

## IEEE P802.3cd Ad Hoc meeting – Aug 31st, 2016

Prepared by Matt Brown

### Proposed Agenda:

- Approval of the Agenda
- Approval of the July 20 minutes
- IEEE patent policy reminder:
  - <http://www.ieee802.org/3/patent.html>
- P802.3cd Task Force Ad Hoc
  - Task Force Update, Mark Nowell
  - “802.3cd Next Steps”, Mark Nowell
  - “Towards adopting an 802.3cd Baseline for 50G Backplane and DAC”, Upen Reddy Kareti

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

Meeting began at ~8:15 a.m. Pacific by Matt Brown.

Meeting began with the agenda presentation:

[http://www.ieee802.org/3/cd/public/adhoc/archive/agenda\\_070616\\_3cd\\_01a\\_adhoc.pdf](http://www.ieee802.org/3/cd/public/adhoc/archive/agenda_070616_3cd_01a_adhoc.pdf)

Matt 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.

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

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

Matt asked if there were comments regarding the posted minutes for the July 20 ad hoc meeting. No one responded.

Matt Brown 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, Mark Nowell:

- Next Task Force meeting is the September 2016 Interim in Fort Worth.
- Meeting Wednesday to Friday. Meeting will start right after 802.3bs and no later than 1pm
- Expect many people to be leaving in the afternoon on Friday so hope to have important work done by ~1PM on Friday.
- Presentation request deadline is Friday. Contribution deadline on Tuesday but chair will try and be lenient as it is Labor Day holiday on Monday in North America.

### Presentation #1:

"802.3cd Next Steps" Mark Nowell

See: [http://www.ieee802.org/3/cd/public/adhoc/archive/nowell\\_083116\\_3cd\\_adhoc.pdf](http://www.ieee802.org/3/cd/public/adhoc/archive/nowell_083116_3cd_adhoc.pdf)

- Reviewed current adopted and approved objectives.
- Noted issues with adoption of baselines for 100G SMF objections.
- Showed three possible ways forward.
- Explored path to change 500 m SMF objective to 100G per lambda to support 400G-DR4 breakout.
- Would like to understand if there is support for this direction.
- Discussion:
  - Some statements that 2:1 breakout not interesting.
  - 2:1 breakout fiber cabling is a problem due to connector conversion; technically trivial.
  - Noted .3bs has similar compromise having 400GBASE-DR4 100G/lambda and 50G/lambda for 2 km and 10 km.
  - Suggestion to retain 2 km objective for 2x50G. Comment that because this is WDM it would be for point-to-point not breakout.
  - For 100GBASE-DR, would like lowest cost possible and would like compatibility with 400GBASE-DR4.

### Presentation #2:

"Towards adopting an 802.3cd Baseline for 50G Backplane and DAC", Upen Reddy Kareti

See: [http://www.ieee802.org/3/cd/public/adhoc/archive/kareti\\_083116\\_3cd\\_adhoc.pdf](http://www.ieee802.org/3/cd/public/adhoc/archive/kareti_083116_3cd_adhoc.pdf)

- Summarizes agreements at offline meetings on this subject.
- Models are as measured. Channels are near typical.
- Models do not include BGA pad/via. Work offline.
- General agreement that proposal is sufficient for baseline.

The next ad hoc call is Wednesday September 7. This is the last ad hoc prior to the Interim meeting.

\*\*\* A free drink to the first person to let the chair know they read this \*\*\*

The ad hoc meeting ended at 9:46 a.m. Pacific.

## List of attendees (captured from Webex tool)

aananda kumar	maxlinear
Alexey Frolov	aquantia
Ali Ghiasi	gmail
Andre Szczepanek	inphi
Andy Moorwood	Huawei
Arthur Marris	cadence
benoit mercier	st
Bill Kirkland	semtech
Brandon Chen	te
D. Lapierre	exfo
Dale Murray	lightcounting
Dave Lewis	lumentum
David Law	hpe
Dino Pozzebon	microsemi
Ed Ulrichs	sourcephotronics
Erdem Matoglu - Amphenol	amphenol-tcs
Gary Nicholl	cisco
Gianpiero	cisco
Jack Dawson	netronome
Jacky Chang	hpe
James Fife	etopus
Jane Lim	cisco
Jason Ellison (Siemon)	siemon
Jeff Slavick	broadcom
John D'Ambrosia	Huawei
John Dillard	microsemi
John Dillard	microsemi
John Nelson	arista
jonathan king	finisar
Justin Abbott	lumentum
Karen Liu	kaia
Kenneth Jackson	sei-device
Manoj Kumar	cadence
Marco Mazzini	cisco
Mark Gustlin	xilinx
Mark Kimber	semtech

(Semtech)	
Mark Nowell	cisco
martin white	caviumnetworks
Matt Brown	apm
Matt Traverso	cisco
Mike Dudek	qlogic
Mike Peng Li	altera
Nathan Tracy	te
David Ofelt	Juniper
Paul Kolesar	commscope
Peter Anslow	ciena
peter stassar	huawei
Phil Sun	credosemi
Piers Dawe	mellanox
Qing Xu	belden
Raj Hegde	broadcom
Rami Al-obaidi	comcores
Ramsey Selim	kaia
Raymond Nering	cisco
RICHARD MELLITZ	samtec
Rick Rabinovich	ixiacom
Rita Horner	synopsys
Scott Kipp	brocade
Stefano Valle	st
Steve Trowbridge	nokia
T.SAKAI	socionext
Tao Hu	qlogic
Tom Issenhuth	microsoft
Tom McDermott	us.fujitsu
Tom Palkert	visi
Upen Kareti	cisco
Valeriy Lomakov	aquantia
Vipul Bhatt	finisar
Vittal Balasubramani	dell
Will Bliss	broadcom
Yasuo Hidaka	us.fujitsu
Helen Yu	huawei
Zvi ?	mellanox