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Author: Lee Farrell
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<ftp://ftp.t10.org/t10/document.03/03-185r0.pdf>

Minutes of the SBP-3 Working Group meeting, May 7, 2003
Nashua, NH

Attendees:

Lee Farrell	Canon	LFarrell@CDA.Canon.com
Andy Green	Oxford Semiconductor	Andy.Green@OxSemi.com
Peter Johansson	Congruent Software	PJohansson@ACM.org
John Lohmeyer	LSI Logic	Lohmeyer@T10.org

Johansson presented the following agenda. In the minutes that follow, the start of discussion of items listed below is denoted by the index number listed within square brackets, such as [4.1]. Note that these references do not always appear in order, and may not signify the conclusion of discussion of a previous agenda item.

1. Introductions and procedures
 - 1.1 T10 Membership and voting
 - 1.2 Document naming conventions
 - 1.3 Two-week rule
 - 1.4 Meeting fees
 - 1.5 Approval of prior minutes (03-070r0, 03-135r0)
2. Call for patents
3. Informal liaison
 - 3.1 IEEE P1394.1 [Johansson]
 - 3.2 IEEE P1394.3 [Johansson]
 - 3.3 1394 TA PTP [Anderson]
4. Prior action items (4 denotes completed)
 - 4.1 Request Apple comment on 02-281r0 [Anderson]
 - 4.2 Request T10 letter ballot on SBP-3 Revision 3.0 [Johansson]
5. Review reflector traffic
6. Comment resolution
7. New business
8. Meeting schedule
9. Review of action items
10. Approval of Final Minutes
11. Adjournment

[1] Johansson called the meeting to order and updated the agenda, as reflected above.

[1.3] Johansson briefly reviewed the two-week rule, explaining that it did not prevent the discussion of documents posted less than two weeks before a meeting.

[1.1] [2] Johansson reviewed general T10 policies and procedures. In general, attendance and participation at T10 ad hoc meetings (such as this one) is open to both visitors and T10 members. When formal votes are taken, either in an ad hoc meeting or in the T10 plenary, one vote is permitted each organization, to be cast by its principal representative or designated alternative. A two-week rule is in effect: No matter may be voted on unless notice was given at least two weeks prior. Documents to be voted on must have been posted two weeks prior to the vote. The two-week rule can be waived if nobody objects. Announcements of new documents and meetings must be posted to the T10 email reflector; all other business can be conducted on the working group reflector.

The following paragraph about ANSI/T10 patent policy is copied from past T10 Plenary minutes:

A document is available from ANSI, "Procedures for the Development and Coordination of American National Standards", at no charge. This document is also on the web at http://www.ncits.org/help/ansi_sdo.html. Section 1.2.11 contains the ANSI patent policy. Amy Marasco manages patent issues for ANSI and can be contacted at amarasco@ansi.org or 212-642-4954. Gene Milligan prepared a useful "Handy dandy Technical Committee's Patents Guide", which is available at <ftp://ftp.t10.org/t10/document.99/99-291r0.pdf>.

[1.5] The prior minutes (03-070r0, 03-135r0) were both approved.

[3.1] Johansson reported that there has been no change in P1394.1 status since the last SBP-3 meeting.

[3.2] Johansson reported that P1394.3 has commenced its recirculation ballot. He said that he expects it to be approved sometime this summer.

[3.3] In the absence of Eric Anderson, there was no liaison report on the 1394 Trade Association Picture Transport Protocol (PTP) over SBP project.

[4.1] In the absence of Eric Anderson, this action item was carried over to the next meeting.

[4.2] Johansson reported that T10 letter ballot on SBP-3 Revision 3.0 was requested.

[5] Johansson led a brief review of SBP-3 reflector email traffic since March 12.

There was a discussion about the use of RBC. A few T10 members were curious about why an update was necessary—given their understanding that no one uses it. This assumption was later proven incorrect; RBC is used by SBP and USB mass storage.

[Reference: USB Mass Storage Class Specification Overview revision 1.1.]

Johansson noted that he has consulted with Ron Roberts to ensure that the RBC amendment is correct.

Johansson referenced his e-mail that was based on his interpretation that when an initiator establishes a bridge-aware login, the target returns a node handle in the login response data. This node handle is to be used in all subsequent management and command block ORBs signaled to the target in the context of the login.

He had asked the question, "What should the login_response field in a login request contain if the update bit is one?" He proposed that login_response (and the other address pointer fields in a login request) contained node IDs ONLY if the update bit is zero."

No one responded on the reflector.

Johansson proposed some text modifications that were reviewed by Green and approved.

There was a discussion about a rare error condition that causes an SBP 1394 disk to hang. Windows XP was mentioned as one OS that suffers from the condition, but it might not be limited to XP. There was much speculation of the cause of the problem—but since a 1394 bus analyzer was not available to the individual who reported the problem, no real progress was made in identifying the difficulty.

It was speculated that the likely source of the problem is that a bridge isn't splitting commands properly.

The attendees noted that Pat LaVarre had several comments about bit alignment philosophy preferences of SCSI over Firewire.

[6] Johansson led a review of the ballot comment resolutions.

It was noted that both Rob Elliott and Paul Aloisi have indicated their satisfaction with the comment resolutions.

The attendees reviewed and approved each of the comment resolutions and the proposed modifications to the specification as written.

Proposed changes to Logical Unit reset and Target reset were reviewed and accepted for inclusion into the draft.

At the conclusion of the review, the Working Group unanimously requested the Editor to prepare SBP-3 Revision 3b and to recommend to the T10 Plenary that it and 03-166-r1 be accepted as letter ballot comment resolution.

[7] No New Business.

[8] Unless comments are received during public review, there are no additional meetings anticipated.

[9] Johansson briefly reviewed the newly assigned action items.

Recommend comment resolution to T10 and forward SBP-3 to INCITS for public review. [Johansson]

[10] The Minutes of today's [final] meeting were approved.

[11] Meeting adjourned.

General information and document index

The SBP-3 email reflector SBP3@isg.apple.com can be accessed as follows:

Subscribing:

email requests@isg.apple.com w/subject "subscribe sbp3"

Help?:

email requests@isg.apple.com w/subject "help"

An automated system had been created for the allocation of T10 document numbers, and the subsequent submission of documents for posting:

<http://www.t10.org/members/ad.htm>

The following documents have been posted pertaining to SBP-3:

- 00-328 Eric Anderson
Fast Start proposal (PowerPoint slides)
<ftp://ftp.t10.org/t10/document.00/00-328r0.pdf>
- 00-371 Peter Johansson
Minutes of SBP-3 Study Group September 19, 2000
<ftp://ftp.t10.org/t10/document.00/00-371r0.pdf>
- 00-388 Peter Johansson
SBP-3 Project Proposal
<ftp://ftp.t10.org/t10/document.00/00-388r0.pdf>
- 01-057 Eric Anderson
Fast Start Proposal
<ftp://ftp.t10.org/t10/document.01/01-057r0.pdf>
- 01-060 Eric Anderson
Minutes of SBP-3 Working Group January 24-25, 2001
<ftp://ftp.t10.org/t10/document.01/01-060r0.pdf>
- 01-067 Lance Flake
RBC Access For AV/C Data Interchange
<ftp://ftp.t10.org/t10/document.01/01-067r0.pdf>
<ftp://ftp.t10.org/t10/document.01/01-067r1.pdf>
- 01-069 Steve Powers
Surprise Removal of 1394 Storage Devices
<ftp://ftp.t10.org/t10/document.01/01-069r0.pdf>
- 01-070 Peter Johansson
Bridge-aware targets and node handles
<ftp://ftp.t10.org/t10/document.01/01-070r0.pdf>
- 01-101 Eric Anderson
Minutes of SBP-3 Working Group March 6-7, 2001
<ftp://ftp.t10.org/t10/document.01/01-101r0.pdf>
- 01-102 Scott Smyers
Proposal for modifications to SBP3 and RBC
<ftp://ftp.t10.org/t10/document.01/01-102r0.pdf>

- 01-103 Firooz Farhoomand
Using SBP-3 for DVD playback
<ftp://ftp.t10.org/t10/document.01/01-103r0.pdf>
- 01-137 Peter Johansson
Stream command block ORB
<ftp://ftp.t10.org/t10/document.01/01-137r0.pdf>
- 01-138 Peter Johansson
Bi-directional ORBs (PowerPoint slides)
<ftp://ftp.t10.org/t10/document.01/01-138r0.pdf>
- 01-139 Eric Anderson
Minutes of SBP-3 Working Group April 26-27, 2001
<ftp://ftp.t10.org/t10/document.01/01-139r0.pdf>
- 01-179 Andy Green
Proposal to modify isochronous recording format
<ftp://ftp.t10.org/t10/document.01/01-179r0.pdf>
- 01-180 Peter Johansson
RBC-2 commands for extent management
<ftp://ftp.t10.org/t10/document.01/01-180r1.pdf>
- 01-187 Eric Anderson
Minutes of SBP-3 Working Group June 5-6, 2001
<ftp://ftp.t10.org/t10/document.01/01-187r0.pdf>
- 01-200 Peter Johansson
Distributed Buffers
<ftp://ftp.t10.org/t10/document.01/01-200r0.pdf>
- 01-222 Peter Johansson
Simplified Isochronous
<ftp://ftp.t10.org/t10/document.01/01-222r0.pdf>
- 01-223 Eric Anderson
Minutes of SBP-3 Working Group July 17-18, 2001
<ftp://ftp.t10.org/t10/document.01/01-223r0.pdf>

- 01-248 Peter Johansson
MP-friendly Fast-Start
<ftp://ftp.t10.org/t10/document.01/01-248r1.pdf>

- 01-265 Eric Anderson
Minutes of SBP-3 Working Group August 22-23, 2001
<ftp://ftp.t10.org/t10/document.01/01-265r0.pdf>

- 01-287 Peter Johansson
Bare-bones Isochronous
<ftp://ftp.t10.org/t10/document.01/01-287r1.pdf>

- 01-304 John Fuller
SBP3 Changes
<ftp://ftp.t10.org/t10/document.01/01-304r0.pdf>

- 01-318 Rob Elliott
Elimination of SCSI-2 from SAM-2 SPC-3
<ftp://ftp.t10.org/t10/document.01/01-318r0.pdf>

- 01-330 Peter Johansson
Minutes of SBP-3 Working Group October 3-4, 2001
<ftp://ftp.t10.org/t10/document.01/01-330r0.pdf>

- 01-331 Eric Anderson
Minutes of SBP-3 Working Group November 6-7, 2001
<ftp://ftp.t10.org/t10/document.01/01-331r0.pdf>

- 01-332 Scott Smyers
Isochronous SBP-3
<ftp://ftp.t10.org/t10/document.01/01-332r0.pdf>

- 02-069 Peter Johansson
Bridge-aware SBP-3 target operations
<ftp://ftp.t10.org/t10/document.02/02-069r2.pdf>

- 02-075 Peter Johansson
EUI-48 software interface ID VPD page
<ftp://ftp.t10.org/t10/document.02/02-075r1.pdf>

- 02-206 Eric Anderson
Minutes of SBP-3 Working Group January 21-22, 2002
<ftp://ftp.t10.org/t10/document.02/02-206r0.pdf>

- 02-207 Eric Anderson
Minutes of SBP-3 Working Group March 12-13, 2002
<ftp://ftp.t10.org/t10/document.02/02-207r0.pdf>
- 02-208 Eric Anderson
Minutes of SBP-3 Working Group May 29-30, 2002
<ftp://ftp.t10.org/t10/document.02/02-208r0.pdf>
- 02-281 Peter Johansson
Prototype AVD Commands
<ftp://ftp.t10.org/t10/document.02/02-281r1.pdf>
- 02-282 Eric Anderson
Minutes of SBP-3 Working Group July 16-17, 2002
<ftp://ftp.t10.org/t10/document.02/02-282r0.pdf>
- 02-480 Eric Anderson
Minutes of SBP-3 Working Group November 5-6, 2002
<ftp://ftp.t10.org/t10/document.02/02-480r0.pdf>
- 03-009 Peter Johansson
Configuration ROM iPCR/oPCR proposal
<ftp://ftp.t10.org/t10/document.03/03-009r1.pdf>
- 03-070 Eric Anderson
Minutes of SBP-3 Working Group January 21-22, 2003
<ftp://ftp.t10.org/t10/document.03/03-070r0.pdf>
- 03-090 Peter Johansson
SBP-3 isochronous operations
<ftp://ftp.t10.org/t10/document.03/03-090r1.pdf>
- 03-135 Lee Farrell
Minutes of SBP-3 Working Group March 11, 2003
<ftp://ftp.t10.org/t10/document.03/03-135r0.pdf>
- 03-144 John Lohmeyer
Letter Ballot on forwarding SBP-3 to first public review
<ftp://ftp.t10.org/t10/document.03/03-144r0.pdf>
- 03-145 John Lohmeyer
Results of letter ballot on forwarding SBP-3 to first public review
<ftp://ftp.t10.org/t10/document.03/03-145r1.pdf>

03-166 Peter Johansson
SBP-3 Revision 3.0 Ballot Response Actions Table (BRAT)
<ftp://ftp.t10.org/t10/document.03/03-166r1.pdf>

03-185 Lee Farrell
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<ftp://ftp.t10.org/t10/document.03/03-185r0.pdf>

Latest draft SBP-3 document:

<ftp://ftp.t10.org/t10/drafts/sbp3/sbp3r03b.pdf>

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