

## IEEE P802.3cd Ad Hoc meeting – November 2, 2016

Prepared by Kent Lusted

### Proposed Agenda:

- Approval of the Agenda
- Approval of the October 26 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”, Matt Traverso (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](http://www.ieee802.org/3/cd/public/adhoc/archive/agenda_101916_3cd_adhoc.pdf)

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.

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 for the October 26 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.

## P802.3cd Agenda Items

### Task Force Update, Mark Nowell:

- 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 #1:

“100GBASE-DR Link Budget Considerations”, Matt Traverso

See: [http://www.ieee802.org/3/cd/public/adhoc/archive/traverso\\_110216\\_3cd\\_adhoc.pdf](http://www.ieee802.org/3/cd/public/adhoc/archive/traverso_110216_3cd_adhoc.pdf)

- Discussed the tradeoff of reflectance on the insertion loss budget and the need to compute the MPI penalty for the end user.
- Discussed the computation of RIN.

### Presentation #2:

“Backplane Measurements using Draft 1.0 COM Parameters”, Andy Zambell

See: [http://www.ieee802.org/3/cd/public/adhoc/archive/zambell\\_110216\\_3cd\\_adhoc-v2.pdf](http://www.ieee802.org/3/cd/public/adhoc/archive/zambell_110216_3cd_adhoc-v2.pdf)

- There was a request to update the presentation with additional connector details.
- Discussed ways to model the BGA footprint using various COM parameters
- Discussed the desire to have a reference BGA footprint for the channel designer.
- It was noted that the impedance on the boards is 95 ohms but the specification calls for 100 ohms.

### Draft 1.0 Comment Discussion, Matt Brown:

- Matt will review the Chief Editor’s report and then discuss specific comments in advance of the Plenary meeting
- No comments were received in the AUI annexes.
- There was a request to put the optical topics in Wednesday afternoon to enable P802.3bs participants to attend.
- Matt noted that there is a large number of comments classified as a “bucket” in order to maximize time in the Task Force. Participants that would like a bucket comment reviewed in the Task Force should notify the Chief Editor, Chair and Recording Secretary.
- Editors report and comment agenda will be posted this week.
- Discussed several comments.

\*\*\* 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 McDermott	us.fujitsu
John Nelson	arista
Yasuo Hidaka	us.fujitsu
Jeff Slavick	broadcom
Mark Nowell	cisco
David Law	HPE
Rick Pimpinella	panduit
Howard Heck	intel
Matt Traverso	cisco
Jing Fang	marvell
Marc Dupuis	webindustries
Hai-Feng	intel
Bharat	semtech
Dan Dillow	fci
Tom McDermott	us.fujitsu
RICHARD MELLITZ	samtec
Rick Rabinovich	ixiacom
Peter Anslow	ciena
Vittal	dell
Adee Ran	intel
salvatore rotolo	st Micro
Adam Healey	broadcom
Rajmohan Hegde	broadcom
Paul Kolesar	commscope
David Malicoat	no affiliation
Megha Shanbhag	te
Bill Kirkland	semtech
Ali Ghiasi	Ghiasi Quantum
peter stassar	huawei
Gary Nicholl	cisco
Anand Anandakumar	maxlinear
John Ewen	globalfoundries
Phil Sun	credosemi
yizhaoping	h3c
Andy Zambell (Amphenol)	Amphenol
martin white	cavium

Andre Szczepanek	inphi
Karen Liu	kaiam
Amrik Bains	cisco
John Dillard	microsemi
kent lusted (intel)	intel
Zvi	mellanox
Davide Visani (Marvell)	marvell
Phil Sun	credosemi
Zhenyu Liu	credosemi
Matt Brown	apm
Kumaran Krishnasamy	broadcom
Davide Visani (Marvell)	marvell
Raymond Nering	cisco
ramin.farjad	aquantia
Upen Reddy Kareti	cisco
Marc Dupuis	webindustries
James Fife	etopus
Marco Mazzini	cisco
Jane Lim	cisco
Derek Cassidy	bt
ramin.farjad	aquantia
Tao Hu	qlogic
Qing Xu	belden
David Malicoat (no affiliation)	gmail
Anand A	maxlinear
George Zimermman	s
Yong Kim	broadcom
Phil Sun	credosemi
Daniel Koehler	morethanip