

IEEE P802.3ck Plenary meeting – March 23, 2022

Prepared by Kent Lusted and Beth Kochuparambil

Proposed Agenda:

- Approval of the Agenda
- Approval of March 9 “ad hoc” minutes
- IEEE Participation Requirements reminder
- IEEE Copyright reminder
- IEEE Patent Policy reminder
- Task Force Status
- Technical Presentations
 - “COM 3.70 with 3.1 Configuration Updates, Fixes, and Exploratory Features including Package/Die Load Ladder”, Rich, Mellitz
 - “Equalization effects on Transmitter specifications”, Adee Ran
 - (late) “Comment 184 (EH change in 120G-Table 10 impact on VEC)”, John Calvin

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

Meeting began at ~07:00 a.m. Pacific by Beth Kochuparambil. (All times recorded are Pacific timezone, unless otherwise stated.)

Meeting began with the agenda presentation:

https://www.ieee802.org/3/ck/public/adhoc/mar23_22/agenda_032322_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. She also indicated that attendance was to be taken via webex participant’s list for the purpose of the minutes.

Presented the proposed agenda. Chair noted that John Calvin made a late request for presentation and Chair asked if there was objection to seeing the late presentation. No one responded. Chair also noted that John also indicated to be first on the agenda. Chair asked if there was objection to the revised ordering. No one responded. Chair asked if there was modification or opposition to the agenda. No one responded. The agenda was approved.

The minutes for the 9 March 2022 meeting were posted to the website. (see:

https://www.ieee802.org/3/ck/public/adhoc/mar09_22/minutes_030922_3ck_adhoc.pdf) Chair

asked if there were modifications or corrections to the posted minutes. No one responded. Minutes were approved.

Chair reviewed the slide with the Participation requirements.

Chair asked if anyone participating had not read the copyright slide set – no one responded. Chair showed the IEEE-SA copyright slides.

Chair asked if anyone participating had not read the patent slide set – no one responded. Chair showed the patent policy slides and made a call for Potentially Essential Patents – no one responded.

Chair reviewed the ground rules.

Chair called for members of the press. No one responded.

Agenda Items

P802.3ck Status, Beth Kochuparambil

See: https://www.ieee802.org/3/ck/public/adhoc/mar23_22/agenda_032322_3ck_adhoc.pdf

- Draft 3.1 was currently out for review. The ballot closes on 29 March.
- The draft can be found on the TF website private area. (see: <https://www.ieee802.org/3/ck/private/index.html>)
- Reviewed the proposed D3.1 comment resolution meeting schedule on slide 22.

Presentation #1:

“Comment 184 (EH change in 120G-Table 10 impact on VEC)”, John Calvin

See: https://www.ieee802.org/3/ck/public/adhoc/mar23_22/calvin_3ck_adhoc_01_032322.pdf

- Discussed the data on slide 2.

Straw Poll #1:

I support making a change to address the EH change from 10 mv to 8v (draft 3.0, comment 184)

- a. Yes (explore changes, examples: return EH to 10mv or otherwise)
- b. No (leave it at 8mV)
- c. need more information

Results: A: 30, B: 4, C: 7

Presentation #2:

“COM 3.70 with 3.1 Configuration Updates, Fixes, and Exploratory Features including Package/Die Load Ladder”, Rich Mellitz

See: https://www.ieee802.org/3/ck/public/adhoc/mar23_22/mellitz_3ck_adhoc_01_032322.pdf

- On slide 3, the term “VIM” in “VIP_to_VIM_IL_df_at_Fnq” should be “VMP” It would be fixed in a future revision of COM.
- It was noted that “SNR_TX” on slide 3 was incorrect as well as other editorial corrections. Author to send updated version “01a”.
- COM tool is posted to TF tool page at <https://www.ieee802.org/3/ck/public/tools/index.html#tools>

Presentation #3:

“Equalization effects on Transmitter specifications ”, Adee Ran

See: https://www.ieee802.org/3/ck/public/adhoc/mar23_22/ran_3ck_adhoc_01_032322.pdf

- On slide 5, discussed the equalization dependencies.

Chair reminded participants of the open ballot for Draft 3.1. Presentations with graphs or text changes should be submitted through the balloting tool. Other presentations would be due, 4 April, 2022 AOE.

Chair noted that the next meeting was scheduled for 30 March, 2022. See details on IEEE 802.3 call and meeting calendar (<https://www.ieee802.org/3/calendar.html>) .

Meeting ended at ~9:00 a.m. Pacific.

List of attendees (captured from Webex tool)

Name	Affiliation	Employed by
Adam Healey	Broadcom	Broadcom
Adee Ran	Cisco	Cisco
Alex Haser	Molex	Molex
Alexander Rysin	NVIDIA	NVIDIA
Ali Ghiasi	Ghiasi Quantum/Inphi	Ghiasi Quantum/Inphi
Beth Kochuparambil	Cisco	Cisco
Bill Simms	NVIDIA	NVIDIA
Brandon Gore	Samtec	Samtec
Cheng Chen	Infinera	Infinera
Dan Cunio	Huawei	Huawei
David Cassan	Alphawave IP	Alphawave IP
David Malicoat	Senko	Independent
Denz Choe	BeCe	BeCe
Enis Akbaba	Analog Devices	Analog Devices
Eugene Opsasnick	Broadcom	Broadcom
Frank Chang	Source Photonics	Source Photonics
Geoff Zhang	Xilinx	Xilinx
Hadrien Louchet	Keysight	Keysight
Henry Poelstra	Teledyne	Teledyne
Hessam Mohajeri	Independent	Independent
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 Slavick	Broadcom	Broadcom
Jeffery Maki	Juniper	Juniper
Jinhua Chen	Luxshare ICT	Luxshare ICT
John Calvin	Keysight	Keysight
John Ewen	Marvell	Marvell
Joshua Kim	Hirose	Hirose
Karl Bois	NVIDIA	NVIDIA
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
Megha Shanbhag	TE Connectivity	TE Connectivity
Mike Connaughton	Leviton	Leviton
Mike Davis	Sicoya	Sicoya
Mike Dudek	Marvell	Marvell
Mike Klempa	Amphenol	Amphenol
Nathan Tracy	TE Connectivity	TE Connectivity

Pavel Zivny	Tektronix	Tektronix
Pavel Zivny	Tektronix	Tektronix
Phil Sun	Credo	Credo
Piers Dawe	NVIDIA	NVIDIA
Pirooz Toyserkani	Cisco	Cisco
Raymond Nering	Cisco	Cisco
Rich Mellitz	Samtec	Samtec
Rick Rabinovich	Keysight	Keysight
Robert Wu	Infinera	Infinera
Ryan Bepalko	Alphawave IP	Alphawave IP
Sam Kocsis	Amphenol	Amphenol
Shaul Benhaim	Huawei	Huawei
Stephen Didde	Keysight	Keysight
Steve Sekel	Wilder Tech	Wilder Tech
Terry Little	Foxconn Interconnect	Foxconn Interconnect
Tobey PR Li	Mediatek	Mediatek
Tom Palkert	Macom/Samtec	Macom/Samtec
Toshiaki Sakai	Socionext	Socionext
Upen Kareti	Cisco	Cisco
Varun Garg	Keysight	Keysight
Yang Zhiwei	ZTE	ZTE
Yasuo Hidaka	Credo	Credo
Zhiwei Yang	ZTE	ZTE

