

IEEE 802.3 Ethernet Working Group
Liaison Communication

Source: IEEE 802.3 Working Group¹

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From: David Law Chair, IEEE 802.3 Ethernet Working Group
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Subject: Response to ITU-T SG15, SG15-LS47, LS/r on TQM and B400G

Approval Agreed at IEEE 802.3 Interim meeting, Minneapolis, MN, USA, 18 Sept 2025

Dear Mr Parsons and members of ITU-T Study Group 15,

The IEEE 802.3 Working Group would like to thank you for your recent liaison regarding the update on your work on Extended Transmitter Constellation Closure (ETCC) as a transmitter quality metric (TQM) and for sharing the contribution on the progress of the validation work.

IEEE 802.3 continues our work on ETCC. We have made some changes to the ETCC reference receiver, providing an explicit definition for the reference equaliser and adding a reference post-equaliser following carrier phase recovery. We would like to draw your attention to these changes in IEEE P802.3dj draft D2.2, which has been shared separately.

¹ This document solely represents the views of the IEEE 802.3 Working Group and does not necessarily represent a position of the IEEE, the IEEE Standards Association, or IEEE 802.

We note your observation that there were differences between the contributions we previously shared with each other. We would note that the information we shared following our May meeting was preliminary, and our validation work is progressing. We expect to share further updates in the future.

We thank you for your continued collaboration and look forward to continued conversations on this topic.

Sincerely,
David Law
Chair, IEEE 802.3 Ethernet Working Group