

IEEE 802.3 Ethernet Working Group  
**EC REVIEW DRAFT** Liaison Communication

Source: IEEE 802.3 Working Group<sup>1</sup>

To: Steve Trowbridge Chair, ITU-T SG15  
[steve.trowbridge@nokia.com](mailto:steve.trowbridge@nokia.com)

Peter Stassar Rapporteur, ITU-T Q6/15  
[peter.stassar@huawei.com](mailto:peter.stassar@huawei.com)

Hiroshi Ota Advisor, ITU-T SG15  
[tsbsg15@itu.int](mailto:tsbsg15@itu.int)

Ed Frlan TC Chair, OIF  
[efrlan@semtech.com](mailto:efrlan@semtech.com)

Kimberly Naughton Liaison contact, OIF  
[liaisons@oiforum.org](mailto:liaisons@oiforum.org)

CC: Konstantinos Karachalios Secretary, IEEE-SA Standards Board  
Secretary, IEEE-SA Board of Governors  
[sasecretary@ieee.org](mailto:sasecretary@ieee.org)

Paul Nikolich Chair, IEEE 802 LMSC  
[p.nikolich@ieee.org](mailto:p.nikolich@ieee.org)

Adam Healey Vice-chair, IEEE 802.3 Ethernet Working Group  
[adam.healey@broadcom.com](mailto:adam.healey@broadcom.com)

Jon Lewis Secretary, IEEE 802.3 Ethernet Working Group  
[jon.lewis@dell.com](mailto:jon.lewis@dell.com)

John D'Ambrosia Chair, IEEE P802.3ct Task Force  
[jdambrosia@ieee.org](mailto:jdambrosia@ieee.org)

From: David Law Chair, IEEE 802.3 Ethernet Working Group  
[dlaw@hpe.com](mailto:dlaw@hpe.com)

Subject: Progress on IEEE P802.3ct (pending IEEE P802.3cw) Task Force

Approval: Agreed to at IEEE 802.3 interim meeting, Geneva, Switzerland, 23<sup>rd</sup> January 2020

Dear Mr Trowbridge and members of ITU-T Study Group 15,

Dear Mr Frlan and members of OIF,

As a reminder, we have agreed to split the IEEE P802.3ct project, retaining 100 Gb/s Ethernet operation over a DWDM system in IEEE P802.3ct, while moving 400 Gb/s Ethernet operation over a DWDM system to a new project, IEEE P802.3cw. The IEEE P802.3cw PAR is still pending approval by the IEEE-SA Standards Board, which is expected in early February.

---

<sup>1</sup> This document solely represents the views of the IEEE 802.3 Working Group, and does not necessarily represent a position of the IEEE, the IEEE Standards Association, or IEEE 802.

At our January interim meeting in Geneva Switzerland (meeting materials at: [http://ieee802.org/3/ct/public/20\\_01/index.html](http://ieee802.org/3/ct/public/20_01/index.html)), several decisions were made within the scope of the new IEEE P802.3cw project.

- It was agreed to change the grid spacing for 400GBASE-ZR from 100 GHz to 75 GHz.
- It was agreed to adopt 191.375 to 196.1 THz as the frequency range for 400GBASE-ZR, 64 channels.
- It was agreed 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.

We look forward to continued collaboration with ITU-T SG15 and OIF on 400 Gb/s technologies.

Sincerely,

David J. Law  
Chair, IEEE 802.3 Ethernet Working Group