

Unapproved Minutes

IEEE P802.3ct Task Force Meeting (Jan 21 – 22, 2020)

IEEE 802.3 January 2020 Interim
Geneva, CH
Prepared by John D'Ambrosia

All times CET

Location: ITU Headquarters

The meeting called to order at 08:45 am, Jan 21, 2020.

General Introductions were made by participants.

Presentation #1 – Agenda and General Information
Presenter: John D'Ambrosia
URL: http://www.ieee802.org/3/ct/public/20_01/agenda_3ct_b_0120.pdf

Motion #1: Move to approve the Task Force Agenda (noted on Page 2)
Moved: Steve Trowbridge
Second: Massimo Sorbara
Results: Approved by voice vote without opposition

Motion #2: Move to approve the following minutes –
• Nov 2019 -
http://www.ieee802.org/3/ct/public/19_11/minutes_3ct_01a_1119_unapproved.pdf
• Dec 19 Interim Teleconference Meeting –
• http://www.ieee802.org/3/ct/public/tf_interim/19_1219/minutes_3ct_191219_unapproved.pdf

Moved: Matt Schmitt
Second: James Young
Results: Approved by voice vote without opposition

Chair showed IEEE SA Participation slides.

Chair reviewed Task Force Decorum slide. Chair asked if there were any press in the room. Nobody identified themselves as representing the press.

Chair reviewed P802.3ct Task Force information and introduced the editorial team. Chair announced that John DeAndrea needed to step down as editor, and asked any individuals interested in being an editor for the 400GBASE-ZR logic clauses to contact him.

Chair noted attendance tools.

Chair presented the Patent Policy Slides for IEEE SA meetings.

Chair advised the Task Force of the following:

- IEEE's patent policy is described in Clause 6 of the *IEEE SA Standards Board Bylaws*;
- Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged;

- There may be Essential Patent Claims of which IEEE is not aware. Additionally, neither IEEE, the WG, nor the WG Chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.

Chair noted

- That the foregoing information was provided and that slides 1 through 4 (and this slide 0, if applicable) were shown;
- That the chair or designee provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard.

There were no responses to the Chair's Call for Potentially Essential Patents.

Chair reviewed IEEE SA Copyright Policy.

Chair reviewed Ground rules and the role of the chair.

The Chair reviewed important bylaws, rules, & references, and gave an overview of the IEEE 802.3 Standards Process.

Chair reviewed goals for week –

- Respond to comments submitted against IEEE P802.3ct D1.1
 - Hear related technical presentations
- Hear technical presentations / baseline proposals on 400BASE-ZR
 - Resolution of 75 GHz / 100 GHz spacing
- Consider received liaisons (Nov 2019)

Chair reviewed requirements to proceed to WG Ballot.

Chair reviewed liaisons from Nov 2019, which the group had agreed to defer to responding to until the Jan 2020 Interim:

- ITU-T SG15: 100 Gbit/s and 400 Gbit/s DWDM issues -
http://www.ieee802.org/3/minutes/nov19/incoming/1119_SG15-LS220_to_IEEE_802d3.pdf
- [OIF to IEEE P802.3ct regarding progress on OIF 400ZR project Attachment](#) (Password protected)

Chair reviewed the schedule for the meeting.

Presentation #2 - P802.3ct Chief Editor's Opening Report
 Presenter: Tom Issenhuth
 URL: http://www.ieee802.org/3/ct/public/20_01/issenhuth_3ct_01_0120.pdf

Presentation #3 - 802.3ct D1.1 Comment Resolution Agenda
 Presenter: Tom Issenhuth
 URL: http://www.ieee802.org/3/ct/public/20_01/issenhuth_3ct_02_0120.pdf

Comment resolution of D1.1 began at ≈ 9:40am. Chief Editor, Tom Issenhuth, ran the comment resolution.

Break @ 10:04 am
 Reconvened at 10:27 am

Comment resolution continued.

Break for lunch @ 12:17 pm
 Reconvened at 1:30 pm

Comment resolution continued.

Break @ 3:10 pm
 Reconvened at 3:30pm

Comment Resolution continued

During consideration of comments #86, #88, #91, and #92, the following presentation was given.

Presentation #4 - Proposals to Address Some TBDs in 802.3ct D1.1
Presenter - Matt Schmitt
URL: http://www.ieee802.org/3/ct/public/20_01/schmitt_3ct_01a_0120.pdf

During consideration of comments #89, #90, the following presentation was given.

Presentation #5 - Experimental Data and Proposal on Transmitter and Receiver Reflectance Parameters
Presenter - Matt Schmitt
URL: http://www.ieee802.org/3/ct/public/20_01/schmitt_3ct_02_0120.pdf

During consideration of comments #93, the following presentation was given.

Presentation #6 - Clarification on Comment #93, Optical Parameter Definitions
Presenter - Matt Schmitt
URL: http://www.ieee802.org/3/ct/public/20_01/schmitt_3ct_03_0120.pdf

Break for the day @ 5:37 pm

Meeting started @ 8:31 am Wed, Jan 22 am

There were no responses to the Chair's Call for Potentially Essential Patents.jm

Comment consideration stated at 8:35 am.

Chief Editor asked if anyone wanted to revisit any comments or open any "bucket" comments. There were none.

Consideration of comments against P802.3ct D1.1 ended. The Chair asked the Chief Editor to review status of all comments during break and confirm that all comments had been considered.

Break @ 10:11am

Reconvened @ 10:35am

Chief Editor confirmed that all comments submitted against D1.1 had been considered.

Attendance Strawpolls

- Attend 802.3ct / .3cw @ Mar 2020 Plenary
- Y: 15 N: 2 M: 4

- Attend 802.3ct / .3cw @ May 2020 Interim, Pasadena, CA, USA
- Y: 14 N: 1 M: 9

Presentation #7- Proposed test plan and actions towards an appropriate definition of EVM for 400GBASE-ZR
Presenter - Fabio Pittala
URL: http://www.ieee802.org/3/ct/public/20_01/pittala_3ct_01a_0120.pdf

There was general discussion. Greg Le Cheminant indicated that he would send the chair a script related to EVM for uploading. The chair indicated he would review the contribution. It was noted that the script is not formally distributed by the ITU-T and the ITU-T has no copyright on the script.

Break for lunch @ 11:55 am.

Meeting reconvened at 1:07 pm.

Presentation #8- 400GBASE-ZR operation on 75 GHz grid
 Presenter - Mike Sluyski
 URL: http://www.ieee802.org/3/ct/public/20_01/sluyski_3ct_01_0120.pdf

There was general discussion.

Presentation #9- 75 GHz-Spaced 400GBASE-ZR Analysis
 Presenter - Bo Zhang
 URL: http://www.ieee802.org/3/ct/public/20_01/zhang_3ct_01a_0120.pdf

There was general discussion.

Presentation #10- Some Proposed Directional Decisions
 Presenter - Mark Nowell
 URL: http://www.ieee802.org/3/ct/public/20_01/nowell_3ct_01a_0120.pdf

There was general discussion.

Meeting break at 3:15 pm
 Meeting reconvened at 3:42 pm.

Motion #3

Motion	Move to replace 100 GHz channel spacing for 400 GbE 80 km objective with 75 GHz channel spacing.
Mover	Mark Nowell
Second	Eric Maniloff
Requirement	Technical ($\geq 75\%$)
Results (y/n/a)	Approved by voice vote without opposition
Motion	Passes

Motion #4

Motion	Move to adopt the 191.375 to 196.1 THz frequency range for the 400 GbE Objective (based on 75 GHz spacing, 64 channels)
Mover	Mark Nowell
Second	Mike Sluyski
Requirement	Technical ($\geq 75\%$)
Results (y/n/a)	Approved by voice vote without opposition
Motion	Passes

Strawpoll #1

- I would support adopting the EVM measurement methodology defined by Slides 5 -9 of pittala_3ct_01a_0120.pdf to enable correlation for the definition of a transmitter metric

Results

- Yes –20
- No - 0
- Need More Information - 4

Motion #5

Motion	Move to adopt the EVM measurement methodology defined by Slides 5 -9 of pittala_3ct_01a_0120.pdf to enable correlation for the definition of a transmitter metric
Mover	Fabio Pittala
Second	Eric Maniloff
Requirement	Technical ($\geq 75\%$)
Results (y/n/a)	19 / 0 / 5
Motion	Passes

Motion #6

Motion	Move to: <ul style="list-style-type: none">• Adopt remaining proposed responses to “bucket” comments detailed on Slide 6 of issenhuth_3ct_02_0120.pdf• Generate Draft 1.2 for Task Force review from Draft 1.1 and closed comments
Mover	Tom Issenhuth
Second	Steve Trowbridge
Requirement	Technical ($\geq 75\%$)
Results (y/n/a)	Approved by voice vote without opposition
Motion	Passes

Motion #7

Motion	Move to: Adopt the project timeline specified on Slide #4 of dambrosia_3ct_01a_0120.pdf for IEEE P802.3ct (100 GbE Objectives)
Mover	Peter Stassar
Second	Matt Schmitt
Requirement	Technical ($\geq 75\%$)
Results (y/n/a)	Approved by voice vote without opposition
Motion	Passes

The chair displayed the motion he intended to present to the 802.3 WG at the 8023 WG Meeting on Thursday evening, noting that the motion was pending the modified P802.ct and new P802.3cw PARs were approved by the IEEE SA Standards Board.

WG Motion for Jan 2020 802.3 WG Meeting

Move that the IEEE 802.3 Working Group grant approval for the P802.3ct and P802.3cw (pending IEEE SA Std Board Approval) Task Forces to take motions during any joint meeting between these task forces only

- M: D'Ambrosia
- S: Issenhuth
- Procedural ($> 50\%$)
- Results:

Chair reviewed next face to face meetings

- Mar 2020
 - Week of March 16th
 - Hilton Atlanta
 - Atlanta, GA, USA
- May 2020
 - Week of May 18th
 - The Westin Pasadena
 - Pasadena, CA, USA
- July 2020
 - Week of July 13th
 - Sheraton Montreal
 - West Montreal, QC, Canada
- Sept 2020
 - Week of Sept 20th
 - The InterContinental Kansas City at the Plaza
 - Kansas City, MO, USA
- Nov 2020
 - Week of Nov 9th
 - Bangkok Marriott Marquis Queen's Park
 - Bangkok, Thailand

Chair reviewed next interim teleconference meetings –

- 13-Feb-2020, 10:00am to 12:00pm ET
- 20-Feb-2020, 10:00am to 12:00pm ET
- 27-Feb-2020, 10:00am to 12:00pm ET
- 05-Mar-2020, 10:00am to 12:00pm ET
- See <http://www.ieee802.org/3/ct/public/interim/index.html>

Meeting break @ 4:38 pm

Meeting reconvened at 4:48 pm

Presentation #11- Proposed Liaison on 400GBASE-ZR to the ITU-T and OIF (modified by TF Discussion)
Presenter - Steve Trowbridge
URL: http://www.ieee802.org/3/ct/public/20_01/IEEE_802d3_to_ITU_OIF_3ct_0120_draft.pdf

Motion #8

Motion	Move that the IEEE P802.3ct Task Force approve: IEEE_802d3_to_ITU_OIF_3ct_0120_draft • with editorial license granted to the Chair (or his appointed agent) as liaison communications from the IEEE 802.3 Working Group to ITU-T SG15 and OIF
Mover	Steve Trowbridge
Second	Mike Sluyski
Requirement	Technical (>= 75%)
Results (y/n/a)	Approved by voice vote without opposition
Motion	Passes

Presentation #12- IEEE P802.3ct Chief Editor's Closing Report
Presenter - Tom Issenhuth
URL: http://www.ieee802.org/3/ct/public/20_01/issenhuth_3ct_03_0120.pdf

Motion #9 Motion to adjourn
Mover Matt Schmitt
Second Mark Nowell
Results Approved by voice vote without opposition
Motion Passes

Meeting adjourned ≈ 5:00 pm

Attendees

Last Name	First Name	Employer	Affiliations	Tues	Wed
Andersdotter	Amelia	Self	Self		x
Braun	Ralf-Peter	Deutsche Telekom	Deutsche Telekom	x	x
Brooks	Paul	Viavi Solutions	Viavi Solutions		x
Chang	Ayla	Huawei	Huawei	x	
Choudhury	Mabud	OFS	OFS		x
D'Ambrosia	John	Futurewei, subsidiary of Huawei	Futurewei, subsidiary of Huawei	x	x
DeAndrea	John	II-VI	II-VI	x	x
Du	Liang	Google	Googel	x	x
Emsia	Ali	Tektronix	Tektronix	x	x
Guedes	Marcelo	Idea	Idea		x
Isono	Hideki	Fujitsu Optical Components	Fujitsu Optical Components	x	x
Issenhuth	Tom	Issenhuth Consulting	Issenhuth Consulting, Huawei	x	x
Jackson	Kenneth	Sumitomo	Sumitomo	x	
Knittle	Curtis	Cablelabs	Cablelabs	x	
LeCheminant	Greg	Keysight Technologies	Keysight Technologies	x	x
Lewis	David	Lumentum	Lumentum	x	x
Limin	Geng	Huawei	Huawei		x
Maj	Tomas	Inphi	Inphi	x	x
Maki	Jeffery	Juniper Networks	Juniper Networks	x	x
Maniloff	Eric	Ciena	Ciena	x	x
Mi	Guangcan	Huawei	Huawei	x	x
Nering	Ray	Cisco	Cisco	x	x
Nowell	Mark	Cisco	Cisco	x	x
Ogawa	Daisuke	NTT Electronics	NTT Electronics	x	
Parthasarathay	Vasudevan	Broadcom	Broadcom		x
Pham	Phong	US Conec Ltd	US Conec Ltd	x	
Pittala	Fabio	Huawei	Huawei	x	x
Ryo	Okabe	Fujitsu Optical Components	Fujitsu Optical Components	x	x
Sambasivan	Sam	AT&T	AT&T	x	
Schmitt	Matt	Cablelabs	Cablelabs	x	x
Sluyski	Mike	Acacia Communications	Acacia Acommunications	x	x

Sorbara	Massimo	Global Foundries	Global Foundries	x	x
Sprague	Ted	Infinera	Infinera	x	x
Srivastava	Atul	NEL-America	NEL-America	x	x
Stassar	Peter	Huawei	Huawei	x	x
Takahara	Tomoo	Fujitsu	Fujitsu	x	x
Trowbridge	Steve	Nokia	Nokia	x	x
Wang	Xinyuan	Huawei	Huawei	x	x
Young	James	CommScope	CommScope	x	
Zhang	Bo	Inphi	Inphi	x	x