

## IEEE P802.3cd Ad Hoc meeting – June 8, 2016

Prepared by Kent Lusted

### Proposed Agenda:

- Approval of the Agenda
- IEEE patent policy reminder:
  - <http://www.ieee802.org/3/patent.html>
- P802.3cd Task Force Ad Hoc
  - Study Group Update, Kent Lusted
  - “Baseline proposals for copper twinaxial cable specifications”, Chris Diminico
  - “Cl73 AN Proposal”, Jeff Slavick
  - “System and Compatibility Considerations for 50G AUIs”, Rob Stone
  - “New Objectives & 802.3CD PAR / CSD”, John D’Ambrosia

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

Meeting began at 8:03 a.m. Pacific by Kent Lusted.

Meeting began with the agenda presentation:

[http://www.ieee802.org/3/cd/public/adhoc/archive/agenda\\_060816\\_3cd\\_01a\\_adhoc.pdf](http://www.ieee802.org/3/cd/public/adhoc/archive/agenda_060816_3cd_01a_adhoc.pdf)

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

Kent Lusted presented the proposed agenda and asked if there was objection as written. There was a request from Chris Diminico to go first due to a conflict. No one objected. The agenda was approved by the ad hoc.

Kent reminded participants of the IEEE patent policy.

## P802.3cd Agenda Items

### Task Force Update, Kent Lusted:

- Task Force adopted new objectives at the May 2016 interim meeting. full list at [http://www.ieee802.org/3/cd/P802d3cd\\_objectives\\_v2.pdf](http://www.ieee802.org/3/cd/P802d3cd_objectives_v2.pdf)
- Next Task Force meeting is the July 2016 Plenary in San Diego. Meeting registration is open.
- Next P802.3cd ad hoc meeting is June 22, 2016.
- There is a P802.3bs ad hoc meeting on June 15, 2016 to review the Arabic nomenclature proposal. Details were sent to the P802.3bs TF reflector.

Kent allocated 40 minutes for the presentation and 5 minutes for the Q&A.

### Presentation #1:

“Baseline proposals for copper twinaxial cable specifications”, Chris Diminico

See: [http://www.ieee802.org/3/cd/public/May16/diminico\\_3cd\\_01\\_0516.pdf](http://www.ieee802.org/3/cd/public/May16/diminico_3cd_01_0516.pdf)

- Discussed that the dashed line is at the end of the connector diagrams on slide 7.
- Discussed the origin of the maximum cable assembly IL. Chris started with the loss data from the surveymonkey poll.
- Author noted that the presentation assumes two MDIs: QSFP28 and SFP28.
- Discussed the need to specify an MDI for the two-lane 100 Gb/s. It was assumed to be a depopulated QSFP28, but needs further consideration.

### Presentation #2:

“CI73 AN Proposal”, Jeff Slavick

See: [http://www.ieee802.org/3/cd/public/adhoc/archive/slavick\\_060816\\_3cd\\_01a\\_adhoc.pdf](http://www.ieee802.org/3/cd/public/adhoc/archive/slavick_060816_3cd_01a_adhoc.pdf)

- There was a request to separate out the 40G-CR4 and 40G-KR4 entries on slide 6 into 2 rows as shown in Table 73-5 from P802.3by.
- It was noted that the P802.3cb project is also modifying the table to add 2.5G and 5.0G entries.
- Discussed the assumption of RS-FEC as non-negotiable for these PHY types.

Kent allocated 20 mins for the next presentation.

### Presentation #3:

“System and Compatibility Considerations for 50G AUIs”, Rob Stone

See: [http://www.ieee802.org/3/cd/public/adhoc/archive/stone\\_060816\\_3cd\\_01a\\_adhoc.pdf](http://www.ieee802.org/3/cd/public/adhoc/archive/stone_060816_3cd_01a_adhoc.pdf)

- It was noted that the 25G/50G consortium specification is expected to become public in the second half of 2016. This is the motivation for classification “A2” on slide 4.
- Much discussion on the proposed classification options on slide 4 and the market need for them, specifically early adopters such as test equipment vendors.

### Presentation #4:

“New Objectives & 802.3CD PAR/CSD”, John D’Ambrosia

See: [http://www.ieee802.org/3/cd/public/adhoc/archive/dambrosia\\_060816\\_3cd\\_01a\\_adhoc.pdf](http://www.ieee802.org/3/cd/public/adhoc/archive/dambrosia_060816_3cd_01a_adhoc.pdf)

- Updated presentation '01a' with typo correction
- It was noted that the TF can consider any and all baseline proposals and if the TF selects proposals that are not consistent with the current project documentation, then a change to the project document will be necessary. Consistency is determined at the discretion of the working group.
- David Law reviewed the process to make changes to the CSD.

The next ad hoc call will be on June 22, 2016.

The ad hoc meeting ended at 9:59 a.m. Pacific.

### List of attendees (captured from Webex tool)

Name	Company
Alexey Frolov	aquantia
Andy Zambell (Amphenol)	amphenol
anil mehta	brocade
Arthur Marris (Cadence)	cadence
Arturo Pachon (TE)	te
Baltazar Vieira CCO	n/a
Brandon Chen	te
chris diminico	MC Communications
Chris Roth (Molex)	molex
Dale Murray - LightCounting	lightcounting
dan dillow (amphenol)	fci
Daniel Koehler	morethanip
David Law	hpe
David Malicoat	hpe
David Ofelt	juniper.net
Eric Baden (Broadcom)	broadcom
Fernando De Bernardinis (Mrvl)	marvell
Gary Nicholl	cisco
Gianpiero Bognann	cisco
Henry Chen	broadcom
Jacky Chang	hpe
Jane Lim	cisco
Jason Ellison	n/a
Jason Kvoski	cisco
Jeff Slavick	broadcom
JIM NADOLNY	samtec
Jing Fang	marvell
John D'Ambrosia	FutureWei
John Dillard	microsemi
John Ewen	globalfoundries
John Nelson	arista
Kenneth Jackson	sei-device
kent lusted (intel)	intel
kumaran krishnasamy	broadcom
Marco Mazzini	cisco
Mark Gustlin	xilinx

martin white	caviumnetworks
Matt Brown (APM)	apm
Mike Dudek	qlogic
Mike Li	altera
Nathan Tracy	te
Oded Wertheim	mellanox
Paul Mooney	spirent
Peter Anslow	ciena
Peter Stassar	huawei
Phil Sun	credosemi
Piers Dawe	mellanox
Raj Hegde	broadcom
Rich Mellitz	intel
Rick Pimpinella	panduit
Rick Rabinovich	ixiacom
Rita Horner	synopsys
Rob Stone	broadcom
Ron Muir	jae
scott sommers	molex
T.SAKAI	socionext
Tao	qlogic
Tom Issenhuth	microsoft
Tom McDermott	us.fujitsu
Tom Palkert	macom
Venu B (Marvell)	marvell
Vittal Balasubramani	dell
Wheling Cheng	ericsson
Yasuo Hidaka	us.fujitsu
yizhaoping	h3c
Zhenyu Liu	credosemi
Zvi Rechtman	mellanox