IEEE 802.3 Ethernet Working Group
EC REVIEW DRAFT Liaison Communication

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Subject: Liaison letter to ITU-T on Ethernet Bandwidth Assessment

Approval: Agreed to by IEEE 802.3 Ethernet Working Group by email ballot, 3rd April, 2020.

Dear Mr Trowbridge, Mr Lehmann, Mr Li and members of ITU-T Study Group 15 ITU-T Study Group 13, and ITU-T Focus Group on technologies for Network 2030;

The IEEE 802.3 Ethernet Working Group would like to inform you that the IEEE 802.3 Industry Connections New Ethernet Applications (NEA) Ad hoc completed the update to the 2012 Ethernet Bandwidth Assessment, as its assessment report was approved by the IEEE 802.3 Ethernet Working Group. The assessment is publicly available for download at <http://www.ieee802.org/3/ad_hoc/bwa2/BWA2_Report.pdf>. Please note that a supporting

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[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.

tutorial presentation is available for download at <http://www.ieee802.org/3/ad_hoc/ngrates/public/calls/20_0323/BWA_Tutorial_a_200323.pdf>.

The findings of the update to the Ethernet Bandwidth Assessment Ad hoc illustrated a broad diversity in forecasted bandwidth requirements for 2025, ranging anywhere from 2.3x to 55.4x the traffic levels of 2017.

Based on these findings, initial discussions regarding a new higher speed Ethernet rate(s) have begun in the IEEE 802.3 NEA Ad hoc, and may be found at:

- http://www.ieee802.org/3/ad_hoc/ngrates/public/calls/19_1217/index.html
- http://www.ieee802.org/3/ad_hoc/ngrates/public/20_01/index.html

Please note that while there are no official activities underway related to a new higher speed of Ethernet, such discussions would be appropriate for the IEEE 802.3 NEA Ad hoc. The goal of this activity is to assess requirements for new Ethernet-based applications, identify gaps not currently addressed by IEEE 802.3 standards, and facilitate building industry consensus towards proposals to initiate new standards development efforts.

Therefore, the IEEE 802.3 Working Group encourages interested individuals to join this reflector in order to become promptly aware of any such future discussions in the ad hoc. Details regarding joining the IEEE 802.3 NEA Ad hoc reflector may be found at http://www.ieee802.org/3/ad_hoc/ngrates/reflector.html.

We appreciate your cooperation in past efforts and look forward to continued dialogue with the members of ITU-T Study Group 15, ITU-T Study Group 13, and ITU-T Focus Group on technologies for Network 2030.

Sincerely,
David Law
Chair, IEEE 802.3 Ethernet Working Group