IEEE 802.3 Ethernet Working Group
Liaison Communication

Source: IEEE 802.3 Working Group[1]

To: Klaus Holger-Otto   Technical Committee Chair, OIF
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Kimberly Naughton   Project Manager, OIF
⬛⬛⬛⬛⬛⬛⬛

CC: Konstantinos Karachalios   Secretary, IEEE-SA Standards Board
Secretary, IEEE-SA Board of Governors
⬛⬛⬛⬛⬛⬛

Paul Nikolich   Chair, IEEE 802 LMSC
⬛⬛⬛⬛⬛

Adam Healey   Vice-chair, IEEE 802.3 Ethernet Working Group
⬛⬛⬛⬛⬛⬛

Jon Lewis   Secretary, IEEE 802.3 Ethernet Working Group
⬛⬛⬛⬛⬛

John D'Ambrosia   Chair, IEEE P802.3cw Task Force
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From: David Law   Chair, IEEE 802.3 Ethernet Working Group
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Subject: Liaison to OIF, Request for Data related to EVM

Approval: Agreed at IEEE 802.3 plenary meeting, Berlin, Germany, 13 July 2023

Dear Mr Otto and members of the OIF,

The IEEE P802.3cw project is progressing through the Working Group Ballot process. The Task Force is still looking to obtain any data related to EVM that may be available within the industry.

It has come to our attention that the OIF held 400ZR Interoperability Plugfests at ECOC 2022 and OFC 2023 and has generated white papers related to these events. Given these events, the IEEE P802.3cw Task Force is reaching out to see if any Error Vector Magnitude (EVM) data was captured by the OIF that could be shared.

Additionally, OIF-400ZR-02.0 Implementation Agreement, dated 3 November 2022 was reviewed, and it was observed that changes were made within Section 20.4 describing the calculation of EVM_{MAX}. We would like to request any supporting material the OIF has that describes the technical rationale for these changes.

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

Sincerely,
David Law
Chair, IEEE 802.3 Ethernet Working Group

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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.