

Minutes

**IEEE P802.3cu 100 Gb/s and 400 Gb/s over  
SMF at 100 Gb/s per Wavelength Task Force  
Interim Meeting**

May 26, 2020

Teleconference

Prepared by Kenneth Jackson and Mark Nowell

# Table of Contents

[Table of Contents](#)

[IEEE P802.3cu 100 Gb/s and 400 Gb/s over SMF at 100 Gb/s per Wavelength Task Force](#)

[Attendees](#)

# IEEE P802.3cu 100 Gb/s and 400 Gb/s over SMF at 100 Gb/s per Wavelength Task Force Ad Hoc Meeting – May 26, 2020

Prepared by Kenneth Jackson

Meeting convened at 2:01PM (GMT) 7:01AM (Pacific)  
Chaired by Mark Nowell.

Chair reviewed agenda in

[http://www.ieee802.org/3/cu/public/May20/agenda\\_3cu\\_01a\\_05260.pdf](http://www.ieee802.org/3/cu/public/May20/agenda_3cu_01a_05260.pdf)

Chair showed the agenda. Chair mentioned a motion will be held at the end. Chair asked if there were any modifications to the agenda.

*Approved by voice without opposition*

Minutes from the previous interim meeting (May 19) were posted shortly after the meeting. Chair asked if there were any changes needed to the minutes?

*Minutes approved by voice without opposition.*

Chair reminded the Task Force of the IEEE policies.

- Attendance is captured through the Webex tool. Participants are requested to log-in with both their name and affiliation details in the Name Field. Missing affiliations will be filled in before posting minutes based on previous affiliations provided in earlier meetings. Participants are encouraged to review the minutes to ensure correct information is included.
- Patent Policy reviewed. **Call for patents at 7:04AM (Pacific). No patents noted.**
- IEEE SA Copyright Policy
- IEEE SA Participation Policy

<http://ieee802.org/3/policies.html>

Chair reviewed current Task Force Status:

- IEEE 802.3 Working Group has conditionally approved us to move to SA-Ballot.
- Task Force focus will be to continue work on generating D2.2 and resolving comments

Goals for this series of meetings:

- Resolve comments received against D2.1
  - Review any technical contributions (including proposals aimed towards spec changes)
- Generate D2.2 and recirculate for review

Chair showed timeline---still on schedule given the cancellation of F2F meetings.  
Chair showed comments received---agenda for resolving.

Presentations today:

- Comment Resolution Planning
  - “Comment Agenda” – Gary Nicholl
- Contributed Technical Contributions
  - “Update on Overshoot Spec - in support of comment #32 and 33 against 802.3cu Draft2.1”- Roberto Rodes
  - “Adding charts comments against 802.3cu D2.1 #10, 11 (updated)” David Lewis

**Presentation #1: “P802.3cu D2.1 Comment Resolution Agenda” Gary Nicholl**

See [http://www.ieee802.org/3/cu/public/May20/nicholl\\_3cu\\_01\\_052620.pdf](http://www.ieee802.org/3/cu/public/May20/nicholl_3cu_01_052620.pdf)

- Reviewed 3 presentations on May 19 conf call:
  - kimber\_01 (#9), lewis\_01a (#10,#11), nicholl\_01(#8)
- no comments have been closed
- a straw poll was taken on the different figure options for Tx OMA and RS captured in lewis\_01a (see minutes for results)
  - Most support is likely to add 3 sets of figures in the draft; TxOMA in the (normative) Tx specifications section, RS in the (normative) Rx specifications section and combined TxOMA & RS in the illustrative link power budgets section.
  - David Lewis to generate a new presentation for the May 26 conf call, to show the actual FrameMaker figures to implement such a proposal
- Bucket list:
  - 10 comments in the bucket
  - If you would like to remove any comments from the bucket please let Mark or Gary know before the June 2 conf call

**Presentation #2: “Adding charts comments against 802.3cu D2.1 #10, 11 (updated) ”**

**Dave Lewis** See [http://www.ieee802.org/3/cu/public/May20/lewis\\_3cu\\_01\\_052620.pdf](http://www.ieee802.org/3/cu/public/May20/lewis_3cu_01_052620.pdf)

- Author presented candidate figures for Clause 140. If acceptable, then prepare similar figures for Clause 151.

*Discussion:* Concerned raised regarding adoption of single ER approach would result in the link budget being increased by 0.1dB. Discussion raised about the impact of this change on mfg margins versus improvement in how the spec is written.

**Straw Poll #1:**

I recognize and support that to allow for the simplification of removing the two ER cases in the link budget results in increasing the link budget by 0.1 dB.

Yes: 19 No: 5 Abstain: 14

=>Comment Resolution began.

**Presentation #3: “Update on Overshoot Spec Presentation is in support of comment #32 and 33 against 802.3cu Draft2.1 ”, Roberto Rodes See**

[http://www.ieee802.org/3/cu/public/May20/rodes\\_3cu\\_01a\\_052620.pdf](http://www.ieee802.org/3/cu/public/May20/rodes_3cu_01a_052620.pdf)

In this presentation, the authors look at

- Methodology changes to address draft 2.1 concerns: Introduce a ‘hit ratio’ based measurement
- For 400G-FR4, a 22% overshoot limit with 1e-2 hit ratio is recommended.

=>Comment resolution continued.

Chair reminded participants about reviewing the bucket list of comments

Chair reminded participants about the deadline for presentation requests.

Chair requested to adjourn the meeting. No objections raised.

*Meeting adjourned ~9:01AM (Pacific)*

## Attendees

(Taken from Webex Attendance- Affiliations we’re not captured by Webex tool this time so affiliations have been entered manually based on previous minutes. Please let Chair or Recording Secretary know if any modifications are needed)

Ali Ghiasi	Ghiasi Quantum/Inphi
Anne Nguyen	finisar
Beth Kochuparambil	cisco
BRIAN WELCH	cisco
Chan Chih (David) Chen (AOI)	ao-inc
Chris Cole	finisar
David Lewis (Lumentum)	lumentum
david malicoat	Independent / Senko
David Piehler	dell
Ed Ulrichs	intel
Frank Chang	Source Photonics
Gary Nicholl (Cisco)	cisco

Greg LeCheminant	keysight
guangcan	huawei
Hideki Isono	fujitsu
Inho Kim (Marvell)	marvell
James Young	commscope
Jeff Hutchins (Ranovus)	Ranovus
Jeffery Maki	juniper
JOHN CALVIN	keysight
JOHN S ABBOTT	corning
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Leon Bruckman	huawei
Maniloff, Eric [Ciena]	ciena
Marco Mazzini	cisco
Mark Kimber	semtech
Mark Nowell	cisco
Massimo Sorbara	globalfoundries
Matt Brown	Huawei Technologies Canada
Mike Dudek	marvell
Nathan Tracy (TE)	te
Peter Stassar (Huawei)	huawei
Piers Dawe (Mellanox)	mellanox
pirooz tooyserkani	cisco
Ray Nering (Cisco)	cisco
Roberto Rodes	finisar
Ruoxu Wang(Huawei)	hisilicon

sam sambasivan	labs.att
Scott Sommers (Guest)	molex
Stephen Didde	keysight
Steve Trowbridge	nokia
Thomas Palkert	Independent/Macom
Timothy De Keulenaer	mellanox
Tom Huber	nokia
Tom Isenhuth (Huawei)	Huawei
Tongtong Wang (Huawei)	huawei
Vince Ferretti	corning
Vipul Bhatt (II-VI)	finisar
Xiang He/Huawei	huawei
Xinyuan Wang(Huawei)	huawei
Yoshiaki Sone(NEL)	nel-america