

Attendance:

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| Mr. Jesse Jaramillo | Amphenol |
| Mr. Chuck Hill | Alta Engineering |
| Mr. Jeremy Flake | ATL Technology |
| Mr. Kevin Witt | Dallas Semiconductor |
| Mr. Ramez Rizk | Emulex |
| Mr. Mike Fitzpatrick | Fujitsu |
| Mr. Barry Olawsky | Hewlett Packard Co. |
| Mr. Rob Elliott | Hewlett Packard Co. |
| Mr. Dan Colegrove | Hitachi Global Storage Tech. |
| Mr. Harvey Newman | Infineon Technologies |
| Dr. Mark Seidel | Intel Corp. |
| Mr. Joel Silverman | Kawasaki Microelectronics |
| Mr. Michael Jenkins | LSI Logic Corp. |
| Mr. Gabriel Romero | LSI Logic Corp. |
| Mr. John Lohmeyer | LSI Logic Corp. |
| Mr. Jackie Chow | Marvell Semiconductor, Inc. |
| Mr. Galen Fromm | Molex Inc. |
| Mr. Hock Seow | NEC Electronics America, Inc |
| Mr. Joseph Chen | Samsung |
| Mr. Alvin Cox | Seagate Technology |
| Mr. Benoit Mercier | STMicroelectronics |
| Mr. Doug Loree | Toshiba |
| Mr. Scott Shuey | TycoElectronics |
| Mr. Mahbubul Bari | Vitesse Semiconductor |
| Mr. Larry McMillan | WDC |
| Mr. Ramya Dissanayake | WDC |
| Mr. Sanjay Sethi | |

27 in attendance

Zero length test load:

Did a quick review of 07/07-013r7 which substantiates the approach taken in 07-304 for updating the PHY section. Waiting on posting of 07-304r3.

SAS-2 Zero-Length Test Load Characterization [Olawsky]

<http://www.t10.org/ftp/t10/document.07/07-013r7.pdf>

SAS-2 Zero-Length Test Load Section [Olawsky]

<http://www.t10.org/ftp/t10/document.07/07-304r2.pdf>

SAS-2 6Gbps PHY specification

Alvin did a quick review of the status which included the initial draft of the transmitter section and still needed completion of the receiver section. He promised the updated proposal with the receiver section to be posted Thursday night or Friday morning so it could be worked on at the face-to-face on 8/15-8/16. See link below for the updated proposal.

Alvin posed the question of how to handle the eye opening amplitude since the reference receiver was changed to 1000 mV. The transmitter device table allows a range of 800 – 1200 mV, so how

can the number in the table reflect the reference transmitter delivered signal requirement as well as that of the “real” transmitter?

Discussed the common mode plot and indications are that other specifications are making this a flat line. Hardware may not be able to support the graph as currently proposed.

Cable suppliers need to review the Scd21 numbers.

Another question that came up was the ability to provide enough amplitude for OOB through the 10-meter cable. A quick look at the cable loss for the SAS-2 OOB signaling showed that this is not an issue.

SAS-2 6Gbps PHY specification [Cox]

<http://www.t10.org/ftp/t10/document.07/07-339r2.pdf>

Next meeting:

Interim face-to-face meeting (PHY WG only)

An interim face-to-face SAS-2 PHY WG meeting is planned for August 15 and 16.

The meeting will be held at the Molex campus in Lisle, IL.

Many thanks to Molex hosting this meeting.

Date:

Wednesday August 15th 8am – 5pm

Thursday August 16th 8am - noon

Address:

Molex

2222 Wellington Court

Lisle, IL 60532

<http://www.t10.org/ftp/t10/t10r/2007/r0707166.htm>

No conference call on 8/16.