

IEEE P802.3bs 200 Gb/s and 400 Gb/s Ethernet Task
Force
Informal Communication

Source: IEEE P802.3bs Name Task Force¹

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Subject: Informal communication reply to OIF

Approval: Agreed to at IEEE P802.3bs 200 Gb/s and 400 Gb/s Ethernet Task Force
meeting, San Diego, CA, 26 July 2016

Dear Mr. Tracy and members of 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 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 [P802.3bs 200 Gb/s and 400 Gbs Ethernet Task Force](#) and the [P802.3cd 50 Gb/s, 100 Gb/s, and 200 Gb/s Ethernet Task Force](#).

¹ This document solely represents the views of the IEEE P802.3bs 200 Gb/s and 400 Gb/s Ethernet Task Force, and does not necessarily represent a position of the IEEE, the IEEE Standards Association, IEEE 802 or the IEEE 802.3 Working Group

IEEE 802.3 agreed to PAR modifications and additional objectives for P802.3bs to add 200 Gb/s operation to the scope of the project in the March 2016 plenary meeting in Macau. The updated objectives for this project can be found at:

http://ieee802.org/3/bs/Objectives_16_0317.pdf

Baselines have subsequently been adopted for 200 Gb/s operation and added to our draft. We agreed at our San Diego meeting to begin the Working Group ballot phase, and are happy to provide you with the current copy of P802.3bs Draft 2.0. We request that this be shared only with your membership. Please note that Annexes 120B and 120C use similar technology to the OIF CEI-28G implementation agreements, while Annexes 120D and 120E use similar technology to the CEI-56G-MR-PAM4 and CEI-56G-VSR-PAM4 implementation agreements, respectively.

The P802.3cd 50 Gb/s, 100 Gb/s, and 200 Gb/s Ethernet Task Force was formed after the March 2016 plenary meeting to develop 50 Gb/s Ethernet. In addition next generation 100 Gb/s Ethernet PHYs and 200Gb/s Ethernet PHYs will be developed. This project will develop backplane, copper cable, MMF and SMF (except for 200 Gb/s operation) PMDs. The objectives for this project can be found at:

http://ieee802.org/3/cd/P802d3cd_objectives_v3.pdf (anticipating one or more objectives added in San Diego)

P802.3cd is in the process of evaluating and adopting baselines and has not yet advanced to the stage of developing a draft specification. While baselines have not yet been adopted, there may be a relationship of the new backplane and copper cable work for 50 Gb/s, 100 Gb/s, and 200 Gb/s operation to the CEI-56G-LR-PAM4 implementation agreement.

Sincerely,

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