

IEEE P802.3cu Task Force Ad Hoc meeting – May 15, 2019

Prepared by Mark Nowell

Proposed Agenda:

- Approve agenda
- Approve previous ad hoc minutes
- Patent reminder
- <http://www.ieee802.org/3/patent.html>
- Participant reminder
- P802.3cu Task Force Ad hoc:
 - “Task Force Update” – Mark Nowell (5 mins)
 - “Exploring DGD Penalty” – David Lewis (25 mins)

Presentations posted at:

http://www.ieee802.org/3/cu/public/cu_adhoc/cu_archive/index.html

Meeting began at ~8:00 a.m. Pacific

Meeting began with the agenda presentation:

http://www.ieee802.org/3/cu/public/cu_adhoc/cu_archive/agenda_3cu_adhoc_051519.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 802.3cu 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.

Chair asked if there were any changes needed to the minutes from the last meeting that were posted. Chair asked if there was any objection to approving the minutes as written. The minutes were approved by the ad hoc.

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. Chair asked if anyone was unfamiliar with the IEEE Participation Requirements. No one responded.

Agenda Items

P802.3cu Task Force update, Mark Nowell

- 1st Task Force F2F meeting will be during May interim:
 - Week of May 20th
 - <http://www.ieee802.org/3/interims/may19/index.html>
 - P802.3cu TF will meeting all-day Thurs 23rd and Friday 24th morning
 - 17 contributed presentations
 - This will be the first opportunity to make technical decisions

Presentation #1:

“Exploring DGD Penalty” – David Lewis

See: http://www.ieee802.org/3/cu/public/cu_adhoc/cu_archive/lewis_3cu_adhoc_051519.pdf

- Walked through some of the historical approach previous IEEE projects have handled DGD penalty
- Proposed recognizing that different fiber type specs exist (ITU G.652 types A,B,C,D) where low PMD fiber types has been the norm for quite a long time.
 - Different reaches could be specified by the different fiber types (8 & 10km)

Presentation #2:

“P802.3cu DGD penalty” – Pete Anslow

See: http://www.ieee802.org/3/cu/public/cu_adhoc/cu_archive/anslow_3cu_adhoc_051519.pdf

- Showed some simulations to show impact of DGD on link performance
- Reviewed existing fiber specs. PMD is specified assuming 20 independent fiber sections (valid assumption for a long haul application), so this causes us issues for 10km lengths that could be made up with one section of fiber conceivably
- Presented 3 different approaches that could be used to establish a value to be used
- Concluded that a maxDGD of 5ps could be used.
- Questions asked and answered on the assumptions in the 3 models

The ad hoc meeting ended at ~9 a.m. Pacific.

List of attendees (captured from Webex tool)

Dave Lewis (Lumentum)	lumentum
BRIAN WELCH	cisco
Pete Anslow (Ciena)	ciena
Shimon Mueller	axalume
Kenneth Jackson	sei-device
Mark Nowell	cisco
David Piehler	dell
Ali Ghiasi	gmail
David Law	ieee
Greg LeCheminant	keysight
Gary Nicholl	cisco
peter stassar	huawei
Yoshiaki Sone(NTT)	nel-america
Marco Mazzini	cisco
Jialong Shuai (Tony)	huawei
Stephen Didde	keysight
Derek Cassidy	bt
Joe Gwinn	raytheon
david malicoat	gmail
Ming ran	huawei
Stephen Didde	keysight
Phil Sun	credosemi
Matt Brown	macom