



May 12, 2024

To: David Law and participants of the IEEE 802.3 Ethernet Working Group

cc: John D'Ambrosia – IEEE P802.3dj Task Force Chair

Subject: 800LR/800ZR IA Project updates

From: Karl Bois, OIF Technical Committee Chair (██████████)

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

The OIF Q2'24 Technical and MA&E Committees meetings were held from May 6 through May 9 in Athens, Greece. The focus of this meeting's 800LR/800ZR work sessions were to discuss and try to reach consensus on some open work items as well as progressing the draft text. We have attached copies of both draft IAs for your review since they align to similar projects in scope of 802.3dj. These drafts have both been through straw ballot and comment resolution. 800LR draft IA still has missing optical parameters to be completed in future sessions.

Both 800ZR and 800LR use the MII extender sublayer model as previously communicated in past liaisons. 800ZR has no PTP transfer requirements for the DCI application, and uses mapping characteristic information as per the OTN reference point defined in 802.3. The alignment marker positions are not preserved through mapping, in order to support a feature we have called "consequent action holdoff" to support optical protection switching. 800LR mapping in contrast does not suffer from the same PTP time error since that mapping does not remove the alignment markers. We have not studied system time error performance.

We request that access to the attached documents be restricted to IEEE 802.3 participants only and that you acknowledge the OIF in any derivative work.

Sincerely,

Karl Bois,
OIF Technical Committee Chair (██████████)

Attachments: oif2023.070.04 and oif2021.144.17

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