

## IEEE 802.3 Ethernet Working Group Liaison Communication

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

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From: David Law      Chair, IEEE 802.3 Ethernet Working Group  
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Subject: Liaison letter to ITU-T Study Group 15 on 100 Gb/s status in IEEE P802.3ct project

Approval: Agreed to at IEEE 802.3 interim meeting, Indianapolis, IN USA, 12<sup>th</sup> September 2019

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

Please see a separate liaison statement concerning the proposed division of the IEEE P802.3ct project into two projects.

During our interim meeting in Indianapolis, the IEEE P802.3ct Task Force decided to support a wavelength plan consisting of 48 wavelengths from 191.4 THz to 196.1 THz spaced at 100 GHz for the 100GBASE-ZR PHY. This allowed draft D1.0 for the reduced-scope IEEE P802.3ct Task Force specifying 100GBASE-ZR to be adopted and to begin Task Force review. A copy of this draft is attached.

Note that the digital signal format for 100GBASE-ZR is based on the mapping of 100GBASE-R signals into the OPU4 frame, adding Staircase FEC, based on the frame format described in ITU-T G.709.2, omitting the majority of OTN-specific overhead. The

<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.

optical parameters agreed so far are based on several inputs, including optical parameters specified for the DW100U-8A2(C)F application code in ITU-T G.698.2. We would appreciate your careful review of these aspects.

The next meeting of the IEEE P802.3ct Task Force will be during the IEEE 802 plenary meeting in Waikoloa, HI, USA from 11<sup>th</sup> to 14<sup>th</sup> November 2019. The following IEEE P802.3ct Task Force meeting will be held during the IEEE 802.3 interim meeting at the ITU Headquarters, Geneva, Switzerland, from 20th to 24th January 2020. We look forward to the opportunity to collaborate during the meeting series, as well as during the joint ITU, IEEE 802.3 and IEEE 802.1 workshop on 25th January 2020.

Sincerely,  
David Law  
Chair, IEEE 802.3 Ethernet Working Group