



IEEE 802

Local and Metropolitan Area Network Standards Committee

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Subject: Letter of Endorsement, Industry Connections ICAID – New Ethernet Applications
Approval: Agreed to by IEEE 802 LMSC EC on 4th Aug 2020 teleconference

Dear Mr Lu and Members of IEEE-SA Industry Connections Committee (ICCom),

This letter is to convey the approval of the attached ICAID for the renewal of “New Ethernet Applications” (NEA) Industry Connections activity, reference document [#ec-20-0169-00-00EC](#), by

¹ This document solely represents the views of the IEEE 802 LMSC, and does not necessarily represent a position of the IEEE or the IEEE Standards Association.

the IEEE 802 Local and Metropolitan Area Network Standards Committee (LMSC).

This Industry Connections activity has been a successful endeavor within IEEE 802, leading to the development of a multitude of IEEE 802.3 Ethernet standards since its initial formation in 2015. Since its last renewal in 2018, the following standardization activities targeting Ethernet applications have leveraged the Industry Connections NEA Activity: (1) lower cost, short reach, optical interconnects based on 100 Gb/s wavelengths; (2) Precision Time Protocol (PTP) Timestamping Accuracy; (3) Multi-Gigabit Optical Automotive Ethernet; (4) 10 Mb/s Single Pair Multidrop Segments Enhancements; (5) 100 Gb/s over dense wavelength-division multiplexing (DWDM) systems; (6) 400 Gb/s over DWDM systems; and (7) Greater than 10 Gb/s Electrical Automotive Ethernet. Furthermore, additional activities leveraging the NEA Industry Connections activity include the industry-wide Ethernet bandwidth assessment which has spawned interest in the IEEE 802.3 Ethernet Working Group to begin developing consensus building for a “Beyond 400 Gigabit Ethernet” (GbE) Call-for-Interest, which is the first step in the IEEE 802.3 Ethernet Working Group towards a new standardization project. The successful start of this effort would likely fuel the continuing expansion of the Ethernet family through other new standards efforts targeting the next speed of Ethernet beyond 400 Gb/s Ethernet.

The IEEE 802 LMSC will serve as the sponsoring committee of this Industry Connections activity, with direct oversight delegated to the IEEE 802.3 Ethernet Working Group. The following documents will guide the operation of this activity: (1) IEEE 802 LMSC Operations Manual; (2) IEEE 802 Policies & Procedures; (3) IEEE 802 Working Group Policies and Procedures and (4) IEEE 802.3 Operations Manual.

Given the on-going success of this activity in spawning new Ethernet standardization activities within the IEEE 802.3 Ethernet Working Group, IEEE 802 LMSC endorses the approval of this ICAID and the continuation of this activity.

Sincerely,

Paul Nikolich

Chair, IEEE 802 Local and Metropolitan Area Network Standards Committee