

Draft Minutes
T10 SSC-2 Working Group Meeting
30 April 2001 – Nashua, New Hampshire
9:15 AM – 11:30 AM

A joint ad hoc meeting of the SSC-2 working group of NCITS Technical Committee T10 was held at the Sheraton Nashua Hotel, Nashua, NH on 30 April 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 9:15. He led a round of introductions. Paul Suhler volunteered to be regular secretary for the working group.

2. Approval of this agenda: 01-140r0 Dave Peterson

The agenda was accepted with additions.

3. Approval of previous minutes: 01-082r1 Dave Peterson

The minutes were approved with no changes.

4. Review of Old Action Items: Paul Suhler

4.1 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.

Closed: Added to revision 3.

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

For discussion in this meeting.

4.3 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.

For discussion in this meeting.

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

Carryover.

4.5 Dave Peterson to discuss the medium changer commands in the second table of 01-083r0 with Erich Oetting and incorporate table in SSC-2.

Carryover.

5. Discussion items: Dave Peterson

5.1 Media serial number VPD page (84h) proposal, T10/01-027r1 (to be posted), Emly Hill

Emily was requested by the CAP WG to have this proposal reviewed by the SSC-2 WG. Microsoft wants a vendor unique medium identifier that does not change during the lifetime of the medium.

Rob: Need a minimum size for the field, or it may prove to be useless.

There was a discussion of whether it is dangerous for Inquiry data to change when the medium is changed.

Further discussion will occur later this week in the CAP WG.

5.2 Proposed change to Table 9 in SSC-2, T10/083r1, Paul Entzel

Carry forward to next meeting.

6. Review of SSC-3, rev 03: Dave Peterson

6.1 State change diagram, T10/01-146r0, Dave Peterson

Rob: With respect to the model, MODE SELECTs fall into several classes: no read or write action, read action, write action, both read & write actions. We should consider obsoleting the behavior that leads to this ugliness. All members should investigate this and discuss it at the next meeting.

Paul E: There is no protection against the loss of a queued MODE SELECT. Should they be isallowed?

Dave will add error condition transitions to IDLE state

Dave will investigate initial state choice for reset/power on with BAM setting.

Do not allow MODE SELECTs to change the addressing model unless at BOT or BOP (BOx).

Rob: Questioned whether we should allow changes between models when at BOT. No one liked this idea, so the only changes allowed between models will be those explicitly stated in the standard.

Rob: Veritas is queuing implicit commands under shared storage option, NetBackup. This turned out to be the doing of the HBA drivers. Dave will talk to Veritas about whether this behavior can be changed, as SSC-2 currently requires that implicit model commands be used untagged.

6.2 Clause 5.2.11: Block address model selection

Write all data, filemarks, and setmarks before changing model: No comments had appeared on the reflector and there was no argument in this meeting, so this will remain.

ASC/ASCQs: No arguments, so these are deemed acceptable.

6.3 Clause 5.5.3.2: BAM and BAML bit definitions

No argument, so these are deemed acceptable.

6.4 Clause 5.4.14: SPACE (16)

No argument, so these are deemed acceptable.

6.5 Partition Number field size, Dave Peterson

One byte is sufficient, but there should be three adjacent reserved bytes in case of future changes.

7. Unscheduled New Business: Dave Peterson

7.1 Paul Entzel, READ and WRITE ATTRIBUTE commands for SPC-3, T10/99-148r7

Dave will review the last revision of document for its impact on SSC-2.

7.2 SNIA is promoting an IP Tape working group.

Dave will attend and report to the SSC-2 WG.

8. Next meeting requirements: Dave Peterson

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

Three hours will be requested in the T10 plenary in July 2001, preferably for an early-afternoon meeting.

9. Review of new action items: Paul Suhler

9.1 All: Investigate the impact of obsoleting the use of MODE SELECT for changing partition.
Dave will send a reminder on the T10 reflector.

9.2 Dave Peterson: Add error conditions to Idle state in SSC-2 rev. 4

9.3 Dave Peterson: Contact Veritas about eliminating queuing of Implicit model commands in Shared Storage Option of NetBackup.

9.4 Dave Peterson: Add state diagram as modified into SSC-2 rev. 4.

9.5 Dave Peterson to discuss the medium changer commands in the second table of 01-083r0 with Erich Oetting and incorporate table in SMC-2.

9.6 Dave Peterson to review 99-148 for impact on SSC-2.

9.7 Paul Entzel to do 01-083r1 with additional explanatory text defining under which operations and reservations data integrity is not ensured, or convince customer that no change is required.

10. Adjournment: Group

The meeting was adjourned at 11:35 AM.

T10 SSC-2 Working Group Meeting Attendance – 30 April 2001

Company Represented	Last Name	First Name	Email
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