

IEEE 802.3 Ethernet Working Group
DRAFT Liaison Communication

Source: IEEE 802.3 Working Group¹

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Subject: Liaison response to OIF regarding the 400ZR Interop Project

Approval: Agreed to at IEEE 802.3 Plenary meeting, Chicago, IL USA, 8th March 2018

Dear Mr. Otto, Mr. Frlan, and members of the OIF,

Thank you for your liaison letter of January 18, 2018 updating the IEEE 802.3 Working Group on the status of the *400ZR Interop Project*. Since the receipt of your letter, the IEEE 802.3 Working Group and the IEEE 802.3 Beyond 10 km Optical PHYs Study Group have met twice: during the week of January 22, 2018 in Geneva, Switzerland and during the week of March 5, 2018 in Chicago, IL.

We appreciate your adoption of the 400G PHY XS formalism for the 400ZR project, the detailed description of the rationale for GMP, and the discussion about clocking requirements.

The IEEE 802.3 Beyond 10 km Optical PHYs Study Group has made progress and has adopted a number of objectives. The full list can be found at the following link:

http://www.ieee802.org/3/B10K/project_docs/objectives_180125.pdf [Needs to be updated with the link including anything adopted in the March meeting]

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 objectives include the following Ethernet PHYs:

- 50 Gb/s PHY over at least 40 km of SMF
- Four-lane 200 Gb/s PHY over at least 40 km of SMF
- Single-wavelength 100 Gb/s PHY capable of at least 80 km over a DWDM system

The IEEE 802.3 Beyond 10 km Optical PHYs Study Group remains interested in the distance supported by (passive) single channel 400ZR and requests an update once the 400ZR project selects baselines for this topic.

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group

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