

Resolution for the Amendment issues in comments 14, 32, 45, 55, 152, 155, 156, 157, 162, 163, 168, 169, 330,

The following was captured from the current drafts, as found and compiled here to go into the 'Introduction' section of 802.3cb, replacing what is currently there. Be careful, some of the formatting may have been lost while copying.

Editor's Note (to be removed prior to publication): This draft assumes that the below listed other eight amendments will be approved prior to or at the same time as this amendment. Editing instructions in changed clauses are based on this assumption, and the editing instructions will also be changed in publication preparation or during ballot as appropriate based on amendment approval. The following documents were considered when preparing P802.3bv/D3.1: published standards (IEEE Std 802.3-2015, IEEE Std 802.3bw-2015, IEEE Std 802.3by-2016, IEEE Std 802.3bq-2016, IEEE Std 802.3bp-2016), approved drafts (P802.3br/D3.1, P802.3bn/D3.2, and P802.3bz/D3.3), and ballot draft (P802.3bu/D3.1). Subsequent to editing, published standards or later drafts may have been released.

IEEE Std 802.3bw™-2015

Amendment 1—This amendment includes changes to IEEE Std 802.3-2015 and adds Clause 96. This amendment adds 100 Mb/s Physical Layer (PHY) specifications and management parameters for operation on a single balanced twisted-pair copper cable.

IEEE Std 802.3by™-2016

Amendment 2—This amendment includes changes to IEEE Std 802.3-2015 and adds Clause 105 through Clause 112, Annex 109A, Annex 109B, Annex 109C, Annex 110A, Annex 110B, and Annex 110C. This amendment adds MAC parameters, Physical Layers, and management parameters for the transfer of IEEE 802.3 format frames at 25 Gb/s.

IEEE Std 802.3bq™-2016

Amendment 3—This amendment includes changes to IEEE Std 802.3-2015 and adds Clause 113 and Annex 113A. This amendment adds new Physical Layers for 25 Gb/s and 40 Gb/s operation over balanced twisted-pair structured cabling systems.

IEEE Std 802.3bp™-2016

Amendment 4—This amendment includes changes to IEEE Std 802.3-2015 and adds Clause 97 and Clause 98. This amendment adds point-to-point 1 Gb/s Physical Layer (PHY) specifications and management parameters for operation on a single balanced twisted-pair copper cable in automotive and other applications not utilizing the structured wiring plant.

IEEE Std 802.3br™-2016

Amendment 5—This amendment includes changes to IEEE Std 802.3-2015 and adds Clause 99. This amendment adds a MAC Merge sublayer and a MAC Merge Service Interface to support Interspersing Express Traffic over a single link.

IEEE Std 802.3bn™-2016

Amendment 6—This amendment adds the Physical Layer specifications and management parameters for symmetric and/or asymmetric operation of up to 10 Gb/s on point-to-multipoint Radio Frequency (RF) distribution plants comprising either amplified or passive coaxial media. It also extends the operation of Ethernet Passive Optical Networks (EPON) protocols, such as Multipoint Control Protocol (MPCP) and Operation Administration and Management (OAM).

IEEE Std 802.3bz™-2016

Amendment 7—This amendment includes changes to IEEE Std 802.3-2015 and adds Clause 125 and Clause 126. This amendment adds new rates of 2.5 Gb/s and 5 Gb/s and new Physical Layers for operation at 2.5 Gb/s and 5 Gb/s over balanced twisted-pair structured cabling systems.

IEEE Std 802.3bu™-2016

Amendment 8—This amendment includes changes to IEEE Std 802.3-2015 to define a methodology for the provision of power via a single twisted pair to connected Data Terminal Equipment (DTE) with IEEE 802.3 interfaces.

IEEE Std 802.3bv™-20xx

Amendment 9—This amendment includes changes to IEEE Std 802.3-2015 and adds Clause 115 and Annex 115A. This amendment adds point-to-point 1000 Mb/s Physical Layer (PHY) specifications and management parameters for operation on duplex plastic optical fiber (POF) targeting use in automotive, industrial, home-network, and other applications.

IEEE Std 802.3bt-20xx

Amendment 10—This amendment includes changes to IEEE Std 802.3-2015 and replaces Clause 33. This amendment adds power delivery using all four pairs in the structured wiring plant, resulting in greater power being available to end devices. This amendment also allows for lower standby power consumption in end devices and adds a mechanism to better manage the available power budget.

IEEE Std 802.3bs™-20xx

Amendment TBD—This amendment includes changes to IEEE Std 802.3-2015 and adds Clause 116 through Clause 124 and Annex 119A through Annex 120E. This amendment adds MAC parameters, Physical Layers, and management parameters for the transfer of IEEE 802.3 format frames at 200 Gb/s and 400 Gb/s.

IEEE Std 802.3-2015/Cor 1-20xx

Corrigendum 1 - This corrigendum clarifies which lane of the media dependent interface (MDI) of a multilane Physical Layer entity (PHY) is used as the timestamping reference point.

IEEE Std 802.3cb-20xx

Amendment TBD — This amendment includes changes to IEEE Std 802.3-2015 and its amendments, and adds Clause 127 through Clause 130, Annex 69A, Annex 127A, Annex 127B, Annex 128A, Annex 128B, Annex 128C, Annex 128D, Annex 130A, and Annex 130B. This amendment adds new Physical Layers for operation at 2.5 Gb/s and 5 Gb/s over electrical backplanes.

A companion document IEEE Std 802.3.1 describes Ethernet management information base (MIB) modules for use with the Simple Network Management Protocol (SNMP). IEEE Std 802.3.1 is updated to add management capability for enhancements to IEEE Std 802.3 after approval of the enhancements.

IEEE Std 802.3 will continue to evolve. New Ethernet capabilities are anticipated to be added within the next few years as amendments to this standard.