

IEEE 802.3 Ethernet Working Group
Liaison Communication

Source: IEEE 802.3 Working Group¹

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Subject: Progress of 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 Project Authorisation request (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