IEEE 802.3 Ethernet Working Group
Liaison Communication

Source: IEEE 802.3 Working Group[1]

To: Steve Trowbridge   Chair, ITU-T SG15
                                      steve.trowbridge@nokia.com

            Jean-Marie Fromenteau   Rapporteur, ITU-T Q1/15
                                      fromentejm@corning.com

            Dekun Liu   Associate Rapporteur, Q1/15
                                      liudekun@huawei.com

            Hiroshi Ota   Advisor, ITU-T SG15
                                      tsbsg15@itu.int

CC: Konstantinos Karachalios Secretary, IEEE-SA Standards Board
                                      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

            Jon Lewis   Secretary, IEEE 802.3 Ethernet Working Group
                                      jon.lewis@dell.com

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

Subject: IEEE 802.3 liaison response to ITU-T SG15: ANT Standardization Work Plan

Approval: Agreed to at IEEE 802.3 plenary teleconference meeting, 11th March 2021

Dear Mr Trowbridge and members of ITU-T SG15,

Following the recent liaison exchange between our groups on the topic of Access Network Transport (ANT) Standardization Work Plan, we would like to update you on the activities within the IEEE 802.3 Working Group, which might be of interest to SG15.

Since our last communication, there were several changes in the status of access-related projects within the IEEE 802.3 Working Group:

- The IEEE P802.3cp Task Force is continuing its technical work on the development of bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s optical access PHYs, supporting operating distances of at least 10 km, at least 20 km, and at least 40 km.

  More information about the IEEE P802.3cp Task Force, including the PAR, CSD, and Objectives, can be found at the following URL: http://www.ieee802.org/3/cp/index.html. The draft standard for this Task Force is currently in the IEEE SA Ballot stage.

---

[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.

- The IEEE P802.3cs Task Force is continuing its technical work on the development of increased-reach Ethernet optical subscriber access (so-called Super-PON), supporting a passive point-to-multipoint ODN with a reach of at least 50 km with at least 1:64 split ratio per wavelength pair, with at least 16 wavelength pairs for point-to-multipoint PON operation. Operation of 10 Gb/s downstream and 2.5 Gb/s and 10 Gb/s is also expected.

  More information about the IEEE P802.3cs Task Force, including the PAR, CSD, and Objectives, can be found at the following URL: http://www.ieee802.org/3/cs/index.html.

  The draft standard for this Task Force is currently in the IEEE 802.3 Working Group ballot stage.

- The IEEE P802.3cx Task Force has started its technical work on the development of optional enhancements to Ethernet support for time synchronization protocols to provide improved timestamp accuracy in support of ITU-T Recommendation G.8273.2 'Class C' and 'Class D' system time error performance requirements.

  More information about the IEEE P802.3cx Task Force, including the PAR, CSD, and Objectives, can be found at the following URL: http://www.ieee802.org/3/cx/index.html.

  The draft standard for this Task Force is currently in the Task Force review stage. The adopted timeline calls for the start of the IEEE 802.3 Working Group ballot in the second half of 2021.

We wish to thank the leadership and members of ITU-T SG15 for the opportunity to coordinate references to our work programs and we look forward to such continuing cooperation with ITU-T SG15 in the future.

Sincerely,
David J. Law
Chair, IEEE 802.3 Ethernet Working Group