

IEEE P802.3cd Ad Hoc meeting – May 16, 2018

Prepared by Kent Lusted

Proposed Agenda:

- Approve agenda
- Approve 9 May 2018 ad hoc minutes
- Patent reminder
 - <http://www.ieee802.org/3/patent.html>
- Participant reminder
- P802.3cd TF
 - TF update - Mark Nowell (10 mins)
 - “ERL update” – Mike Dudek (20 mins)
 - “TDECQ and SRS” – Piers Dawe (20 mins)
 - “Tx constraints” – Jonathan King (20 mins)
 - “100GBASE-DR: GoldenEye” – Marco Mazzini (20 mins)

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

Meeting began at ~8:00 a.m. Pacific by Kent Lusted.

Meeting began with the agenda presentation:

http://www.ieee802.org/3/cd/public/adhoc/archive/agenda_051618_3cd_adhoc.pdf

The ad hoc chair reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes. He reminded participants to mute lines when not speaking and reviewed the steps to unmute.

Showed the links to the IEEE P802.3cd Task Force ad hoc page and the email reflector.

Presented the proposed agenda and asked if there was objection as written. The agenda was approved by the ad hoc.

Asked if there were comments regarding the posted minutes of the last ad hoc meeting. No one responded. The minutes were approved by the ad hoc.

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 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

P802.3cd Task Force update, Mark Nowell

- TF will meet at the May interim on Tuesday and Wednesday; week of May 21, 2018.
- Kent will be chairing the Task Force during the interim meeting in Mark's absence.
- Presentations should be posted today.
- There are many presentation requests to review during the meeting as well as comments to close. Reviewed three potential approaches to complete the work next week; the current plan is to use option 1 as the primary and option 2 as the fallback plan. Presenters will be asked to focus on the areas of the presentation related to closing comments.
- Editorial team is working on the proposed comment responses. Expect to post the proposed comment responses on 17 May.

Kent noted that the meeting announcement extended the meeting duration from 60 minutes to 90 minutes.

Presentation #1:

"ERL and System performance for 50GBASE-CR" – Mike Dudek

See: http://www.ieee802.org/3/cd/public/adhoc/archive/dudek_051618_3cd_adhoc.pdf

- Discussed the characteristics of Cavium CA2 cable assembly.
- Discussed the Pmax/Vf ratios on page 19.
- Mike also noted that there is Host RX content related to other comments for discussion in the interim meeting.

Presentation #2:

"TDECQ and SRS" – Piers Dawe

See: http://www.ieee802.org/3/cd/public/adhoc/archive/dawe_051618_3cd_adhoc.pdf

- It was noted that there is forthcoming data related to the FR/LR transmit characteristics on slide 16.
- Discussed the residual eye closure penalty on slide 18.

Presentation #3:

"TX constraints" – Jonathan King

See: http://www.ieee802.org/3/cd/public/adhoc/archive/king_051618_3cd_adhoc.pdf

- Discussed improvements to the text proposed on slide 8 for the proposed rise and fall times.
- Discussed the RIN and SRS relationship on slide 9.

Presentation #4:

"100GBASE-DR: GoldenEye" – Marco Mazzini

See: http://www.ieee802.org/3/cd/public/adhoc/archive/mazzini_051618_3cd_adhoc.pdf

- There reference waveforms are posted to the ad hoc website. Pete Anslow noted that the pattern is inverted. Marco agreed to investigate.
- It was noted that the transmitter is a 1310nm silicon photonics device.

*** A free drink to the first person to let the Task Force Chair know they've read this ***

The ad hoc meeting ended at ~9:30 a.m. Pacific.

List of attendees (captured from Webex tool)

Name	Company
Adam Healey	broadcom.com
Adee Ran	intel.com
Alex	microsoft.com
Alexander Rysin	mellanox.com
Ali Ghiasi	n/a
Anand A (Mxl)	maxlinear.com
Andre Szczepanek	n/a
Andy Zambell	n/a
Arthur Marris	cadence.com
Arturo (TE)	te.com
Beth Kochuparambil	cisco.com
bill kirkland	semtech.com
Chien-Ping Kao	intel.com
David Chen (AOI)	ao-inc.com
David Malicoat	senko, aquantia
Enis Akbaba	lumentum.com
Fernando De Bernardinis (eSilicon)	esilicon.com
Frank	n/a
Gary Nicholl	cisco.com
Gianpiero Bognanni	sourcephotonics
Hai-Feng Liu	intel.com
Jane Lim	cisco.com
Jeff Slavick	broadcom.com
Jeffery Maki	juniper.net
John Ewen	globalfoundries
John Johnson	broadcom.com
jonathan	finisar.com
Karen Liu	kaia.com
Kenneth Jackson (Sumitomo)	sei-device.com
Kent Lusted	intel.com
Kumaran Krishnasamy	broadcom.com
Marco Mazzini	cisco.com
Mark Kimber (Semtech)	semtech.com
Mark Nowell	cisco.com
martin white	cavium.com
Mike Dudek	cavium.com
Nathan Tracy (TE)	te.com
Pavel	tektronix.com
Peter Anslow	ciena.com

peter stassar	huawei.com
Phil Sun	credosemi.com
Piers	mellanox.com
pirooz tooyserkani	cisco.com
Raj Hegde	broadcom.com
Raymond Nering	cisco.com
rhorer	synopsys.com
RICHARD MELLITZ	samtec.com
Rick Rabinovich	keysight.com
Rita Horner	synopsys.com
Rob Guzzon	juniper.net
Ryan Lott (Spectra7)	spectra7.com
Salvatore Rotolo	st.com
Scott Sommers	molex.com
Stephen Didde	keysight.com
Steve Sekel (Keysight)	keysight.com
Steve Trowbridge (Nokia)	nokia.com
Tao	cavium.com
Tom Mitcheltree	n/a
Tom Palkert	n/a
Toshiaki Sakai (Socionext)	socionext.com
Upen Kareti	cisco.com
Vittal Balasubramanian	innovium.com
Yasuo Hidaka (Independent)	n/a