum does allow host attributes of MAM to be modified when the medium is write protected.

HP: If the MAM is stored on the flexible substrate host attributes modification is not allowed if the medium is write protected. If MAM is stored elsewhere updated the host attributes are allowed when the medium is write protected.

What is the medium?

Dave Peterson asked if there is a problem that is being attempted to be corrected. If not, then the standard should probably be silent on it.

Roger Cummings does not currently write host attributes.

Michael believes there is benefit to doing this, but he is not sure it needs to be in SSC-3. It would be interesting to query ISV's to see if they have a desire to write host attributes and how the write protect should work. Should there be an indicator in the MAM to indicate if MAM host attributes are protected by write protect or not.

Michael requested to push this to SSC-4.

<<REMOVE FROM AGENDA>>

5.2 Security-related items

6. New Business

6.1 General items

6.1.1 SSC-3 Automation device serial number VPD page (08-022r0) [Wideman]

Rod stated this should be against SSC-4 instead of SSC-3. He stated that a companion proposal needed to be discussed in ADI first. After a discussion, the consensus is that we should take of this today. The suggestion was to reword the definition of the AUTOMATION DEVICE SERIAL NUMBER to not mandate a tie to ADC-3 but just to the automation device in which it resides. Perhaps something like:

The AUTOMATION DEVICE SERIAL NUMBER field contains the product serial number of the automation device in which the device resides (e.g., configured via the Automation Device Serial Number subpage (see ADC-3)). If no product serial number has been configured for the automation device via the ~~Automation Device Serial Number subpage~~, then the device server shall return ASCII spaces (20h) in this field.

Plus add the term for the Physical device.

Rod then made some edits offline and brought the updates back for review.

It was discovered that CA had originally requested that both the serial number and the element address be returned. This proposal will not cover the element address lifetime is different.

Kevin Butt moved that SSC-3 Automation device serial number VPD page (08-022r0) as revised be included in SSC-3. Curtis Ballard seconded. The motion passed unanimously

Rod Wideman to revise SSC-3 Automation device serial number VPD page (08-022r0) and post.

<<REMOVE FROM AGENDA>>

Dave Peterson to incorporate SSC-3 Automation device serial number VPD page (08-022r1) into SSC-3.

6.1.2 Editor's discussions for Letter Ballot

Use Logical block throughout for the security text.

Review use of I_T nexus vs. I_T_L nexus throughout security text.

Change encrypted data to encrypted logical block and all associated field and bit names.

The group went through the SSC-3 draft and editorial notes.

Dave asked that we have a vote in plenary to put SSC-4 out for letter ballot and it will include Curtis's proposal and Rod's. The desire is to have Letter Ballot closed in time for March. Michael desires the letter ballot start on January 28 and last the typical 30 days.

Dave would like the comments submitted in a spreadsheet. Dave will post a comments template. You would like a maximum 3-letter company designation followed by "-001".

It is strongly recommended to propose a resolution for each comment.

Dave Peterson made a motion to request a letter ballot be held on SSC-3r04 to T10 for further processing. Kevin Butt seconded. The vote passed on a 9:0:2 vote

6.2 Security-related items

7. Liason reports

7.1 P1619.1 Status report (07-497r0) [Ball]

go to siswg.net webpage and click on the meetings to find the meetings.

Matt asked if this status were needed in the group anymore. The answer is no. Giving status in CAP is sufficient.

<<REMOVE FROM AGENDA>>

8. Project Status

8.1 Next Meeting Requirements (Raleigh, NC)

Same meeting requirements as this meeting.

8.2 Last Technical Input - September 2007

8.3 Target date for letter ballot - January 2008

9. Review of action items

9.1 Old Action Items (Carried Over)

9.1.1 Dave Peterson to incorporate SSC-3: Out of Band Encryption Key Management (07-361r5) into SSC-3.

9.2 New Action Items (New this meeting)

9.2.1 Dave Peterson to post a template for SSC-3 Letter Ballot Comments

9.2.2 Rod Wideman to revise SSC-3 Automation device serial number VPD page (08-022r0) and post.

9.2.3 Dave Peterson to incorporate SSC-3 Automation device serial number VPD page (08-022r1) into SSC-3.

9.2.4 Dave Peterson to create SSC-4 project proposal and post it two weeks prior to next meeting cycle.

10. Items for SSC-4

10.1 Add additional activation conditions to TapeAlert. See note in 05-154r3 to bring in new proposal for this additional info

10.2 Address the Volume model (07-409r0) proposal.

10.3 Address the Cleaning Model (07-219r1) proposal

10.4 Address the TapeAlert Cleaning Clarification (07-408r0) proposal

10.5 Tape end-to-end data protection - presentation (07-373r3) [Butt]

10.6 Tape end-to-end data protection - proposal (07-374r3) [Butt]

10.7 MAM and write protect (07-382r1) [Banther]

11. Adjournment

Dave Peterson made a motion for adjournment at 11:52 AM PST. Seconded by Bob Nixon.