IEEE 802.3 Ethernet Working Group
<mark>DRAFT</mark> Liaison Communication

Source: IEEE 802.3 Working Group[1]

To: Malcom Betts   Chairman, WP3/15
                                malcolm.betts@zte.com.cn

            Glenn Parsons   Vice-Chairman, WP3/15
                                glenn.parsons@ericsson.com

            Steve Trowbridge   Chairman, ITU-T Study Group 15
                                steve.trowbridge@nokia.com

            Hiroshi Ota   Advisor, ITU-T Study Group 15
                                hiroshi.ota@itu.int

            Stephen Shew   Rapporteur, ITU-T Question 12/15
                                sshew@ciena.com

            Steve Gorshe   Rapporteur, ITU-T Question 11/15
                                Steve.Gorshe@microsemi.com

CC: Konstantinos   Secretary, IEEE-SA Standards Board
            Karachalios   Secretary, IEEE-SA Board of Governors
                                sasecretary@ieee.org

            Paul Nikolich   Chair, IEEE 802 LMSC
                                p.nikolich@ieee.org

            Adam Healey   Vice-chair, IEEE 802.3 Ethernet Working Group
                                adam.healey@broadcom.com

            Pete Anslow   Secretary, IEEE 802.3 Ethernet Working Group
                                panslow@ciena.com

From: David Law   Chair, IEEE 802.3 Ethernet Working Group
                                dlaw@hpe.com

Subject: Liaison to ITU-T Study Group 15 from IEEE 802.3 on IMT-2020/5G in the
            Transport Network

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

---

[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.

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 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