IEEE 802.3 Ethernet Working Group
Liaison Communication

Source: IEEE 802.3 Working Group[1]

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Subject: Liaison reply to ITU-T SG15: ANT Standardization Work Plan

Approval: Agreed to at IEEE 802.3 plenary teleconference meeting, 23rd July 2020

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 P802.3ca Task Force has completed its work, with the amendment to IEEE Std 802.3-2018 approved on 4th June 2020 and published on 3rd July 2020. More information about the IEEE P802.3ca Task Force can be found at the following URL: http://ieee802.org/3/ca/index.html, including the PAR, CSD, and Objectives for this project.
- The IEEE P802.3.2 (IEEE 802.3cf) YANG Data Model(s) Task Force has completed

[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 development of the standard for YANG data models for:

- Selected MAC/RS and PHYs,
- Multi-Point Control Protocol (MPCP),
- DTE Power via Medium Dependent Interface (MDI), and
- Operations, Administration, and Maintenance (OAM).

These current approved YANG data models are available in a machine-readable format in the GitHub repository: https://github.com/YangModels/yang/tree/master/standard/ieee/published/802.3.

More information about the IEEE P802.3.2 (IEEE 802.3cf) Task Force, including the PAR, CSD, and Objectives, can be found at the following URL: http://www.ieee802.org/3/cf/index.html.

- The IEEE P802.3cp Task Force has started 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 (D2.0) is stored in the private area and it is currently in the IEEE 802.3 Working Group Ballot stage.

- The IEEE P802.3cs Task Force has started 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 currently adopted timeline for this project anticipates the beginning of the IEEE 802.3 Working Group Ballot by the end of 2020.

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,
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Chair, IEEE 802.3 Ethernet Working Group