

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 work plan

Approval: Agreed to at IEEE 802.3 Plenary meeting, Dallas, TX, USA, 12th November
2015

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

Thank you for your liaison statement on the Optical Transport Networks and Technologies (OTNT) standardization work plan of July 2015.

We are pleased to inform you that the 802.3 revision was approved by the Standards Board on 3rd September 2015 and is pending publication. This integrates the amendments approved since 2012, and hence, any references currently have in your documentation to IEEE Std 802.3-2012, IEEE Std 802.3bk-2013, IEEE Std 802.3bj-2014, or IEEE Std 802.3bm-2015 can now be replaced by a reference to the current in force standard IEEE Std 802.3-2015, *Standard for Ethernet*.

The following are the IEEE 802.3 standards currently in force:

- The base standard, as mentioned above, is IEEE Std 802.3-2015, recently approved and pending publication.
- One amendment is currently in force, 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)). This has been approved by the Standards Board and is pending publication.

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 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 just entered the Sponsor ballot phase.
- The IEEE P802.3bp 1000BASE-T1 Task Force is currently in the Sponsor ballot phase.
- The P802.3bq 25G/40GBASE-T Task Force is currently in sponsor ballot phase. Note that the scope of this project was recently expanded to include 25 Gb/s operation, following the introduction of the 25 Gb/s MAC rate by the IEEE P802.3by project.
- The IEEE P802.3br Interspersing Express Traffic (IET) Task Force is about to enter the Sponsor ballot phase.
- The IEEE P802.3bs 400 Gb/s Ethernet Task Force is currently in the Task Force review phase.
- The IEEE P802.3bt DTE Power via MDI over 4-Pair Task Force is currently in the Task Force review phase.
- The IEEE P802.3bu 1-Pair Power over Data Lines (PoDL) Task Force has is currently in Working Group Ballot phase.
- The IEEE P802.3bv Gigabit Ethernet Over Plastic Optical Fiber Task Force has just entered the Working Group ballot phase.
- The IEEE P802.3by 25 Gb/s Ethernet Task Force is in the Sponsor Ballot phase.
- The IEEE P802.3bz 2.5G/5GBASE-T Task force has just entered the Working Group ballot phase.
- The IEEE P802.3ca 25 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 and Short Reach Copper Cable Task Force is in the proposal selection phase.
- New Study Groups have been formed to study:
 - Single Lane 50 Gb/s Ethernet
 - Next Generation 100 Gb/s and 200 Gb/s Ethernet
 - 25 Gb/s PMDs for single mode fiber.

Some specific comments on the document which you sent to us in July 2015:

- In clause 5.5 in the penultimate paragraph there is a list of data rates under development by IEEE 802.3. Please note that there are additional IEEE 802.3 efforts aimed at introducing interfaces with new rates of operation at 50 Gb/s and 200 Gb/s.
- There are a number of places where references to IEEE 802.3 standards can be updated given the approval of the revision project described earlier, with removal of specific references to IEEE Std 802.3bk-2013, IEEE Std 802.3bj-2014, and IEEE Std 802.3bm-2015, including clauses 5.6.1.1, 5.6.1.2, and Table 7-1-3.
- The list of active work in IEEE 802.3 in clause 5.6.1.11 can be updated per the information provided above.

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