IEEE P802.3ck Ad Hoc meeting –
March 4, 2020

Prepared by Kent Lusted and Beth Kochuparambil

Proposed Agenda:

- Approval of the Agenda
- Approve Feb 26 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
- 3ck Technical Presentations* –
    - "100G C2C COM parameters", Phil Sun
    - "OSFP112G 2m Cable Assembly Measurements Update", Erdem Matoglu
    - "The effect of adding noise and restricting DFE tap weights on TP1a measurements for 100GAUI chip to module", Mike Dudek
    - "ERL Progress: The KR Channel Cases", Rich Mellitz

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

Meeting began at ~07:00 a.m. Pacific by Beth Kochuparambil.

Meeting began with the agenda presentation:
http://www.ieee802.org/3/ck/public/adhoc/mar04_20/agenda_030420_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 February 26, 2020 minutes were posted. She asked if there were any additional corrections or modifications. No one responded.

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/mar04_20/agenda_030420_3ck_adhoc.pdf
- Reviewed the adopted timeline.
- Proposed responses are targeted to be available the Thursday before the March 2020 plenary
- Noted upcoming ad hoc schedule and the intent to review open comments and craft the proposed responses. Announcements on agendas or cancellations will be sent via the reflector.
- Presentation requests are due Friday, 6 March 2020 AOE. Presentations are due Monday, 9 March 2020 AOE.
- Noted co-located interim on Monday, 16 March from 8am-945am. See http://schedule.802world.com/schedule/schedule/show for more Plenary schedule details.
- Noted that IEEE 802 EC meets on Thursday to discuss the plenary meeting as it relates to COVID-19. For now, there are no changes to the plenary meeting.

Presentation #1:
"100G C2C COM parameters", Phil Sun
See: http://www.ieee802.org/3/ck/public/adhoc/mar04_20/sun_3ck_adhoc_01_030420.pdf
- Discussed the changes to the CTLE settings in the results.
- Discussed the impact of the reference package length on the COM results.
- Discussed the amount of margin that c(-3) provides on the channels.

Presentation #2:
"OSFP112G 2m Cable Assembly Measurements Update ", Erdem Matoglu
See: http://www.ieee802.org/3/ck/public/adhoc/mar04_20/matoglu_3ck_adhoc_01_030420.pdf
- The channels associated with Erdem Matoglu's presentation were posted on the Task Force "tools and channels" website. (See: http://www.ieee802.org/3/ck/public/tools/index.html)
- Discussed the crosstalk results.

Chair announced that Adee Ran had a late contribution for the ad hoc. There was insufficient meeting time to hear it but it was posted to the ad hoc meeting website. (See: http://www.ieee802.org/3/ck/public/adhoc/index.html)

Presentation #3:
"The effect of adding noise and restricting DFE tap weights on TP1a measurements for 100GAUI chip to module", Mike Dudek

See: http://www.ieee802.org/3/ck/public/adhoc/mar04_20/dudek_3ck_adhoc_01_030420.pdf
- The host 3-tap TXFIR was optimized for TP1a and then not changed for the whole link analysis.
- Discussed the noise values.

Presentation #4:
"ERL Progress: The KR Channel Cases", Rich Mellitz
See: http://www.ieee802.org/3/ck/public/adhoc/mar04_20/mellitz_3ck_adhoc_01a_030420.pdf
- The delay was added to the PTDR term. Discussed the details behind it.
- The delay can be changed without modifying the COM code, only parameters.

Comment Discussion:
"Handling Open Comments", Beth Kochuparambil
See: http://www.ieee802.org/3/ck/public/adhoc/mar04_20/kochuparambil_3ck_adhoc_01_030420.pdf
- Version '01a' was used to assist in facilitating the discussion, but cannot be posted on the ad hoc page. Beth noted that '_01a_' is exactly the same as _01_ except with clips from the draft inserted where indicated. Page numbers remain intact between the two.
- Copper Cable Adaptation During Operation, Comment #10247
  - There was some discussion on the suggested remedy.
  - Chair asked participants to email her with opposition to the proposed response of "reject".

Chair reminded participants that presentation requests are due Friday, 6 March 2020 AOE. Presentations are due Monday, 9 March 2020 AOE. Also to watch for status of the March meeting announcement.

The ad hoc meeting ended at ~9:05 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
Arthur Marris	Cadence	Cadence
Beth Kochuparambil	Cisco	Cisco
Bill Kirkland	Semtech	Semtech
Brandon Wong	Samtec	Samtec
Bruce Champion	TE Connectivity	TE Connectivity
Burrell Best	Samtec	Samtec
Chien-Ping Kao	Intel	Intel
Chris DiMinico	PHY-SI	PHY-SI
Clint Walker	Alphawave IP	Alphawave IP
Cristian Filip	Mentor	Mentor
Dave Huang	Cadence	Cadence
David Malicoat	Senko	Malicoat Networking Solutions
David Piehler	Dell EMC	Dell EMC

Dominic Lapierre	Exfo	Exfo
Ed Ulrichs	Intel	Intel
Erdem Matoglu	Amphenol	Amphenol
Frank Lambrecht	Gigamon	Gigamon
Gary Nicholl	Cisco	Cisco
Geoff Zhang	Xilinx	Xilinx
Greg LeCheminant	Keysight	Keysight Technologies
Greg McSorley	Amphenol	Amphenol
Hansel Dsilva (Achronix Semiconductor)	Achronix	Achronix
Hormoz Djahanshahi	Microsemi	Microsemi
Howard Heck	Intel	Intel
Hsinho Wu	Intel	Intel
James Weaver	Arista	Arista
Jane Lim	Cisco	Cisco
Jeff Hutchins	??	??
Jeff Slavick	Broadcom	Broadcom
Jeremy Stephens	Intel	Intel
John Calvin	Keysight	Keysight
John Ewen	Globalfoundries	Globalfoundries
John Yurtin	Aptiv	Aptiv
Joshua Kihong	Hirose	Hirose
Kent Lusted	Intel	Intel

Kumaran Krishnasamy	Broadcom	Broadcom
Liav Ben-Artsi	Marvell	Marvell
Mark Gustlin	Cisco	Cisco
Mark Kimber	Samtech	Samtech
Masashi Shimanouchi	Intel	Intel
Matt Brown	Huawei	Huawei
Mau-Lin Wu	Mediatek	Mediatek
Mike Dudek	Marvell	Marvell
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
Prasad Venugopal	Arista	Arista
Rich Mellitz	Samtec	Samtec
Roberto Rodes	Finisar	Finisar
Sam Kocsis	Amphenol	Amphenol
Scott Sommers	Molex	Molex
Stephen Didde	Keysight	Keysight
Steve Sekel	Keysight	Keysight
Terry Little	Foxconn Interconnect Technology	Foxconn Interconnect Technology

Tom Palkert	Molex/Macom	Molex/Macom
Upen Kareti	Cisco	Cisco
Xiang He	Huawei	Huawei
Yasuo Hidaka	Credo	Credo
Yuchun (Louis) Lu	Huawei	Huawei