

IEEE 802.3

CU4HDD Study Group – Task Force Meeting Minutes – 3-Mar-2016

Prepared by Dan Smith, acting chairman of Ad Hoc calls

Call Began at 11:06 AM, MT.

Agenda:

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

Preliminaries:

Patent statement was presented with no response from the participants.

Presentation/Discussion:

- Discussion started around Anthony's latest document updates for 2.5G. Larry questioned why the loss at 5G was so much higher. Dan stated that the loss was based on existing SAS models at 6G (closest to 5G) and 3G (closest to 2.5G). Larry asked if more robust EQ is "required" for 5G, assuming a closed eye with the greater loss. Peter Wu explained that the description of the PHY already exists elsewhere. IEEE doesn't address what is required at the receiver.
- Second half was to show a possible addendum addition to our draft spec, showing the storage enclosure, which can contain cables, connectors, backplanes, and devices, but not intended to describe "external cabling" as part of our proposal. This will be proposed as an annex, written in IEEE format, to the Plenary. (See posted document on AD Hoc page; a rough draft of intended content.) The intention is for our draft to only contain two PHY types for KX and KR. George also stated that this should tie into Clause 125 of 'bz', the overall architecture for 2.5G and 5G. He will pass this to our committee for comment from our group to ensure it represents what we need for storage. We will discuss the 8 or 9 comments (rather minor) that George needs before Monday of the Plenary. 802.3bx draft 3.2, in their private area needs to be observed for the modeling clauses that map to what we are proposing. George says Clauses 84, 93, and Annex 92A, 93A, 93B, 93C, that were the 'bj' project, need to be examined. They are contained in the CD that were handed out at the last Plenary (Nov?). Most of this has been covered very well by William Lo and Anthony Calbone.

Adjourned: 11:39 MT

Next Meeting: Thursday, 10-Mar-2016.

Attendees:

Name	Affiliation	Attended 2/18/2016	Attended 2/25/2016	Attended 3/3/2016
Calbone, Anthony	Seagate	X	X	

Name	Affiliation	Attended 2/18/2016	Attended 2/25/2016	Attended 3/3/2016
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			
Haser, Alex (Ms.)	Molex			X
Healey, Adam	Broadcom			
Horner, Rita	Synopsys	X		X
Jones, Peter	Cisco			
Kim, Yong	Broadcom	X	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		
Mellitz, Rich	Intel	X		
Poh, Ed	Molex			X
Parthasarathy, Vasu	Broadcom			
Rahman, Hamza	Dell			
Ran, Adee	Intel			X
Schoenhals, Mark	Marvell			
Sedarat, Hossein	Aquantia			
Sinha, Santanu	Broadcom			
Skaar, Tom	Seagate	X		
Smith, Dan	Seagate	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			
Tran, Paul	Marvell			

Name	Affiliation	Attended 2/18/2016	Attended 2/25/2016	Attended 3/3/2016
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			
Attendee Count:		13	8	12