

IEEE P802.3ck Ad Hoc meeting – December 19, 2018

Prepared by Kent Lusted

Proposed Agenda:

- Approval of the Agenda
- Approve 12 December ad hoc minutes
- IEEE Patent Policy reminder:
 - <http://www.ieee802.org/3/patent.html>
- IEEE Participation Requirements reminder
- Logistics for January Interim meeting
- .3ck Ad Hoc –
 - “More Insights of IEEE 802.3ck Baseline Reference Receivers”, Yunchun Lu
 - “COM 100G Revision History, Latest Feedback/Update and Configuration Spreadsheet”, Rich Mellitz
 - “Two-phase Grid Search for Fast COM Calculation”, Yasuo Hidaka

Presentations posted at: <http://www.ieee802.org/3/ck/public/adhoc/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/dec19_18/agenda_181219_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. There was no objection. The agenda was approved by the ad hoc.

Asked if there were comments regarding the posted minutes for the December 12 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 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, 2019 (Fri) AOE - Presentation Requests due. January 9th (Wed) 5pm PST (error in deck) - Presentations due

Presentation #1:

“More Insights of IEEE 802.3ck Baseline Reference Receivers”, Yunchun Lu

See: http://www.ieee802.org/3/ck/public/adhoc/dec19_18/lu_3ck_adhoc_01_121918.pdf

- Discussed the possible channel characteristics that cause the results on slide 9.
- Discussed the results on slide 11 and the available signal remaining that is not equalized.
- There was a request to report the ERL and the COM spreadsheet values in the report. Other participants have not been able to repeat the results.

Presentation #2:

“COM 100G Revision History, Latest Feedback/Update and Configuration Spreadsheet”, Rich Mellitz

See: http://www.ieee802.org/3/ck/public/adhoc/dec19_18/mellitz_3ck_adhoc_01_121918.pdf

- There was a request to verify the package model with PTH removed against the .3bj package.
- Discussed the changes made to COM and the need to settle the code. Rich noted that the spreadsheet values are still subject to consensus.
- Chair asked participants to bring results in January based on the v2.57 COM and associated spreadsheets.

Presentation #3:

“Two-phase Grid Search for Fast COM Calculation”, Yasuo Hidaka

See: http://www.ieee802.org/3/ck/public/adhoc/dec19_18/hidaka_3ck_adhoc_01a_121918.pdf

- Discussed the computation time impact due to the TX tap search.
- Discussed the relationship of FOM and COM

Next ad hoc is January 2, 2019 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
Alex Haser	Molex	Molex
Ali Ghiasi	GhiasiQuantum LLC	GhiasiQuantum LLC
Arturo Pachon	TE Connectivity	TE Connectivity
Beth Kochuparambil	Cisco	Cisco
Bill Kirkland	Semtech	Semtech
Biman Chattopadhyay	Synopsys	Synopsys
Brian Holden	Kandou	Kandou
Chris DiMinico	PHY-SI	PHY-SI
David Malicoat	Senko	Malicoat Networking Solutions
Dean Wallace	Marvell	Marvell
Frank Lambrecht	Gigamon	Gigamon
Gary Nicholl	Cisco	Cisco
Geoff Zhang	Xilinx	Xilinx
Greg LeCheminant	Keysight	Keysight Technologies
Howard Heck	Intel	Intel
Hsinho Wu	Intel	Intel
Jane Lim	Cisco	Cisco
Jeff Twombly	Credo	Credo

Jeffery Maki	Juniper	Juniper
Jeremy Stephens	Intel	Intel
John D'Ambrosia	FutureWei (Subsidiary of Huawei)	FutureWei (Subsidiary of Huawei)
John Ewen	Globalfoundries	Globalfoundries
Karthik Gopalakrishnan	Inphi	Inphi
Kent Lusted	Intel	Intel
Marika Immonen	TTM	TTM
Mark Nowell	Cisco	Cisco
Masashi Shimanouchi	Intel	Intel
Matt Brown	Macom	Macom
Mau-Lin Wu	Mediatek	Mediatek
Mike Dudek	Cavium	Cavium
Mike Li	Intel	Intel
Nathan Tracy	TE Connectivity	TE Connectivity
Phil Sun	Credo	Credo
Piers Dawe	Mellanox	Mellanox
Pirooz Tooyserkani	Cisco	Cisco
Raymond Nering	Cisco	Cisco
Rich Mellitz	Samtec	Samtec
Rick Rabinovich	Keysight	IXIA
Rita Horner	Synopsys	Synopsys
Sam Kocsis	Amphenol	Amphenol

Scott Sommers	Molex	Molex
Shawn Nicholl	Xilinx	Xilinx
Shimon	Axalume	Axalume
Stas Litski	Intel	Intel
Steve Sekel	Keysight	Keysight
Tao Hu	Marvell	Marvell
Ted Sprague	Infinera	Infinera
Tom Palkert	Molex/Macom	Molex/Macom
Upen Kareti	Cisco	Cisco
Vittal Balasubramanian	Innovium	Innovium
Xiang	Huawei	Huawei
Yan Zhuang	Huawei	Huawei
Yang Zhiwei	ZTE	ZTE
Yasuo Hidaka	Credo	Credo
Yuchun(Louis) Lu	Huawei	Huawei
Yue Xu	Infinera	Infinera
Zhilei Huang	Huawei	Huawei
Zvi Rechtman	Mellanox	Mellanox