To: T10 Membership
From: Alvin Cox
Subject: Minutes of SAS Physical teleconference - July 8, 2002

Meeting was called to order at 2:05 pm CDT, Monday, July 8, 2002

Attendees:

Richard McMillan Adaptec, Inc.
Ken Paist Agere Systems
Barry Olawsky HP
Lou Fasano IBM
Farzad Ghobadian Intel Corp.
Mike Jenkins LSI Logic
Russ Brown Maxtor Corp.
Juzer Mogri NEC Electronics
Alvin Cox Seagate
Allen Kramer Seagate
Joni Clark Seagate
Mike Jenson ST Microelectronics

12 people present.

Agenda:

1. Table 19 update (Brown)
   Excess differential input capacitance specification issue:
   - Make reference to the time number instead of capacitance and update note f.
   - 1.5 Gbps 150 ps max
   - 3.0 Gbps 100 ps max

   02-210r2 was recommended to T10 for inclusion in SAS, 7 YES / 0 NO / 3 ABSTAIN

2. Test load (Jenkins)
   Review proposal T10 document 02-240r0

   Significant discussion on this item. Mike Jenkins will update the drawing to specify 1.5 and 3.0 GHz and scale the numbers accordingly. Decided to use the same equation and thus the same test vehicle as XAUI. Mentioned that the sample in the figure was worse than 4dB. It is not certain whether the values match the near end and far end values specified in the existing SAS tables. Mike to update so that the topic can be reviewed during the T10 meeting next week. Since Mike will not be present, a teleconference has been scheduled for this topic on 7/22 (see below).

3a. OOB speed negotiation
    Review proposal T10 document 02-198r4

    See item 3b. Additional review during face-to-face.

3b. Loop Lock time (Brown)
New item. Need information posted.

Information was posted to the reflector and discussed during the call. Determined to be part of the OOB speed negotiation topic. IC suppliers concerned about lock time allowances during speed negotiation. FCAL allows approximately 500us and would be beneficial for design latitude in SAS, especially since speed negotiation is not often performed. Recommended that the protocol group consider the FCAL timing for the RCD interval.

4. Jitter tolerance compliance points table review (Jenkins/Kramer)
   Status of review.

   Jenkins and Kramer to review and Kramer will present during face-to-face.

5. Common Mode Shift Oxide Stress (Cable)
   Review proposal T10 document 02-247r0

   Not covered. Review during face-to-face.

6. 3.3V LED driver characteristics

   Not covered. Review during face-to-face.

07/22/02 TELECONFERENCE INFORMATION:

* Start Date/Time: 07/22/02 MON 02:00 PM CDT
* End Date/Time: 07/22/02 MON 04:00 PM CDT

PARTICIPANT INFORMATION:

All Participants should use the following information to reach the conference call:

* PARTICIPANT CODE: 734444
* Toll Free Dial In Number: (888)296-1938

Webex information:

Meeting Name: SAS PHY WG
Scheduled Time: 7/22/2002 at 1:45PM (GMT -05:00) Central Time, USA & Canada (DayLight Time).
Meeting Number: 281652669
Any meeting attendee can use this number to join the meeting, at https://seagate.webex.com/join/

Password: SASphy

T10 Face-to-face July

See above for agenda items.
Monday-Tuesday, July 15-16, 2002 commencing at 1:00 p.m. on Monday and ending at 5:00 pm on Tuesday in Colorado Springs, CO at the Wyndham Colorado Springs Hotel (719-260-1800).

The meeting notice (with a link to make reservations on-line) is available at:
http://www.t10.org/ftp/t10/announce/ann-m050.pdf

The meeting was adjourned at 4:00 pm CDT, Monday, July 8, 2002