

IEEE P802.3ck Telephonic Interim meeting –

April 22, 2020

Prepared by Kent Lusted

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
- Ground Rules and operations reminder
- Next Steps for 3ck
- Comment Resolution
 - Bucket Comments
 - Cable Assembly COM
 - DFE: #136
 - Floating Taps: #148, 10151, 160
 - PCB: #40, 41, 10016, 10017, 10018
 - CR TX Characteristics
 - SNDR: #65
 - SNRTX: #64
 - Backplane
 - COM: #68, 139
benartsi_3ck_01_0320
 - TP0a Measurement: 30 (cross clause to C2C: #35)
 - Test Fixture: 31, 32 (out of the IR bucket)
 - ran_3ck_01_0320
 - TX Characteristic: #58
 - Channel: #39
 - RX Jitter Tol: #33 (cross clause to C2C: #36)
 - C2C
 - TP0a Measurement: #35
 - RX Jitter Tol: #36
 - RX Interference Tol: #78, 156
 - CR other
 - healey_3ck_01_0320
 - Ref Clk: #73 (cross clause to be applied to 120F, 120G, 162, 163)
 - ran_3ck_04_0320
 - 2nd Postcursor: #57
 - Quadrature Jitter: #10252 (out of the IR bucket)

Presentations posted at: http://www.ieee802.org/3/ck/public/20_03/index.html

Meeting began at ~07:00 a.m. Pacific by Beth Kochuparambil.

Meeting began with the agenda presentation:

http://www.ieee802.org/3/ck/public/20_03/agenda_3ck_06_0320.pdf

The 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 were objections or modifications to the agenda. No one responded.

Motion #1:

Move to approve the agenda.

M: Mike Dudek

S: Tom Palkert

Motion passed by voice without opposition

Chair reminded participants of the IEEE patent policy. She asked if anyone was unfamiliar with the IEEE patent policy. (See: <http://www.ieee802.org/3/patent.html>) No one responded. Chair made the call for patents. No one responded.

Reminded participants of the IEEE copyright policy. She 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. She asked people to leave the call if unwilling to abide by this policy.

Chair reviewed the expectations and ground rules for the telephonic interim meetings.

Agenda Items

P802.3ck Update, Beth Kochuparambil

See: http://www.ieee802.org/3/ck/public/20_03/agenda_3ck_06_0320.pdf

- Reviewed the adjusted schedule for the Task Force.
- Chair noted that there was a request to remove all of the comments from the IR bucket. These comments will be addressed on the meeting floor.
- Chair noted that there were still >80 comments open for Task Force discussion. Reviewed and discussed several possible next steps forward. Chair noted that she would be driving the Task Force towards the “green” path that has Draft 1.2 in mid-May 2020.

- She intends to announce a series of ad hocs that follow the March telephonic interims.

Chief Editor reviewed the announced comment list per slide 5 in http://www.ieee802.org/3/ck/public/20_03/agenda_3ck_06_0320.pdf

Chair reviewed the rules for voting in telephone interim meetings.

Motion #2:

Move to:

- Adopt the proposed responses for the “bucket” comments in 8023ck_D1p1_comments_v3_proposed_NCbucket.pdf and 8023ck_D1p1_comments_v2_proposed_NCbucket2.pdf

M: Matt Brown

S: Adee Ran

Technical ($\geq 75\%$)

Results: passed by unanimous consent

In the discussion of motion #2, it was noted that the file 8023ck_D1p1_comments_v3_proposed_NCbucket.pdf was posted to the website after the start of the meeting, but that v3 is a duplicate of v2 minus the 8 comments requested out of the bucket in the 8 April meeting (see:

http://www.ieee802.org/3/ck/public/20_03/minutes_3ck_05_0320_unapproved.pdf)

Comment resolution began.

Howard Heck, the CR Clause Editor, provided a summary of comments related to CA COM. (see http://www.ieee802.org/3/ck/public/20_03/heck_3ck_01_0320.pdf)

Straw Poll #1: (direction check on KR DFE RSS, comment 160)

I support setting the DFE floating tap tail root-sum-of-squares number to:
(Chicago rules)

A: 0.02

B: 0.025

C: 0.03

A: 16 B: 11 C: 9

Straw Poll #2: (Copper Cable SNDR)

For use of closing comment #65. Details in the comment database.

Yes: 19 No: 12

Phil Sun, the KR Clause Editor, provided a summary of comments. (see http://www.ieee802.org/3/ck/public/20_03/sun_3ck_02_0320.pdf)

Liav Ben-Artzi withdrew comments #30, #31, and #35. He asked participants interested in the topic to contact him.

Chair noted that Matt Brown withdrew comment #50.

Chair noted that the Task Force received a Liaison from OIF providing updated drafts that would be posted to the March meeting website. The Task Force would need to consider a response on May 6th.

Chair noted that less than 20 comments were completed during the call. She encouraged participants to build consensus offline and thru ad hoc meetings.

The telephonic interim ended at ~10:10 am Pacific.

List of attendees (captured from Webex tool)

Name	Affiliation	Employed by
Adam Healey	Broadcom	Broadcom
Adee Ran	Intel	Intel
Alex Haser	Molex	Molex
Ali Ghiasi	Ghiasi Quantum/Inphi	Ghiasi Quantum/Inphi
Arthur Marris	Cadence	Cadence
Ayal Shoval	Synopsys	Synopsys
Beth Kochuparambil	Cisco	Cisco
Biman Chattopadhyay	Synopsys	Synopsys
Brandon Gore	Samtec	Samtec
Bruce Champion	TE Connectivity	TE Connectivity
Chan Chih (David) Chen	Applied Optoelectronics	Applied Optoelectronics
Chris DiMinico	PHY-SI	PHY-SI
Clint Walker	Alphawave IP	Alphawave IP
David Malicoat	Senko	Independent
David Ofelt	Juniper	Juniper
Ed Frlan	Semtech	Semtech
Enis Akbaba	Maxim Integrated	Maxim Integrated
Frank Chang	Source Photonics	Source Photonics
Gary Nicholl	Cisco	Cisco
Geoff Zhang	Xilinx	Xilinx
George Luk	Credo	Credo

Greg LeCheminant	Keysight	Keysight Technologies
Greg McSorley	Amphenol	Amphenol
Hormoz Djahanshahi	Microchip	Microchip
Howard Heck	Intel	Intel
Inho Kim	Marvell	Marvell
James Weaver	Arista	Arista
Jane Lim	Cisco	Cisco
Jeff Slavick	Broadcom	Broadcom
Jeffery Maki	Juniper	Juniper
Jeremy Stephens	Microsoft	Microsoft
John Calvin	Keysight	Keysight
John Ewen	Marvell	Marvell
Joshua Kim	Hirose	Hirose
Kent Lusted	Intel	Intel
Liav Ben-Artzi	Marvell	Marvell
Majid Shayegh	Wilder Tech	Wilder Tech
Matt Brown	Huawei	Huawei
Mau-Lin Wu	Mediatek	Mediatek
Mike Dudek	Marvell	Marvell
Mike Klempa	UNH-IOL	UNH-IOL
Mike Li	Intel	Intel
Nathan Tracy	TE Connectivity	TE Connectivity
Patrick Casher	Foxconn Interconnect Tech	Foxconn Interconnect Tech

Phil Sun	Credo	Credo
Piers Dawe	Mellanox	Mellanox
Pirooz Toyserkani	Cisco	Cisco
Qing Xu	Ranovus	Ranovus
Rajesh Radhamohan	Max Linear	Max Linear
Ray Schmelzer	Wilder Tech	Wilder Tech
Rich Mellitz	Samtec	Samtec
Rick Rabinovich	Keysight	Keysight
Sam Kocsis	Amphenol	Amphenol
Scott Irwin	Mosys	Mosys
Scott Sommers	Molex	Molex
Stephen Didde	Keysight	Keysight
Steve Sekel	Keysight	Keysight
Steve Trowbridge	Nokia	Nokia
Tao Hu	Marvell	Marvell
Terry Little	Foxconn Interconnect Technology	Foxconn Interconnect Technology
Tom Palkert	Molex/Macom	Molex/Macom
Toshiaki Sakai	Socionext	Socionext
Upen Kareti	Cisco	Cisco
Xiang He	Huawei	Huawei
Yasuo Hidaka	Credo	Credo