

IEEE 802.3 Ethernet Working Group Liaison Communication

Source: IEEE 802.3 Working Group¹

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Subject: Liaison Response to ITU-T Study Group 15 from IEEE 802.3 on OTNT Standardization Workplan

Approval: Agreed to at IEEE 802.3 Interim meeting, Fort Worth, TX, USA, 15th Sept 2016

Dear Mr. Trowbridge and members of ITU-T Study Group 15,

Thank you for your liaison statement on the OTNT Standardization Workplan of February 2016.

We are pleased to inform you that four 802.3 amendments were approved by the standards board on 30th June 2016:

- IEEE Std 802.3by-2016 - *Media Access Control Parameters, Physical Layers, and Management Parameters for 25 Gb/s Operation*, which was published on 29th July 2016.
- IEEE Std 802.3bq-2016 – *Physical Layer and Management Parameters for 25 Gb/s and 40 Gb/s Operation, Types 25GBASE-T and 40GBASE-T*, which was published on 8th September 2016.
- IEEE Std 802.3bp-2016 - *Physical Layer Specifications and Management Parameters for 1 Gb/s Operation over a Single Twisted Pair Copper Cable*, which was published on 9th September 2016.

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.

- IEEE Std 802.3br-2016 - *Specification and Management Parameters for Interspersing Express Traffic* – pending publication.

The following are the IEEE 802.3 standards currently in force:

- The base standard, IEEE Std 802.3-2015, was approved by the Standards Board on 3rd September 2015 and was published on 4th March 2016.
- Five amendments are currently in force: the four mentioned above, and IEEE Std 802.3bw-2015 (Amendment 1: Physical Layer Specifications and Management Parameters for 100 Mb/s Operation over a Single Balanced Twisted Pair Cable (100BASE-T1)) which was approved by the Standard Board on 26th October 2015 and published on 8th March 2016.
- The current version of the Ethernet MIBs standard is published as IEEE Std 802.3.1-2013.

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

- The IEEE P802.3bn EPON Protocol over Coax (EPoC) Task Force has completed the Sponsor Ballot phase and the draft has been forwarded to RevCom and the Standards Board for future approval and publication.
- The IEEE P802.3bs 200 Gb/s and 400 Gb/s Ethernet Task Force is currently in the Working Group ballot phase. Note that 200 Gb/s operation over single-mode fiber has recently been added to the scope of this project. A copy of Draft 2.0 has been sent to ITU-T Q6/15 and Q11/15 in a separate liaison communication.
- The IEEE P802.3bt DTE Power via MDI over 4-Pair Task Force is currently in the Working Group Ballot phase.
- The IEEE P802.3bu 1-Pair Power over Data Lines (PoDL) Task Force is currently in the Sponsor Ballot phase.
- The IEEE P802.3bv Gigabit Ethernet Over Plastic Optical Fiber Task Force is currently in the Sponsor Ballot phase.
- The IEEE P802.3bz 2.5G/5GBASE-T Task Force has completed the Sponsor Ballot phase and the draft has been forwarded to RevCom and the Standards Board for future approval and publication.
- The IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s Passive Optical Networks Task Force is in the proposal selection phase.
- The IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Task Force is in the Working Group ballot phase. Note that copper cable objectives have been removed from this project since our last communication.
- The IEEE P802.3cc 25 Gb/s Ethernet over Single-Mode Fiber Task Force is in the Task Force review phase.
- The IEEE P802.3cd 50 Gb/s, 100 Gb/s, and 200 Gb/s Ethernet Task Force is in the proposal selection phase.
- A corrigendum identified as IEEE 802.3ce on multilane timestamping is currently in the Working Group ballot phase.
- The YANG Data Model(s) Study Group has submitted a PAR, Criteria for Standards Development (CSD), and Project objectives that, pending approval, will result in the creation of the YANG Data Model(s) Task Force. This is expected to lead to a new IEEE Std 802.3.2, fulfilling the same purpose as IEEE Std 802.3.1-2013, but based on YANG rather than SNMP.

Some specific comments on the document which you sent to us in February 2016:

- In clause 5.6.1.1, there are lists of 100GBASE-R Ethernet PMDs in both the first and second paragraph: since all of the prior work of the IEEE P802.3ba, IEEE P802.3bg, IEEE P802.3bj and IEEE P802.3bm task forces are now integrated into IEEE Std 802.3-2015, all of the PMDs can be listed together and in a common format.
- The introductory paragraphs of Clause 5.6.1.11 can be updated with the information above concerning the base IEEE Std 802.3-2015 and the five approved amendments described above.
- The list of active work in IEEE 802.3 in clause 5.6.1.11 can be updated per the information provided above.
- The four recently approved Amendments can be added to Table 7-1-3.

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