



November 8, 2021

To: David Law (IEEE 802.3 WG Chair)

CC: John D' Ambrosia and participants of "Beyond 400 Gb/s Ethernet Study Group," Jon Lewis (IEEE 802.3 WG Secretary) and participants of IEEE 802.3

Subject: 800G Coherent Project Status

From: Klaus Holger-Otto, OIF Technical Committee Chair  
( [REDACTED] )

Dear Mr. Law,

The OIF Q4 Technical and MA&E Committees meetings were held virtually from Nov 1st through Nov 5th, 2021. At this meeting the Physical and Link Layer (PLL) Working Group discussed multiple technical contributions to define both the 800ZR and 800LR coherent interfaces.

At this meeting the group made several key decisions to define the 800ZR interface including mapping of Ethernet clients at 257b granularity using a GMP process, using 128b interleaving of the resultant 100G streams into an 800ZR frame, and the choice of OFEC for forward-error correction. The group will work towards updating the draft implementation agreement based on these decisions.

Since the 802.3 is interested in details of these interfaces we will continue to liaise the draft implementation agreements periodically during the project.

Sincerely,  
Klaus-Holger Otto,  
OIF Technical Committee Chair ( [REDACTED] )