Draft Minutes
T10 SSC-2 Working Group Meeting
March 5, 2001 – Dallas, Texas
9:10 AM – 10:30 AM
T10/01-082r1

An ad hoc meeting of the SSC-2 working group of NCITS Technical Committee T10 was held at the Crown Plaza Suites Hotel, Dallas, Texas on March 5, 2001, in conjunction with the plenary meeting of the ANSI/NCITS T10 Technical Committee. Attendance at this meeting is tabulated at the end of this document.

1.   Opening remarks and introductions: Dave Peterson

Facilitator Dave Peterson opened the meeting at 9:10. He led a round of introductions. He announced that Rob Basham (IBM) will be moving and will probably not be participating in SSC-2 in the future.

Paul Suhler volunteered to be acting secretary for this meeting.

2.   Approval of this agenda: 01-081r0 Dave Peterson

Agenda accepted with no changes.

3.   Approval of minutes

3.1   SSC-2 Minutes – 15 January 2001   01-036r0 Dave Peterson

Date corrected from 2000 to 2001.

4.   Review of Old Action Items: Paul Suhler

4.1   Dave Peterson: Prepare new document 01-022r1, space and locate commands in the explicit address model. Completed.

4.2   Dave Peterson: Prepare new document 01-023r1, explicit address state model. Completed.

5.   Discussion items: Dave Peterson

5.1   Switch between explicit/implicit address models, T10/01-021r0, Dave Peterson

The Device Configuration mode page will have the BAM bit plus a BAML (BAM Lock) bit. BAML == 0 $\Rightarrow$ use of implicit block address model. More explanatory text is needed.

No default value will be specified.

5.2 SPACE /LOCATE in explicit address model, T10/01-022r1, Dave Peterson

At the completion of a LOCATE(16) with DEST_TYPE of 01b, logical position shall be on the end-of-partition side of the filemark, regardless of direction.

The group approved the re-alignment of 8-byte fields to 4-byte boundary throughout SSC-2, in violation of prototypes in SPC-2.

The terminology "logical element address" will be retained.

Paul Entzel questioned the variety of sizes of PARTITION NUMBER fields. Dave will change them throughout SSC-2r2 to be one-byte.

5.3 Explicit address model state diagram, T10/01-023r1, Dave Peterson

The last line of the first paragraph of Clause 2 was deemed confusing unless read in context with the last paragraph of 2.1.

There was a discussion of Table 1:

- MODE SELECT and SEND DIAGNOSTIC specification of READ OR WRITE type requires clarification.
- VERIFY(16) should be READ type.

There was a discussion, mostly between Paul Entzel and Bob Snively, of the relationship among queuing, buffered mode, and the number of available tags. With queuing, status should not be returned to the host until the data is on tape. Non-buffered operation transfers some responsibility for bufferring to the initiator. Are queuing and buffering actually orthogonal? This discussion will be continued at the next meeting.

Dave presented the state diagram for the address model. He will add more explanatory text.

Ralph Weber had provided to Dave ASC/ASCQs for rejecting write type operation while in read state and vice-versa.

5.4 Proposed change to Table 9 in SSC-2, T10/01-083r0, Paul Entzel

Paul has a customer request to allow commands that don't write the medium be allowed from initiators that hold reservations with a type of Write Exclusive or Write Exclusive — Registrants Only. This was accepted with the provision that the device should be reserved with a type of Write Exclusive before executing other commands.

Paul proposed similar changes for SMC commands in the second table of the document. Dave Peterson will discuss these with Erich Oetting.

6. Unscheduled New Business: Dave Peterson

None

7. Next meeting requirements: Dave Peterson

No time will be requested at the T11 plenary in April 2001.

Four hours will be requested in the T10 plenary in May 2001 (Manchester, NH).

8.　Review of new action items:　Paul Suhler

8.1　Dave Peterson to add text to SSC-2r2 to specify that LOCATE(16) with DEST_TYPE of 01b leaves the logical position on the EOP side of the filemark, regardless of direction.

8.2　Dave Peterson to change partition number fields to one-byte throughout SSC-2 and try to allow for future expansion.

8.3　Dave Peterson to bring change state diagram in SSC-2 and add explanatory text.　This will be extracted and submitted to the T10 web site as a separate document.

8.4　Paul Entzel to do 01-083r1 with additional explanatory text defining under which operations and reservations data integrity is not ensured.

8.5　Dave Peterson to discuss the medium changer commands in the second table of 01-083r0 with Erich Oetting to determine whether it is correct and in which standard this will be documented.

9.　Adjournment:　Group

The meeting was adjourned at 10:30 AM.

T10 SSC-2 Working Group Meeting Attendance – 5 March 2001

Company Represented	Last Name	First Name	Email
Adaptec	Moore	Dennis	dmoore@ix.netcom.com
Brocade Communications	Snively	Bob	rsnively@brocade.com
Cisco Systems	Peterson	David	dap@cisco.com
Crossroads Systems	Wanamaker	Neil	ntw@crossroads.com
Crossroads Systems	Tyndall	John	jtyndall@crossroadscom
Emulex	Nixon	Bob	bob.nixon@emulex.com
ENDL	Weber	Ralph	roweber@acm.org
Nishan	Monia	Charles	cmonia@nishansystems.com
Quantum	Entzel	Paul	paul.entzel@quantum.com
Seagate	Coomes	James	jim_coomes@seagate.com
Seagate	Suhler	Paul	paul_a_suhler@seagate.com
Sun Microsystems	Moe	Kenneth	kenneth.moe@sun.com
Unisys	Matthews	Ron	ronald.matthews@unisys.com