

IEEE P802.3ck Ad Hoc meeting – December 4, 2019

Prepared by Shawn Nicholl and Kent Lusted

Proposed Agenda:

- Approval of the Agenda
- Approve October 30 2019 Ad Hoc Minutes
- 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
- Task Force Status
- .3ck Technical Presentations* –
 - “Comment Entry Tutorial” – Matt Brown
 - “COM 2.76 Update” – Rich Mellitz
 - “CR ERLmin proposal” – Rich Mellitz
 - “802.3ck Chip-to-Module TP1a/TP4 Compliance Test Measurement Methodology” – Mike Li

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

Meeting began at ~07:05 a.m. Pacific by Kent Lusted.

Meeting began with the agenda presentation:

http://www.ieee802.org/3/ck/public/adhoc/dec04_19/agenda_120419_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.

Chair indicated that the adhoc agenda includes several presentations that were leftover from the November Plenary meeting. Chair thanked the presenters (Rich Mellitz and Mike Li) for allowing their presentations to be deferred in the interest of making progress on motions during the November Plenary meeting.

Presented the proposed agenda. No one responded. The agenda was approved by the ad hoc.

The ad hoc chair noted that the October 30, 2019 minutes were posted. He asked if there were corrections or modifications. No one responded. Minutes were approved by the Task Force.

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

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

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

Agenda Items

P802.3ck Update, Kent Lusted

See: http://www.ieee802.org/3/ck/public/adhoc/dec04_19/agenda_120419_3ck_adhoc.pdf

- Chair provided status and highlighted the progress made by the Task Force during the November Plenary meeting
- Chair indicated that the Task Force has directed the Editorial Team to generate Draft 1.0
- Task Force will meet week of January 20, 2020 in Geneva, Switzerland
 - Exact 802.3ck schedule is subject to approval, and is tentatively Tues-Thurs
 - Chair noted that schedule confirmation is expected to come in early January
- Requests for presentations will be due approximately 10 days in advance (exact date is currently unknown). Presentation will be due approximately 7 days in advance (exact date is currently unknown). The details would be announced over the reflector
- At the January, the Task Force will be focused on comment resolution of Draft 1.0 and hearing presentations on open items that exist in the draft.

Presentation #1:

“Comment Entry Tutorial”, Matt Brown on behalf of Pete Anslow

See: http://www.ieee802.org/3/cn/public/19_01/p802d3_comment_entry_tutorial_v1p1.pdf

- Chair noted that the slides were recently presented to P802.3cn by Pete Anslow
- The presenter indicated that the presentation is also publicly available at the following URL:
 - See: http://www.ieee802.org/3/ballots/p802d3_comment_entry_tutorial_v1p1.pdf
- The preferred method for providing the comments is Comment Entry Spreadsheet
- There was discussion about the handling of Unsatisfied Comments. This topic is not relevant for Task Force ballots. It will be relevant for Working Group and beyond.
- There was discussion about what text is in scope for comment resolution. There was discussion that the scope varies throughout the project. At times it is the entire draft, while at other times it is only the text that changed since the last ballot.

Presentation #2:

“COM 2.76 Update”, Rich Mellitz

See: http://www.ieee802.org/3/ck/public/adhoc/dec04_19/mellitz_3ck_adhoc_01b_120419.pdf

- Presenter provided an overview of the latest changes to the COM spreadsheet
- Chair noted the the latest COM Spreadsheet can be found on the [Tools and Channels](http://www.ieee802.org/3/ck/public/tools/tools/mellitz_3ck_adhoc_01_120419_COM2p76.zip) website at http://www.ieee802.org/3/ck/public/tools/tools/mellitz_3ck_adhoc_01_120419_COM2p76.zip

Presentation #3:

“CR ERLmin proposal”, Rich Mellitz

See: http://www.ieee802.org/3/ck/public/19_11/mellitz_3ck_02a_1119.pdf

- On Slides 14 and 15, it was noted that there is an annotation error. Presenter indicated an intention to provide an updated set of slide (version 02a).
- Discussion on approaches for Vf_min module output.

Presentation #4:

“802.3ck Chip-to-Module TP1a/TP4 Compliance Test Measurement Methodology” , Masashi Shimanouchi on behalf of Mike Li

See: http://www.ieee802.org/3/ck/public/19_11/li_3ck_02_1119.pdf

- Slide 10, discussion about whether the standard should specify how the DFE is applied.
- Slide 3, discussion about the procedure and whether or not to enable noise filter in the scope
- Slide 9, clarification that for the calculation of DFE coefficients it is following the COM methodology
- Slide 3, discussion about whether or not eye height should be used as the parameter of optimization

The ad hoc meeting ended at ~9:00 am Pacific.

List of attendees (captured from Webex tool)

Name	Company
Adam Healey	broadcom
Adee Ran	intel
Alan Kinningham (I-PEX)	ipex-us
Alex Haser (Molex)	molex
Ali Ghiasi	Ghiasi Quantum, Inphi
Athos Kasapi	cadence
Beth Kochuparambil	cisco
Bill Kirkland	semtech
Bo Zhang	inphi
Bruce Champion (TE)	te
Champion Kao	intel
Clint Walker	awaveip
david malicoat	Senko
David Rennie	synopsys
Dominic Lapierre (EXFO)	exfo
Ed Frlan (Semtech)	semtech
Frank Chang	SourcePhotonics
Gary Nicholl	cisco
Geoff Zhang (Guest)	xilinx
Greg LeCheminant	keysight

Hansel Dsilva (Achronix Semiconductor)	achronix
Hormoz Djahanshahi	microchip
Howard Heck	intel
Hsinho Wu	intel
Inho Kim	marvell
James Weaver	arista
Jane Lim	cisco
Jeff Twombly	credosemi
Jeremy S	microsoft
John Calvin (Keysight)	keysight
John Ewen	marvell
John Yurtin APTIV	aptiv
joshua Kim	hirose-gl
Kent Lusted	intel
liav ben-artsi	marvell
Mark Gustlin (Cisco)	cisco
Mark Kimber (Semtech)	semtech
Masashi	intel
Matt Brown	huawei
Mau-Lin Wu	mediatek
Nathan Tracy	te
Nish. Takeshi	yeu

Phil Sun	credosemi
Piers	mellanox
Rajmohan Hegde	broadcom
Rich Mellitz (Samtec)	samtec
Rick Rabinovich	keysight
Rita Horner	synopsys
Robert Summers	maximintegrated
Sam Kocsis (Amphenol) (Guest)	amphenol-tcs
Scott Irwin (MoSys)	mosys
Shawn Nicholl (Xilinx)	xilinx
Stephen	keysight
Steve Sekel (Keysight)	keysight
Steve Trowbridge	nokia
Tao	marvell
Thomas Palkert (Guest)	Molex/Macom
Will	wilder-tech
Xiang He	huawei
yanbin	intel
Yasuo Hidaka	credosemi
Yuchun Lu	huawei
Zhiwei Yang	zte

