IEEE 802.3 Ethernet Working Group
Liaison Communication

Source:	IEEE 802.3 Working Group[1]	
To:	Klaus-Holger Otto	Technical Committee Chair, OIF klaus-holger.otto@nokia.com
CC:	Konstantinos Karachalios	Secretary, IEEE-SA Standards Board Secretary, IEEE- Board of Governors sasecretary@ieee.org
	Paul Nikolich	Chair, IEEE 802 LMSC SA p.nikolich@ieee.org
	Adam Healey	Vice-chair, IEEE 802.3 Ethernet Working Group adam.healey@broadcom.com
	Pete Anslow	Secretary, IEEE 802.3 Ethernet Working Group panslow@ciena.com
	John D'Ambrosia	Chair, IEEE 802.3 NG-ECDC Ad Hoc jdambrosia@ieee.org
From:	David Law	Chair, IEEE 802.3 Ethernet Working Group dlaw@hpe.com
Subject:	Liaison reply to 7th November 2016 Communication	
Approval:	Agreed to at IEEE 802.3 Plenary meeting, San Antonio, TX, USA, 10th November 2016	

Dear Klaus-Holger,

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 400 Gb/s Ethernet 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 Annex 120C 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 10 km 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 Next Generation Enterprise/Campus/Data Centre (NG-ECDC) Ethernet ad hoc has been discussing extended reach optical solutions targeting 40 km and beyond for 50 Gb/s Ethernet, 200 Gb/s Ethernet, and 400 Gb/s Ethernet. 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.

[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.

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