IEEE P802.3ck Telephonic Interim meeting –
March 25, 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
- Ground Rules and operations reminder
- Comment Resolution
    - Request for reconsideration of Comment #56
    - Request for reconsideration of Comment #48
    - Request for reconsideration of Comment #157
    - C2M Reference Rx
        - ghiasi_3ck_01_0320 (TP1A only)
        - Ref RX Arch: #10156
        - b(1:4) limits: #113, 140, 154*, 11*
        - Eta_0 value: #115, 149, 154*, 11*
        - Procedure: #137, 10066
        - Directional Strawpoll on VEC
        - VEC: 96 (will close if direction is clear), 154*, 11*
        - *multi-topic comments
    - CR General
        - ran_3ck_adhoc_01_031120 (slide 10)
        - TX Characteristics: #62, 63, 74
        - ran_3ck_04
        - TX Equalizer: #57
        - ghiasi_3ck_03 (slide 6)
        - CM to Diff RL: #130
    - C2M General
        - ghiasi_3ck_03 (slide 10)
        - Host Diff to CM RL: #124
        - Host jitter: #108, 10063
        - Module jitter: #107
        - Module fixture: #110
    - 163 KR
        - COM TBD (Tr): #67, 155
    - 162 CA
        - COM TBD (Tr): #66

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

Meeting began at ~07:05 a.m. Pacific by Beth Kochuparambil.

Meeting began with the agenda presentation:
http://www.ieee802.org/3/ck/public/20_03/agenda_3ck_02_0320.pdf
The proposed comment agenda for this interim was emailed as well as posted online:
http://www.ieee802.org/3/ck/public/20_03/agenda_3ck_02_0320mini.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: Jim Weaver
S: Adee Ran
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 for the telephonic interim meetings.

Agenda Items

Chair noted that there were 3 requests to reopen comments from the last meeting: comments #56, #48, #157. Chair provided an overview of the 3 comments. Chair noted that there were objections to reopen #56 and #48. Piers withdrew his requests to reopen #56 and #48.

Chair summarized the discussion from the closing of comment #157 at the last meeting. Chair noted that the request was to reopen.   Chair noted that several people supported reopening the comment. Chair stated that she would hold a straw poll to gauge support to reopen, simple majority rules. Chair reiterated the procedure for reopening a comment.

Straw Poll #1:
I support reopening comment #157.
yes: 18
no: 14
abstain: 13

Chair stated that comment #157 would be reopened based on the results of Straw Poll #1.

Vice Chair noted that there were technical issues with the Chief Editor's system. Chair asked if there was objection to changing the order of the agenda to hear Ali Ghiasi's first contribution before the discussion on comment #157. No one responded.

Chair noted that she received an updated 01a contribution from Ali Ghiasi for consideration. Chair asked if there was an objection. No one responded.

Presentation #1:
"C2M Methodology and Limits at TP1a, TP4, and TP5",   Ali Ghiasi
See: http://www.ieee802.org/3/ck/public/20_03/ghiasi_3ck_01a_0320.pdf
   ● Updated presentation with a consensus proposal for TP1a
   ● It was noted that the changes were to the proposal on slide 13.

Comment resolution began with comment #157.

Straw Poll #2: (direction check on C2M DFE for comment #113)
I support setting bmax(1:4) as follows:
A: {0.4,0.15,0.15,0.15}
B: {0.4,0.15,0.1,0.1}
C: leave TBD
Chicago rules.
A: 18,   B:17,   C:4

Straw Poll #3: (direction check on C2M DFE for comment #113)
I support setting bmax(1:4) as follows:
A: {0.4,0.15,0.15,0.15}
B: {0.4,0.15,0.1,0.1}

Comment resolution ended.

Chair noted that comment resolution progress was slow and reminded participants to prepare in advance. Also noted that next the 30 March 3ck telephonic interim would focus on ERL. Also noted that the 1 April call was extended by 60 minutes.

The telephonic interim 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
Alex Haser	Molex	Molex
Ali Ghiasi	Ghiasi Quantum/Inphi	Ghiasi Quantum/Inphi
Andy Zambell	Luxshare-ICT	Luxshare-ICT
Arthur Marris	Cadence	Cadence
Beth Kochuparambil	Cisco	Cisco
Brandon Gore	Samtec	Samtec
Bruce Champion	TE Connectivity	TE Connectivity
Burrell Best	Samtec	Samtec
Champion Kao	Intel	Intel
Chan Chih (David) Chen	Applied Optoelectronics	Applied Optoelectronics
Chris DiMinico	PHY-SI	PHY-SI
Clint Walker	Alphawave IP	Alphawave IP
Dave Hess	Cord Data	Cord Data
David Malicoat	Senko	Malicoat Networking Solutions
David Ofelt	Juniper	Juniper
David Rennie	Synopsys	Synopsys
Ed Frlan	Semtech	Semtech

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
Hansel Dsilva	Achronix	Achronix
Hormoz Djahanshahi	Microchip	Microchip
Howard Heck	Intel	Intel
James Weaver	Arista	Arista
James Young	Commscope	Commscope
Jane Lim	Cisco	Cisco
Jeff Slavick	Broadcom	Broadcom
Jeffery Maki	Juniper	Juniper
John Calvin	Keysight	Keysight
John Ewen	Marvell	Marvell
Kent Lusted	Intel	Intel
Kumaran Krishnasamy	Broadcom	Broadcom
Lance Thompson	Finisar	Finisar
Leon Bruckman	Huawei	Huawei
Liav Ben-Artsi	Marvell	Marvell
Lisa Ward	Rohde-Schwarz	Rohde-Schwarz
Mark Kimber	Semtech	Semtech

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
Phil Sun	Credo	Credo
Piers Dawe	Mellanox	Mellanox
Pirooz Tooyserkani	Cisco	Cisco
Ray Schmelzer	Wilder Tech	Wilder Tech
Rich Mellitz	Samtec	Samtec
Rick Rabinovich	Keysight	Keysight
Sam Kocsis	Amphenol	Amphenol
Scott Sommers	Molex	Molex
Stephen Didde	Keysight	Keysight
Steve Sekel	Keysight	Keysight
Steve Trowbridge	Nokia	Nokia
Tao Hu	Marvell	Marvell
Ted Sprague	Infinera	Infinera
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
Yekutiel Uliel	Intel	Intel
Zvi Rechtman	Mellanox	Mellanox