

IEEE 802.3 Ethernet Working Group
EC REVIEW DRAFT Liaison Communication

Source: IEEE 802.3 Working Group¹

To: Steve Trowbridge Chair, ITU-T SG15
steve.trowbridge@nokia.com

Peter Stassar Rapporteur, ITU-T Q6/15
peter.stassar@huawei.com

Hiroshi Ota Advisor, ITU-T SG15
tsbsg15@itu.int

Ed Frlan TC Chair, OIF
efrlan@semtech.com

Kimberly Naughton Liaison contact, OIF
liaisons@oiforum.org

CC: Konstantinos Karachalios Secretary, IEEE-SA Standards Board
Secretary, IEEE-SA Board of Governors
sasecretary@ieee.org

Paul Nikolich Chair, IEEE 802 LMSC
p.nikolich@ieee.org

Adam Healey Vice-chair, IEEE 802.3 Ethernet Working Group
adam.healey@broadcom.com

Jon Lewis Secretary, IEEE 802.3 Ethernet Working Group
jon.lewis@dell.com

John D'Ambrosia Chair, IEEE P802.3ct Task Force
jdambrosia@ieee.org

From: David Law Chair, IEEE 802.3 Ethernet Working Group
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, 23rd 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.

¹ 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), 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