

Date: Dec 16, 1994

X3T10/95-107 rev 0

To: X3T10 Committee (SCSI)

From: George Penokie (IBM)

Subject: SAM Public Review Comment

The following public review comments on the SCSI-3 Architecture Model Standard (X3T10/994D):

1- Annex A should be removed as it is redundant to the information contained within the body of the standard. If it remains it may cause confusion.

2-Page 10 - There are four cases of standards not having their X3T10 number. This should be corrected as all those standards have been assigned numbers.

3-Page 22 ; clause 4.7 - The first equation either has one too many or one too few ']'s. The equation currently reads:

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[Result=] Procedure Name([input-1][, input-2]... ]|[output][, output-2]...)
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4-Page 41 ; Figure 18 - The right side of the figure has been cut off.

5-Page 41 ; Figure 18 - The dotted lines are difficult to see as being dotted lines.

6-Page 47 ; clause 6.1.2 ; ACA Active paragraph number c - The sentence 'and the ACA bit was set to one' should read 'and the NACA bit was set to one'.

7-Page 54 ; clause 6.6.1.1 ; third paragraph after notes - The sentence 'If the ACA bit was set to zero' should read 'If the NACA bit was set to zero'.

8-Page 55 ; clause 6.6.1.2 ; third paragraph ; This paragraph should read:

If the NACA bit is set to zero in the CDB control byte of the faulting command, then the SCSI-2 rules for clearing contingent allegiance shall apply. In this case, the logical unit shall also clear the associated contingent allegiance condition upon the return of sense data by means of the autosense mechanism described in clause 6.6.4.2.

9-Page 66 ; clause 8 ; third paragraph ; The second sentence 'status of BUSY, RESERVATION CONFLICT, TASK SET FULL ACA ACTIVE or CHECK CONDITION' should be 'status of BUSY, RESERVATION CONFLICT, TASK SET FULL, ACA ACTIVE or CHECK CONDITION'.

10-Page 67 ; clause 8.2.1 ; paragraph number d - The control mode page in that sentence should have a cross reference to SPC.

11-Here is wording which Charles proposed for the status priority specification. As you recall, Charles proposed this in September and it was favorably received but it was decided to put this on the list of things for inclusion in SAM-2. We decided that the proper thing to do was to make a public review comment on SAM-1 to ensure it was included in SAM-2 or SAM-1 revised.

Here is the comment:

The second to last paragraph of section 6.6.5 (revision 16) should be removed since it leads to unnecessary reset operations.

"If an initiator issues a command other than INQUIRY or REQUEST SENSE while a unit attention condition exists for that initiator (prior to generating the auto contingent allegiance condition for the unit attention condition), the logical unit shall not perform the command and shall report CHECK CONDITION status unless a higher priority status as defined by the logical unit is also pending (e. g. BUSY, or RESERVATION CONFLICT)."

As discussed at the September 1994 workgroup, the following text should be included in section 6.2, "Status" as a replacement:

"If more than one condition applies to a completed task, the report of a BUSY, RESERVATION CONFLICT, ACA ACTIVE, or TASK SET FULL status shall take precedence over the return of any other status for that task."