IEEE 802.3 Ethernet Working Group
<mark>DRAFT</mark> Liaison Communication

Source: IEEE 802.3 Working Group[1]

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Subject: Liaison to ITU-T Study Group 15 from IEEE 802.3 on Formation of IEEE 802.3 Beyond 10 km Optical PHYs Study Group

Approval: Agreed to at IEEE 802.3 Plenary Meeting, Berlin, Germany, July 13, 2017

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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.

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

We would like to inform you that the IEEE 802.3 Ethernet Working Group has formed a Study Group to consider the development of optical solutions targeting reaches beyond 10 km for 50GbE, 200GbE, and 400GbE. A consensus presentation given in support of this effort may be found at [URL]. The webpage for the new Study Group may be found at [URL].

As noted in the above presentation, generally speaking, optical solutions standardized or in the process of being standardized are based either on direct detect or coherent optical technologies. It is our understanding that work is underway on a revision of the G.698.2 specification within ITU-T Study Group 15 to address 100 Gb/s coherent optical interfaces. If this understanding is correct, we would like to request a status update on the effort and any information that ITU-T SG15 might feel is relevant to share.

As this effort in IEEE evolves and potentially becomes a Task Force, we look forward to continuing close cooperation with ITU-T SG15. Furthermore, we would encourage SG15 members to contribute to such a project. Information regarding future IEEE 802.3 meetings may be found at http://www.ieee802.org/3/interims/index.html.

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group