

Minutes of SSC/SMC Working Group mtg.
Colorado Springs, CO.

X3T10/95-284 r0

Accredited Standards Committee
X3, Information Technology

To: Membership of X3T10

From: Erich Oetting

Subject: Minutes of SSC/SMC Working Group Meeting
Colorado Springs, CO. July 13, 1995

Agenda

1. Opening Remarks
2. Approval of Agenda
3. Attendance and Membership
4. SSC Topics
 - 4.1 - Existing Density codes.
 - 4.2 - Density Support command (X3T10/95-224r4)
 - 4.3 - Initiator controlled write protect. (X3T10/95-134r0)
 - 4.4 - Flushing the write buffer.
 - 4.5 - Log Sense Data.
 - 4.6 - Locate to an invalid block.
 - 4.7 - Compression identifiers in SSC Table 30.
 - 4.8 - Medium Type Field in Mode Sense Header.
 - 4.9 - Are setmarks and filemarks counted as blocks?
 - 4.10 - Tape Capacity page.
 - 4.11 - Device Capabilities page.
5. SMC Topics.
 - 5.1 - Attached Medium Changer.
 - 5.2 - SMC document status.
6. Other Topics
7. Meeting Schedule
8. Adjournment

Results of Meeting

1. Opening Remarks

Ted Lappin, the SSC Technical Editor, called the meeting to order at 9:25 a.m., Thursday, July 13, 1995. He thanked John Loymeyer of Symbios Logic for arranging and hosting the meeting.

As is customary, the people attending introduced themselves and a copy of the attendance list was circulated.

The draft agenda was approved.

3. Attendance and Membership

Attendance at working group meetings does not count toward minimum attendance requirements for X3T10 membership. Working group meetings are open to any person or organization directly and materially affected by X3T10's scope of work.

The following people attended the meeting:

Name	S	Organization	Email Address
Mr. Erich Oetting	P	Storage Technology	erich_oetting@stortek.com
Mr. Alan Olson		3M	arolson@mmm.com
Mr. Al Pease		Buslogic	alp@buslogic.com
Mr. Roger Cummings	A	Storage Technology	roger_cummings@stortek.com
Mr. Arlan Stone		Unisys	arlan.stone@mv.unisys.com
Mr. Paul Entzel		Conner	paul.entzel@conner.com
Mr. Edward Lappin	P	Exabyte Corp.	tedl@exabyte.com
Mr. Ralph Weber		ENDL Associates	roweber@acm.org
Mr. Lansing Sloan		LLNL	ljsloan@llnl.gov
Mr. Peter Gossler	P	NSM Jukebox GmbH	73503,3467@compuserve.com

10 People Present

Status Key: P - Principal
A,A# - Alternate
O - Observer
L - Liaison
V - Visitor

4. SSC Topics

4.1 - Existing Density codes.

Roger Cummings passed out a list of know tape format standards from X3B5 for the group to review. This list will be included in the next mailing after a suitable disclaimer is added.

Paul Entzel brought a list of corrections to the QIC density codes in table 26. This will also be included in the mailing.

4.2 - Density Support command (X3T10/95-224r4)

Ted went over his Report Density Support command proposal. He wants to make this command mandatory for SCSI-3 tape devices, and move the current density code table to an historical annex. Ralph suggested several minor wording changes to clarify the document and comply with SAM terminology. Ted and Ralph will continue this work later.

It was decided that tape capacity should return the capacity of the currently mounted tape if the Media bit is set in the command, and the maximum tape capacity if the Media bit is clear.

4.3 - Initiator controlled write protect. (X3T10/95-134r0)

Alan Stone had a couple of questions about the soft write protect proposal.

4.4 - Flushing the write buffer.

Alan Stone pointed out that some commands do not specify that all write data in the buffer must be written to tape before proceeding with the command. Ted will look over the SSC commands for other places where this should be required.

4.5 - Log Sense Data.

Possible additions to Log Sense data for tape devices were discussed. Alan will write up a proposal for reporting tape cleaning and compression ratio information.

4.6 - Locate to an invalid block.

How to handle a locate to a block that does not exist was discussed. A locate to just past the last block on tape should return good status. A locate for a position past EOD that stops at EOD should return BLANK CHECK, EOD DETECTED set the valid bit and information bytes. If the locate gets lost, it should return MEDIUM ERROR and an appropriate ASC/ASCQ.

4.7 - Compression identifiers in SSC Table 30.

Paul asked about including additional compression codes. He will submit a formal proposal later.

4.8 - Medium Type Field in Mode Sense Header.

This field will be made vendor unique instead of reserved to allow for current QIC practice.

4.9 - Are setmarks and filemarks counted as blocks?

It was decided that Locate and Read Position should count setmarks and filemarks as blocks. This should be made explicit in the model in SMC.

4.10 - Tape Capacity page.

How to report remaining tape capacity was discussed, but no action was taken.

4.11 - Device Capabilities page.

Pauls proposal for a Device Capabilities page was discussed. This will be worked on in future meetings.

5. SMC Topics.

5.1 - Attached Medium Changer.

The ATAPI and MMC folks have some concerns about the Attached Medium Changer, including a possible opcode conflict. They would also like to change the name of the attached model to the Embedded model.

5.2 - SMC document status.

Revision 4 of SMC was available at the meeting, and will be in the next mailing.

6. Other Topics

No other topics were discussed.

7. Meeting Schedule

The next meeting of the SSC/SMC Working Group will in Manchester hosted by DEC. Actual meeting time will be determined by the X3T10 Plenary.

8. Adjournment

The meeting was adjourned at 11:55 a.m. on Thursday May 11, 1995.