

IEEE 802.3 Ethernet Working Group  
Liaison Communication

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

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Subject: Liaison reply to "OIF to IEEE 802.3: 800LR/800ZR IA Project updates", 12 May 2024  
Approval: Agreed at IEEE 802.3 plenary meeting, Montreal, QC, Canada, 18 July 2024

Dear Mr Bois and members of the OIF,

Thank you for your update on your progress. We would like to give the members of the OIF an update on the progress of the IEEE P802.3dj Task Force.

As previously noted, the IEEE P802.3dj Task Force received a request from MOPA to address time synchronization error in PTP networks for the 800GBASE-ER1 and 800GBASE-ER1-20 PHYs currently under development.

We would like to inform you that we are addressing time synchronization in our specs for these PHYs based on the proposal described in: [https://www.ieee802.org/3/dj/public/24\\_05/sluyski\\_3dj\\_01a\\_2405.pdf](https://www.ieee802.org/3/dj/public/24_05/sluyski_3dj_01a_2405.pdf).

We would also like to inform you that we are investigating the adoption of a transmitter quality metric (TQM) for our coherent optics PHYs which is likely not based on EVM. We are also looking to adopt an appropriate reference receiver per interface type, if necessary, in an effort

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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.

to ensure consistency and interoperability between implementations as is expected for Ethernet.

We will share our specifications when they are in stable form for sharing.

We look forward to the continued collaboration between our two groups.

Sincerely,  
David Law  
Chair, IEEE 802.3 Ethernet Working Group