

IEEE 802.3 Ethernet Working Group Ethernet Bandwidth Assessment

Request for Information

Source: IEEE 802.3 Working Group¹

Subject: Request for Information

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

On behalf of the IEEE 802.3 Ethernet Working Group, I would like to inform the reader that the IEEE 802.3 New Ethernet Applications Ad hoc has initiated the second Ethernet Bandwidth Assessment. This effort is a follow-up to the first Ethernet Bandwidth Assessment published July of 2012, which is publicly available at http://www.ieee802.org/3/ad_hoc/bwa/BWA_Report.pdf.

The group's website is 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.

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. Any data related to prior or future data throughput trends that you may be able to share with us would be gratefully received.

We look forward to future submissions from the industry at large. If there are any questions, please feel free to contact the IEEE 802.3 New Ethernet Applications Ad hoc Chair, John D'Ambrosia <jdambrosia@ieee.org>.

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group

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.