

SOURCE: ITU-T Question 4/15

TITLE: Communication to IEEE P802.3ah Ethernet in the First Mile from ITU-T Q4/15

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FOR: information and action

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Thank you for your communication on the PTM-TC currently contained in Annex H/G.993.1. We have discussed your communication and offer the following information:

Regarding the error rate of DSL systems, we note that the error rate of xDSL systems is somewhat lower than  $10^{-7}$  due to the 6 dB margin that is used during transceiver initialization/bit loading.

With regards to the Reed-Solomon decoder, we note that in most instances, the Reed-Solomon decoder does not have additional information to communicate to the gamma interface concerning the reliability of the received packets.

As a practical matter, we note that approximately 25 million Ethernet over AAL5 over ADSL systems have been deployed which use a 10-bit CRC, therefore the 16-bit CRC in Annex H should be sufficient.

In general, Q4/SG15 provides generic TPS-TC interfaces in its Recommendations. We encourage IEEE 802.3ah to provide us precise requirements of a desired interface and we are open to investigate a new TPS-TC that meets your requirements.

We would be happy to consult with you further on this matter in any manner you may see fit.

Kind regards,

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