

Date: May 6, 1997
Project:
Ref. Doc: T13/D97133R0, T10/97-xxxR0

To: Membership of T10 and T13

From: Pete McLean

Subj: Minutes of Ad hoc meeting of 5/5-6/97

Agenda

1. Opening remarks
2. Charter
3. Agenda
4. Review of minutes [T10/97-162R0, T13/D97125R0] and old action items
5. SBP-2 [T10/1155D]
 - 5.1 Review isochronous clauses
 - 5.2 Other technical issues
 - 5.2.1 Response after bus reset
 - 5.2.2 Page tables
 - 5.2.3 Unsolicited status
 - 5.2.4 Login (editorial)
 - 5.2.5 Query logins
 - 5.2.6 Open boot
 - 5.3 Editorial review (scheduled for Thurs AM)
6. Common Native Command Profile
 - 6.1 Address technical issues
 - 6.1.1 Unsolicited status
 - 6.1.2 Unit_power_directory
 - 6.1.3 C/DVD annex
 - 6.2 Schedule editorial review
7. Tailgate document [T13/D97107]
 - 7.1 Schedule editorial review
8. Review action items
9. Call for patents
10. Meeting schedule

Attendees

Jack Hollins	Adaptec	Randy Hines	Philips
Ron Roberts	Apple	Mark Evans	Quantum
Bill Galloway	Compaq	Mike Bryan	Seagate
Michael Nguyen	Fujitsu	Anthony Fung	SGS-
Thomson			

Dan Colegrove Thomson	IBM	Peter Groz	SGS-
David Jolley	Iomega	Dennis Pak	Sony
Gary Brandvold	Maxtor	Tarl Neustaedter	Sun
Pete McLean	Maxtor	Rick Born	
Symbios			
John Fuller	Microsoft	Tokuyuki Totani	Toshiba

Unfortunately the secretary's notebook computer was stolen during the noon recess on Monday. As a result no minutes exist for that time period. In addition, agenda items were taken out of order so the following minutes reflect actions taken in the order that they were taken.

6. Mass Storage Profile Review

Figure 17 - Only the first 5 quadlets of the ConfigROM have the fixed offsets as shown. All other offsets in the document shall be removed.

Sections 6.2.2, 6.3 (Node Power Directory), 6.2.4 (Node_Power_Level and Node_Power_Management offset) should be removed.

Correct the Command_Set_Spec_ID key value in Figure 22.

The 'q' and 'o' bits of A.3.2 should be left open to accommodate high-end devices.

A point was raised that the Login operation can't be completed without spinning up the drive since the serial number/password may be stored on the media. Two choices are available: 1)NVRAM to store the password or 2) live with an unchangeable password. No decision was made on this issue.

Tailgate - an editorial review needs to be scheduled.

Randy Hines presented Rev. 0.1f of the C/DVD annex. The Unsolicited Status proposal was discussed in detail.

Unit model id proposal - Sun. Peter Johansson will take the changes to 1212.

The problem is that a method is needed at the 1394 level that will enable boot code to identify the device such that the correct driver can be loaded.

This needs to be available in the 2 second period.

Peter also said we need to add unit firmware id. This will enable firmware versions that describe all various revisions of firmware. (servo, boot, interface etc.)

Pete Mclean expressed his reservations because of problems he has seen with PCMCIA devices.

* Model # + vendor id must identify the device well enough that the driver will work. In 1212 (this needs to be available in the 2 sec. limit.)

Are there any textual descriptor strings that should be made mandatory? This brings inquiry type data into the config. ROM. This would be used instead of inquiry. John Fuller indicated that Microsoft would use this.

Mike will clarify in the document what is really happening.

Pete Mclean - error conditions identified on reflector (ACK error conditions)
Everyone needs to walk through the error conditions and look for the wierd things that can happen. Put these on the reflector so a list can be compiled.

Peter Johansson went through editorial changes made in the document. Everyone willing to tolerate the changes.

Isochronous:

Ways of making isochronous transfers more simple were discussed with no real resolution coming of it.

Peter J. is going to add the cycle mark pointers on 512 byte boundaries for the next revision of the document.

Is the pressure to complete isochronous as for as disk drives still there? Yes.

How do we get the printer stuff going? Peter J. will take the action to coordinate the printer issues with the various trade association working groups. We may need to hold off while the other groups catch up to where we are.

He will also divide it into two models 1 queue and 2 queue models.

Meeting for Tailgate editorial review is on the 16th.

Pete M. went over his presentation to the plenary for Mike's document. No objections to his content.

Peter Johansson offered to include the contents of the profile documents to his 'SCSI Transport via SBP-2' (Project 1240D). This would eliminate the need for the project proposal. Mike Bryan was the only one besides Peter who had read the document so there was hesitation in the group to decide anything at this time. A straw poll vote was taken to help Pete Mclean decide what to present to the plenary group. The results follow:

straw poll:	1 st	2 nd	3 rd	choices
New project	3	6	2	Number of votes
Combine with STS	3	3	7	
Wait and read documents	7	2	3	

Call for patents Pete

Meeting schedule: June 16-17 Irvine CA. WD (17th will be devoted to the Tailgate editorial review)

July 21-22 San Jose Seagate.

Action Items:

- A new revision of Mass Storage Profile (Mike Bryan)
- A new revision of SBP-2 (Peter Johansson)
- Unsolicited Status proposal (Peter Johansson)
- Model # text strings in config ROM (Mike Bryan)
- Peter Johansson will take the model # and vendor id stuff to 1212.
- Peter J. will add the 512 byte cycle mark pointers to the isoch portion. \
- Peter J. will take the action to coordinate the printer issues with the various trade association working groups. We may need to hold off while the other groups catch up to where we are.
- Peter J. Also he will divide it into two models 1 queue and 2 queue models.