Minutes SAS 1.1 PHY working group conference call October 28, 2004

T10/04-356r0

Tim Symons Adaptec Henry Wong Agilent Kevin Marks Dell Barry Olawsky HP Rob Elliott ΗP Bill Bissonette Intel George Penokie **IBM** Mike Jenkins LSI Logic Chuck Hill Maxtor Dick Uber Maxtor Bill Lye PMC-Sierra Alvin Cox Seagate Kalev Sepp **Tektronics** David Springberg Vitesse Bill Gintz Zues

15 people present.

Agenda:

1. SAS STP and SATA annex. (Barry Olawsky)

Barry has decided to write an informative annex to document concerns of SATA in a SAS environment. This would allow SATA values to be removed from the SAS PHY tables and reduce confusion about what the "SATA numbers" mean.

Working to have available at face-to-face.

2. TCTF editorial update. (Barry Olawsky)

ftp://ftp.t10.org/t10/document.04/04-337r0.pdf

Reviewed 04-337. Some concerns expressed about incompleteness of the TCTF due to missing parameters. TCTF test load replaced by compliant test load and needs to include a termination of 100 ohms. Bill Ham suggested review of T11 04-604 regarding compliance interconnect methodology. Question if 10nF caps should be included after the TCTF test load.

Working to have update available at face-to-face.

3. Definitions and acronym update proposal (Bill Ham)

ftp://ftp.t10.org/t10/document.04/04-331r0.pdf

Comment to reflector.

No comments have been received so far. Rob Elliott indicated he has found some subtle optical indications and will verify what version he found these in.

4. Jitter measurement similar to FC-MJSQ (Bill Ham)

ftp://ftp.t10.org/t10/document.04/04-332r0.pdf

Comment to reflector.

History on Table 25 transient specification. What is a transient, state of system, how to measure?

Dick Uber to try to contact Russ Brown. Bill Gintz will also investigate. Alvin suggests that mode transitions be removed from the note d and replaced with hot plug.

Common Mode transient measurement http://www.t10.org/ftp/t10/document.04/04-354r0.pdf

Changes incorporated per the following proposal: http://www.t10.org/ftp/t10/document.02/02-349r4.pdf

Reference documents: Annex B in SPTI 2, SFF-8429 signal measurement points. Is CDF in the acronym list? Table 28 should have "output" in title.

5. New items

Does SAS wish to specify alpha point requirements?

Next meeting at T10 face-to-face in Austin, TX Tuesday 11/9 9:00 am