

IEEE P802.3cd Ad Hoc meeting – October 26, 2016

Prepared by Kent Lusted

Proposed Agenda:

- Approval of the Agenda
- Approval of the October 19 minutes
- IEEE patent policy reminder:
 - <http://www.ieee802.org/3/patent.html>
- P802.3cd TF Ad Hoc –
 - Task Force Update, Kent Lusted (10 min)
 - “100GBASE-DR Link Budget Considerations”, Hai-Feng Liu (20 mins)
 - “FEC based AM unlock”, Mark Gustlin (20 mins)
 - “PMD BER requirements”, Pete Anslow (45 mins)
 - “Effect of Package Trace and Termination Resistance on Tx Specification”, Yasuo Hidaka (20 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_101916_3cd_adhoc.pdf

Kent reviewed the Attendance information related to the ad hoc. He reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes. He reminded participants to mute their lines when not speaking and reviewed the steps to unmute.

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

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

Kent asked if there were comments regarding the posted minutes for the October 19 ad hoc meeting. No one responded.

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

P802.3cd Agenda Items

Task Force Update, Kent Lusted:

- D1.0 is published. On behalf of the Task Force Chair, Kent thanked the editor team for their hard work to deliver the draft.
- D1.0 private area access details were shared last week on the ad hoc call. Kent asked if anyone needed the access details. No one responded.
- Chair asked participants to focus their review on TBD items. Please use the comment tool or the spreadsheet for comments. A presentation on the use of the comment tool was given last week. (see http://www.ieee802.org/3/ballots/p802d3_comment_entry_tutorial_v1p0.pdf)
- November meeting announcement went out over the email reflector. See: <http://www.ieee802.org/3/cd/email/msg00083.html>
- Meeting will be all-day Wednesday and Thursday morning due to overlap with the P802.3bs project.
- Presentation requests are due Oct 28. Presentations are due November 1.

Presentation #1:

“100GBASE-DR Link Budget Considerations”, Hai-Feng Liu

See: http://www.ieee802.org/3/cd/public/adhoc/archive/liu_102616_3cd_adhoc.pdf

- Discussed the total power budget as it relates to TDECQ and the MPI penalty. There was a concern that TDECQ value may not be the best value.
- There was a request to add details with the number of reflectance points.
- Discussed various impacts to the loss penalty and ways to document it in the specification.
- There was a request by Peter Stassar to document the specific changes for the editor to implement.

Presentation #2:

“FEC based AM unlock”, Mark Gustlin

See: http://www.ieee802.org/3/cd/public/adhoc/archive/gustlin_102616_3cd_adhoc_v2.pdf

- Updated presentation with modifications targeting the P802.3cd draft 1.0
- Discussed the need for the optional state machine change in CI 91; there are already implementations in the field.
- The reference point for OTN includes the AMs. Issue originated in P802.3bj.

Presentation #3:

“PMD BER requirements”, Pete Anslow

See: http://www.ieee802.org/3/cd/public/adhoc/archive/anslow_102616_3cd_adhoc.pdf

- Presenting at the request of Matt Brown to review a contribution on the PMD BER requirements.
- Discussed the impact of burst errors on the DERO and BER target for CR and KR clauses (slide 6)
- Debated ways to measure the FEC symbol error rate as it relates to the Frame Loss Ratio (FLR) on slide 6 & slide 7.

Kent noted that the next ad hoc meeting is scheduled for 2 November. Details will be announced over the ad hoc reflector.

Presentation #4:

“Effect of Package Trace and Termination Resistance on Tx Specification”, Yasuo Hidaka

See: http://www.ieee802.org/3/cd/public/adhoc/archive/hidaka_102616_3cd_adhoc.pdf

- Presentation does not currently represent consensus to make a change.
- Discussed the importance of the issue and the need for further study.

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

The ad hoc meeting ended at ~10:00 a.m. Pacific.

List of attendees (captured from Webex tool)

Tom Palkert	visi
Dave Lewis	lumentum
Kenneth Jackson	sei-device
Tim Pak	luxshare-ict
Gary Nicholl	cisco
Kohichi	oclaro
Peter Jones	s
Adee Ran	intel
T.SAKAI	socionext
Yasuo Hidaka	us.fujitsu
Jeff slavick	broadcom
David Law	ieee.org
Tom Issenhuth	microsoft
Rick Pimpinella	panduit
Tom McDermott	us.fujitsu
Rick Rabinovich	ixiacom
RICHARD MELLITZ	samtec
Mark Gustlin	xilinx
will bliss	broadcom
Tom Issenhuth	microsoft
Hai-Feng Liu	intel
Flavio Marques	furukawa
Vittal Balasubramani	dell
Peter Anslow	ciena
Karen Liu	kaiaam
Phil Sun	credosemi
Tongtong Wang	huawei
Jing Fang	marvell
Robin Mathew	cisco
Marc Dupuis	webindustries
Megha Shanbhag	te
Mike Dudek	cavium
martin white	cavium
Rick Pimpinella	panduit
kent lusted	intel
James Fife	etopus

John Ewen	globalfoundries
Ali Ghiasi	Ghiasi Quantum
peter stassar	huawei
Rob Stone	broadcom
Erdem Matoglu - Amphenol	amphenol-tcs
david malicoat	hpe
Howard Heck	intel
Raymond Nering	cisco
Isabel DeSousa	ca.ibm
Rajmohan Hegde	broadcom
Matt Brown	apm
Bill Kirkland	semtech
Paul Mooney	spirent
Matt Brown	apm
Kumaran Krishnasamy	broadcom
anil Mehta	brocade
jonathan king	finisar
Rita Horner	synospys
Oded Wertheim	mellanox
Zhenyu Liu	credosemi
Jason Ellison (Siemon)	siemon
John Dillard	microsemi
John Nelson	arista
yizhaoping	h3c
scott sommers	molex
Bianca Dillinger	?
Upen	cisco
penny slim	?
Jane Lim	cisco
Mike Peng Li	intel
Anand A	maxlinear