



Question(s): 6/15

Montreal, Canada, 1-12 July 2024

LS

Source: ITU-T Study Group 15

Title: LS/r on B400G work and EVM

LIAISON STATEMENT

For action to: -

For information to: IEEE 802.3

Approval: ITU-T SG15 meeting (Montreal, 12 July 2024)

Deadline: -

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Abstract: This liaison provides feedback on the status of the Transmitter Quality Metrics (TQM) discussion on DP 16QAM 800G.

ITU-T SG15 kindly thanks IEEE 802.3 for their Liaison Statement dated 25 January 2024, which we reviewed during the SG15 Plenary Meeting in Montreal, 1-12 July 2024.

ITU-T SG15 wishes to inform IEEE 802.3 that in this meeting Q6/15 discussed potential Transmitter Quality Metrics (TQM) for the new work item on adding 800G DWDM application codes to a future revision of Recommendation ITU-T G.698.2. Among the different TQM proposals (EVM, TCC and Tx-only RSNR penalty in dB) Q6/15 agreed on using the 3rd method (Tx-only RSNR penalty in dB) and renamed it Extended TCC.

Q6/15 further agreed to develop a definition of the reference receiver in conjunction with the Extended TCC method that will be an integral part of the ITU-T G.698.2 revision.

A copy of TD214/WP2 containing a summary of the TQM discussion is attached to this liaison.

As Q6/15 progresses its work on a future revision of Recommendation ITU-T G.698.2, to include 800G application codes, we will keep you informed about the status of this activity and will be happy to continue to liaise with the IEEE 802.3 about the progress made.

Attachment: TD214-WP2.