

IEEE 802.3 Ethernet Working Group  
**DRAFT** 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 P802.3ct Project

Approval: Agreed to at IEEE 802.3 interim meeting, Indianapolis, IN, 12 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 1.0 for the reduced-scope P802.3ct Task Force specifying 100GBASE-ZR to be adopted and to begin Task Force review. A copy of this draft is attached.

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<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.

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 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 P802.3ct Task Force will be during the IEEE 802 plenary meeting in Waikoloa, HI, USA from 11-14 November 2019.

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group

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