

## IEEE 802.3

### CU4HDD Study Group – Task Force Meeting Minutes – 25-Feb-2016

Prepared by Dan Smith, acting chairman of Ad Hoc calls

Call Began at 11:05 AM, MT.

#### Agenda:

- Anthony Calbone, Seagate, continuing presentation and discussion of channel specification with 2.5G additions.

#### Preliminaries:

Patent statement was shown and there was no response from the participants.

William Lo mentioned the next call, which will be Monday, 29-Feb-2016, at 12 pm Mountain Time, using the same Webex details. This is a special Ad Hoc call to allow William to show his documentation efforts regarding the 2.5G protocol/negotiation details.

Next week, there will also be a meeting on Thursday, at the regular time, to finish a discussion of the required 'PHYs' for this Task Force proposal. Dan will send out a meeting notice for that call, with further details on the agenda.

#### Presentation/Discussion:

Anthony presented '*calbone\_cb\_PMD\_Update\_2-25-2016.pdf*' that was attached to this meeting's reflector announcement. New slides, 16-18 were shown and losses explained for 2.5G channel.

Yong asked if this represents accurately what the storage industry desires for the loss model. Anthony and Dan explained that the intention throughout our discussions, thus far, has always referenced the SAS 6Gbps models as the desired environment for this usage by the storage providers.

Anthony asked if we could socialize the latest presentation, to gain consensus and understanding, before the next Thursday call. Yong suggested Anthony's presentation be sent to key people in our group and other experts outside of this call. The experts that need to see this information, to try to get finalized input are: John D'Ambrosia, Adam Healey, Rich Mellitz, Adeel Ran, and Chris DiMinico.

George mentioned that we need to be clear that this is a single link segment, per speed, with a total loss for that link. Anthony will add this information to his introductory page in his presentation. His updated presentation will be sent out after this call.

George Zimmerman showed a chart of various PHY specs, with the intent of discussing how we might approach the description of our PHY/s. William stated that we have agreed to KX and KR, which are the only PHYs we are proposing. We decided to not muddy the waters with further information, sticking with a simple statement that we are doing only those two PHYs.

Adjourned: 11.44 am MT. Next call, Monday, 29-Feb-2016, 12 pm MT, and then again on Thursday, 3-Mar-2016. The same Webex details remain in effect for both calls, unless notified in advance.

### Attendees:

Name	Affiliation	Attended 2/4/2016	Attended 2/18/2016	Attended 2/25/2016
Calbone, Anthony	Seagate	X	X	X
Carlson, Mark	Toshiba	X	X	
Chalupsky, David	Intel			
Chandrian, Ajith	Cisco			
Chang, Jacky	HP			
Cox, Alvin	Seagate	X	X	
Czekalski, Marty	HGST	X	X	
D'Ambrosia, John	DELL			
Feyh, German	Broadcom			
Ghani, Abbas	Ericsson			
Healey, Adam	Avago			
Horner, Rita	Synopsys		X	
Jones, Peter	Cisco			
Kim, Yong	Broadcom		X	X
Kipp, Scott	Brocade			
Law, David	HP			
Lo, William	Marvell			X
McCarthy, Mick	Analog Devices			
McMillan, Larry	Western Digital	X	X	X
McSorley, Greg	Amphenol	X	X	
Mellitz, Rich	Intel	X	X	
Poh, Ed	Molex			
Rahman, Hamza	Dell			
Schoenhals, Mark	Marvell			
Sedarat, Hossein	Aquantia			
Sinha, Santanu	Broadcom			
Skaar, Tom	Seagate	X	X	
Smith, Dan	Seagate	X	X	X
Sommers, Scott	Molex			
Souvignier, Tom	Broadcom			
Suhler, Paul	HGST			
Sun, Phil	Marvell			
Svensen, Justin	LIT			
Telang, Vivek	Broadcom			
Tenea, Bogdan	Ixia			
Tracy, Nathan	TE Connectivity			

Name	Affiliation	Attended 2/4/2016	Attended 2/18/2016	Attended 2/25/2016
Tran, Paul	Marvell			
Walker, Dylan	Walker			
Wassenberg, Paul	Marvell		X	
Wu, Peter	Marvell	X		X
Zemach, Rami	Marvell			
Zhang, Jin	Marvell	X		X
Zimmerman, George	CME Consulting, Inc.	X	X	X
Zimmerman, Yaron	Marvell			
<b>Attendee Count:</b>		12	13	8