

To: T10 Membership
From: Erich Oetting
Re: Minutes of SMC-2 Working Group meeting, July 7, 2003.

1. Introduction

An SMC-2 working group meeting was held on in Colorado Springs, Colorado. Erich Oetting, the SMC-2 Technical Editor, called the meeting to order at 1:05 p.m., Monday July 7, 2003. He thanked LSI Logic and John Lohmeyer for hosting the meeting.

A copy of the attendance list was circulated.

2. Attendance and Membership

Attendance at working group meetings does not count toward minimum attendance requirements for T10 membership. Working group meetings are open to any person or organization directly and materially affected by T10's scope of work.

The following people attended the meeting:

Name	Organization	Email
Rod Wideman	ADIC	rod_wideman@adic.com
Michael Banther	HP	michael_banther@hp.com
Christopher Williams	HP	Christopher.W@hp.com
Kevin Butt	IBM	kdbutt@us.ibm.com
Lee Jesionowski	IBM	ljesion@us.ibm.com
Paul Entzel	Quantum	paul_entzel@quantum.com
Susan Gray	Quantum	susan.gray@quantum.com
Erich Oetting	Storage Technology	erich_oetting@storagetek.com
Reif Heck	Storage Technology	heckrj1@storagetek.com
Paul Suhler	Seagate Technology	paul.a.suhler@seagate.com

3. Agenda

The entire meeting was devoted to SMC-2 letter ballot comment resolution. (03-052r3 & 03-211r0).

4. Results of meeting

Consensus was reached on the response to the following comments:

HP #45 - The term "Primary Device" will be replaced by "Data Transfer Device". This matches what was done in ADI and will avoid some confusion.

HP #70 - Comment rejected.

HP #147 - Suggested changes accepted with minor modifications.

Q #12 - Instead of adding complexity to this table, the group decided to obsolete the RESERVE ELEMENT and RELEASE ELEMENT commands. Michael Banther confirmed that HP has no objection to making the element reservation function obsolete. The RESERVE and RELEASE will replace these commands in the table with a reference to SPC-2. Text detailing operation of RESERVE ELEMENT and RELEASE ELEMENT will be deleted.

Q #25 - Added a requirement that descriptors be returned in element address order for each element type. It was decided not to add ordering requirements for element type codes.

Q #47 - Specified that ILLEGAL REQUEST, INVALID FIELD IN PARAMETER LIST shall be returned in this case.

Q #48 - If the element is empty, Write Attribute and Read Attribute shall return ILLEGAL REQUEST, SOURCE ELEMENT EMPTY. If Read and Write Attribute are not supported for this element, the response shall be ILLEGAL REQUEST, INVALID FIELD IN CDB. Other error conditions return MEDIA ERROR as specified in SPC-3.

The group also decided to obsolete the element type field in Read and Write Attribute commands. Since element address is specified in the command, this field serves no purpose.

Seagate #08 - The offending paragraph had been removed. The group decided to add it back and replace the "shall" with "may".

STK #20, #21 - Obsoleting RESERVE ELEMENT and RELEASE ELEMENT commands fixed this problem.

Q #53 - An extensive discussion was held on this comment and the proposed response detailed in document 03-211r0 prepared by Paul Entzel.

It was decided that the MAMS bit in element descriptors does not provide enough information and should be removed. The group favored replacing it with a two byte field providing more information about how quickly a READ ATTRIBUTE command to this element could be handled. For example, does the media transport element need to be positioned to this element, or does the media need to be moved to handle READ ATTRIBUTE?

The group favored making the cleaning bit a two or three byte field representing media function. (i.e., 0 - unknown, 1 - Data, 2 - Cleaning, other values reserved for things like firmware update).

The other element descriptor flags proposed by 03-211r0 were generally supported.

The proposed changes to the Device Capabilities mode page were also

discussed. It was decided that any changes to this page should not preclude adding one or two additional element types. Since the page was designed to support 8 element types, there should be room for a few additional flags.

5. Action Items

Erich Oetting will post the comments resolution document distributed at the meeting (03-052r3).

Erich Oetting will create and post a new working draft (SMC-2r5) and revised comments resolution document (03-052r4).

Paul Entzel will revise document 03-211 so it can be discussed via the T10 reflector before the next working group meeting.

6. Future meetings

The next working group meeting will be held during the week of September 8, in Seattle, Washington. Exact time and place will be determined by the T10 plenary.

7. Adjournment

The meeting was adjourned at 4:55 pm on Monday, July 7, 2003.