

IEEE 802.3 Ethernet Working Group
DRAFT Liaison Communication

Source: IEEE 802.3 Working Group¹

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Subject: Liaison response to OIF liaison "400ZR Interop Project" (11 March 2019)

Approval: Agreed to at IEEE 802.3 Plenary meeting, Vancouver, BC, Canada, 14 Mar 2019

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

Thank you for your liaison letter of 11th March 2019, which provided an update on the status of the 400ZR Interop Project and attached the draft 400ZR Implementation Agreement (IA # OIF-400ZR-0.11 Draft).

Since our last communication, the IEEE P802.3ct Task Force was officially formed and held its first meeting at the IEEE 802 March 2019 Plenary. The web page for the task force meeting may be found at the following URL:

- IEEE 802 March 2019 Plenary – http://www.ieee802.org/3/ct/public/19_03/index.html

Please note that the adopted timeline for the project may be found at http://www.ieee802.org/3/ct/timeline_3ct_190119.pdf. Given the commonality with the 400ZR project, we would appreciate an update on your project schedule.

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.

A key technical decision made at the March 2019 Plenary was to adopt 100 GHz grid spacing for the 100GBASE-ZR and 400GBASE-ZR PHYs.

We appreciate the OIF forwarding this liaison, but unfortunately since we received it on the Monday of our March Plenary meeting, our members haven't had an opportunity to conduct a comprehensive review. With that said, there are a few areas where there are some questions –

- It was noted that an Editor's note was included in the Introduction of IA # OIF-400ZR-0.10 Draft, which stated that "Additional contributions are required to define optical interoperability" and noted 1) EVM and related optical parameters, and 2) Reference transfer characteristics for the black link in. In OIF-400ZR 0.11 Draft this note has been removed. We would appreciate if you could call to our attention the improvements that have been made in this version of the draft to facilitate optical interoperability.
- A discrepancy between Table 13.1.1 and Annex A has been noted, where in Table 13.1.1 the minimum channel frequency is noted as 191.3 THz, but called out as 191.4 THz in Annex A.
- We would appreciate clarification of the parameter "Optical input power transient tolerance" specified in 13.1.353. What does it mean and how was the value determined?

We appreciated the continued interaction with the OIF, and request that the OIF continue to provide updates on the 400ZR project.

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group