

IEEE 802.3 Ethernet Working Group
Liaison Communication

Source: IEEE 802.3 Working Group ¹

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From: David Law Chair, IEEE 802.3 Ethernet Working
Group
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Subject: Liaison letter to OIF

Approval: Agreed to at IEEE 802.3 Plenary meeting, Vancouver, March 16, 2017

Dear Mr. Otto and members of the OIF,

Thank you for your liaison letter providing the status of the OIF CEI-56G projects and for providing us with copies of the latest ~~drafts~~ [draft](#) of the CEI-56G-VSR-PAM4, ~~CEI-56G-MR-PAM4 and CEI-56G-LR-PAM4~~ implementation agreements.

We would like to inform you about the status of the [IEEE P802.3cd-3bs 200 Gb/s and 400 Gb/s Ethernet Task Force](#) ~~50 Gb/s, 100 Gb/s, and 200 Gb/s Ethernet Task Force~~. The project is in the [task forcesponsor](#) ballot phase and we are happy to provide you with the

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current copy of P802.3cd-3bs Draft 4.33.1. We request that this be shared only with your membership. Please note that Annexes ~~435B-120B through 435E~~ and 120C use similar technology to the OIF CEI-28G implementation agreements, while Annexes ~~435F-120D~~ and ~~435G-120E~~ use similar technology to the CEI-56G-MR-PAM4 and CEI-56G-VSR-PAM4 implementation agreements, respectively.

Additionally, in the liaison from the OIF on November 7, 2016, it was noted that the 400ZR project "should ensure a cost-effective and long term relevant implementation based on single-carrier 400 G, coherent detection and advanced DSP / FEC algorithms." As FEC is currently embedded in the 400GBASE-R PCS, if you define a new PCS because of a different FEC, we wish to draw your attention to a recent additional note at the end of 120.5.2 concerning the transition density of lanes operating at the 100 Gb/s nominal signalling rate.

In addition, Clauses 136 and 137 use similar technology to the CEI-56G-LR-PAM4 implementation agreement.

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Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group