IEEE 802.3 Ethernet Working Group
Liaison Communication

Source: IEEE 802.3 Working Group[1]

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From: David Law   Chair, IEEE 802.3 Ethernet Working Group
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Subject: Liaison reply to November 7, 2016 Communication

Approval: Agreed to at IEEE 802.3 November 2016 Plenary Meeting, San Antonio, TX,
           USA

Dear Klaus,

Thank you for your liaison letter informing the IEEE 802.3 Ethernet Working Group of the start of the 400ZR Interop Project.

Your communication indicates that the implementation agreement will define a pluggable digital coherent optical (DCO) module that will function as a 400GbE PMD compatible with the 400G-AUI. Please note that the normative specifications for the 400GAUI-16 and 400GAUI-8 being developed as part of the IEEE P802.3bs standard may be found in Annex120C and Annex 120E. Furthermore, given the noted use of advanced FEC, it is suggested that Clause 118 of the draft standard be reviewed, to understand the use of 400GMII Extender Sublayer, which may be necessary if the advanced FEC is present in the module.

Additionally, given the observed interest in SMF optical links beyond the current 10km currently being developed as part of the IEEE P802.3bs project, we wish to inform you that for the past year the IEEE 802.3 NG-ECDC Ad Hoc has been discussing extended reach

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[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.

optical solutions targeting 40km and beyond for 50 GbE, 200GbE, and 400GbE. Please note that these discussions do not represent a formal IEEE project. These materials may be found on the IEEE 802.3 NG-ECDC webpage at the following URL - http://www.ieee802.org/3/ad_hoc/ngrates/public/index.html.

The IEEE 802.3 Working Group recognizes the inherent desire of the industry to optimize available resources and minimize any duplication of efforts. We look forward to anticipated on-going communications regarding the technical development activities of this effort.

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group