

Minutes Sept 2008 SSC-3 (08-368r0)

Date: September 09, 2008

Time: 10:45 am - 6:00 pm MDT

Location: Colorado Springs, CO

Agenda

1. Opening remarks and introductions

Dave Peterson thanked LSI for hosting.

Attendance

SSC-3 Working Group Attendance Report - September 2008

| Name | S | Organization |
|----------------------|----|--------------------------------------|
| Mr. Noud Snelder | V | BDT |
| Mr. David Peterson | P | Brocade |
| Mr. Robert H. Nixon | A | Emulex |
| Mr. Ralph O. Weber | P | ENDL Texas |
| Mr. Curtis Ballard | A | Hewlett Packard Co. |
| Mr. Kevin Butt | P | IBM Corp. |
| Mr. Matthew Ball | V | M.V. Ball Technical Consulting, Inc. |
| Mr. Frederick Knight | P | NetApp |
| Dr. Paul Suhler | P | Quantum Corp. |
| Mr. Dale LaFollette | P | Sun Microsystems, Inc. |
| Mr. Halvard Eriksen | AV | Tandberg Storage |

11 People Present

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

2. Approval of agenda (08-364r0) [Peterson]

Dave Peterson moved that the agenda be approved as revised. Kevin Butt seconded the motion. Passed unanimously.

3. Approval of meeting minutes (08-294r0) [Peterson]

Dave Peterson made a motion to approve the minutes. Kevin Butt seconded the motion. The motion passed unanimously.

4. Review of old action items [Butt]

4.1 Old Action Items (Carried Over)

4.1.1 Dave Peterson: Research and provide input regarding Letter Ballot comment EMC-001

Reassign to Dale since he is now the Sun representative.

4.1.2 Kevin Butt: Create proposal to resolve Letter Ballot SYM-019 item a.

Carry-Over

4.1.3 Roger Cummings: Research Letter Ballot SYM-019 item b and return with the use cases that show where this is useful.

Closed. Roger asked to withdraw.

4.1.4 Curtis Ballard: Provide a suggested resolution to Letter Ballot comment SYM-022 and QTM-rbw-103

Complete 08-350.

4.1.5 Curtis Ballard: Determine if HP will create a proposal to resolve HPQ-48 or if HP wishes to withdraw the comment.

Complete 08-351.

4.1.6 Kevin Butt: Create a proposal to resolve Letter Ballot IBM L2

Carry-Over

4.1.7 Kevin Butt: Create a proposal to resolve Letter Ballot comment HPQ-70. Suggested to get away from "buffer" wording.

Carry-Over

4.1.8 Working Group: Review Letter Ballot comment IBM-21

HP agrees clarification is needed.

Carry-Over

4.1.9 Kevin Butt: Create a proposal to answer LB comment IBM-27

Carry-Over

4.1.10 Working Group: Review IBM-38 to see if it can be accepted. IBM and HP say yes

Carry-Over

4.1.11 Kevin Butt - Clarify the IBM LB comments to ensure there is enough information to specify to what the comment refers. Start with IBM-038.

Completed by 08-339.

4.1.12 Kevin Butt - Prepare a proposal against SSC-4 to clarify the HOLD bit and LOAD

bit combinations in the Load/Unload command.

Move to SSC-4 Items.

5. Old business**5.1 General items****5.1.1 Vendor Feedback (05-351r1) [Group]**

Updates are being made but not ready to upload yet.

5.1.2 SSC-3: Letter Ballot Comment resolution (08-095r4) [Peterson]

Dave took the group through more LB comments.

There was a discussion about the potential to begin working on some of the SSC-4 items for when we have completed all SSC-3 discussions for a meeting but still have time. The decision was made to reevaluate in November.

5.2 Security-related items**6. New Business****6.1 General items****6.1.1 SSC-3: Letter Ballot comments from IBM clarified (08-339r0) [Butt]**

Kevin will answer Daves questions needed to incorporate with the LB comment resolution document.

6.1.2 SSC-3 Resolve LB comments QTM-rbw-103 and SYM-022 (08-350r0) [Ballard]

Curtis Ballard made a motion to accept 08-350r0 as revised as resolution to LB comments QTM-rbw-103 and SYM-022. The motion passed on a vote of 5:0:2

AI: Curtis to revise and post.

AI: Dave to incorporate into LB comment resolution document and SSC-3

6.1.3 SSC-3 Resolve LB comment HPQ-48 Removable Media Model Clause (08-351r0) [Ballard]

Edits were taken. There was discussion on using the correct term between medium and volume. This proposal relates to volumes and Curtis was asked to change medium to volume.

Kevin pointed out that additional sense codes are named in terms of medium as well as other items. The group needs to be careful in this area.

Curtis Ballard made a motion to accept SSC-3 Resolve LB comment HPQ-48 Removable Media Model Clause (08-351r0) as revised as the resolution to LB comment HPQ-48. Paul Suhler seconded the motion. The motion passed unanimously.

AI: Curtis Ballard to revise and post SSC-3 Resolve LB comment HPQ-48 Removable Media Model Clause (08-351r0)

AI: Dave Peterson to incorporate SSC-3 Resolve LB comment HPQ-48 Removable Media Model Clause (08-351r0) as revised into SSC-3 and to update the LB comment resolution document.

6.2 Security-related items

6.2.1 SSC-3: LB Comment to Add AES Key Wrap as a Supported Key Format (08-155r0) [Ball]

Matt presented the proposal with the intent of being an overview to allow reps to better understand it for discussion internally.

There is one method to establish KEK identifier using IKEv2-SCSI and another by OOB methods.

Dave Peterson asked if we should accept this as a late letter ballot comment.

Matt suggested that this would likely be used with ESP-SCSI to wrap the set data encryption parameters page.

Curtis Ballard suggested that there are more issues to FIPS compliance than symmetric key wrapping and HP would like to see this in SSC-4 instead of SSC-3.

Matt Ball made a motion to add a late letter ballot comment that states:

Problem: The current SSC-3 draft does not support a symmetric-key method for establishing encryption keys in the device server that is approved under NIST FIPS 140-2.

Recommended action: SSC-3 should include a key format that supports AES Key Wrap. Document 08-155r0 proposes one way to add support for AES Key Wrap.

Fred Knight seconded the motion. The motion failed on a vote of 2:4:2.

The secretary was instructed to move this agenda item to the list of SSC-4 items (see 10.).

7. Liason reports

8. Project Status

8.1 Next Meeting Requirements (Santa Ana, CA)

Start at 1:00 PM after FCP-4

8.2 Last Technical Input - September 2007 (complete)

8.3 Target date for letter ballot - January 2008 (complete)

9. Review of action items

9.1 Old Action Items (Carried Over)

9.1.1 Dale LaFollette: Research and provide input regarding Letter Ballot comment EMC-

001

9.1.2 Kevin Butt: Create proposal to resolve Letter Ballot SYM-019 item a.

9.1.3 Kevin Butt: Create a proposal to resolve Letter Ballot IBM L2

9.1.4 Kevin Butt: Create a proposal to resolve Letter Ballot comment HPQ-70. Suggested to get away from “buffer” wording.

9.1.5 Working Group: Review Letter Ballot comment IBM-21

9.1.6 Kevin Butt: Create a proposal to answer LB comment IBM-27

9.1.7 Working Group: Review IBM-38 to see if it can be accepted. IBM and HP say yes

9.2 New Action Items (New this meeting)

9.2.1 Curtis to revise and post SSC-3 Resolve LB comments QTM-rbw-103 and SYM-022 (08-350r0)

9.2.2 Dave to incorporate SSC-3 Resolve LB comments QTM-rbw-103 and SYM-022 (08-350r1) into LB comment resolution document and SSC-3

9.2.3 Curtis Ballard to revise and post SSC-3 Resolve LB comment HPQ-48 Removable Media Model Clause (08-351r0)

9.2.4 Dave Peterson to incorporate SSC-3 Resolve LB comment HPQ-48 Removable Media Model Clause (08-351r0) as revised into SSC-3 and to update the LB comment resolution document.

9.2.5 Dave Peterson to contact SMIS guru to discover if any of the SMIS commands cause a synchronize to occur. This is to be able to fill out the Management Protocol In/Out entries in table 21.

9.2.6 Dave Peterson to propose synch and command type for the new commands in table 21.

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 (07-409r1) 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]

10.8 Add TapeAlert flags for encryption

10.9 Do we add additional progress indications? Refer to email dated June 11, 2008 from Mike Berhan.

10.10 Kevin Butt - Prepare a proposal against SSC-4 to clarify the HOLD bit and LOAD bit combinations in the Load/Unload command.

**10.11 SSC-3: LB Comment to Add AES Key Wrap as a Supported Key Format (08-155r0)
[Ball]**

11. Adjournment

Dave Peterson made a motion for adjournment at 4:50 PM MDT. Seconded by Paul Suhler.