IEEE P802.3ck Ad Hoc meeting –
September 23, 2020

Prepared by Kent Lusted and Beth Kochuparambil

Proposed Agenda:

- Approval of the Agenda
- Participant reminder
  - http://www.ieee802.org/devdocs.shtml
- IEEE Copyright reminder
  - https://standards.ieee.org/ipr/index.html
- IEEE Patent Policy reminder:
  - http://www.ieee802.org/3/patent.html
- Task Force Status
- 3ck Technical Presentations* –
  - "ERL Discussion for KR and C2C" – Mau-lin Wu
  - "Concerns with Stressed Input Tests in Annex 120G" – Hadrien Louchet

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:
https://www.ieee802.org/3/ck/public/adhoc/sept23_20/agenda_092320_3ck_adhoc.pdf

The 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 agenda. No one responded. The agenda was approved by the ad hoc.

Chair noted that the minutes were posted late and would be considered for approval at the next ad hoc meeting.

Chair reminded participants of the IEEE Participation Requirements and showed the slide with the Participation requirements, the IEEE copyright policy (see: https://standards.ieee.org/ipr/index.html), and the IEEE patent policy (see: http://www.ieee802.org/3/patent.html). Chair asked if anyone was unfamiliar with any of these IEEE policies.   No one responded.   There was no response to a "Call for Patents" on the Ad Hoc.

Agenda Items

P802.3ck Update, Beth Kochuparambil
See: https://www.ieee802.org/3/ck/public/adhoc/sept23_20/agenda_092320_3ck_adhoc.pdf
- Draft 1.3 Task Force review is currently open, closing Wednesday, Sept 23rd
- Presentations that complete the comment are also due Wednesday, Sept 23rd
- Supporting presentations and consensus presentations deadline was tentatively scheduled 7 October 2020.
- Comment resolution will begin in the second half of October.
- IEEE 802.3 Working Group meeting on Thursday, 24 September. See: https://www.ieee802.org/3/email_dialog/msg01093.html
- Received a liaison from OIF regarding progress on their specifications. See: https://www.ieee802.org/3/minutes/sep20/incoming/OIF_liaison_letter_IEEE_CEI-112G_Projects_21Sept2020.pdf and http://www.ieee802.org/3/private/liaison_docs/OIF/0920_OIF_liaison_IEEE_CEI-112G_with_cover_21Sept2020.pdf   Chair asked if there was objection to deferring the response until the Task Force meeting series. No objection. It was noted that the Task Force sent a liaison with Draft 1.3 in August.
- It was noted that the Task Force intends to skip meetings on the week of 2 November due to conflicts with the OIF virtual meeting.

Presentation #1:
"ERL Discussion for KR and C2C ", Mau-Lin Wu
See: https://www.ieee802.org/3/ck/public/adhoc/sept23_20/wu_3ck_adhoc_01a_092320.pdf
- Updated version '01a' with editorial updates. No objection.
- Discussed the TX ERL reference values on slide 9.
- The package length of 31 mm was used for the TX in the analysis.

Three straw polls were requested via the presentation for consideration. Two were withdrawn.

Straw Poll #1:
I would support:
> A: Using TP0v only (removing TP0a)
> B: Using TP0v and keeping informative TP0a with similar IL and ILD as currently in draft (as is)
> C: Using TP0v and keeping TP0a with relaxed IL and ILD
> D: Going back to TP0a with relaxed IL and ILD (removing TP0v)
> E: No answer

Results: A: 14, B: 10, C: 13, D: 8 E: 14
Chair noted during Straw Poll #1 that Straw Poll #1 was Chicago Rules even though the polling tool didn't specify it.

Chair noted that the meeting may run past the announced finish time of 8:30am Pacific and asked if there was opposition. No one responded.

Presentation #2:
"Concerns with Stressed Input Tests in Annex 120G", Hadrien Louchet
See: https://www.ieee802.org/3/ck/public/adhoc/sept23_20/louchet_3ck_adhoc_01a_092320.pdf
- Updated version '01a' with technical changes. No objection
- Discussed the eye width details.
- There was a request to provide the DFE weight and single bit pulse response for the results on slide 10.
- There was a request to investigate a longer DFE on slide 12.

Chair reminded participants that Draft 1.3 review closes 23 September 2020 AoE (i.e. today). Chair reminded participants of the next Task Force ad hoc on 30 September 2020.

The ad hoc meeting ended at ~8:45 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
Arthur Marris	Cadence	Cadence
Ayal Shoval	Synopsys	Synopsys
Beth Kochuparambil	Cisco	Cisco
Bill Kirkland	Semtech	Semtech
Bruce Champion	TE Connectivity	TE Connectivity
Champion (Chien Ping) Kao	Intel	Intel
Chan Chih (David) Chen	Applied Optoelectronics	Applied Optoelectronics
Chris DiMinico	PHY-SI	PHY-SI
David Malicoat	Senko	Independent
Ed Ulrichs	Intel	Intel
Enis Akbaba	Maxim Integrated	Maxim Integrated
Frank Chang	Source Photonics	Source Photonics
Frank Lambrecht	Xilinx	Xilinx
Gary Nicholl	Cisco	Cisco
Geoff Zhang	Xilinx	Xilinx
Greg LeCheminant	Keysight	Keysight

Greg McSorley	Amphenol	Amphenol
Hadrien Louchet	Keysight	Keysight
Hansel Dsilva	Achronix	Achronix
Hao Ren	Huawei	Huawei
Howard Heck	Intel	Intel
Hsinho Wu	Intel	Intel
Jamal Riani	Inphi	Inphi
James Weaver	Arista	Arista
Jane Lim	Cisco	Cisco
Jeff Hutchins	Ranovus	Ranovus
Jeff Slavick	Broadcom	Broadcom
Jeffery Maki	Juniper	Juniper
Jim Theodoras	HG Genuine	HG Genuine
John Calvin	Keysight	Keysight
John Ewen	Marvell	Marvell
Joshua Kim	Hirose	Hirose
Kent Lusted	Intel	Intel
Kumaran Krishnasamy	Broadcom	Broadcom
Lokesh Kabra	Synopsys	Synopsys
Marika Immonen	TTM	TTM
Mark Kimber	Semtech	Semtech
Masashi Shimanouchi	Intel	Intel
Matt Brown	Huawei	Huawei

Mau-Lin Wu	Mediatek	Mediatek
Mike Dudek	Marvell	Marvell
Mike Klempa	Amphenol	Amphenol
Mike Li	Intel	Intel
Nathan Tracy	TE Connectivity	TE Connectivity
Pavel Zivny	Tektronix	Tektronix
Phil Sun	Credo	Credo
Piers Dawe	NVIDIA	NVIDIA
Pirooz Tooyserkani	Cisco	Cisco
Priyank Shukla	Synopsys	Synopsys
Rajmohan Hegde	Broadcom	Broadcom
Rich Mellitz	Samtec	Samtec
Rick Rabinovich	Keysight	Keysight
Ryan Latchman	Macom	Macom
Sam Kocsis	Amphenol	Amphenol
Scott Sommers	Molex	Molex
SJ Yu	Foxconn Interconnect	Foxconn Interconnect
Stephen Didde	Keysight	Keysight
Steve Sekel	Keysight	Keysight
Tedros Tsegaye	Innolight	Innolight
Terry Little	Foxconn Interconnect	Foxconn Interconnect
Timothy De Keulenaer	NVIDIA	NVIDIA
Tom Palkert	Macom/Samtec	Macom/Samtec

Toshiaki Sakai	Socionext	Socionext
Upen Kareti	Cisco	Cisco
Varun Garg	Keysight	Keysight
Yasuo Hidaka	Credo	Credo
Zvi Rechtman	Mellanox	Mellanox