

Attendance:

Mr. Mark Lettang	3M
Mr. Paul von Stamwitz	AMCC
Mr. Greg McSorley	Amphenol
Mr. Elwood Parsons	Foxconn Electronics
Mr. Barry Olawsky	Hewlett Packard Co.
Mr. Rob Elliott	Hewlett Packard Co.
Dr. Mark Seidel	Intel Corp.
Mr. Michael Jenkins	LSI Corp.
Mr. Gabriel Romero	LSI Corp.
Mr. M. S. Mobin	LSI Corp.
Mr. Ken Paist	LSI Corp.
Mr. Kevin Witt	Maxim Semiconductor
Mr. Galen Fromm	Molex Inc.
Mr. Gourgen Oganessyan	Quellan
Mr. Alvin Cox	Seagate Technology
Mr. Allen Kramer	Seagate Technology
Mr. Benoit Mercier	STMicroelectronics
Mr. Bent Hessen-Schmidt	Synthesys Research, Inc.
Mr. Michael Fogg	TycoElectronics
Mr. Dan Gorenc	TycoElectronics
Mr. Scott Shuey	TycoElectronics
Mr. Ramez Rizk	WDC

22 in attendance

Agenda:

1. 08-328 SAS 2.0 miniSAS 4x key dimensions [Neer]
<http://www.t10.org/ftp/t10/document.08/08-328r0.pdf>

No additional comments on dimensions of proposed keys. This will be the plan of record for comment resolution. Need to make updates for test and figures plus provide updates to the SFF specification.

2. Comments on SFF-8486
<ftp://ftp.seagate.com/sff/SFF-8486.PDF>

Discussed this microSAS proposal. Decided that two versions should be documented since indications that at least one dual function target device (negotiates either SAS or SATA) is planned. The specification needs to clearly state that the SAS-only versions require a keyed connector that keeps them from plugging into a microSATA host.

3. Update on simulation tools.
T10/08-345r1, SAS-2 RX Simulation Matlab Code (SASWDP)[Jenkins]
<http://www.t10.org/ftp/t10/document.08/08-345r1.pdf>
<http://www.t10.org/ftp/t10/document.08/08-345r1.zip>

Code has 10^{-12} . Should it have 10^{-15} ?

A smaller number would make the receiver test easier and the transmitter test harder. There is no information on how to derive an impulse response.

The number 3,000 is hard coded. Should this be a variable so that test can be used at speeds other than 6Gbps? May just be a coincidence.

Is 7.5Ghz an assumption on the data collection bandwidth?

The original posting was a "hack" to run on Mike's version of Matlab. Mike has posted Rev 1 and it should work okay.

Kevin and Rob have matched Mike's results.

Kevin will keep a list of updates so Mike can provide them to Adam for an update of the code.

This will minimize the number of updates.

4. 08-052 Proposal for SAS 2.x Specification to Enable Support for Active Cables [Oganessyan]

A new number was taken out to revise (08-358), adding in and out versions rather than just a universal version. In addition, verification information regarding the voltage detection circuit has been posted (08-359).

<http://www.t10.org/ftp/t10/document.08/08-358r0.pdf>

<http://www.t10.org/ftp/t10/document.08/08-359r0.pdf>

5. New items.

What about receiver test with zero length test load?

Add a receiver device sensitivity test with zero length as well as the reference load. This needs to be tested in the lab to determine what is required.

Next meeting:

September 9, 2008

Antlers Hilton Hotel

4 South Cascade Avenue

Colorado Springs, Colorado 80903

9:00 am - 5:00 pm