IEEE P802.3ck Ad Hoc meeting –
October 30, 2019

Prepared by Shawn Nicholl

Proposed Agenda:

- Approval of the Agenda
- Approve 16 October 2019 ad hoc minutes
- IEEE Patent Policy reminder:
  - http://www.ieee802.org/3/patent.html
- IEEE Participation Requirements reminder
- Task Force Update
- .3ck Ad Hoc –
  - "Metrology issues for different reference receiver topologies", Greg LeCheminant & John Calvin
  - "Baseline Proposal for 100GAUI 1/200GAUI 2/400GAUI 4 C2M Reference Receiver", Phil Sun
  - "C2M simulation with proposed reference receivers ", Phil Sun

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

Meeting began at ~07:05 a.m. Pacific by Kent Lusted.

Meeting began with the agenda presentation:
http://www.ieee802.org/3/ck/public/adhoc/oct30_19/agenda_103019_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. No one responded. The agenda was approved by the ad hoc.

The ad hoc chair noted that the October 16, 2019 minutes were posted. He asked if there were corrections or modifications. No one responded. Minutes were approved by the Task Force.

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

Agenda Items

P802.3ck Update, Kent Lusted

See: http://www.ieee802.org/3/ck/public/adhoc/oct30_19/agenda_103019_3ck_adhoc.pdf

- Chair summarized the most pressing action items (100G FEC, C2M, CR) and reviewed the project timeline
- Chair indicated that the Task Force will meet week of November 11, 2019 in Waikaloa Village, HI USA.
  - See link to 802.3 schedule: https://schedule.802world.com/schedule/schedule/show
- Presentation requests are due Friday, November 1, 2019 AOE
- Presentations are due 5:00pm Pacific, November 5, 2019
- Chair reviewed the adopted baseline summary as of the September meeting
- Reminder that Draft 0.3 is still available in the private area
  - Please contact the Chair if you need the password to the private area

Presentation #1:

"Metrology issues for different reference receiver topologies", John Calvin

See: http://www.ieee802.org/3/ck/public/adhoc/oct30_19/calvin_3ck_adhoc_103019.pdf

- Discussed TDECQ optimization and correlation challenges across different test tools.
- Discussed pulse extraction method. There was a suggestion to reference Clause 85.
- Discussed real-time vs. sampling scope for these measurements.
- There was a suggestion to document the optimization method.

Presentation #2:

"Baseline Proposal for 100GAUI-1/200GAUI-2/400GAUI-4 C2M Reference Receiver", Junqing (Phil) Sun

See: http://www.ieee802.org/3/ck/public/adhoc/oct30_19/sun_3ck_adhoc_01_103019.pdf

- Discussed ERL parameters. Rich Mellitz noted that he has a forthcoming contribution with more details.
- On slide 5, there was a request to specify N_w
- On slide 5, N should be N_p to align with Clause 85.
- Discussed the proposed $b\_max(1)$ value

Presentation #3:

"C2M Simulation with Proposed Reference Receivers", Junqing (Phil) Sun

See: http://www.ieee802.org/3/ck/public/adhoc/oct30_19/sun_3ck_adhoc_02_103019.pdf

- On slide 6, the values are 6-30mm, not 2-30mm.
- Discussed the false pass and false fail parts of the plots.
- On slide 11, it should say "host package length", not "module package length"

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

List of attendees (captured from Webex tool)

Name	Company
Adam Healey	Broadcom
Alan Kinningham (I-PEX)	Ipex-Us
Alex Haser (Molex)	Molex
Ali Ghiasi	Ghiasi Quantum
Athos Kasapi	Cadence
Ayal Shoval	Synopsys
Bill Kirkland	Semtech
Brandon Gore (Samtec)	Samtec
Bruce Champion (TE)	Te
Cathy Huang	Intel
Clint	Alphawave
david malicoat	Senko
David Piehler [Dell EMC]	Dell
David Rennie	Synopsys
Dominic Lapierre (EXFO)	Exfo
Ed Frlan (Semtech)	Semtech
Fernando De Bernardinis	Esilicon
Gary Nicholl	Cisco
Greg D. Le Cheminant	Keysight
Greg McSorley	Amphenol-Highspeed

Hansel Dsilva (Achronix Semiconductor)	Achronix
Hormoz Djahanshahi	Microchip
Hsinho Wu	Intel
Inho Kim	Marvell
James Weaver	Arista
Jane Lim	Cisco
jbeecroft	Cray
jeff slavick	Broadcom
Jeff Twombly	Credo
Jeffery Maki	Juniper
Jeremy	Intel
John Calvin (Keysight)	Keysight
John Ewen	Averasemi
John Yurtin	Delphi
Juan Martinez	Ibm
Kent Lusted	Intel
Masashi	Intel
Matt Brown	Huawei
Mau-Lin Wu	Mediatek
Mike Dudek	Marvell
Nathan Tracy	Te
Phil	Credo

Piers	Mellanox
pvenugopal	Arista
RICHARD MELLITZ	Samtec
Rick Rabinovich	Keysight
scott	Molex
Scott Irwin (MoSys)	Mosys
Shawn Nicholl (Xilinx)	Xilinx
Shimon	n/a
Stephen Didde	Keysight
Steve Baumgartner (averasemi)	Averasemi
Thomas Palkert (Guest)	Molex/MACOM
Upen Reddy Kareti	Cisco
will@wilder-tech.com	Wilder-Tech
Xiang	Huawei
Yan Zhuang	Huawei
Yang Zhiwei	N/A
Yasuo Hidaka	Credo