Project Number	Project Type	Working Group	Project Title	Scope	PAR Approval Date	PAR Expiration Date	Invitation Close Date	Ballot Close Date	Project Status
P60802	New	C/LM/802.1 WG	Time-Sensitive Networking Profile for Industrial Automation	This document defines time-sensitive networking profiles for industrial automation. The profiles select features, options, configurations, defaults, protocols, and procedures of bridges, end stations, and LANs to build industrial automation networks. This document also specifies YANG modules defining read-only information available online and offline as a digital data sheet.	21 Sep 2022	31 Dec 2025	NA	NA	Draft Development
P802	Revision	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks: Overview and Architecture	This standard contains descriptions of the IEEE 802(R) standards published by the IEEE for frame-based data networks as well as a reference model (RM) for protocol standards. A specification for the identification of public, private, and standard protocols is included.	24 Mar 2022	31 Dec 2026	NA	NA	Draft Development
P802.1AEdk	Amendment	C/LM/802.1 WG	Standard for Local and metropolitan area networks-Media Access Control (MAC) Security - Amendment 4: MAC Privacy protection	This amendment specifies privacy enhancements that complement existing IEEE Std 802.1AE MAC Security capabilities, and reduce the ability of external observers to correlate user data frames, their sizes, transmission timing and transmission frequency with users identities and activities. It specifies an encapsulation format that allows one or more user data frames and padding octets to be carried within the confidentiality protected data of consolidating frames, hiding the users MAC addresses and original frame sizes. The transmitter can balance the privacy improvement against the loss of efficiency and delay by controlling the sizes of consolidating frames and when they are transmitted. YANG configuration and operational state models are defined both for the existing functionality of IEEE Std 802.1AE and for the functionality to be added by this project. An SNMP MIB will be defined for the added functionality. This amendment also describes privacy considerations for the use, design, and deployment of bridged networks. This project includes technical and editorial corrections to existing IEEE Std 802.1AE functionality.	13 Feb 2020	31 Dec 2024	19 Jul 2022	20 Sep 2022	SA Ballot: Comment Resolution
P802.1ASdm	Amendment	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications - Amendment: Hot Standby	This amendment specifies protocols, procedures, and managed objects for hot standby without use of the Best Master Clock Algorithm (BMCA), for time-aware systems, including: - A function that transforms the synchronized times of two generalized Precision Time Protocol (gPTP) domains into one synchronized time for use by applications; - A function that directs the synchronized time of one gPTP domain into a different gPTP domain; and - Mechanisms that determine whether a gPTP domain has sufficient quality to be used for hot standby. This amendment also addresses errors and omissions in the description of existing functionality.	03 Jun 2020	31 Dec 2024	NA	NA	Draft Development
P802.1ASdn	Amendment	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications - Amendment: YANG Data Model	This amendment specifies a YANG data model that allows configuring and state reporting for all managed objects of the base standard. This amendment specifies a Unified Modeling Language (UML)-based figure to explain the managed objects and the associated YANG data model.	24 Sep 2020	31 Dec 2024	NA	NA	Draft Development
P802.1ASdr	Amendment	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks--Timing and Synchronization for Time-Sensitive Applications - Amendment: Inclusive Terminology	This amendment changes the non-inclusive, insensitive, and deprecated terminology including those identified by IEEE P1588g and IEEE editorial staff, replacing them with their suitable terminology wherever possible.	25 Mar 2021	31 Dec 2025	NA	NA	Draft Development
P802.1ASds	Amendment	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks--Timing and Synchronization for Time-Sensitive Applications - Amendment: Support for the IEEE Std 802.3 Clause 4 Media Access Control (MAC) operating in half-duplex	This amendment specifies protocols, procedures, and managed objects that support IEEE Std 802.3 Clause 4 Media Access Control (MAC) operating in half-duplex while retaining existing functionality and backward compatibility, and remaining a profile of IEEE Std 1588™-2019. This amendment addresses errors and omissions in the description of existing functionality.	23 Feb 2022	31 Dec 2026	NA	NA	Draft Development
P802.1CQ	New	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks: Multicast and Local Address Assignment	This standard specifies protocols, procedures, and management objects for locally-unique assignment of 48-bit and 64-bit addresses in IEEE 802 networks. Peer-to-peer address claiming and address server capabilities are specified.	05 Feb 2016	31 Dec 2024	NA	NA	Draft Development
P802.1CS-2020/Cor 1	Corrigendum	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks--Link-local Registration Protocol - Corrigendum 1 Corrections to YANG Data Model	Correct errors in the YANG module	21 Sep 2022	31 Dec 2026	NA	NA	Draft Development

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P802.1DC	New	C/LM/802.1 WG	Quality of Service Provision by Network Systems	This standard specifies procedures and managed objects for Quality of Service (QoS) features specified in IEEE Std 802.1Q, such as per-stream filtering and policing, queuing, transmission selection, flow control and preemption, in a network system which is not a bridge.	14 May 2018	31 Dec 2024	NA	NA	Draft Development
P802.1DF	New	C/LM/802.1 WG	Time-Sensitive Networking Profile for Service Provider Networks	This standard defines profiles of IEEE Std 802.1Q and IEEE Std 802.1CB that provide Time-Sensitive Networking (TSN) quality of service features for non-fronthaul shared service provider networks. The standard also provides use cases, and informative guidance for network operators on how to configure their networks for those use cases.	08 Feb 2019	31 Dec 2023	NA	NA	Draft Development
P802.1DG	New	C/LM/802.1 WG	Time-Sensitive Networking Profile for Automotive In-Vehicle Ethernet Communications	This standard specifies profiles for secure, highly reliable, deterministic latency, automotive in-vehicle bridged IEEE 802.3 Ethernet networks based on IEEE 802.1 Time-Sensitive Networking (TSN) standards and IEEE 802.1 Security standards.	08 Feb 2019	31 Dec 2023	NA	NA	Draft Development
P802.1DP	New	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks – Time-Sensitive Networking for Aerospace Onboard Ethernet Communications	This standard specifies profiles of IEEE 802.1 Time-Sensitive Networking (TSN) and IEEE 802.1 Security standards for aerospace onboard bridged IEEE 802.3 Ethernet networks. The profiles select features, options, configurations, defaults, protocols, and procedures of bridges, end stations, and Local Area Networks to build deterministic networks for aerospace onboard communications.	03 Dec 2020	31 Dec 2024	NA	NA	Draft Development
P802.1Qcj	Amendment	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks -- Bridges and Bridged Networks - Amendment: Automatic Attachment to Provider Backbone Bridging (PBB) services	This standard specifies the protocols, procedures and management objects for auto-attachment of network devices to Provider Backbone service instances by using Type, Length, Value (TLVs) within the Link Layer Discovery Protocol (LLDP)	11 Jun 2015	31 Dec 2023	NA	NA	Draft Development
P802.1Qcw	Amendment	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks-- Bridges and Bridged Networks - Amendment: YANG Data Models for Scheduled Traffic, Frame Preemption, and Per-Stream Filtering and Policing	This amendment specifies a Unified Modeling Language (UML)-based information model and YANG data models that allow configuration and status reporting for bridges and bridge components (as specified by this standard) with the capabilities currently specified in clauses 12.29 (scheduled traffic), 12.30 (frame preemption) and 12.31 (per-stream filtering and policing) of this standard. It further defines the relationship between the information and data model and models for the other management capabilities specified in this standard. Additionally, this amendment will address errors or omissions to existing features related to the aforementioned clauses.	28 Sep 2017	31 Dec 2023	NA	NA	Draft Development
P802.1Qcz	Amendment	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks-- Bridges and Bridged Networks - Amendment: Congestion Isolation	This amendment specifies protocols, procedures and managed objects that support the isolation of congested data flows within data center environments. This is achieved by enabling systems to individually identify flows creating congestion, adjust transmission selection for packets of those flows, and signal to neighbors. This mechanism reduces head-of-line blocking for uncongested flows sharing a traffic class in lossless networks. Congestion Isolation is intended to be used with higher layer protocols that utilize end-to-end congestion control in order to reduce packet loss and latency. This amendment also addresses errors and omissions in the description of existing functionality.	27 Sep 2018	31 Dec 2024	05 Nov 2020	19 Oct 2022	SA Ballot: Recirculation
P802.1Qdd	Amendment	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks-- Bridges and Bridged Networks - Amendment: Resource Allocation Protocol	This amendment specifies protocols, procedures, and managed objects for a Resource Allocation Protocol (RAP) that uses the Link-local Registration Protocol (LRP) and supports and provides backwards compatibility with the stream reservation and quality of service capabilities, controls and protocols specified in IEEE Std 802.1Q. RAP provides support for accurate latency calculation and reporting, can use redundant paths established by other protocols, and is not limited to bridged networks.	27 Sep 2018	31 Dec 2025	NA	NA	Draft Development
P802.1Qdj	Amendment	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks-- Bridges and Bridged Networks - Amendment: Configuration Enhancements for Time-Sensitive Networking	This amendment specifies procedures, interfaces, and managed objects to enhance the three models of 'Time-Sensitive Networking (TSN) configuration'. It specifies enhancements to the User/Network Interface (UNI) to include new capabilities to support bridges and end stations in order to extend the configuration capability. This amendment preserves the existing separation between configuration models and protocol specifications. This amendment also addresses errors and omissions in the description of existing functionality.	05 Sep 2019	31 Dec 2023	NA	NA	Draft Development
P802.1Qdq	Amendment	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks-- Bridges and Bridged Networks - Amendment: Shaper Parameter Settings for Bursty Traffic Requiring Bounded Latency	This amendment adds an informative annex that describes recommended shaper parameter settings for bursty traffic requiring bounded latency.	21 May 2021	31 Dec 2025	NA	NA	Draft Development

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P802.1Qdt	Amendment	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks - Amendment: Priority-based Flow Control Enhancements	This amendment specifies procedures and managed objects for automated Priority-based Flow Control (PFC) headroom calculation and Media Access Control Security (MACsec) protection of PFC frames, using the existing Precision Time Protocol (PTP) and enhancements to the Data Center Bridging Capability Exchange protocol (DCBX). This amendment places emphasis on the requirements for low latency and lossless transmission in large-scale and geographically dispersed data centers. This amendment also addresses errors of the existing IEEE Std 802.1Q functionality.	13 May 2022	31 Dec 2026	NA	NA	Draft Development
P802.1Qdv	Amendment	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks - Amendment: Enhancements to Cyclic Queuing and Forwarding	This amendment specifies procedures, protocols and managed objects to enhance Cyclic Queuing and Forwarding, comprising: a transmission selection procedure that organizes frames in a traffic class output queue into logical bins that are output in strict rotation at a constant frequency; a procedure for storing received frames into bins based on the time of reception of the frame; a procedure for storing received frames into bins based on per-flow octet counters; a protocol for determining the phase relationship between a transmitter's and a receiver's bin boundaries in time; managed objects, Management Information Base (MIB), and YANG modules for controlling these procedures; and an informative annex to provide guidance for applying these procedures. This amendment also addresses errors and omissions in the description of existing IEEE Std 802.1Q functionality.	21 Sep 2022	31 Dec 2026	NA	NA	Draft Development
P802.1Qdw	Amendment	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks - Amendment: Source Flow Control	This amendment specifies procedures, managed objects, and a YANG data model for the signaling and remote invocation of flow control at the source of transmission in a data center network. This amendment specifies enhancements to the Data Center Bridging Capability (DCBX) protocol to advertise the new capability. This amendment specifies the optional use of existing stream filters to allow bridges at the edge of the network to intercept and convert signaling messages to existing Priority-based Flow Control (PFC) frames. This amendment also addresses technical and editorial corrections to existing IEEE Std 802.1Q functionality.	21 Sep 2022	31 Dec 2026	NA	NA	Draft Development
P802f	Amendment	C/LM/802.1 WG	Standard for Local and Metropolitan Area Networks: Overview and Architecture - Amendment: YANG Data Model for EtherTypes	This amendment specifies YANG modules that contain the EtherType information, including a compact human-readable name and description. The name and description for an initial set of EtherTypes are defined for inclusion in the IEEE Registration Authority EtherType public listing. This amendment also addresses errors and omissions in IEEE Std 802 description of existing functionality.	13 Feb 2020	31 Dec 2024	NA	NA	Draft Development
P802.11	Revision	C/LM/802.11 WG	Standard for Information Technology -- Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks -- Specific Requirements - Part 11: Wireless Local Area Network (LAN) Medium Access Control (MAC) and Physical Layer (PHY) Specifications	The scope of this standard is to define one medium access control (MAC) and several physical layer (PHY) specifications for wireless connectivity for fixed, portable, and moving stations (STAs) within a local area.	10 Feb 2021	31 Dec 2025	NA	NA	Draft Development
P802.11az	Amendment	C/LM/802.11 WG	Standard for Information Technology - Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks - Specific Requirements Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications - Enhancements for Positioning	This amendment defines modifications to both the IEEE 802.11 medium access control layer (MAC) and physical layers (PHY) of High Throughput (HT), Very High Throughput (VHT), Directional Multi Gigabit (DMG) and PHYs under concurrent development (e.g. High Efficiency WLAN (HEW), Next Generation 60GHz (NG60)) that enables determination of absolute and relative position with better accuracy than the Fine Timing Measurement (FTM) protocol executing on the same PHY-type, while reducing existing wireless medium use and power consumption and is scalable to dense deployments. This amendment also defines modifications that enable secured exchange of measurement and positioning information. This amendment requires backward compatibility and coexistence with legacy devices. Backward compatibility with legacy 802.11 devices implies that devices implementing this amendment shall (a) maintain data communication compatibility and (b) support the Fine Timing Measurement (FTM) protocol.	15 Feb 2018	31 Dec 2023	19 Aug 2021	29 Sep 2022	RevCom Agenda(02 Dec 2022)

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P802.11bb	Amendment	C/LM/802.11 WG	Standard for Information Technology--Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks--Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications - Amendment: Light Communications	This amendment specifies a new PHY layer and modifications to the IEEE 802.11 MAC that enable operation of wireless light communications (LC). This amendment specifies a PHY that provides: 1) Uplink and downlink operations in 800 nm to 1,000 nm band, 2) All modes of operation achieve minimum single-link throughput of 10 Mb/s as measured at the MAC data service access point (SAP), 3) Interoperability among solid state light sources with different modulation bandwidths. This amendment specifies changes to the IEEE 802.11 MAC that are limited to the following: 1) Hybrid coordination function (HCF) channel access, 2) Overlapping basic service set (OBSS) detection and coexistence, 3) Existing power management modes of operation (excluding new modes), and modifications to other clauses necessary to support these changes.	23 Feb 2022	31 Dec 2024	16 Sep 2022	03 Nov 2022	SA Ballot: Ballot
P802.11bc	Amendment	C/LM/802.11 WG	Standard for Information technology--Telecommunications and information exchange between systems Local and metropolitan area networks--Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications - Amendment: Enhanced Broadcast Service	This amendment specifies modifications to the IEEE 802.11 medium access control (MAC) specifications that enable enhanced transmission and reception of broadcast data both in an infrastructure BSS where there is an association between the transmitter and the receiver(s) and in cases where there is no association between transmitter(s) and receiver(s). This amendment introduces origin authenticity protection for broadcast data frames.	05 Dec 2018	31 Dec 2024	16 Sep 2022	03 Nov 2022	SA Ballot: Ballot
P802.11bd	Amendment	C/LM/802.11 WG	Standard for Information technology--Telecommunications and information exchange between systems Local and metropolitan area networks--Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications - Amendment: Enhancements for Next Generation V2X	This amendment defines modifications to both the IEEE 802.11 Medium Access Control layer (MAC) and Physical Layers (PHY) for vehicle to everything (V2X) communications for 5.9 GHz band as defined in clauses E.2.3 and E.2.4 of IEEE Std 802.11(TM)-2016; and, optionally, in the 60 GHz frequency band (57 GHz to 71 GHz) as defined in clause E.1 of IEEE Std 802.11(TM)-2016. This amendment defines at least one mode that achieves at least 2 times higher throughput (measured at the MAC data service access point) than as in IEEE Std 802.11(TM)-2016 operating at maximum mandatory data rate as defined in the 5.9 GHz band (12 Mb/s in a 10 MHz channel), in high mobility channel environments at vehicle speeds up to 250 km/h (closing speeds up to 500 km/h); this amendment also defines at least one mode that achieves at least 3dB lower sensitivity level (longer range), than that of the lowest data rate defined in IEEE Std 802.11(TM)-2016 operating in 5.9 GHz band (3 Mb/s in a 10 MHz channel); and this amendment defines procedures for at least one form of positioning in conjunction with V2X communications. This amendment shall provide interoperability, coexistence, backward compatibility, and fairness with deployed OCB (Outside the Context of a BSS) devices.	05 Dec 2018	31 Dec 2023	02 Dec 2021	14 Oct 2022	RevCom Agenda (02 Dec 2022)
P802.11be	Amendment	C/LM/802.11 WG	Standard for Information technology--Telecommunications and information exchange between systems Local and metropolitan area networks--Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications - Amendment: Enhancements for Extremely High Throughput (EHT)	This amendment defines standardized modifications to both the IEEE Std 802.11 physical layers (PHY) and the Medium Access Control Layer (MAC) that enable at least one mode of operation capable of supporting a maximum throughput of at least 30 Gbps, as measured at the MAC data service access point (SAP), with carrier frequency operation between 1 and 7.250 GHz while ensuring backward compatibility and coexistence with legacy IEEE Std 802.11 compliant devices operating in the 2.4 GHz, 5 GHz, and 6 GHz bands. This amendment defines at least one mode of operation capable of improved worst case latency and jitter.	21 Mar 2019	31 Dec 2023	NA	NA	Draft Development

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P802.11bf	Amendment	C/LM/802.11 WG	Standard for Information Technology -- Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks -- Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications - Amendment: Enhancements for Wireless Local Area Network (WLAN) Sensing	This amendment defines modifications to the IEEE 802.11 medium access control layer (MAC) and to the Directional Multi Gigabit (DMG) and enhanced DMG (EDMG) PHYs to enhance Wireless Local Area Network (WLAN) sensing (SENS) operation in license-exempt frequency bands between 1 GHz and 7.125 GHz and above 45 GHz. This amendment enables: • Stations to perform one or more of the following: to inform other stations of their WLAN sensing capabilities, to request and setup transmissions that allow for WLAN sensing measurements to be performed, to indicate that a transmission can be used for WLAN sensing, and to exchange WLAN sensing feedback and information, • WLAN sensing measurements to be obtained using transmissions that are requested, unsolicited, or both, and • A MAC service interface for layers above the MAC to request and retrieve WLAN sensing measurements. This amendment defines modifications to the PHY service interface of the High Throughput (HT), Very High Throughput (VHT), High Efficiency (HE) and Extremely High Throughput (EHT) PHYs. This amendment provides backward compatibility and coexistence with legacy IEEE 802.11 devices operating in the same band.	24 Sep 2020	31 Dec 2024	NA	NA	Draft Development
P802.11bh	Amendment	C/LM/802.11 WG	Standard for Information Technology-- Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks--Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications - Amendment: Operation with Randomized and Changing MAC Addresses	This amendment specifies modifications to the medium access control (MAC) mechanisms to preserve the existing services that might otherwise be restricted in environments where STAs in an Extended Service Set (ESS) use randomized or changing MAC addresses, without affecting user privacy. User privacy includes exposure of trackable information to third parties or exposure of an individual's presence or behavior. This amendment introduces mechanisms to enable session continuity in the absence of unique MAC address-to-STA mapping. For STAs in an ESS that use randomized or changing MAC addresses, this amendment preserves the ability to provide customer support, conduct network diagnostics and troubleshooting, and detect device arrival in a trusted environment.	10 Feb 2021	31 Dec 2025	NA	NA	Draft Development
P802.11bi	Amendment	C/LM/802.11 WG	Standard for Information Technology-- Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks--Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications - Amendment: Enhanced Service with Data Privacy Protection	This amendment specifies modifications to the IEEE Std 802.11 medium access control (MAC) specification to specify new mechanisms that address and improve user privacy.	10 Feb 2021	31 Dec 2025	NA	NA	Draft Development
P802.15.13	New	C/LM/802.15 WG	Standard for Multi-Gigabit per Second Optical Wireless Communications (OWC), with Ranges up to 200 meters, for both stationary and mobile devices	This standard defines a Physical (PHY) and Media Access Control (MAC) layer using light wavelengths from 10 000 nm to 190 nm in optically transparent media for optical wireless communications. The standard is capable of delivering data rates up to 10 Gb/s at distances in the range of 200 m unrestricted line of sight. It is designed for point to point and point to multi point communications in both non-coordinated and coordinated topologies. For coordinated topologies with more than one peer coordinator there will be a master coordinator. The standard includes adaptation to varying channel conditions and maintaining connectivity while moving within the range of a single coordinator or moving between coordinators.	03 Jun 2020	31 Dec 2023	29 Oct 2020	21 Oct 2022	SA Ballot: Recirculation
P802.15.14	New	C/LM/802.15 WG	Standard for Impulse Radio Ultra Wideband Wireless Ad Hoc Networks	This standard specifies the physical layer (PHY) and media access control sublayer (MAC) for impulse radio ultra wideband (UWB) wireless ad hoc connectivity with fixed, portable, and moving devices with limited energy consumption requirements, and supports real time precision ranging capability that is accurate to within a few centimeters. PHYs are defined for devices operating in a variety of regulatory domains.	23 Sep 2021	31 Dec 2025	NA	NA	Draft Development

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P802.15.15	New	C/LM/802.15 WG	Standard for Wireless Ad Hoc Networks	This standard specifies the physical layer (PHY) and medium access control (MAC) sublayer for wireless ad hoc network connectivity with fixed, portable, and moving devices with very low energy consumption requirements. PHYs are defined for devices operating in a variety of regulatory domains.	23 Sep 2021	31 Dec 2025	NA	NA	Draft Development
P802.15.3	Revision	C/LM/802.15 WG	Standard for Wireless Multi-Media Networks	This standard defines PHY and MAC specifications for high data rate wireless connectivity (typically over 200 Mb/s) with fixed, portable, and moving devices. Data rates are high enough to satisfy a set of consumer multimedia industry needs, as well as to support emerging wireless switched point-to-point and high rate close proximity point-to-point applications.	08 Dec 2021	31 Dec 2025	NA	NA	Draft Development
P802.15.4	Revision	C/LM/802.15 WG	Standard for Low-Rate Wireless Networks	This standard defines the physical layer (PHY) and medium access control (MAC) sublayer specifications for low-data-rate wireless connectivity with fixed, portable, and moving devices with no battery or very limited battery consumption requirements. In addition, the standard provides modes that allow for precision ranging. PHYs are defined for devices operating in a variety of geographic regions.	21 Sep 2022	31 Dec 2026	NA	NA	Draft Development
P802.15.4ab	Amendment	C/LM/802.15 WG	Standard for Low-Rate Wireless Network - Amendment: Enhanced Ultra Wide-Band (UWB) Physical Layers (PHYs) and Associated Medium Access and Control (MAC) sublayer Enhancements	This amendment enhances the Ultra Wideband (UWB) physical layers (PHYs) medium access control (MAC), and associated ranging techniques while retaining backward compatibility with enhanced ranging capable devices (ERDEVs). Areas of enhancement include: additional coding, preamble and modulation schemes to additional coding, preamble and modulation schemes to support improved link budget and/or reduced air-time relative to IEEE Std 802.15.4 UWB; additional channels and operating frequencies; interference mitigation techniques to support greater device density and higher traffic use cases relative to the IEEE Std 802.15.4 UWB; improvements to accuracy, precision and reliability and interoperability for high-integrity ranging; schemes to reduce complexity and power consumption; definitions for tightly coupled hybrid operation with narrowband signaling to assist UWB; enhanced native discovery and connection setup mechanisms; sensing capabilities to support presence detection and environment mapping; and mechanisms supporting low-power low-latency streaming as well as high data-rate streaming allowing at least 50 Mb/s of throughput. Support for peer-to-peer, peer-to-multi-peer, and station-to-infrastructure protocols are in scope, as are infrastructure synchronization mechanisms. This amendment includes safeguards so that the high throughput data use cases do not cause significant disruption to low duty-cycle ranging use cases.	23 Sep 2021	31 Dec 2025	NA	NA	Draft Development
P802.15.6	Revision	C/LM/802.15 WG	Standard for Local and metropolitan area networks - Part 15.6: Wireless Body Area Networks	The standard defines short-range, wireless communication in the vicinity of, or inside, an environment such as a human body, vehicle body or both, using the Ultra-Wideband (UWB) and narrow-band physical layer (PHY) and medium access control (MAC) to support enhanced dependability in human body area networks (HBAN) in the industrial scientific medical (ISM) bands and local medical regulations. The standard supports quality of service (QoS) and data rates up to 50 Mb/s and incorporates support for vehicle body area networks (VBAN). The standard specifies the coexistence of multiple piconets, including inter-body area network (inter-BAN) interference and inter-piconets interference, simple MAC protocol, and sensing and feedback control loop delay.	13 May 2022	31 Dec 2026	NA	NA	Draft Development
P802.15.7a	Amendment	C/LM/802.15 WG	Standard for Local and Metropolitan Area Networks - Part 15.7: Short-Range Optical Wireless Communications - Amendment: Higher Speed, Longer Range Optical Camera Communication (OCC)	This amendment defines a high-rate Optical Camera Communications (OCC) Physical Layer (PHY) using light wavelengths from 10 000 nm to 190 nm in optically transparent media. It is capable of delivering data rates up to 100 Mb/s and is designed for point-to-point and point-to-multipoint communication. Adaptation to varying channel conditions and maintaining connectivity during high mobility (speeds up to 350 km/h), flicker mitigation, RF co-existence, and a communication range of up to 200 m, are included. MIMO (e.g. MIMO-OFDM) is utilized to deal with high-levels of optical interference while maintaining high-rate data transmission. Relaying mechanisms are included enabling heterogeneous operation with existing RF wireless data communications standards. The Amendment adheres to applicable eye safety regulations.	24 Sep 2020	31 Dec 2024	NA	NA	Draft Development

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P802.16t	Amendment	C/LM/802.15 WG	Standard for Air Interface for Broadband Wireless Access Systems - Amendment - Fixed and Mobile Wireless Access in Narrowband Channels	This project specifies operation in licensed spectrum with channel bandwidths greater than or equal to 5 kHz and less than 100 kHz. The project specifies a new PHY, and changes to the MAC as necessary to support the PHY. The amendment is frequency independent but focuses on spectrum less than 2 GHz. The range and data rate supported by the narrower channels are commensurate with those of the base standard, as scaled by the reduced channel bandwidth. The project also amends IEEE Std 802.16 as required to support aggregated operation in adjacent and non-adjacent channels.	03 Dec 2020	31 Dec 2024	NA	NA	Draft Development
P802.3cw	Amendment	C/LM/802.3 WG	Standard for Ethernet - Amendment: Physical Layers and Management Parameters for 400 Gb/s Operation over DWDM (dense wavelength division multiplexing) systems	Define physical layer specifications and management parameters for the transfer of Ethernet format frames at 400 Gb/s at reaches greater than 10 km over DWDM systems.	13 Feb 2020	31 Dec 2024	NA	NA	Draft Development
P802.3cx	Amendment	C/LM/802.3 WG	Standard for Ethernet Amendment: Media Access Control (MAC) service interface and management parameters to support improved Precision Time Protocol (PTP) timestamping accuracy	Define optional enhancements to Ethernet support for time synchronization protocols to provide improved timestamp accuracy in support of ITU-T Recommendation G.8273.2 'Class C' and 'Class D' system time error performance requirements.	13 Feb 2020	31 Dec 2024	22 Apr 2022	30 Aug 2022	SA Ballot: Comment Resolution
P802.3cy	Amendment	C/LM/802.3 WG	Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for greater than 10 Gb/s Electrical Automotive Ethernet	Specify additions to and appropriate modifications of IEEE Std 802.3 to add greater than 10 Gb/s electrical Physical Layer specifications for symmetrical and asymmetrical operation and management parameters for media and operating conditions for applications in the automotive environment.	03 Jun 2020	31 Dec 2024	30 Sep 2022	NA	SA Ballot: Pre-Ballot
P802.3cz	Amendment	C/LM/802.3 WG	Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for multi-gigabit optical Ethernet using graded-index glass optical fiber for application in the automotive environment	Specify additions to and appropriate modifications of IEEE Std 802.3 to add Physical Layer specifications and management parameters for multi-gigabit optical Ethernet using graded-index glass optical fiber for application in the automotive environment.	13 May 2022	31 Dec 2024	09 Aug 2022	04 Oct 2022	SA Ballot: Comment Resolution
P802.3da	Amendment	C/LM/802.3 WG	Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for Enhancement of 10 Mb/s Operation over Single Balanced Pair Multidrop Segments	Specify additions and modifications of the Physical Layer (including reconciliation sublayers), management parameters, Ethernet support for time synchronization protocols, and optional power delivery supporting multiple powered devices on the 10 Mb/s mixing segment.	03 Jun 2020	31 Dec 2024	NA	NA	Draft Development
P802.3df	Amendment	C/LM/802.3 WG	Standard for Ethernet Amendment: Media Access Control Parameters, Physical Layers and Management Parameters for 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Operation	Define Ethernet MAC parameters, physical layer specifications, and management parameters for the transfer of Ethernet format frames at 800 Gb/s and 1.6 Tb/s over copper, multi-mode fiber, and single-mode fiber, and use this work to define derivative physical layer specifications and management parameters for the transfer of Ethernet format frames at 200 Gb/s and 400 Gb/s.	08 Dec 2021	31 Dec 2025	NA	NA	Draft Development
P802.3dg	Amendment	C/LM/802.3 WG	Standard for Ethernet - Amendment: Physical Layer Specifications and Management Parameters for 100 Mb/s Operation and Associated Power Delivery over a Single Balanced Pair of Conductors	This project will specify additions to and appropriate modifications of IEEE Std 802.3 to add 100 Mb/s Physical Layer specifications and management parameters for operation, and associated optional provision of power, using a single balanced pair of conductors.	24 Mar 2022	31 Dec 2026	NA	NA	Draft Development
P802.3dh	Amendment	C/LM/802.3 WG	Standard for Ethernet - Amendment: Physical Layer Specifications and Management Parameters for multi-gigabit optical Ethernet using graded-index plastic optical fiber for application in the automotive environment	This project will specify additions to and appropriate modifications of IEEE Std 802.3 to add Physical Layer specifications and management parameters for multi-gigabit optical Ethernet using graded-index plastic optical fiber for application in the automotive environment.	13 May 2022	31 Dec 2026	NA	NA	Draft Development