



November 10, 2023

To: David Law and participants of the IEEE 802.3 Ethernet Working Group
cc: John D'Ambrosia – IEEE P802.3cw Task Force Chair

Subject: Response to request for data related to EVM and OIF 400ZR IA maintenance update.

From: Karl Bois, OIF Technical Committee Chair ([REDACTED])

Dear Mr. Law and participants of IEEE 802.3 Working Group,

The OIF Q4'23 Technical and MA&E Committees hybrid meetings were held from November 7th through November 9th in Osaka Japan.

IEEE and OIF both use Error Vector Magnitude (EVM) as one way of characterizing optical transmitter performance. During ECOC 2023 in Glasgow, the OIF conducted a large demonstration of multi vendor interoperability for 400ZR+ pluggable optical modules. We believe this to be the largest such dataset collected to date in the industry. We understand IEEE 802.3 is interested in this and previous data sets.

Attached to this liaison is an explanatory presentation – OIF Interop Team EVM Measurements – from the PLL Working Group – Optical Vice Chair Mr Karl Gass and a Zipfile containing the datasets.

We hope that this information is of use to IEEE 802.3 and look forward to your feedback and any updates.

Sincerely,

Karl Bois,
OIF Technical Committee Chair ([REDACTED])

Attachments:
oif2023.502.00.pptx
oif2023.502.00.zip

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