

IEEE P802.3ck Ad Hoc meeting – March 11, 2020

Prepared by Kent Lusted and Beth Kochuparambil

Proposed Agenda:

- Approval of the Agenda
- Approve March 4 2020 Ad Hoc Minutes
- IEEE Patent Policy reminder:
 - <http://www.ieee802.org/3/patent.html>
- IEEE Copyright reminder
 - <https://standards.ieee.org/ipr/index.html>
- IEEE Participation Requirements reminder
- Task Force Status
- Overview of Telephonic Interims
- 3ck Technical Presentations* –
 - “Transmit Equalizer Step Size specifications (comments #62, #63, #74, #10249)”, Adee Ran
 - “Equalizer range and resolution (comments #74, #75, #76, and #77)”, Adam Healey
 - “COM configuration parameters impact on copper cable”, Bruce Champion
- Comment Discussion
 - CTF settings for TP1a & TP4a, Comments #10158, #10157, #10143, #10197, #10199

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

Meeting began at ~07:05 a.m. Pacific by Beth Kochuparambil.

Meeting began with the agenda presentation:

http://www.ieee802.org/3/ck/public/adhoc/mar11_20/agenda_031120a_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.

Presented the proposed agenda. Chair asked if there was opposition to the proposed agenda. No one responded. The agenda was approved by the ad hoc.

The chair noted that the March 4, 2020 minutes were posted. Chair received a correction request related to an affiliation. She asked if there were any additional corrections or modifications. No one responded. March 4th minutes were approved without opposition.

Chair reminded participants of the IEEE patent policy. She asked if anyone was unfamiliar with the IEEE patent policy. (See: <http://www.ieee802.org/3/patent.html>) No one responded.

Reminded participants of the IEEE copyright policy. She asked if anyone was unfamiliar with the copyright policy. (See: <https://standards.ieee.org/ipr/index.html>) 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

See: http://www.ieee802.org/3/ck/public/adhoc/mar11_20/agenda_031120a_3ck_adhoc.pdf

- Draft 1.1 review closed with 215 comments from 23 reviewers, number includes late and withdrawn comments.
- Reviewed big ticket items to close in the draft.
- Upcoming C2M focused ad hoc on 12 March 2020. Kent noted that the agenda for that meeting would focus on the C2M big ticket items.
- The March plenary face to face meeting was cancelled. If you have not received a hotel cancellation at this time, please do so on your own. Registration cancellations are being processed, but will take time.
- Reminded participants of the open IEEE 802.3 WG email ballot related to rule suspension.
- March 2020 plenary was replaced with 6 telephonic interims for this Task Force: 16 March, 18 March, 25 March, 30 March, 1 April and 8 April. See announcement (<http://www.ieee802.org/3/100GEL/email/msg00381.html>). The 16 March meeting would start at 8am Pacific or after the Working Group meeting ends.
 - Calendar invites to be sent to the email reflector.
- Telephonic interims would be run similar to a face to face meeting with a few changes due to time constraints.
- Reviewed the comment resolution process to be used on the telephonic interim meetings.
- Discussed the details on the incomplete remedy bucket comments.
- It was noted that the telephonic interims were public announced meetings and that anyone could attend. However, motions (when taken) would be by 802.3 voters only.

Presentation #1:

“Transmit Equalizer Step Size specifications (comments #62, #63, #74, #10249)”, Adee Ran

See: http://www.ieee802.org/3/ck/public/adhoc/mar11_20/ran_3ck_adhoc_01_031120.pdf

- No questions were asked.

Presentation #2:

“Equalizer range and resolution (comments #74, #75, #76, and #77)”, Adam Healey

See: http://www.ieee802.org/3/ck/public/adhoc/mar11_20/healey_3ck_adhoc_01_031120.pdf

- Discussed the 3rd pre-cursor change and the bmax(1) value proposed.
- Discussed the receiver CTLE settings utilized on the contributed channels on slide 24.
- Discussed the COM values on slide 10.

Presentation #3:

“COM configuration parameters impact on copper cable”, Bruce Champion

See: http://www.ieee802.org/3/ck/public/adhoc/mar11_20/champion_3ck_adhoc_01_031120.pdf

- Discussed the eta_0 as it relates to the BGA breakout region.
- Discussed the SNR_tx and eta_0 impact on COM.
- It was noted that the data for QSFP-DD shows a similar trend as the data on slide 5.
- On slide 5, it was noted that channels with a CA loss > 19.75 dB would not be compliant channels based on the Draft 1.1 cable assembly parameters.

Chair noted that due to the lack of time that the comment discussion topic would be dropped from the call agenda.

Chair reminded participants that the plenary presentation PDFs were due 11 March AOE. Proposed responses to the submitted comments were scheduled for posting 12 March AOE.

Chair noted the IEEE 802.3 Working Group meeting on Monday, 16 March and reminded participants to vote on the open Working Group ballot.

The ad hoc meeting ended at ~9:00 am Pacific.

List of attendees (captured from Webex tool)

Name	Affiliation	Employed by
Adam Healey	Broadcom	Broadcom
Adee Ran	Intel	Intel
Alan Kinningham	I-PEX	I-PEX
Alex Haser	Molex	Molex
Ali Ghiasi	Ghiasi Quantum/Inphi	Ghiasi Quantum/Inphi
Andy Zambell	Luxshare-ICT	Luxshare-ICT
Athos Kasapi	Cadence	Cadence
Bilal Ahmad	Huawei	Huawei
Bill Kirkland	Semtech	Semtech
Brandon Gore	Samtec	Samtec
Bruce Champion	TE Connectivity	TE Connectivity
Chien-Ping Kao	Intel	Intel
Chris DiMinico	PHY-SI	PHY-SI
Clint Walker	Alphawave IP	Alphawave IP
David Chen	Applied Optoelectronics	Applied Optoelectronics
David Malicoat	Senko	Malicoat Networking Solutions
David Rennie	Synopsys	Synopsys
Ed Frlan	Semtech	Semtech
Erdem Matoglu	Amphenol	Amphenol

Femi Akinwale	Intel	Intel
Gary Nicholl	Cisco	Cisco
Geoff Zhang	Xilinx	Xilinx
Greg LeCheminant	Keysight	Keysight Technologies
Greg McSorley	Amphenol	Amphenol
Hansel Dsilva	Achronix	Achronix
Howard Heck	Intel	Intel
Hsinho Wu	Intel	Intel
Inho Kim	Marvell	Marvell
James Weaver	Arista	Arista
Jane Lim	Cisco	Cisco
Jeff Slavick	Broadcom	Broadcom
Jeffery Maki	Juniper	Juniper
Jeremy Stephens	Microsoft	Microsoft
jie zheng	Foxconn Interconnect Technology	Foxconn Interconnect Technology
John Calvin	Keysight	Keysight
John D'Ambrosia	Futurewei (US Subsidiary of Huawei)	Futurewei
John Ewen	Globalfoundries	Globalfoundries
John Yurtin	Aptiv	Aptiv
Joshua Kim	Hirose	Hirose
Karen Liu	Kaiam	Kaiam

Kent Lusted	Intel	Intel
Liav Ben-Artzi	Marvell	Marvell
Mark Gustlin	Cisco	Cisco
Mark Kimber	Samtech	Samtech
Masashi Shimanouchi	Intel	Intel
Matt Brown	Huawei	Huawei
Matt Schumacher	TE	TE
Mau-Lin Wu	Mediatek	Mediatek
Mike Li	Intel	Intel
Nathan Tracy	TE Connectivity	TE Connectivity
Patrick Casher	Foxconn Interconnect Technology	Foxconn Interconnect Technology
Phil Sun	Credo	Credo
Piers Dawe	Mellanox	Mellanox
Pirooz Tooyserkani	Cisco	Cisco
Prasad Venugopal	Arista	Arista
Rich Mellitz	Samtec	Samtec
Rick Rabinovich	Keysight	Keysight
Sam Kocsis	Amphenol	Amphenol
Scott Irwin	Mosys	Mosys
Scott Sommers	Molex	Molex
Stephen Didde	Keysight	Keysight
Steve Sekel	Keysight	Keysight

Steve Trowbridge	Nokia	Nokia
Ted Sprague	Infinera	Infinera
Terry Little	Foxconn Interconnect Technology	Foxconn Interconnect Technology
Tom Palkert	Molex/Macom	Molex/Macom
Upen Kareti	Cisco	Cisco
Xiang He	Huawei	Huawei
Xinyuan Wang	Huawei	Huawei
Yang Zhiwei	ZTE	ZTE
Yasuo Hidaka	Credo	Credo
Zvi Rechtman	Mellanox	Mellanox