IEEE P802.3ck Ad Hoc meeting –
March 12, 2020

Prepared by Kent Lusted and Beth Kochuparambil

Proposed Agenda:

- Approval of the Agenda
- 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
- 3ck Technical Presentations* –
  - Introduction, Kent Lusted
  - "C2M VEC with RX Noise", Phil Sun and Yasuo Hidaka
  - "C2M Methodology and Limits at TP1a, TP4, and TP5", Ali Ghiasi
  - Discussion
  - "Transmitter control for module output in the AUI-C2M interfaces", Adee Ran (time permitting)

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

Meeting began at ~08:00 a.m. Pacific by Kent Lusted.

Meeting began with the agenda presentation:
http://www.ieee802.org/3/ck/public/adhoc/mar12_20/agenda_031220_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.

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

Agenda Items

Introduction, Kent Lusted

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

- 2 big ticket items in the C2M space are blocking our progress: Ref RX & VEC w/noise
- Debating solutions need to happen offline or via the reflector as Telephonic Interims is limited.

Presentation #1:

"C2M VEC with RX Noise", Yasuo Hidaka

See: http://www.ieee802.org/3/ck/public/adhoc/feb19_20/hidaka_3ck_adhoc_01_021920.pdf

- Noted that this is a second presentation of a previous ad hoc slide deck to facilitate the discussion.
- It was clarified that the labeling of x1, x5, x10 denotes the noise level used.
- Discussion on tap weight results

Presentation #2:

"C2M Methodology and Limits at TP1a, TP4, and TP5", Ali Ghiasi

See: http://www.ieee802.org/3/ck/public/adhoc/mar12_20/ghiasi_3ck_adhoc_01_031220.pdf

- Discussion on the strength of receiver presented as required to support certain channels
- Observation of correlation of noise effects vs channel loss
- Questions regarding TP4, TP5, and TX cursor assumptions

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

List of attendees (captured from Webex tool)

Name	Company
Adam Healey	Broadcom
Adee Ran	Intel
Alan Kinningham	Ipex-Us
Alex Haser (Molex)	Molex
Ali Ghiasi	Ghiasi Quantum / Inphi
Andy Zambell	Luxshare
Beth Kochuparambil (Cisco)	Cisco
Bill Kirkland	Semtech
Champion Kao	Intel
Clint Walker	Awaveip
Ed Ulrichs	Intel
Greg LeCheminant	Keysight
Hansel Dsilva	Achronix
Howard Heck	Intel
Hsinho Wu	Intel
inho kim (Guest)	Marvell
Jane Lim	Cisco
Jeffery Maki	Juniper
Jeremy S	Microsoft

John Calvin (Keysight)	Keysight
John Ewen (Guest)	Marvell
John Yurtin APTIV	Aptiv
Kent Lusted	Intel
Kumaran Krishnasamy	Broadcom
Mark Kimber (Semtech)	Semtech
Matt Brown	Huawei
Mau-Lin Wu	Mediatek
mike klempa	Iol.Unh
Mike Li	Intel
Nathan Tracy	Te
Patrick Casher (Foxconn FIT)	Fit-Foxconn
Phil Sun	Credosemi
Piers	Mellanox
Rich	Samtec
Rick Rabinovich	Keysight
Sam Kocsis (Amphenol) (Guest)	Amphenol-Tcs
Scott Irwin	Mosys
Scott Sommers (Guest)	Molex
Masashi Shimanouchi	Intel
Stephen Didde (Guest)	Keysight
Steve Sekel (Keysight)	Keysight

Terry Little (FIT)	Fit-Foxconn
Upen Reddy Kareti	Cisco
Vittal Balasubramanian	Innovium
Yasuo Hidaka	Credosemi