

IEEE P802.3ck Interim meeting – January 12, 2022

Prepared by Kent Lusted

Proposed Agenda:

- Approval of the Agenda
- IEEE Patent Policy reminder
- IEEE Copyright reminder
- IEEE Participation Requirements reminder
- Task Force Status
- Next Steps
- Technical Presentation (posted)
 - “Common Mode Comment Support”, Rich Mellitz
 - “Table 162C-3 MDI connector contact mapping”, Kent Lusted
 - “Discrepancies between SNDR/SNR_TX in Tx specification, Rx test calibration, and COM”, Ade Ran
 - “Section: 163.9.3.5 Receiver interference tolerance”, John Calvin

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

Meeting began at ~07:03 a.m. Pacific by Beth Kochuparambil. (All times recorded are Pacific time zone, unless otherwise stated.)

Meeting began with the agenda presentation:

https://www.ieee802.org/3/ck/public/adhoc/jan12_22/agenda_011222_3ck_adhoc.pdf

Chair noted that the meeting was part of the IEEE 802.3 January 2022 interim meeting series.

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.

Chair noted that the attendance for the IEEE 802.3 Working Group would be taken from the IEEE Meeting Attendance Tool. (see: <http://imat.ieee.org>)

Presented the proposed agenda. Chair asked if there was modification or opposition to the agenda. No one responded. The agenda was approved by the ad hoc.

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

Chair reviewed the slide with the Participation requirements.

Chair reviewed the ground rules.

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

Agenda Items

P802.3ck Update, Beth Kochuparambil

See: https://www.ieee802.org/3/ck/public/adhoc/jan12_22/agenda_011222_3ck_adhoc.pdf

- Completed initial SA ballot. Received 238 comments from 20 commenters.
- Received comments are posted to the Task Force website. (See: <https://www.ieee802.org/3/ck/comments/index.html>)
- Presentations for comments are due Monday, 17 January AOE.
- Reviewed the proposed comment resolution schedule. There was a request to keep 3 hour meetings on 1-2 February.
- Noted that the contributions received to date with comments were posted to the Task Force webpage. (see: https://www.ieee802.org/3/ck/public/22_01/index.html)

Presentation #1:

“Common Mode Comment Support”, Rich Mellitz

See: https://www.ieee802.org/3/ck/public/adhoc/jan12_22/mellitz_3ck_adhoc_01_011222.pdf

- Discussed the options on slide 8.
- Discussed various aspects of proposal 1 on slide 4.

Presentation #2:

“Table 162C-3 MDI connector contact mapping”, Kent Lusted

See: https://www.ieee802.org/3/ck/public/22_01/lusted_3ck_01_0122.pdf

Chair asked the participants to experiment with the polling function in the virtual meeting tool. The poll inputs were only a test.

Presentation #3:

“Discrepancies between SNDR/SNR_TX in Tx specification, Rx test calibration, and COM”, Adee Ran

See: https://www.ieee802.org/3/ck/public/22_01/ran_3ck_01_0122.pdf

- Reviewed the possible changes to the draft shown on slide 10.
- Discussed the proposed values for SNDR and SNR_TX on slide 10.

Chair received an updated presentation from John Calvin with 4 additional slides with more supporting information. Chair asked if there was an objection to the updated presentation. No one responded.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for IEEE 802.3 Working Group attendance credit.

Presentation #4:

“Section: 163.9.3.5 Receiver interference tolerance”, John Calvin

See: https://www.ieee802.org/3/ck/public/22_01/calvin_3ck_01a_0122.pdf

- Updated version ‘01a’
- Discussed the options on slide 5 and some paths forward to resolve the issue described in the presentation.

Chair reminded participants of the IEEE 802.3 January interim series attendance requirements.

Chair noted that she intends to bring liaison proposals to the IEEE 802.3 Working Group interim closing meeting for consideration. The liaisons are based on D3.1 readiness and contingent approvals are needed due to timing of the IEEE 802.3 meeting with the recipients.

Chair reminded participants of the next Task Force meeting on 19 January. See

<https://www.ieee802.org/3/calendar.html>

Straw Poll #1:

From calvin_3ck_01a_0122, I would support the direction:

- option a (in certain situations, increase DJ to increase ADD)
- option b (in certain situations, measure and convert J3u and Jrms)
- either
- neither
- need more information
- abstain

Results: A: 18, B: 6, C: 2, D: 1, E: 7, F: 11

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
Alan Kinningham	I-PEX	I-PEX
Alex Haser	Molex	Molex
Ali Ghiasi	Ghiasi Quantum/Inphi	Ghiasi Quantum/Inphi
Anand RK	Cadence	Cadence
Andy Jimenez	Anixter	Anixter
Arthur Marris	Cadence	Cadence
Ayla Chang	Huawei	Huawei
Beth Kochuparambil	Cisco	Cisco
Bill Simms	NVIDIA	NVIDIA
Bob Grow	RMG Consulting	RMG Consulting
Brandon Gore	Samtec	Samtec
Brian Welch	Cisco	Cisco
Bruce Champion	TE Connectivity	TE Connectivity
Cameron Whiteman	Infinera	Infinera
Chad Jones	Cisco	Cisco
Champion (Chien Ping) Kao	Cornelis Networks	Cornelis Networks
Chan Chih (David) Chen	Applied Optoelectronics	Applied Optoelectronics
Chris DiMinico	PHY-SI	PHY-SI

Dave Estes	Spirent	Spirent
Dave Hess	Cord Data	Cord Data
David Malicoat	Senko	Independent
David Piehler	Dell EMC	Dell EMC
Dawei Fan	Huawei	Huawei
Earl Parsons	CommScope, Inc.	CommScope, Inc.
Ed Frlan	Semtech	Semtech
Ed Ulrichs	Intel	Intel
Edward Nakamoto	Spirent	Spirent
Enis Akbaba	Analog Devices	Analog Devices
Eugene Opsasnick	Broadcom	Broadcom
Frank Chang	Source Photonics	Source Photonics
Geoff Zhang	Xilinx	Xilinx
Gergely Huszak	KONE	KONE
Guangcan Mi	Huawei	Huawei
Hansel Dsilva	Achronix	Achronix
Hao Ren	Huawei	Huawei
Hessam Mohajeri	Cadence	Cadence
Hideki Isono	Fujitsu Optical	Fujitsu Optical
Howard Heck	Intel	Intel
Istvan BakroNagy	EFFECT Photonics	EFFECT Photonics
James Weaver	Arista	Arista
Jane Lim	Cisco	Cisco

Jeff Slavick	Broadcom	Broadcom
Jeffery Maki	Juniper	Juniper
Jerry Pepper	Keysight	Keysight
Jim Theodoras	HG Genuine	HG Genuine
Jinhua Chen	Luxshare ICT	Luxshare ICT
Jodi Haasz	IEEE SA	IEEE SA
John Calvin	Keysight	Keysight
John D'Ambrosia	Futurewei (US Subsidiary of Huawei)	Futurewei
John Ewen	Marvell	Marvell
Joshua Kim	Hirose	Hirose
Kae Dube	UNH-IOL	UNH-IOL
Karen Liu	Nubis Communications	Nubis Communications
Karl Bois	NVIDIA	NVIDIA
Kent Lusted	Intel	Intel
Kumaran Krishnasamy	Broadcom	Broadcom
Liav Ben-Artzi	Marvell	Marvell
Mabud Choudhury	OFS	OFS
Mark Kimber	Semtech	Semtech
Mark Nowell	Cisco	Cisco
Matt Brown	Huawei	Huawei
Mau-Lin Wu	Mediatek	Mediatek
Mike Davis	Sicoya	Sicoya

Mike Dudek	Marvell	Marvell
Mike Li	Intel	Intel
Mike Tu	Broadcom Corporation	Broadcom Corporation
Nathan Tracy	TE Connectivity	TE Connectivity
Pavel Zivny	Tektronix	Tektronix
Peter Jones	Cisco	Cisco
Peter Wu	Marvell	Marvell
Phil Sun	Credo	Credo
Piers Dawe	NVIDIA	NVIDIA
Pirooz Toyserkani	Cisco	Cisco
Priyank Shukla	Synopsys	Synopsys
Ramesh Sivakolundu	Cisco	Cisco
Rich Boyer	Aptiv	Aptiv Signal and Power Solutions
Rich Mellitz	Samtec	Samtec
Rick Rabinovich	Keysight	Keysight
Ruoxu Wang	Huawei	Huawei
Ryan Bepalko	Alphawave IP	Alphawave IP
Scott Sommers	Molex	Molex
Shayan Shahramian	Alphawave	Alphawave
Shimon Muller	Axalume	Axalume
Steve Sekel	Wilder Tech	Wilder Tech
Tao Hu	Marvell	Marvell

Ted Sprague	Infinera	Infinera
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
Valerie Maguire	The Siemon Company	The Siemon Company
Varun Garg	Keysight	Keysight
Xiang He	Huawei	Huawei
Yasuaki Kawatsu	Apresia Systems	Apresia Systems
Yasuo Hidaka	Credo	Credo