

IEEE P802.3ck Ad Hoc meeting – July 10, 2019

Prepared by Kent Lusted and Beth Kochuparambil

Proposed Agenda:

- Approval of the Agenda
- Approve 26 June 2019 ad hoc minutes
- IEEE Patent Policy reminder:
 - <http://www.ieee802.org/3/patent.html>
- IEEE Participation Requirements reminder
- Logistics for July Plenary meeting
- Status of the Task Force
- .3ck Ad Hoc –
 - “Backplane Reference Receiver Baseline”, Howard Heck
 - “C2C 10 dB Channel”, Rick Rabinovich
 - “C2M TP1a/TP4 Methodology”, Phil Sun

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

Meeting began at ~7:00 a.m. Pacific by Beth Kochuparambil.

Meeting began with the agenda presentation:

http://www.ieee802.org/3/ck/public/adhoc/july10_19/agenda_071019_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.

Reminded participants of the IEEE Participation Requirements and showed the slide with the Participation requirements. She asked if anyone was unfamiliar with the IEEE Participation Requirements. No one responded.

Presented the proposed agenda. She noted that she received a late request from Mike Li that would push the call beyond the forecasted duration. She asked if there was objection. No one responded. The agenda was approved by the ad hoc.

Chair noted that the June 26, 2019 minutes were posted. She asked if there were corrections or modifications. No one responded. Minutes were approved by the Task Force.

Reminded participants of the IEEE patent policy. She asked if anyone was unfamiliar with the IEEE patent policy. No one responded.

Agenda Items

P802.3ck Update, Beth Kochuparambil

See: http://www.ieee802.org/3/ck/public/adhoc/july10_19/agenda_071019_3ck_adhoc.pdf

- Task Force will meet week of July 15, 2019 in Vienna, Austria. Meeting Tuesday-Thursday.
- Presentations are due Wednesday, July 10, 2019 at 5pm Pacific.
- Goal: adopt baselines and prepare for draft 1.0.
- Chair cautioned participants to focus on baseline adoption to reduce the potential schedule impact.

Presentation #1:

“C2C 10 dB Channel”, Rick Rabinovich

See: http://www.ieee802.org/3/ck/public/adhoc/july10_19/rabinovich_3ck_adhoc_01a_071019.pdf

- Updated version ‘01a’ with technical changes. No objection.
- It was noted that Pass vs. fail is determined by a value set in the spreadsheet. The value needs to be investigated.
- Reviewed the COM spreadsheet values. The reference receiver used in the analysis was a 12tap DFE.
- The channel contains an AC-coupling element to emulate a connector.

Presentation #2:

“Backplane Reference Receiver Baseline”, Howard Heck

See: http://www.ieee802.org/3/ck/public/adhoc/july10_19/heck_3ck_adhoc_01a_071019.pdf

- It was noted that the <29dB channel set includes the <28dB channels.
- Chair noted that the entire presentation will not be given in the ad hoc due to time constraints.
- Discussed the termination proposal recommendation.

Chair noted that there will not be time to review the late presentation and stay within the announced meeting duration. Chair announced that the late presentation from Mike Li was posted to the website at http://www.ieee802.org/3/ck/public/adhoc/july10_19/li_3ck_adhoc_01_071019.pdf for participants to review.

Presentation #3:

“C2M TP1a/TP4 Methodology”, Phil Sun

See: http://www.ieee802.org/3/ck/public/adhoc/july10_19/sun_3ck_adhoc_01_071019.pdf

- Discussed the need to use the Annex 120E method to refine the VEC numbers for the specification.

Chair announced that IEEE 802.3ck draft 0.2 had been posted to the Task Force private area. Please contact the Chair or Vice Chair for the access information.

Chair reviewed a few details on accessing the conference center at the Plenary in Vienna, Austria.

Chair reminded participants that the Plenary presentations are due by 5pm Pacific, July 10 (today).

The ad hoc meeting ended at ~8:40 a.m. 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
Alex Levin	Microsoft	Microsoft
Amanda Dong	Xilinx	Xilinx
Andy Zambell	Amphenol	Amphenol
Athos Kasapi	Cadence	Cadence
Beth Kochuparambil	Cisco	Cisco
Bill Kirkland	Semtech	Semtech
Brandon Gore	Samtec	Samtec
Bruce Champion	TE Connectivity	TE Connectivity
Burrell Best	Samtec	Samtec
Clint Walker	Alphawave IP	Alphawave IP
David Malicoat	Senko	Malicoat Networking Solutions
David Rennie	Synopsys	Synopsys
Derek Cassidy	BT	BT
Dominic Lapierre	Exfo	Exfo
Geoff Zhang	Xilinx	Xilinx

Greg McSorley	Amphenol	Amphenol
Howard Heck	Intel	Intel
Hsinho Wu	Intel	Intel
Inho Kim	Marvell	Marvell
Jayen Desai	Intel	Intel
Jeff Slavick	Broadcom	Broadcom
Jeff Twombly	Credo	Credo
Jeffery Maki	Juniper	Juniper
John D'Ambrosia	Futurewei (US Subsidiary of Huawei)	Futurewei
John Ewen	Globalfoundries	Globalfoundries
Jon Beecroft	Cray	Cray
Kent Lusted	Intel	Intel
Kumaran Krishnasamy	Broadcom	Broadcom
Liav Ben-Artzi	Marvell	Marvell
Marika Immonen	TTM	TTM
Mark Kimber	Samtech	Samtech
Masashi Shimanouchi	Intel	Intel
Mike Dudek	Cavium	Cavium
Mike Li	Intel	Intel
Nathan Tracy	TE Connectivity	TE Connectivity
Phil Sun	Credo	Credo

Piers Dawe	Mellanox	Mellanox
Pirooz Tooyserkani	Cisco	Cisco
Raymond Nering	Cisco	Cisco
Rich Mellitz	Samtec	Samtec
Rick Rabinovich	Keysight	Keysight
Rita Horner	Synopsys	Synopsys
Shimon Muller	Axalume	Axalume
Stephen Hamblin (Spectra7)	Spectra7	Spectra7
Steve Baumgartner	Global Foundries	Global Foundries
Takeshi Nishimura	Yamaichi Electronics, USA	Yamaichi Electronics, USA
Tom Palkert	Molex/Macom	Molex/Macom
Tony Zortea	Mellanox	Mellanox
Yan Zhuang	Huawei	Huawei
Yasuo Hidaka	Credo	Credo
Yuchun(Louis) Lu	Huawei	Huawei
Zvi Rechtman	Mellanox	Mellanox