Draft Minutes
SSC-2 Working Group
Ad Hoc Meeting
September 9, 2002 – Minneapolis, MN
T10/02-334r0
9:13 AM – 5:35 PM

1. Introductions: Group

2. Approval of the agenda: T10/02-333r0   Dave Peterson

3. Approval of minutes: Dave Peterson

   a. 07/15/2002 working group minutes   T10/02-236r0

       Approved without changes

   b. 08/29/2002 phone conference minutes   T10/02-317r0

       Approved without changes

4. Review of old action items: Paul Suhler
   a. Dave Peterson to evaluate impact of RSMK=0 in the Device Configuration mode page and to
       post e-mail to reflector requesting impact of RSMK. *Closed.*
   b. Everyone to determine their products' behavior for both settings of the SEW bit in the device
       configuration mode page. *Closed.*
   c. Dave Peterson will investigate A0:A0 transition for BOx=FALSE and Implicit command
       enabled. *On today's agenda.*
   d. Working group will clarify medium partition page. *On today's agenda.*
   e. Dave Peterson to post summary of changes to TapeAlert. *SSC2r08d. Closed.*
   f. All to determine how their drives report residuals for WRITE FILEMARKS for various
       combinations of fixed and variable block sizes. *On today's agenda.*
   g. Dave Peterson to post a reflector message asking who implements the various write
       protection modes. *Closed.*

5. Discussion items:

   a. Impact of RSMK=0   All

       AIT implements setmarks, so Super AIT might have a problem with obsoleting them.

       Decision: require RSMK=1 except for implicit mode; implicitly change RSMK on entry and
       set a unit attention.

       Are there any devices which for BT=0 report block identifiers that are not monotonically
       increasing? Tentatively change clause 4.2.9. to require monotonically increasing identifiers.

       Resolved RMSK-dependent comments. Affected commands: WRITE FILEMARKS(16)
       and SPACE(6).

       Dave may add state diagrams for implicit mode-only devices and explicit mode-only devices.

b.　Early warning behavior　　　　　　　　　　　　　　　　All

SEW=1 means that status is returned after synchronizing.

This is done whenever at or past early warning.

"Shall retain" becomes "may retain."

Affected commands: WRITE(6), WRITE(16), and WRITE FILEMARKS(16).

c.　Write Protection Modes　　　　　　　　　　　　　　　　All

Setting ASOCWP shall cause a flush.

PRMWP and PERSWP are recorded in a vendor specific manner and the write protection only affects user data.

Completed various items in command tables, including removing references to MOVE MEDIUM and READ ELEMENT STATUS, which are only needed in SMC-2.

d.　Summary of changes to TapeAlert　　　　　　　　　　Dave Peterson

Delete clause 4.2.17.2, TapeAlert informational exceptions control mode page, as it is redundant with the description of the page in the Parameters clause.

Prohibited LOG SELECT to the TapeAlert page.

Remove the requirement to report media changer flags if media changer is on a different LUN at the same device ID. This does not mean that it cannot be done.

Leave "shalls" in text describing explicit address mode tagged write sequences.

TapeAlert flags minimum subset: reworded to make this normative.

e.　Proposed changes to Tape Alert　　　　　　　　　　　Paul Entzel

Loader flags 28H – 31h will be moved to SMC-2.

New flags 38h, 39h, and 3Ah will be added to SSC-2.

Modify descriptions of flags 0Dh, 0Eh, and 24h in SSC-2.

f.　State transition tables

On Logical Unit Reset, should the state always change to A0? No change to standard at this time.

Dave will add text to describe errors that do not cause a state transition.

Dave will incorporate Figure 15's note into the text.

g.　A0:A0 transition for BOx=FALSE, etc.　　　　　　　Dave Peterson

On A0:F0 BAML=0 Implicit Command Enabled transition, remove the condition of BOx=TRUE.

h.　Medium partition page　　　　　　　　　　　　　　　All

Further input required.

i.　Residual Reporting for WRITE FILEMARKS　　　　　All

Further input required.

    j.   General comment resolution

       Significant cleanup of the rules for reporting density codes.

       Medium partition page still needs more study (Quantum 103 and 104).

       We are on track to have comment resolution finished at the November 2002 Plenary.

6. Unscheduled business: Dave Peterson
    a.   IBM request for a new letter ballot
       Consensus is not to do a second letter ballot.

7. Next meeting requirements: Dave Peterson
       Eight hours

8. Review new action items: Paul Suhler
    a.   Dave Peterson to post a reflector message asking whether any applications report non-monotonically increasing block identifiers when BT=0.
    b.   Paul Entzel will generate a proposal to put TapeAlert flags 28h – 31h in SMC-2 and to modify SSC-2 to refer to SMC-2.
    c.   Paul Entzel will generate a proposal containing the new flags and the changes to flags 24h, 0Dh, and 0Eh.
    d.   All will review text associated with state transition tables.
    e.   Everyone who has not yet should send Dave Peterson e-mail describing their implementations of the medium partition page.
    f.   Everyone who has not yet should send Dave Peterson e-mail describing their residual reporting for WRITE FILEMARKS.

9. Adjournment: Group
       Adjourned at 5:35 PM.

Attendees:

Company Represented	Last Name	First Name	Email
Cisco Systems	Peterson	David	dap@cisco.com
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