

IEEE 802.3 Ethernet Working Group  
Liaison Communication

Source: IEEE 802.3 Working Group<sup>1</sup>

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CC: Konstantinos Karachalios Secretary, IEEE-SA Standards Board  
Secretary, IEEE-SA Board of Governors  
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John D'Ambrosia Chair, IEEE 802.3 Beyond 400 Gb/s Ethernet Study Group  
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From: David Law Chair, IEEE 802.3 Ethernet Working Group  
[REDACTED]

Subject: Liaison reply to Liaison "800G Coherent Project Status", dated 17<sup>th</sup> May 2021  
Approval: Agreed to at IEEE 802.3 plenary teleconference meeting, 22<sup>nd</sup> July 2021

Dear Mr Otto and members of the OIF,

Thank you for your update on the status of the 800G Coherent Project and your kind offer to liaise the draft implementation agreements periodically during the project.

This work is of interest to the Ethernet community given the work of the IEEE 802.3 Beyond 400 Gb/s Ethernet Study Group. The Study Group webpage and the proceedings of the meetings may be found at <<http://www.ieee802.org/3/B400G/index.html>>.

The Study Group has been meeting throughout the year considering beyond 400 Gb/s Ethernet. Its list of currently adopted objectives may be found at <[https://www.ieee802.org/3/B400G/proj\\_doc/objectives\\_b400g\\_210720.pdf](https://www.ieee802.org/3/B400G/proj_doc/objectives_b400g_210720.pdf)>.

Please note that the objectives and accompanying project documentation are still pending approval by the IEEE 802.3 Ethernet Working Group.

The 800LR interface is of particular interest to the Study Group, as it has adopted an objective targeting 800 Gb/s Ethernet operation over a single SMF in each direction with

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<sup>1</sup> 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.

lengths up to at least 10 km. Any technical information related to this interface that can be shared would be appreciated.

Regarding your request about any future 800 Gb/s chip-to-module (C2M) specifications, please refer to the list of currently adopted objectives noted above. Relevant presentations covering this topic may be found in the public area of the Study Group webpage found at <https://www.ieee802.org/3/B400G/public/index.html>.

Please note that the objectives and accompanying project documentation are still pending approval by the IEEE 802.3 Ethernet Working Group.

It is anticipated that the work of the IEEE 802.3 Beyond 400 Gb/s Ethernet Study Group will complete by the end of the year with the first task force meeting likely to happen in January 2022. We would appreciate any input that the OIF may have regarding this effort and we look forward to any future collaboration.

Sincerely,  
David Law  
Chair, IEEE 802.3 Ethernet Working Group