IEEE 802.3 Ethernet Working Group
EC REVIEW DRAFT Liaison Communication

Source: IEEE 802.3 Working Group[1]

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

Approval: Agreed to at IEEE 802.3 interim meeting, Salt Lake City, UT, USA, 23rd May 2019

Dear Mr Trowbridge and members of ITU-T SG15,

Thank you for your liaison statement from October 2018 concerning the OTNT Standardization Workplan.

Concerning aspects of this workplan and other activity within Study Group 15, please be aware of the following:

There are now three approved and published Amendments in-force to IEEE Std 802.3-2018:

- Amendment 1: IEEE Std 802.3cb-2018, 2.5 Gb/s and 5 Gb/s Operation over Backplane, was approved by the Standards Board on 27 September 2018 and published on 4 January 2019.
- Amendment 2: IEEE Std 802.3bt-2018, Power over Ethernet over 4 Pairs, was approved by the Standards Board on 27 September 2018 and published on 31 January 2019.
- Amendment 3: IEEE Std 802.3cd-2018, Media Access Control Parameters for 50 Gb/s and Physical Layers and Management Parameters for 50 Gb/s, 100 Gb/s, and

[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.

200 Gb/s Operation, was approved by the Standards Board on 6 December 2018 and published on 15 February 2019.

The current version of the Ethernet MIBs standard is published as IEEE Std 802.3.1-2013. There has been no proposal to update this SNMP MIB document to cover the new features present in IEEE Std 802.3-2018, however, there is a new document IEEE Std 802.3.2-2019, Ethernet YANG models, which was approved by the Standards Board on 26 March 2019 and is currently awaiting publication.

The following Task Forces, Study Groups, and ad hoc groups are currently active within the IEEE 802.3 Working Group:

- The IEEE P802.3ca 25 Gb/s and 50 Gb/s Passive Optical Networks Task Force has just begun the Working Group ballot phase.
- The IEEE P802.3cg 10 Mb/s Single Pair Ethernet Task Force is in the Standards Association ballot phase. (Note that “Standards Association Ballot” refers to the process formerly known as “Sponsor Ballot”).
- The IEEE P802.3ch Multi-Gig Automotive PHY Task Force has just begun the Working Group ballot phase.
- The IEEE P802.3ck 100 Gb/s, 200 Gb/s, and 400 Gb/s Electrical Interfaces Task Force is in the proposal selection phase.
- The IEEE P802.3cm 400 Gb/s over Multimode Fiber Task Force is in the Working Group ballot phase.
- The IEEE P802.3cn 50 Gb/s, 200 Gb/s, and 400 Gb/s over greater than 10 km of SMF is in the Working Group ballot phase.
- The IEEE P802.3cq Power over Ethernet over 2 pairs (Maintenance #13) Task Force is in the Working Group ballot phase.
- The P802.3cr Isolation (Maintenance #14) Task Force is in the proposal selection phase.
- The IEEE P802.3cs Increased-reach Ethernet optical subscriber access (Super-PON) Task Force is in the proposal selection phase.
- The IEEE P802.3ct 100 Gb/s and 400 Gb/s over DWDM systems Task Force is in the proposal selection phase.
- The IEEE P802.3cu 100 Gb/s and 400 Gb/s over SMF at 100 Gb/s per Wavelength Task Force is in the proposal selection phase.

There is one active Study Group, which is a study activity that has not yet reached the stage of an approved Project Authorization Request (PAR), Criteria for Standardization Development (CSD), or project objectives:

- The Greater than 10 Gb/s Automotive Ethernet Electrical PHYs Study Group

Concerning the OTNT Standardization work plan itself:

- We assume that Part I Section 2, “Reports from other organizations” will be replaced with information from the latest communications at your next meeting, and there is no need to comment to transform information sent in November 2017 to the information we are providing in this response.
- We noted a mention in the OIF-related part of the report on page 12, clause 4.2.1, a mention of “IEEE Std 802.3bs”. While we recognize this is likely a quote from the OIF project scope, given that IEEE Std 802.3bs-2017 has been superseded once it was integrated into IEEE Std 802.3-2018, it might be helpful to the reader to add a

parenthetical remark “(now integrated into IEEE Std 802.3-2018)” after the reference to IEEE Std 802.3bs, which is no longer a standard in force.

- Pages 20-21, clause 4.7.1.2 should be updated per the contents of this liaison communication.
- Page 29, Table 4 should add recently approved IEEE 802.3 standards and amendments described in this liaison communication. Likely of most interest to ITU-T SG15 would be IEEE Std 802.3.2-2018 and IEEE Std 802.3cd-2019.

Thank you for the opportunity to review and comment on this workplan. We look forward to continued collaboration between ITU-T Study Group 15 and the IEEE 802.3 Working Group.

Sincerely,
David Law
Chair, IEEE 802.3 Ethernet Working Group