

Minutes

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

May 19, 2020

Teleconference

Prepared by Kenneth Jackson and Mark Nowell

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IEEE P802.3cu 100 Gb/s and 400 Gb/s over SMF at 100 Gb/s per Wavelength Task Force Ad Hoc Meeting – May 19, 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_01_051920.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.

Motion #1:

Motion to approved agenda

Moved by Massimo Sorbara

Seconded by Mark Kimber

Approved by voice without opposition

Minutes from the previous interim meeting (April 21) were posted shortly after the meeting.
Chair asked if there were any changes needed to the minutes?

Motion #2:

Motion to approve the meeting minutes from the last interim meeting.

Moved by Mark Kimber

Seconded by Matt Brown

Minutes approved by voice without opposition.

Chair reminded the Task Force of the IEEE policies.

- Attendance is captured through the Webex tool. The usage report no longer seems to record email addresses which were used to capture affiliation for minutes. Therefore 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 7:07AM (Pacific).** *No patents noted.*
- IEEE SA Copyright Policy
- IEEE SA Participation Policy

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

Chair reviewed current Task Force Status:

- D2.1 Ballot closed successfully
 - 33 Comments: ER/E/TR/T – 2/4/7/20
- IEEE 802 May and July 2020 Plenary cancelled
- Task Force meetings planned for May will be spread over multiple Interim Teleconference Meetings

Goals for this series of meetings:

- Task Force Motion to approve moving to SA-Ballot (conditional)
- Resolve comments received against D2.1
 - Review any technical contributions (including proposals aimed towards spec changes)
- Generate D2.2 and recirculate for review

Chair reviewed timeline---still on schedule given the cancellation of F2F meetings.

Chair reviewed desire to make a motion to submit the draft for conditional approval to Working Group to SA-Ballot, Draft 3.0

Motion #3:

Move that the IEEE 802.3cu Task Force re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/19/ec-19-006200-ACSD-p802-3cu.pdf> and request conditional approval to progress the IEEE P802.3cu draft to IEEE 802 SA ballot once the Working Group ballot process has been successfully completed. I

Moved by: Mark Nowell

Seconded by: Gary Nicholl

Motion passed by voice without opposition.

Presentations today:

- Comment Resolution Planning
 - “Comment Agenda” – Gary Nicholl, Cisco
- Contributed Technical Contributions
 - “Proposed changes to 802.3cu D2.1 PMD specs (comment #8)”- Gary Nicholl
 - “Adding charts in support of comments #10 and 11” – David Lewis
 - “100GBASE-LR1 OMAouter Power Specification” – Mark Kimber

Presentation #1: “Chief Editor’s Report” Gary Nicholl

See http://www.ieee802.org/3/cu/public/May20/nicholl_3cu_01_051920.pdf

- First Working Group recirculation (D2.1)
 - Opened: Saturday 25th April 2020--Closed: Sunday 10th May 2020
 - 33 comments received from 9 reviewers
 - 15 comments from non-voters
 - Plan to resolve all in this cycle
 - Proposed responses posted Friday 15th May 2020
 - Big ticket items
 - Tx Overshoot
 - Optical Specs (Receiver Sensitivity)

Presentation #2: “P802.3cu D2.1 Comment Resolution Agenda”, Gary Nicholl

See http://www.ieee802.org/3/cu/public/May20/nicholl_3cu_02_051920.pdf

- Goal is to resolve all comments against Draft 2.1.
- Editors have identified non-controversial comments as candidates for a *bucket motion*.
 - The initial list of comments for the bucket motion are on slide 10 (also marked “Bucket” in comments file), please review this and ask for a comment to be taken off the list if you don’t agree with the proposed response.
 - These comments will not be reviewed individually, but will be resolved as proposed via a single motion
- Comments bracketed together with [] cover a common topic.
- Where a comment is underlined it contains the proposed response for the group of comments.
- The order in which the comments are reviewed and the schedule are subject to change.

=>Comment Resolution began.

Presentation #3: “100GBASE-LR1 OMAouter Power Specification”, Mark Kimber See

http://www.ieee802.org/3/cu/public/May20/kimber_3cu_01_051920.pdf

- For the single channel PMDs, the peak-to-peak power represents a potential overload problem
- Author proposes changing the OMAouter and peak-to-peak power specification for 100GBASE-LR1
- Author proposes making other changes to the Tx & Rx tables:

Discussion. Suggestion to have off-line discussions to build consensus on changes.

Presentation #4: “Proposed changes to 802.3cu D2.1 PMD specs (comment #8)”, Gary Nicholl

See http://www.ieee802.org/3/cu/public/May20/nicholl_3cu_03_051920.pdf

- During the May 5th 802.3cu ad-hoc conference call, several PMD spec changes were proposed in cole_3cu_adhoc_050520_v4
- A number of straw polls were taken and provided a consensus direction on the proposed changes (minutes_3cu_adhoc_050520)
- A few minor issues were identified with some of the values in cole_3cu_adhoc_050520_v4 that don’t change the intent or direction of the straw poll results.
- This presentation described a *consolidated view of all the changes* required to the P802.3cu D2.1 draft and is in support of comment #8 (changes from D2.1 are highlighted in blue text) (See tables in presentation)

Discussion.

Presentation #5: “Adding charts comments against 802.3cu D2.1 #10, 11”, Dave Lewis

See http://www.ieee802.org/3/cu/public/May20/lewis_3cu_01_051920.pdf

- Add two graphs, after Tables 140-8 and 151-9
- Candidate graphs presented, Alternative A & Alternative B

Discussion.

Straw Poll #1: For the chart options in lewis_3cu_01_051920.pdf do you prefer:

- A. As per Comment response (one chart with Tx & Rx per PMD)
- B. Only Alternative A (All Tx on one chart and all Rx on another chart)
- C. Only Alternative B (Everything on one chart -- Tx & Rx)
- D. Implement both items A) & B) above

Results----- A: 7 B: 8 C: 4 D: 7

40 people on the call

14 no responses.

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)

Matt Brown (Huawei Technologies Canada)	Huawei
David Piehler [Dell EMC]	dell
Thomas Sellinger	macom
Hideki Isono	fujitsu
Peter Stassar (Huawei)	huawei
Gianpiero Bognanni	Innolight
Ruoxu Wang(Huawei)	hisilicon
Roberto Rodes	finisar
Vipul Bhatt (II-VI)	finisar
Piers Dawe	mellanox
Kenneth Jackson (Sumitomo)	sei-device
Lemon_geng (huawei)	huawei

David Lewis (Lumentum)	lumentum
Gary Nicholl (Cisco)	cisco
Scott Sommers (Guest)	molex
Thomas Palkert	Macom
Frank Chang	Source Photonics
Stephen Didde	keysight
Nathan Tracy (TE)	te
Inho Kim (Marvell)	marvell
JOHN S ABBOTT	corning
Karen Liu	lightwavelogic
Phil Sun	credosemi
Vipul Bhatt (II-VI)	finisar
Chan Chih (David) Chen (AOI)	ao-inc
Vince Ferretti	corning
Tom Issenhuth (Huawei)	Huawei
tomoo.takahara(Fujitsu)	fujitsu
Xiang He (HUAWEI)	huawei
Jeff Hutchins (Ranovus)	Ranovus
sam sambasivan	labs.att
Young, James (SISP)	commscope
guangcan mi/huawei	huawei
Mark Kimber	semtech
Mike Dudek	marvell
Ali Ghiasi	Ghiasi Quantum/Inphi
Frank ?	?
Mike Dudek	marvell
Jeffery Maki	juniper

Mark Nowell	cisco
Yoshiaki Sone(NEL)	nel-america
Jeffery Maki	juniper
Steve Trowbridge	nokia
Mark Kimber	semtech
JOHN S ABBOTT	corning
david malicoat	Independent / Senko
Greg LeCheminant	keysight
Maniloff, Eric [Ciena]	ciena
Yoshiaki Sone(NTT)	nel-america
Massimo Sorbara (Globalfoundries)	globalfoundries
Tom Huber	nokia
BRIAN WELCH	cisco