Minutes of SAS PHY WG conference call, October 14, 2002   02-410r0

Attendance:

Richard McMillan	Adaptec
Bernhard Laschinsky	Agere
Ken Paist	Agere
Lafe Moon	Data Transit
David Freeman	Data Transit
Barry Olawsky	HP
Clay Cranford	IBM
Lou Fasano	IBM
George Penokie	IBM
Andrew Cable	Intel
Mike Jenkins	LSIL
John Lohmeyer	LSIL
Russ Brown	Maxtor
Alvin Cox	Seagate
Al Kramer	Seagate
Bill Gintz	Seus

16 people in attendance.

Agenda:

1. Test loads (Cox)

Review content of 02-379r0
ftp://ftp.t10.org/t10/document.02/02-379r0.pdf

As a result of the review, Alvin will update the text and figures to clarify that the test loads are used to test the transmitter.

2. Common mode specification (Brown)

Review latest revision
ftp://ftp.t10.org/t10/document.02/02-349r1.pdf

Discussed a newer revision than available on T10. Transient section looks okay. Voted to support additional work on the common mode as this appears to be a trend on new specification and has value. Should support historical methods for leverage of testing. Clay Cranford to check on availability of other specification details to leverage work already done within another group.

3. FM specification (Johnson)

ftp://ftp.t10.org/t10/document.02/02-398r0.pdf

Bruce Johnson was not on the call. Concerned that the title does not reflect what is actually being done to the signal. Appears to include amplitude modulation and asymmetry rather than frequency modulation. Bruce needs to explain on the next call.

4. Review what PHY group wants to count on the SMP REPORT PHY ERROR LOG.

Unanimous decision to accept the SMP REPORT PHY ERROR LOG section as in SAS rev 2a. Also a unanimous decision to drop the use of "loss of signal" in the specification and to not provide a definition.

5. Status of proposals:
Jitter test pattern definition to be posted by Alvin Cox 10/14. Will review on next week's call.

ftp://ftp.t10.org/t10/document.02/02-390r0.pdf

6. New items

a) READY LED characteristics for non-rotating media devices.

Alvin to review power states and see if rotating media can be dropped from existing function definitions. Change shall to should so that duty cycle percentages do not require tolerances.

b) Formalize deletion of Y1 and Y2 from transmitter tables.

Allen Kramer to review eye mask figures. May be able to delete normalized figures and thus eliminate Y1 and Y2.

7. Meeting schedule:

SAS PHY Teleconference Monday, October 21, 2:00 pm - 4:00 pm CDT

PARTICIPANT INFORMATION:
All Participants should use the following information to reach the conference call:
Toll Free Dial in Number: (866) 279-4742
International Access/Caller Paid Dial In Number: (309) 229-0118

PARTICIPANT CODE: 3243413

Webex information:

Meeting Summary
Meeting Name: SAS PHY WG
Scheduled Time: 10/21/2002 at 1:45PM (GMT -05:00) Central Time, USA & Canada (DayLight Time).
Meeting Number: 281981011
Any meeting attendee can use this number to join the meeting, at
          https://seagate.webex.com/join/
Password: compliance

8. Adjournment

The meeting was ended at 4:53 pm, October 14, 2002