

IEEE 802.3 Ethernet Working Group  
**DRAFT** Liaison Communication

Source: IEEE 802.3 Working Group<sup>1</sup>

To: Steve Trowbridge Chairman, ITU-T Study Group 15  
[steve.trowbridge@nokia.com](mailto:steve.trowbridge@nokia.com)

Peter Stassar Rapporteur, ITU-T Q6/15  
[Peter.Stassar@huawei.com](mailto:Peter.Stassar@huawei.com)

Steve Gorshe Rapporteur, ITU-T Q11/15  
[steve.gorshe@microsemi.com](mailto:steve.gorshe@microsemi.com)

Hiroshi Ota Advisor, ITU-T Study Group 15  
[tsbsg15@itu.int](mailto:tsbsg15@itu.int)

Dr. Leo Lehmann Chairman, ITU-T Study Group 13  
[Leo.lehmann@ties.itu.int](mailto:Leo.lehmann@ties.itu.int)

Tatiana Kurakova Counsellor, ITU-T Study Group 13  
[tsbsg13@itu.int](mailto:tsbsg13@itu.int)

Richard Li Chairman, ITU-T Focus Group on Technologies for Network 2030  
[renwei.li@huawei.com](mailto:renwei.li@huawei.com)

CC: Konstantinos Karachalios Secretary, IEEE-SA Standards Board  
Secretary, IEEE-SA Board of Governors  
[sasecretary@ieee.org](mailto:sasecretary@ieee.org)

Paul Nikolich Chair, IEEE 802 LMSC  
[p.nikolich@ieee.org](mailto:p.nikolich@ieee.org)

Adam Healey Vice-chair, IEEE 802.3 Ethernet Working Group  
[adam.healey@broadcom.com](mailto:adam.healey@broadcom.com)

Pete Anslow Secretary, IEEE 802.3 Ethernet Working Group  
[panslow@ciena.com](mailto:panslow@ciena.com)

John D'Ambrosia Chair, IEEE 802.3 New Ethernet Applications Ad hoc  
[jdambrosia@ieee.org](mailto:jdambrosia@ieee.org)

From: David Law Chair, IEEE 802.3 Ethernet Working Group  
[dlaw@hpe.com](mailto:dlaw@hpe.com)

Subject: Liaison letter to ITU-T Study Group 15, ITU-T Study Group 13, and ITU-T Focus Group on technologies for Network 2030 on Ethernet Bandwidth Assessment

Approval: Agreed to at IEEE 802.3 interim meeting, Spokane, WA, USA, 13 Sept 2018

---

<sup>1</sup> 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 Dr. Trowbridge, Dr. 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 it has begun the task of updating its 2012 Ethernet Bandwidth Assessment. This effort will focus on gathering information throughout 2019 that will enable an evaluation of the future bandwidth needs of various Ethernet wireline applications, such as core networks, datacenter networks, mobile xHaul networks, access networks, enterprise networks, and computing. Information regarding growth for user connectivity, connectivity rates, and application bandwidth needs would also be appreciated. It should be noted that the role of this assessment will be to gather information, not make recommendations or initiate a new project within the IEEE.

This evaluation will be performed within the IEEE 802.3 New Ethernet Applications (NEA) Ad hoc and will enable the generation of material that can be used for future reference by an appropriate related standards activity. The IEEE 802.3 NEA Ad Hoc operates using both face-to-face and teleconference meetings, at which the Ad Hoc encourages individuals with relevant information to participate and provide input. The group's website is [http://www.ieee802.org/3/ad\\_hoc/bwa2/index.html](http://www.ieee802.org/3/ad_hoc/bwa2/index.html), and a general overview can be found at [http://www.ieee802.org/3/ad\\_hoc/ngrates/public/18\\_09/dambrosia\\_bwa\\_01\\_0918.pdf](http://www.ieee802.org/3/ad_hoc/ngrates/public/18_09/dambrosia_bwa_01_0918.pdf).

Any data regarding prior or future data throughput trends that you may be able to share with us, such as Report ITU-R M.2370-0, "IMT traffic estimates for the years 2020 to 2030," would be gratefully received.

We look forward to any information that your organization would be willing to share with us for this endeavor. If there are any questions, please feel free to contact John D'Ambrosia, Chair, IEEE 802.3 NEA Ad hoc, at [jdambrosia@ieee.org](mailto:jdambrosia@ieee.org).

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group