

Minutes July 2008 SSC-3 (08-294r0)

Date: March 11, 2008

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

Location: Anchorage, AK

Agenda

1. Opening remarks and introductions

Dave Peterson thanked Emulex for hosting.

1.1 Patent Policy

Patent policy can be found at <http://www.t10.org/patpol.htm>

1.2 Antitrust

INCITS Antitrust Guidelines can be found at <http://www.incits.org/inatrust.htm>

Attendance

SSC-3 Working Group Attendance Report - July 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. Eric Hibbard	V	Hitachi Data Systems
Mr. Kevin Butt	P	IBM Corp.
Dr. Paul Suhler	P	Quantum Corp.
Mr. Roger Cummings	P	Symantec
Mr. Jorgen Walle-Jensen	V	Tandberg Storage

10 People Present

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

2. Approval of agenda (08-286r0) [Peterson]

Dave Peterson moved that the agenda be approved as revised. Paul Suhler seconded the motion. Passed unanimously.

3. Approval of meeting minutes (08-222r0) [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 Erich Oetting: Research and provide input regarding Letter Ballot comment EMC-001

Roger Cummings informed the group that Erich is no longer working for Sun. Change the owner to Dave Peterson.

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

Carry-Over. Email will be discussed during agenda item 6.1.1. See 6.1.3 for modification to this AI.

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

Will discuss in 6.1.1

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

Carry-Over

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

Carry-Over

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 Paul Suhler: Determine if we can change term “Archive Tape” to “WORM medium”. This comes from attempts to resolve HPQ-104

Yes, change Archive Tape to WORM medium.

Closed.

4.1.9 Working Group: Review Letter Ballot comment IBM-21

Carry-Over

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

Carry-Over

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

Carry-Over

5. Old business**5.1 General items****5.1.1 Vendor Feedback (05-351r1) [Group]****5.1.2 SSC-3: Letter Ballot Comment resolution (08-095r3) [Peterson]**

Dave took the group through more LB comments.

5.2 Security-related items**6. New Business****6.1 General items****6.1.1 Email from Mike Berhan related to providing progress indication.**

Dave stated he was nervous about opening this can of worms at this time. It was suggested that we address this in SSC-4. The group agreed and this was added to the list of items for SSC-4 at the end of the minutes.

6.1.2 Email dated June 24, 2008 from Kevin Butt related to HOLD bit and LOAD bit.

Kevin was requested to bring in a proposal for SSC-4.

6.1.3 SSC-3: LB Comment SYM-019 Suggested Response (08-279r0) [Cummings]

The proposal for response to SYM-019 item b was not accepted by the group. Roger will review and may return with another proposal.

SYM-019 item a.

Suggest shall if support one shall support the other (RAW & EXTERNAL)

There was a long discussion about how an application can determine if the LU has the capability to perform a RAW read. The encryption capabilities page will return this information. If no medium is loaded it will say it is able to if at least one supports it.

The response to SYM-019 item a:

You read the data encryption capabilities page, check the algorithms and check the RDMC_C field to determine if the drive supports RAW&EXTERNAL for at least one algorithm. Also the RDMC_C field definitions need to have the EXTERNAL capabilities added to the description

(i.e., if RAW is supported EXTERNAL shall be supported and vice-versa). Kevin Butt will create this proposal as his AI 4.1.2.

Define a bit (e.g., Byte 4 bit 4 of the Data encryption capabilities page) that indicates that “at least one algorithm supports RAW read and EXTERNAL write”. Kevin Butt to add this to his proposal.

6.1.4 SSC-3: LB Comment IBM-L2 discussion (08-266r0) [Butt]

Kevin presented the slide show to make sure everybody agreed to the intent of the lock bit. The group agreed that the slide show represented correctly the intent of the LOCK bit.

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]

7. Liason reports

8. Project Status

8.1 Next Meeting Requirements (Colorado Springs, CO)

Start at 11:00 after FCP-4

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

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

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

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9.1.7 Kevin Butt: Create a proposal to resolve Letter Ballot comment HPQ-70. Suggested to

get away from “buffer” wording.

9.1.8 Working Group: Review Letter Ballot comment IBM-21

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

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

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

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]

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.

11. Adjournment

Dave Peterson made a motion for adjournment at 2:50 PM PST. Seconded by Roger Cummings.