

IEEE P802.3ck Ad Hoc meeting – December 5, 2018

Prepared by Kent Lusted

Proposed Agenda:

- Approval of the Agenda
- Approve 24 October ad hoc minutes
- IEEE Patent Policy reminder:
 - <http://www.ieee802.org/3/patent.html>
- IEEE Participation Requirements reminder
- Logistics for November Plenary meeting
- .3ck Ad Hoc –
 - 3ck Update - Beth Kochuparambil
 - “COM Simulation for 100G KR/CR Channels”, Yasuo Hidaka
 - “Comparison of KR/CR Reference Receivers”, Phil Sun

Presentations posted at: <http://www.ieee802.org/3/cd/public/adhoc/archive/index.html>

Meeting began at ~7:05 a.m. Pacific by Beth Kochuparambil.

Meeting began with the agenda presentation:

http://www.ieee802.org/3/ck/public/adhoc/dec05_18/agenda_181205_3ck_adhoc.pdf

The ad hoc chair reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes. Reminded participants to mute lines when not speaking and reviewed the steps to unmute.

Showed the links to the IEEE P802.3ck Task Force ad hoc page and the email reflector.

Presented the proposed agenda and asked if there was objection as written. The agenda was approved by the ad hoc.

Asked if there were comments regarding the posted minutes for the October 24 ad hoc meeting. No one responded. The minutes were approved by the ad hoc.

Reminded participants of the IEEE patent policy. She asked if anyone was unfamiliar with the IEEE patent policy. No one responded.

Reminded participants of the IEEE Participation Requirements and showed the slide with the Participation requirements. She asked if anyone was unfamiliar with the IEEE Participation Requirements. No one responded.

Agenda Items

P802.3ck Task Force update, Beth Kochuparambil

- TF meets the week of January 14, 2019 in Long Beach, CA, USA. TF meets Tuesday afternoon thru end of Thursday.
- Notable dates: January 4th (Fri) AOE - Presentation Requests due. January 9th (Wed) 5pm PDT - Presentations due
- Reviewed the current Task Force status on each of the 4 interfaces. (see: http://www.ieee802.org/3/ck/public/adhoc/dec05_18/agenda_181205_3ck_adhoc.pdf)

Presentation #1:

“COM Simulation for 100G KR/CR Channels”, Yasuo Hidaka

See: http://www.ieee802.org/3/ck/public/adhoc/dec05_18/hidaka_3ck_adhoc_01_120518.pdf

- Presenter gave a live demonstration of the results spreadsheet (see: http://www.ieee802.org/3/ck/public/adhoc/dec05_18/hidaka_3ck_adhoc_02_120518.zip)
- The package used is a 5dB package (not including Cd)

Presentation #2:

“Comparison of KR/CR Reference Receivers”, Phil Sun

See: http://www.ieee802.org/3/ck/public/adhoc/dec05_18/sun_3ck_adhoc_01a_120518.pdf

- Discussed the various implementation penalties of ADC ENOB.
- Discussed the impact of quantization effects on the FFE.
- Discussed the PDFE passing channels that the other reference RX equalizers would fail.

Next ad hoc is Dec 12th at 7:00 a.m. Pacific.

The ad hoc meeting ended at ~8:30 a.m. Pacific.

List of attendees (captured from Webex tool)

Name	Affiliation	Employed by
Adam Healey	Broadcom	Broadcom
Adrian Butter	Global Foundries	Global Foundries
Alex Haser	Molex	Molex
Ali Ghiasi	GhiasiQuantum LLC	GhiasiQuantum LLC
Arthur Marris	Cadence	Cadence
Beth Kochuparambil	Cisco	Cisco
Bill Kirkland	Semtech	Semtech
Biman Chattopadhyay	Synopsys	Synopsys
Brian Holden	Kandou	Kandou
Burrell Best	Samtec	Samtec
David Malicoat	Senko & Aquantia	Malicoat Networking Solutions
David Rennie	Synopsys	Synopsys
Dino Pozzebon	Microsemi	Microsemi
Dominic Lapierre	Exfo	Exfo
Fernando DeBerardinis	eSilicon	eSilicon
Frank Lambrecht	Gigamon	Gigamon
Howard Heck	Intel	Intel
Hsinho Wu	Intel	Intel

Jane Lim	Cisco	Cisco
Jayen Desai	Intel	Intel
Jeff Slavick	Broadcom	Broadcom
Jeff Twombly	Credo	Credo
Jeffery Maki	Juniper	Juniper
Jeremy Stephens	Intel	Intel
John Ewen	Globalfoundries	Globalfoundries
Karen Liu	Kaiaam	Kaiaam
Ken Jackson	Sumitomo	Sumitomo
Kent Lusted	Intel	Intel
Kumaran Krishnasamy	Broadcom	Broadcom
Liav Ben-Artzi	Marvell	Marvell
Matt Brown	Macom	Macom
Mau-Lin Wu	Mediatek	Mediatek
Mike Dudek	Cavium	Cavium
Nathan Tracy	TE Connectivity	TE Connectivity
Paul Kolesar	CommScope	CommScope
Pete Anslow	Ciena	Ciena
Phil Sun	Credo	Credo
Phong Pham	US Conec	US Conec
Piers Dawe	Mellanox	Mellanox
Rajmohan Hegde	Broadcom	Broadcom
Rich Mellitz	Samtec	Samtec
Rick Rabinovich	Keysight	IXIA

Rita Horner	Synopsys	Synopsys
Rob Stone	Broadcom	Broadcom
Scott Sommers	Molex	Molex
Shawn Nicholl	Xilinx	Xilinx
Shimon	Axalume	Axalume
Stas Litski	Intel	Intel
Tao Hu	Marvell	Marvell
Ted Sprague	Infinera	Infinera
Toshiaki Sakai	Socionext	Socionext
Upen Kareti	Cisco	Cisco
Xiang	Huawei	Huawei
Yan Zhuang	Huawei	Huawei
Yasuo Hidaka	Credo	Credo
Yuchun(Louis) Lu	Huawei	Huawei
Zvi Rechtman	Mellanox	Mellanox