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 5, 2020

Teleconference

Prepared by Kenneth Jackson and Mark Nowell

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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/cu_adhoc/cu_archive/agenda_3cu_adhoc_050520.pdf
Reminded the group this is an Ad Hoc meeting. No motions. Chair showed the agenda. Chair asked if there were any modifications to the agenda. Chair asked if there were any objections to the agenda as written. No objections raised. The agenda was approved by the Task Force.

Minutes from the previous Ad Hoc meeting (March 5) were posted shortly after the meeting. Chair asked if there were any changes needed to the minutes?   Chair asked if there were any opposition to approving the minutes? None raised.   The minutes were approved by the Task Force (7:05AM)

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 7:06AM (Pacfic). *No patents noted.*
- IEEE SA Copyright Policy
- IEEE SA Participation Policy

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

Chair mentioned two presentations today:
1. "Considerations on how to express receiver sensitivity in P802.3cu" Peter Stassar
2. "802.3cu D2.1 PMD Spec Proposed Changes", Chris Cole

Chair reviewed current Task Force Status:
- D2.1 Recirculation Ballot underway now:
  - Ballot open 4/25 to 5/10
  - See: http://www.ieee802.org/3/cu/email/msg00236.html
- Task Force plans:
  - May and July Face-to-face meetings have been cancelled

- ○ Continue to use interim teleconferences to progress work
- ○ Next sequence starts Tues May 19th @ 7am PT
- ○ Outlook/Webex invites sent until 6/23.
- ○ For details see: http://www.ieee802.org/3/cu/email/msg00230.html
- ○ Also see:
    - ■ http://www.ieee802.org/3/calendar.html
    - ■ http://www.ieee802.org/3/cu/public/May20/call_info.html

Chair reviewed timeline---still on schedule given the cancellation of F2F meetings.
Group discussion on submission criteria for D3.0. Chair indicated that he plans to request conditional approval to progress to SA Ballot at the May 802.3 WG meeting. No opposition was raised.

Presentation #1: "Considerations on how to express receiver sensitivity in P802.3cu" Peter Stassar
See http://www.ieee802.org/3/cu/public/cu_adhoc/cu_archive/stassar_3cu_adhoc_050520.pdf
- ● Author stated this presentation describes editorial changes to the draft to improve readability.

Presentation #2: "802.3cu D2.1 PMD Spec Proposed Changes", Chris Cole
See http://www.ieee802.org/3/cu/public/cu_adhoc/cu_archive/cole_3cu_adhoc_050520_v3.pdf
- ● Presenting "off-line consensus group" conclusions to the group at large
- ● Propose alignment of 400GBASE-LR4-6 and 400GBASE-FR4 (a 0.1 dB change in Tables 151.7 & 151.8 from 3.5 to 3.4dB)
- ● Writing the Tx spec for one ER value. Removing the distinction between >4.5dB and <4.5dB
- ● "SECQ" vs. "TECQ" nomenclature
- ● Power budget: remove ER differences

Discussion:

36 participants on the call (as listed on the WebEx)
Straw Poll #1:
I would support changing the TDECQ(max), TECQ(max) and SECQ(max) values for 400GBASE-LR4-6 from 3.5dB to 3.4dB as proposed in slide 3 of cole_3cu_adhoc_050520_v4.
  Yes: 19
  No: 4

Straw Poll #2:
I would support changing to a single extinction ratio range for the specification of TxOMA for 400GBASE-FR4 and 400GBASE-LR4-6, with values consistent with those defined for ER<4.5 in the D2.1 draft.
  Yes: 17
  No: 5

Straw Poll #3:

I would support changing to a single extinction ratio range for the specification of TxOMA for 100GBASE-FR1 and 100GBASE-LR1, with values consistent with those defined for ER<4.5 in the D2.1 draft.

      Yes: 16

      No: 5

36 participants on the call (as listed on the WebEx)

Straw Poll #4:

For representing TxOMA requirements in the "transmit characteristics" tables, I would prefer:
- A. Editorial Alternative 1 in slide 4 of cole_3cu_adhoc_050520_v4
- B. Editorial Alternative 2 in slide 4 of cole_3cu_adhoc_050520_v4
- C. No strong opinion

A: 6   B: 14   C: 8

Straw Poll #5:

For representing RS requirements in the "receive characteristics" tables, I would prefer:
- A. Editorial Alternative 1 in slide 5 of cole_3cu_adhoc_050520_v4
- B. Editorial Alternative 2 in slide 5 of cole_3cu_adhoc_050520_v4
- C. No strong opinion

A: 5   B: 16   C: 7

Straw Poll #6:

For representing RS requirements in the "receive characteristics tables, I would prefer to use TECQ or SECQ in the tables:
- A. TECQ
- B. SECQ

A: 18   B: 8   (No answer: 9)

Chair reminded Ballot closes this Sunday. Get comments in.

May 19 will be the first meeting to resolve comments on D2.1.

Chair requested to adjourn the meeting.   No objections raised.

Meeting adjourned ~8:53AM (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)

John Abbott	corning

Ali Ghiasi	Ghiasi Quantum/Inphi
BRIAN WELCH	cisco
Chan Chih (David) Chen (AOI)	ao-inc
Chris Cole	finisar
David Lewis	lumentum
david malicoat (Independent / Senko)	Independent/Senko
David Piehler [Dell EMC]	dell
Frank Chang	Source Photonics
Gary Nicholl	cisco
Greg LeCheminant	keysight
Inho Kim (Marvell)	marvell
Jeffery Maki	juniper
Ken Jackson	sei-device
Lemon_geng（huawei)	huawei
Leon Bruckman (Guest)	huawei
Maniloff, Eric [Ciena]	ciena
Mark Kimber	semtech
Mark Nowell	cisco
Massimo Sorbara (Globalfoundries)	globalfoundries
Matt Brown (Huawei Technologies Canada)	Huawei
Mike Dudek	marvell
Nathan Tracy (TE)	te
Atul Srivastava	nel-america
Peter Stassar	huawei
Phil Sun	credosemi
Qing Xu (Ranovus)	ranovus
Ray Nering (Cisco)	cisco

Roberto Rodes (II-VI)	finisar
Ruoxu Wang(Huawei)	hisilicon
sam sambasivan (AT&T)	labs.att
Scott Sommers	molex
Stephen Didde	keysight
Steve Trowbridge	nokia
Thomas Palkert	Molex/MACOM
Tom Huber	nokia
Tom Issenhuth (Huawei)	Huawei
Vince Ferretti	corning
Vipul Bhatt (II-VI)	finisar
Yoshiaki Sone(NTT)	nel-america
Young, James (SISP)	commscope