Project Number	Project Type	Working Group	Project Title	Scope	PAR Approval Date	PAR Expiration Date	Invitation Close Date	Ballot Close Date	Project Status
P802.1ASdn	Amendment	C/LAN/MAN/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	23 Sep 2023	07 Jun 2024	SA Ballot: Comment Resolution
P802.1DP	New	C/LAN/MAN/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
P802.1ASdm	Amendment	C/LAN/MAN/802.1 WG	Standard for Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications Amendment: Hot Standby and Clock Drift Error Reduction	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 specifies a Type-Length-Value (TLV) to enable 1 µs time synchronization accuracy over 100 network hops. This amendment also addresses errors and omissions in the description of existing functionality.	05 Jun 2023	31 Dec 2024	17 Dec 2023	03 Jun 2024	SA Ballot: Comment Resolution
P802.1CQ	New	C/LAN/MAN/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
P802.1DC	New	C/LAN/MAN/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	23 Sep 2023	01 Jun 2024	SA Ballot: Comment Resolution
P802.1Qdq	Amendment	C/LAN/MAN/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
P60802	New	C/LAN/MAN/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 specifies YANG modules defining read-only information available online and offline as a digital data sheet. This document also specifies YANG modules for remote procedure calls and actions to address requirements arising from industrial automation networks.	21 Sep 2023	31 Dec 2025	13 Apr 2024	NA	SA Ballot: Pre-Ballot
P802.1Qdd	Amendment	C/LAN/MAN/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
P802.1DG	New	C/LAN/MAN/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 2025	NA	NA	Draft Development
P802	Revision	C/LAN/MAN/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	13 Apr 2024	NA	SA Ballot: Pre-Ballot

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P802.1ASds	Amendment	C/LAN/MAN/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	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.	23 Feb 2022	31 Dec 2026	NA	NA	Draft Development
P802.1Qdw	Amendment	C/LAN/MAN/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
P802.1Qdv	Amendment	C/LAN/MAN/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
P802.1Qdt	Amendment	C/LAN/MAN/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 point-to-point roundtrip measurement 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.	05 Jun 2023	31 Dec 2026	NA	NA	Draft Development
P802.1DU	New	C/LAN/MAN/802.1 WG	Standard for Local and Metropolitan Area Networks – Cut-Through Forwarding Bridges and Bridged Networks	This standard specifies Cut-Through Forwarding (CTF) bridges based on the IEEE 802.1Q bridge architecture, including protocols, procedures, and managed objects. CTF bridges interconnect individual local area networks (LANs) using different or identical media access control (MAC) methods with and without support for CTF. This standard also details the usage of CTF bridges in bridged networks.	05 Jun 2023	31 Dec 2027	NA	NA	Draft Development
P802.1Q	Revision	C/LAN/MAN/802.1 WG	Standard for Local and Metropolitan Area Networks–Bridges and Bridged Networks	This standard specifies Bridges that interconnect individual LANs, each supporting the IEEE 802 MAC Service using a different or identical media access control method, to provide Bridged Networks and VLANs.	05 Jun 2023	31 Dec 2027	NA	NA	Draft Development
P802.1AS	Revision	C/LAN/MAN/802.1 WG	Standard for Local and Metropolitan Area Networks–Timing and Synchronization for Time-Sensitive Applications	This standard specifies protocols, procedures, and managed objects used to ensure that the synchronization requirements are met for time-sensitive applications, such as audio, video, and time-sensitive control, across networks, for example, IEEE 802 and similar media. This includes the maintenance of synchronized time during normal operation and following addition, removal, or failure of network components and network reconfiguration. It specifies the use of IEEE 1588(TM) specifications where applicable in the context of IEEE Std 802.1Q(TM). Synchronization to an externally provided timing signal [e.g., a recognized timing standard such as Coordinated Universal Time (UTC) or International Atomic Time (TAI)] is not part of this standard but is not precluded.	05 Jun 2023	31 Dec 2027	NA	NA	Draft Development
P802.1Qdy	Amendment	C/LAN/MAN/802.1 WG	IEEE Standard for Local and Metropolitan Area Networks - Bridges and Bridged Networks -Amendment: YANG for the Multiple Spanning Tree Protocol	This amendment specifies YANG modules that enable configuration and status reporting for bridges and bridge components for the Multiple Spanning Tree Protocol (MSTP). This amendment addresses MSTP requirements arising from industrial automation networks, updating existing managed objects and updating the existing Management Information Base (MIB) to match the capabilities of the YANG modules.	21 Sep 2023	31 Dec 2027	01 Jun 2024	04 Jul 2024	SA Ballot: Ballot

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P802.1AXdz	Amendment	C/LAN/MAN/802.1 WG	IEEE Standard for Local and Metropolitan Area Networks--Link Aggregation Amendment: YANG for Link Aggregation	This amendment specifies YANG modules that allow configuration and status reporting for systems implementing Link Aggregation, and optionally Distributed Resilient Network Interconnect, based on the capabilities currently specified in clause 7 (management) and Annex D (Management Information Base definitions). This amendment also includes technical and editorial corrections in the description of existing IEEE Std 802.1AX functionality.	15 Feb 2024	31 Dec 2028	NA	NA	Draft Development
P802.1ACea	Amendment	C/LAN/MAN/802.1 WG	IEEE Standard for Local and metropolitan area networks -- Media Access Control (MAC) Service Definition -- Amendment: Support for IEEE Std 802.15.6	This project adds support of the Internal Sublayer Service by the IEEE Std 802.15.6 MAC entity. This amendment also includes technical and editorial corrections in the description of existing IEEE Std 802.1AC functionality.	15 Feb 2024	31 Dec 2028	NA	NA	Draft Development
P802.1CB-2017/Cor 1	Corrigendum	C/LAN/MAN/802.1 WG	IEEE Standard for Local and metropolitan area networks--Frame Replication and Elimination for Reliability - Corrigendum 1	Correction of technical and editorial errors identified and agreed by the IEEE 802.1 Working Group maintenance activity comprising: https://www.802-1.org/items/431, https://www.802-1.org/items/451, https://www.802-1.org/items/456, and https://www.802-1.org/items/471. The management module changes needed are applicable in the context of IEEE Std 802.1CBcv(TM)-2021.	15 Feb 2024	31 Dec 2028	NA	NA	Draft Development
P802.1ASeb	Amendment	C/LAN/MAN/802.1 WG	IEEE Standard for Local and Metropolitan Area Networks--Timing and Synchronization for Time-Sensitive Applications Amendment: Optional Use of Announce	This amendment provides additions and modifications to enable the Announce message functionality to be optional on new implementations, while maintaining the ability for implementations to support backward compatibility, interoperability, and full conformance with IEEE Std 1588™-2019. Protocols, procedures, and managed objects are updated if and as required to reflect the availability and use of Announce. This amendment also includes technical and editorial corrections in the description of existing IEEE Std 802.1AS functionality.	22 May 2024	31 Dec 2028	NA	NA	Draft Development
P802.11bf	Amendment	C/LAN/MAN/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.	21 Mar 2024	31 Dec 2024	05 Apr 2024	12 Jun 2024	SA Ballot: Comment Resolution
P802.11bh	Amendment	C/LAN/MAN/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	15 Feb 2024	09 May 2024	SA Ballot: Comment Resolution

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P802.11bi	Amendment	C/LAN/MAN/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
P802.11	Revision	C/LAN/MAN/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	17 Jun 2023	05 Mar 2024	SA Ballot: Comment Resolution
P802.11be	Amendment	C/LAN/MAN/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 2025	01 Dec 2023	31 May 2024	SA Ballot: Comment Resolution
P802.11bk	Amendment	C/LAN/MAN/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: 320MHz Positioning	This standard defines extensions to positioning mechanisms to support 320 MHz channel operation.	03 Dec 2022	31 Dec 2026	15 Jun 2024	NA	SA Ballot: Invitation
P802.11bn	Amendment	C/LAN/MAN/802.11 WG	IEEE 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 Ultra High Reliability	This amendment defines modifications to both the IEEE Std 802.11 physical layer (PHY) and the IEEE Std 802.11 Medium Access Control (MAC). The amendment specifies enhancements for an Ultra High Reliability capability in a Wireless Local Area Network (WLAN). The Ultra High Reliability capability is defined for both an isolated Basic Service Set (BSS) and overlapping BSSs as: • at least one mode of operation capable of increasing throughput by 25%, as measured at the MAC data service Access Point, in at least one Signal to Interference and Noise Ratio (SINR) level (Rate-vs-Range), compared to the Extremely High Throughput MAC/PHY operation, and • at least one mode of operation capable of reducing latency by 25% for the 95th percentile of the latency distribution compared to the Extremely High Throughput MAC/PHY operation and • at least one mode of operation capable of reducing MAC Protocol Data Unit (MPDU) loss by 25% compared to the Extremely High Throughput MAC/PHY operation for a given scenario, especially for transitions between BSSs. This amendment provides a mechanism to reduce power consumption for Access Points (APs) (including mobile APs) and improved Peer-to-Peer (P2P) operation compared to the Extremely High Throughput MAC/PHY operation. This amendment applies to carrier frequency operation between 1 GHz and 7.250 GHz. This amendment provides for backward compatibility and coexistence with legacy IEEE 802.11 devices in the 2.4 GHz, 5 GHz and 6 GHz unlicensed bands.	21 Sep 2023	31 Dec 2027	NA	NA	Draft Development

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P802.11bp	Amendment	C/LAN/MAN/802.11 WG	IEEE 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 Ambient Power Communication (AMP)	This amendment defines modifications to both the IEEE 802.11 Medium Access Control layer (MAC) and Physical Layers (PHY) to enable the operation of an Ambient Power communication (AMP) station (STA) that is powered using energy harvesting. Operation in sub-1 Gigahertz (GHz) and 2.4 GHz is defined. Specifically, at least one mode of data communication in the sub-1 GHz band is defined and at least one mode of data communication in the 2.4 GHz band with the AMP communication access category (AC) being set to AC_BK (background) is defined. At least one mode of wireless power transfer in the sub-1 GHz band is defined to support RF energy harvesting. This amendment defines mechanisms for the coexistence of an AMP STA and deployed STAs compliant with IEEE Std 802.11™-2020 that operate in the same radio frequency band as the AMP STA.	21 Mar 2024	31 Dec 2028	NA	NA	Draft Development
P802.15.7a	Amendment	C/LAN/MAN/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	13 Dec 2023	09 Jun 2024	SA Ballot: Comment Resolution
P802.16t	Amendment	C/LAN/MAN/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	14 Jun 2024	NA	SA Ballot: Invitation
P802.15.4ab	Amendment	C/LAN/MAN/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
P802.15.14	New	C/LAN/MAN/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	23 Sep 2021	31 Dec 2025	NA	NA	Draft Development

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P802.15.15	New	C/LAN/MAN/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
P802.15.6	Revision	C/LAN/MAN/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
P802.15.4	Revision	C/LAN/MAN/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	17 Jan 2024	09 Jun 2024	SA Ballot: Comment Resolution
P802.15.4ac	Amendment	C/LAN/MAN/802.15 WG	Standard for Low-Rate Wireless Networks Amendment: Privacy Enhancements	This amendment specifies modifications to the IEEE Std 802.15.4 medium access control (MAC) specification to specify mechanisms that address and improve user privacy. These mechanisms include randomized addresses, and exchanges that support session continuity. This amendment maintains backward compatibility with the base standard.	05 Jun 2023	31 Dec 2027	NA	NA	Draft Development
P802.15.4ad	Amendment	C/LAN/MAN/802.15 WG	IEEE Standard for Low-Rate Wireless Networks Amendment: Data rate and range extensions for the Smart Utility Network (SUN) Physical layer (PHY)	This amendment defines new data rate extensions by increasing the occupied bandwidth, adding new modulation and coding schemes (MCSs), and extending the SUN PHYs to provide long-range communication in congested environments. Additionally, this amendment defines at least one mode of the SUN-Orthogonal Frequency Division Multiplexing (OFDM) PHY that exceeds a sensitivity of -120 dBm at a 1 % packet error rate (PER) with a 64 B payload, intended for the Federal Communications Commission (FCC) 15.247 digital modulation system. At least one of the new MCSs achieves a data rate greater than 2.4 Mb/s. The amendment defines the MAC modifications required to support the amended PHYs. The amendment also defines frequency bands based on updated regional regulations.	21 Mar 2024	31 Dec 2028	NA	NA	Draft Development
P802.19.3a	Amendment	C/LAN/MAN/802.19 WG	IEEE Recommended Practice for Local and Metropolitan Area Networks--Part 19: Coexistence Methods for IEEE 802.11 and IEEE 802.15.4 Based Systems Operating in the Sub-1 GHz Frequency Bands Amendment: Additional recommendations for improving coexistence	This amendment updates and expands coexistence recommendations to address new market requirements, increasing data traffic, greater device density of devices, and increased potential for congestion based on both IEEE Std 802.11-2020 and IEEE Std 802.15.4 sub-1 GHz standards. This amendment includes recommendations with respect to new devices, as well as compatibility with deployed legacy devices.	15 Feb 2024	31 Dec 2028	NA	NA	Draft Development
P802.3da	Amendment	C/LAN/MAN/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
P802.3dg	Amendment	C/LAN/MAN/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

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P802.3dj	Amendment	C/LAN/MAN/802.3 WG	Standard for Ethernet Amendment: Media Access Control Parameters for 1.6 Tb/s and 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 for 1.6 Tb/s. Define physical layer specifications, and management parameters for the transfer of Ethernet format frames at 800 Gb/s and 1.6 Tb/s over copper and single-mode fiber physical medium dependent (PMD) sublayers based on 200 Gb/s or greater per lane signaling technologies. Using these new definitions for 800 Gb/s and 1.6 Tb/s, define physical layer specifications and management parameters for the transfer of Ethernet format frames at 200 Gb/s and 400 Gb/s, when applicable.	03 Dec 2022	31 Dec 2026	NA	NA	Draft Development
P802.3dk	Amendment	C/LAN/MAN/802.3 WG	Standard for Ethernet Amendment: Greater than 50 Gb/s Bidirectional Optical Access PHYs	Define physical layer specifications and management parameters for symmetric bidirectional operation at greater than 50 Gb/s over a single strand of single mode fiber of at least 10 km.	03 Dec 2022	31 Dec 2026	NA	NA	Draft Development
P802.3.1	Revision	C/LAN/MAN/802.3 WG	Standard for Ethernet Structure of Management Information version 2 (SMIv2) Data Model Definitions	This standard defines Structure of Management Information version 2 (SMIv2) Management Information Base (MIB) module specifications for IEEE Std 802.3 Ethernet and associated managed object branch and leaf assignments used in the variable descriptors in IEEE Std 802.3 Variable Request operations, administration, and maintenance protocol data unit (OAMPDU).	30 Mar 2023	31 Dec 2027	09 Apr 2024	NA	SA Ballot: Pre-Ballot
P802.3.2	Revision	C/LAN/MAN/802.3 WG	Standard for Ethernet - YANG Data Model Definitions	This standard defines YANG data models for IEEE Std 802.3 Ethernet.	30 Mar 2023	31 Dec 2027	09 Apr 2024	NA	SA Ballot: Pre-
P802.3dm	Amendment	C/LAN/MAN/802.3 WG	IEEE Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for Asymmetrical Electrical Automotive Ethernet	The scope of this project is to specify additions to and appropriate modifications of IEEE Std 802.3 to add Physical Layer specifications and management parameters for electrical media and operating conditions that are optimized for automotive end-node camera links for operation up to 10 Gb/s in one direction and with a lower data rate in the other direction.	21 Mar 2024	31 Dec 2028	NA	NA	Draft Development
P802.3-2022/Cor 1	Corrigendum	C/LAN/MAN/802.3 WG	IEEE Standard for Ethernet - Corrigendum 1 - Multi-Gigabit Automotive Medium Dependent Interface (MDI) Return Loss	Corrections to MDI return loss Equations (149–27) and (165–42) and to Figure 165–38 'MDI return loss calculated limit in Equation (165–42)'.	15 Feb 2024	31 Dec 2028	09 Apr 2024	04 Jul 2024	SA Ballot: Ballot