

IEEE P802.3ck Ad Hoc meeting – January 6, 2021

Prepared by Kent Lusted

Proposed Agenda:

- Approval of the Agenda
- Approval of 9/30 and 12/16 Ad Hoc Minutes
- 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
- Upcoming Meetings
- 3ck Technical Presentations* –
 - “Revisit TP1a EH and VEC based on New Test Method in IEEE 802.3ck D1p4”, Mau-Lin
 - “C2M VEC and EH”, Rich Mellitz
 - “Discussion on TBDs in Annex 120G”, Mau-Lin
 - “Analysis of Common-Mode Signal at the Receiver Input”, Adee Ran

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/jan06_21/agenda_010621_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 agenda. No one responded. The agenda was approved by the ad hoc.

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/jan06_21/agenda_010621_3ck_adhoc.pdf

- Dart 1.4 review period closed. Final details are in progress and will be announced over the email reflector.
- Reviewed the requirements to go to Working Group ballot
- Draft 1.4 comment resolution series will be announced over the email reflector soon.
- Encouraged the use of the ad hoc meetings on 13 and 20 January to build consensus and discuss topics prior to comment resolution.
- Reviewed the plan to pre-submit Draft 1.5 for consideration by the Working Group at the March 2021 meeting series.
- Note that the Working Group meeting series runs 18-29 January, 2021.

Presentation #1:

“Revisit TP1a EH and VEC based on New Test Method in IEEE 802.3ck D1p4 ”, Mau-Lin Wu

See: https://www.ieee802.org/3/ck/public/adhoc/jan06_21/wu_3ck_adhoc_01_010621.pdf

- Discussed the values of M1 proposed on slide 16.
- It was noted that the data on slide 7 uses $m1=100$ and $T_O = 25$.

Presentation #2:

“C2M VEC and EH ”, Rich Mellitz

See: https://www.ieee802.org/3/ck/public/adhoc/jan06_21/mellitz_3ck_adhoc_01_010621.pdf

- Discussed the choices on slide 8

Presentation #3:

“Discussion on TBDs in Annex 120G ”, Mau-Lin Wu

See: https://www.ieee802.org/3/ck/public/adhoc/jan06_21/wu_3ck_adhoc_02_010621.pdf

- Discussed the C2M test specs proposed on slide 7. Discussed separating the short channel and long channel into different specification limits.
- Discussed the EH/VEC proposed values on slide 8.

Presentation #4:

“Analysis of Common-Mode Signal at the Receiver Input ”, Adee Ran

See: https://www.ieee802.org/3/ck/public/adhoc/jan06_21/ran_3ck_adhoc_01_010621.pdf

- Discussed if additional common-mode tests were needed in the spec.

Chair reminded participants of the next ad hoc meeting on 13 January.

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
Arthur Marris	Cadence	Cadence
Ayal Shoal	Synopsys	Synopsys
Beth Kochuparambil	Cisco	Cisco
Bill Kirkland	Semtech	Semtech
Brandon Gore	Samtec	Samtec
Bruce Champion	TE Connectivity	TE Connectivity
Champion (Chien Ping) Kao	Cornelis Networks	Cornelis Networks
Chan Chih (David) Chen	Applied Optoelectronics	Applied Optoelectronics
Chris DiMinico	PHY-SI	PHY-SI
Christian Orlando	IEEE-SA	IEEE-SA
David Malicoat	Senko	Independent
David Ofelt	Juniper	Juniper
Frank Chang	Source Photonics	Source Photonics
Gary Nicholl	Cisco	Cisco
Geoff Zhang	Xilinx	Xilinx

Hansel Dsilva	Achronix	Achronix
Hormoz Djahanshahi	Microchip	Microchip
Howard Heck	Intel	Intel
Inho Kim	Max Linear	Max Linear
Istvan BakroNagy	EFFECT Photonics	EFFECT Photonics
James Weaver	Arista	Arista
Jane Lim	Cisco	Cisco
Jeff Hutchins	Ranovus	Ranovus
Jeff Slavick	Broadcom	Broadcom
Jeffery Maki	Juniper	Juniper
John Calvin	Keysight	Keysight
John Ewen	Marvell	Marvell
John Yurtin	Aptiv	Aptiv
Joshua Kim	Hirose	Hirose
Kent Lusted	Intel	Intel
Kumaran Krishnasamy	Broadcom	Broadcom
Liav Ben-Artzi	Marvell	Marvell
Mark Kimber	Semtech	Semtech
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	Foxconn Interconnect
Phil Sun	Credo	Credo
Piers Dawe	NVIDIA	NVIDIA
Rajmohan Hegde	Broadcom	Broadcom
Rich Mellitz	Samtec	Samtec
Rick Rabinovich	Keysight	Keysight
Sam Kocsis	Amphenol	Amphenol
Scott Sommers	Molex	Molex
SJ Yu	Foxconn Interconnect	Foxconn Interconnect
Stephen Didde	Keysight	Keysight
Steve Sekel	Keysight	Keysight
Steve Trowbridge	Nokia	Nokia
Terry Little	Foxconn Interconnect	Foxconn Interconnect
Timothy De Keulenaer	NVIDIA	NVIDIA
Tom Palkert	Macom/Samtec	Macom/Samtec
Tom Thompson	IEEE SA	IEEE SA
Toshiaki Sakai	Socionext	Socionext
Upen Kareti	Cisco	Cisco
Xiang He	Huawei	Huawei
Yasuo Hidaka	Credo	Credo
Zvi Rechtman	Mellanox	Mellanox