Minutes for CAM working group 07/18/94  
Accredited Standards Committee  
X3, Information Processing Systems

To: Membership of X3T10  
From: William Dallas 
Subject: Minutes of CAM Working Group Meeting 
July 18, 1994

Agenda

1. Opening Remarks  
   2. Attendance and Membership  
   3. Approval of Agenda  
   4. Report on changes made on the document from Revision 7 to Revision 8.  
   5. Actions of the working group  
   6. Meeting Schedule  
   7. Adjournment

Results of Meeting

1. Opening Remarks

William Dallas the Editor of the CAM document, called the meeting to order at 9:00 am, Monday, 18 July 1994. He thanked DIGITAL for hosting the meeting.

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

It was stated that the meeting had been authorized by X3T10 and would be conducted under the X3 rules.

The minutes of this meeting will be posted to the SCSI BBS and the SCSI Reflector and will be included in the next committee mailing.

2. 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 company to attend and to express their opinion on the subjects being discussed.

The following people attended the meeting:

CAM Working Group Meeting Attendees

<table>
<thead>
<tr>
<th>Name</th>
<th>Org</th>
<th>Phone Number -or- Electronic Mail Address</th>
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3. Approval of Agenda

The agenda developed at the meeting was approved.

4. Report on changes made on the document from Revision 7 to Revision 8.

Bill Dallas reported on the editorial and technical changes made in the CAM document which changed the revision from revision 6 to 7. These changes were the following:

- Changes to CAM

  Clarification of Error conditions and queues within the subsystem.

  Addition of soft reset alternative handling by peripheral drivers and SIM/HBAs.

  Addition of note that CAM status of Bus Reset Denied is expected to be deleted in CAM-2.

  Clarification of the Abort SCSI Command.

  Clarification of the Terminate I/O Process.

  Clarification of CAM Control Block Request.

  Addition of SIM Queue Freeze Flags Table.

  Clarification of Command Linking functionality.

5. Actions of the Working Group

As normal there where comments and changes suggested to be made to the document. The following are the major actions of the CAM Working Group:

Soft reset alternative:
The working group felt that the handling for the soft reset alternative in this revision of CAM was not in conformance with SCSI-2. The working group also decided that the responsibility for determining if the soft reset alternative for a SIM/HBA was a vendor
unique implementation at the SIM/HBA. The document will be changed to reflect the vendor unique soft reset alternative handling and to reflect the handling of the SIM queues for the HBA when a bus reset is detected.

CAM Status of Bus Reset Denied:
The working group felt that this status should be deleted in this version of CAM, if this does not present a large problem to the only company that is using this status. The company will get back to the editor with status.

Abort SCSI Command and Terminate I/O Process functions:
Addition of wording that these functions do not effect the autosense process for the specified CCB if autosense conditions are in effect.

ECA:
There was a long discussion about ECA and how CAM does not address the handling of the ECA. One member felt that CAM should address and implement mechanisms that conforms to SCSI-2 ECA mechanisms. It was argued that ECA was an mechanism not implemented within the industry and is replaced by ACA in SCSI-3 and that CAM should not address ECA. It was decided that CAM shall not address ECA mechanisms.

CAM Control Block to Request I/O:
The working group decided that clause 10.1 and 10.2 needs to be swapped.

CAM Flags Table 19:
The working group decided to merge the SIM Queue Freeze Flags Table and the Target Mode Specific CAM Flags Table with Table 19.

Review of Clause 11:
A review of Clause 11 up to Clause 11.3 was done and the working group found major editorial and implementation problems with Phase Cognizant Mode. The implementations problems were worked and a solution was developed. The editor was directed to correct the CAM document.

6. Meeting Schedule

The next meeting of the CAM Working Group is planned for Sept. 12, 1994 in Houston, TX. The meeting is expected to run from 9:00am-8:00pm.

7. Adjournment

The meeting was adjourned at 7:30 pm. on Monday, July 18, 1994.