IEEE P802.3cd Ad Hoc meeting –
January 17, 2018

Prepared by Kent Lusted

Proposed Agenda:

- Approval of the Agenda
- Approval of the Jan 10 minutes
- IEEE patent policy reminder:
  - http://www.ieee802.org/3/patent.html
- IEEE Participation Requirements reminder
- P802.3cd TF Ad Hoc –
  - P802.3cd Task Force Update, Mark Nowell (5 min)
  - "Proposal to modify the SRS test for 100GBASE-DR", David Lewis (15 mins)
  - "TDECQ : RLM and threshold adjust", Jonathan King (20 mins)
  - "SECQ", Scott Schube (20 mins)
  - "Jitter considerations for 100GAUI-2 with 100GBASE-DR, comments i-61 and i-115", Adee Ran (45 mins)

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

Meeting began at ~8:05 a.m. Pacific by Kent Lusted.

Meeting began with the agenda presentation:
http://www.ieee802.org/3/cd/public/adhoc/archive/agenda_011718_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.

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
- There are 17 presentation requests for the interim meeting.
- Two tracks on Monday and Tuesday at the meeting.
- Monday morning ITU registration desk opens at 8:30 a.m., not 8:00 a.m. as previously communicated. Please pre-register to expedite the process.
- Meeting at January 2018 interim, week of Jan 22. Plan to address comments and generate D3.1.
- Chair received several liaison letters that need response at the interim meeting. The liaisons are all available in the private area: http://www.ieee802.org/3/cd/private/index.html   Chair asked if people could take a moment to review the MEF liaison and the draft they shared. Chair does not think the technical details are highly relevant to this group but there are a number of references to the IEEE specifications that the TF may want to review and check for accuracy.
- Proposed comment responses are posted on the website. (See: http://www.ieee802.org/3/cd/comments/index.html)
- Early registration for the March plenary is Friday, January 26, 2018.

Presentation #1:
"Proposal to modify the SRS test for 100GBASE-DR", David Lewis
See: http://www.ieee802.org/3/cd/public/adhoc/archive/lewis_011718_3cd_adhoc.pdf
- The presentation references comment i-78.
- Discussed the SRS curves on slide 8.
- Author is waiting for permission to share data that illustrates the problem.
- It was recommended by the editor to provide that the IEEE text such as an equation.

Presentation #2:
"TDECQ : RLM and threshold adjust", Jonathan King
See: http://www.ieee802.org/3/cd/public/adhoc/archive/king_011018_3cd_adhoc.pdf
- Discussed the graphs of Q penalty vs. RLM on slide 8 as it relates to eye compression.
- Continued discussing the relationship of Q penalty vs. RLM to the data shared by other participants.

Presentation #3:
"SECQ Test Method and Calibration Improvements", Scott Schube
See: http://www.ieee802.org/3/cd/public/adhoc/archive/schube_011718_3cd_adhoc.pdf
- The eye diagrams on slide 3 are from simulation.
- Author indicated that some DSP vendors expressed concern with the noise amounts in the current specification.

- There was a request to get the waveforms from the presentation for offline analysis. Scott will check it.
- It was noted that the authors should review the Frank Chang contribution TDECQ analysis.

Presentation #4:
"Jitter considerations for 100GAUI-2 with 100GBASE-DR, comments i-61 and i-115", Adee Ran
See: http://www.ieee802.org/3/cd/public/adhoc/archive/ran_011718_3cd_adhoc.pdf
- Discussed the benefits and impacts of a cleaning PLL.
- It was noted that the jitter will be broadband, not a specific frequency, as assumed on slide 5.

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

The ad hoc meeting ended at ~10 a.m. Pacific.

List of attendees (captured from Webex tool)

Name	Company
Adam Healey	broadcom.com
Adee Ran	intel.com
Akinori Hayakawa	jp.fujitsu.com
Ali Ghiasi	n/a
Anand A (Mxl)	maxlinear.com
Andrew Kim (Spectra7)	spectra7.com
Arthur Marris	cadence.com
Beth Kochuparambil	cisco.com
bill Kirkland	semtech.com
C Samoila	semtech.com
Chad Erven	semtech.com
chengson	juniper.net
ChienPing Kao (Intel)	intel.com
Dave	marvell.com
Dave Lewis (Lumentum)	lumentum.com
David Malicoat (Senko)	senko.com
Ed Ulrichs	sourcephotonics
Erika Crosby	cisco.com
Fernando De Bernardinis (eSilicon)	esilicon.com
Frank Chang	inphi.com
Gary Nicholl	cisco.com
Hai-Feng Liu	intel.com
Howard Heck	intel.com
Jane Lim	cisco.com
Jeff Slavick	broadcom.com
John Ewen	globalfoundries
John Johnson	broadcom.com
jonathan	finisar.com
Jonathan Ingham	foit-foxconn.co
Kent Lusted	intel.com
Kumaran Krishnasamy	broadcom.com
Marco	cisco.com
Marco Vitali	sicoya.com
mark	juniper.net
Mark Kimber (Semtech)	semtech.com
Mark Nowell	cisco.com
martin white	cavium.com
Matt Brown	macom.com
Megha Shanbhag	te.com

Peter Anslow	ciena.com
peter stassar	huawei.com
Phil Sun	credosemi.com
Piers	mellanox.com
Rajmohan Hegde	broadcom.com
RICHARD MELLITZ	samtec.com
Rick Rabinovich	keysight.com
salvatore rotolo	st.com
Scott	intel.com
Steve Sekel	keysight.com
T.SAKAI	socionext.com
Vittal Balasubramanian	innovium.com
Will Bliss	broadcom.com
Xianyun Meng	juniper.net
Yang Zhiwei	zte.com.cn
Yasuo Hidaka (Independent)	independent