

## IEEE 802.3 Ethernet Working Group Liaison Communication

Source: IEEE 802.3 Working Group<sup>1</sup>

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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 meeting New Orleans, LA, USA, 25 May 2017

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

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

We are pleased to inform you that four additional 802.3 amendments and a corrigendum have been approved and published since our last communication:

- IEEE Std 802.3bz-2016 - *Media Access Control Parameters, Physical Layers, and Management Parameters for 2.5 Gb/s and 5 Gb/s Operation*, Types 2.5GBASE-T and 5GBASE-T, was approved on 22 September 2016 and published on 18 October 2016.
- IEEE Std 802.3bn, *Physical Layer Specifications and Management Parameters for Ethernet Passive Optical Networks Protocol over Coax*, was approved on 22 September 2016 and published on 7 December 2016.

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<sup>1</sup> 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 802.3bu-2016 – *Physical Layer and Management Parameters for Power over Data Lines (PoDL) of Single Balanced Twisted-Pair Ethernet*, was approved on 7 December 2016 and published on 7 February 2017.
- IEEE Std 802.3bv-2017 - *Physical Layer Specifications and Management Parameters for 1000 Mb/s Operation Over Plastic Optical Fiber*, was approved on 14 February 2017 and published on 14 March 2017.
- IEEE Std 802.3-2015 Cor 1-2017 – *Multi-lane Timestamping*, was approved on 23 March 2017 and published on 21 April 2017.

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 3 September 2015 and was published on 4 March 2016.
- Nine amendments and a corrigendum are currently in force: the five recently published documents mentioned above, plus:
  - IEEE Std 802.3bw-2015 - *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 26 October 2015 and published on 8 March 2016.
  - IEEE Std 802.3by-2016 - *Media Access Control Parameters, Physical Layers, and Management Parameters for 25 Gb/s Operation*, which was approved on 30 June 2016 and published on 29 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 approved on 30 June 2016 and published on 8 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 approved on 30 June 2016 and published on 9 September 2016.
  - IEEE Std 802.3br-2016 - *Specification and Management Parameters for Interspersing Express Traffic* – which was approved on 30 June 2016 and published on 14 October 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 P802.3bs 200 Gb/s and 400 Gb/s Ethernet Task Force is currently in the Sponsor ballot phase. A copy of Draft 3.1 has been sent to ITU-T Q6/15 and Q11/15 in a separate liaison communication.
- The P802.3bt DTE Power via MDI over 4-Pair Task Force is currently in the Working Group Ballot phase.
- The P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s Passive Optical Networks Task Force is in the proposal selection phase.

- The 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 P802.3cc 25 Gb/s Ethernet over Single-Mode Fiber Task Force is in the Sponsor ballot phase.
- The P802.3cd 50 Gb/s, 100 Gb/s, and 200 Gb/s Ethernet Task Force has just begun the Working Group ballot phase.
- The P802.3cg 10 Mb/s Single Twisted Pair Ethernet Task Force is in the proposal selection phase.
- The P802.3ch Multi-Gig Automotive PHY Task Force is in the proposal selection phase.
- The P802.3.2 (802.3cf) YANG Data Model Definition Task Force is in the proposal selection phase.

In addition to the projects described above, a PAR has been approved for the next revision project, which is expected to become IEEE Std 802.3-2018 once completed. This is expected to update IEEE Std 802.3-2015 by including the nine approved amendments and corrigendum, and should work proceed as expected, also the amendments resulting from P802.3bs, P802.3cb, P802.3cc, and all ready-for-ballot maintenance requests. All other active projects are expected to become amendments to IEEE Std 802.3-2018.

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

- In Table 1, the status of the P802.3bs and P802.3cd projects can be updated per the information provided above. Study Group 15 may also have interest in the P802.3cc 25 Gb/s Ethernet project.
- The status of IEEE 802.3 projects as indicated in clause 4.5.1.11 can be updated per the above information.
- The list of in-force IEEE 802.3 standards in Table 6 can be updated per the above information.

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