

IEEE 802.3 Ethernet Working Group Liaison Communication

Source: IEEE 802.3 Working Group¹

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Subject: Liaison response to ITU-T SG15 on IMT-2020/5G in the Transport Network

Approval: Agreed to at IEEE 802.3 Plenary Meeting, Berlin, Germany, 13th July 2017

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

Thank you for your recent liaison informing the IEEE 802.3 Ethernet Working Group of your work on a new Technical Report regarding "Transport network support of IMT-2020/5G".

While IEEE 802.3 has not developed any interfaces targeted specifically at mobile network applications, Ethernet interfaces are widely used in this space, and mobile backhaul applications are frequently part of the justification for projects to specify new Ethernet PHYs with higher signaling rates or longer reach. Given the role of Ethernet in client side optics supporting the Optical Transport Network, we look forward to the reference model and understanding the possible roles that Ethernet may play in the IMT-2020/5G transport network. The deployment scenarios could also prove useful in understanding the wired interconnect needs of IMT-2020/5G Networks and any potential gaps in the Ethernet family

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.

of standards to address the various interfaces and their bandwidth, latency, and synchronization requirements.

Please keep us informed regarding progress on this report. This report, with its clarified terminology, will be useful for future communications between our two groups.

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group