

## IEEE SA Standards Board New Standards Committee (NesCom) Recommendations

[All votes unanimous unless noted otherwise.]

### Withdrawal Requests

#### IEEE Computer Society/LAN/MAN Standards Committee

##### P802.15.6a

Standard for Local and Metropolitan Area Networks - Part 15.6: Wireless Body Area Networks  
Amendment: Dependable Human and Vehicle Body Area Networks

**Recommendation:** Approve PAR withdrawal

##### P802.15.12

Upper Layer Interface (ULI) for IEEE 802.15.4 Low-Rate Wireless Networks

**Recommendation:** Approve PAR withdrawal

### Modified PARs

#### IEEE Communications Society/Virtualized and Software Defined Networks, and Services Standards Committee

##### P1930.1

Recommended Practice for Software Defined Networking (SDN) based Middleware for Control and Management of Wireless Networks

**Recommendation:** Approve modified PAR

#### IEEE Computer Society/LAN/MAN Standards Committee

##### P802.3cz

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

**Recommendation:** Approve modified PAR

#### IEEE Power and Energy Society/Power System Instrumentation and Measurements

##### P2426

Guide for Field Measurement of Fast-Front and Very Fast-Front Overvoltages in Electric Power System —Part 1: Measuring techniques

**Recommendation:** Approve modified PAR

#### IEEE Vehicular Technology Society/High Speed Train and Maglev Standards Committee

##### P2965

Railway applications -Electromagnetic compatibility -Immunity test of rolling stock on completion of construction and before entry into service

**Recommendation:** Approve modified PAR (13 approve, 0 disapprove, 1 abstain)

#### IEEE-SASB Coordinating Committees/SCC39 - International Committee on Electromagnetic Safety

##### PC95.7

Standard for Electromagnetic Energy Safety Programs, 0 Hz to 300 GHz

**Recommendation:** Approve modified PAR

### Extension Requests

#### IEEE Power and Energy Society/Substations

##### P979

Guide for Substation Fire Protection

**Recommendation:** Approve request for an extension until December 2024

### New PARs

#### IEEE Communications Society/Power Line Communications

##### P1901c

Standard for Broadband over Power Line Networks: Medium Access Control and Physical Layer Specifications  
Amendment 3: Enhanced Flexible Channel Wavelet (FCW) physical and media access control layers for use on any media

**Recommendation:** Approve new PAR until December 2026

#### IEEE Communications Society/Virtualized and Software Defined Networks, and Services

## Standards Committee

### P1943

Standard for Post-Quantum Network Security

**Recommendation:** Defer new PAR until the next NesCom meeting to allow time for the COM/NetSoft-SC Chair to contact the IEEE 802.1 Working Group Chair to discuss potential improvements to the wording of the explanation in section 7.1 on the PAR. (8 approve, 2 disapprove, 5 abstain)

## IEEE Computer Society/Artificial Intelligence Standards Committee

### P3168

Standard for Robustness Evaluation Test Methods for a Natural Language Processing Service that uses Machine Learning

**Recommendation:** Approve new PAR until December 2026

## IEEE Computer Society/Blockchain and Distributed Ledgers

### P3221

Standard for Technical Requirements of Digital Collection Services Based on Blockchain Technologies

**Recommendation:** Approve new PAR until December 2026

## IEEE Computer Society/Cybersecurity and Privacy Standards Committee

### P3167

Standard for Secure Biometrics Device Interface

**Recommendation:** Approve new PAR until December 2026

### P3172

Recommended Practice for Post-Quantum Cryptography Migration

**Recommendation:** Approve new PAR until December 2026

## IEEE Computer Society/LAN/MAN Standards Committee

### P802.1Qdt

Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks

Amendment: Priority-based Flow Control Enhancements

**Recommendation:** Approve new PAR until December 2026

### P802.3dh

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

**Recommendation:** Approve new PAR until December 2026

## IEEE Computer Society/Standards Activities Board

### P2807.7

Guide for Open Domain Knowledge Graph Publishing and Crowdsourcing Service

**Recommendation:** Approve new PAR until December 2026

### P2807.8

Standard for Knowledge Exchange Protocol with Knowledge Fusion Among Knowledge Graphs

**Recommendation:** Approve new PAR until December 2026

## IEEE Power and Energy Society/Energy Storage & Stationary Battery Committee

### P3163

Recommended Practice for Sizing Lithium Batteries for Stationary Applications

**Recommendation:** Approve new PAR until December 2026

## IEEE Power and Energy Society/Surge Protective Devices/High Voltage

### P3170

Recommended Practice for Controllable Metal Oxide Arrester of 1000 kilovolt (kV) Ultra High Voltage (UHV) Alternating Current (AC) System

**Recommendation:** Conditionally approve new PAR until December 2026; contingent upon replacing "1000 kilovolt (kV)" or "1000 kV" with 1 MV throughout the PAR. (10 approve, 0 disapprove, 5 abstain)

## IEEE Power and Energy Society/Transmission and Distribution

### P516-2021/Cor 1.1

Guide for Maintenance Methods on Energized Power Lines - Corrigendum 1.1

**Recommendation:** Approve new PAR until December 2026

## IEEE SA Board of Governors/Corporate Advisory Group

### P2413.3

Guide for Hydropower Energy Internet of Things

**Recommendation:** Approve new PAR until December 2026 (14 approve, 0 disapprove, 1 abstain [Hiertz])

### P3169

Standard for Security Requirement of Privacy-Preserving Computation

**Recommendation:** Approve new PAR until December 2026

### **P3301**

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI)□  
Technical Specification Artificial Intelligence Framework (AIF) Version 1

**Recommendation:** Approve new PAR until December 2026

### **P3302**

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification  
Context-based Audio Enhancement (CAE) Version 1.2

**Recommendation:** Approve new PAR until December 2026

### **IEEE Systems, Man, and Cybernetics Society/Standards Committee**

#### **P3166**

Standard for Smart Cities Terminology

**Recommendation:** Approve new PAR until December 2026 (8 approve, 7 disapprove, 1 abstain)

### **IEEE Vehicular Technology Society/Intelligent Transportation Systems**

#### **P1616.1**

Standard for Data Storage System for Automated Driving (EDR/DSSAD)

**Recommendation:** Approve new PAR until December 2026

### **IEEE-SASB Coordinating Committees/SCC21 - Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage**

#### **P1547.10**

Recommended Practice for Distributed Energy Resources (DER) Gateway Platforms

**Recommendation:** Approve new PAR until December 2026

## **PARs for the Revision of Standards**

### **IEEE Computer Society/LAN/MAN Standards Committee**

#### **P802.15.6**

Standard for Local and metropolitan area networks - Part 15.6: Wireless Body Area Networks

**Recommendation:** Approve PAR for the revision of a standard until December 2026

### **IEEE Computer Society/Software & Systems Engineering Standards Committee**

#### **P24748-1**

International Standard - Systems and software engineering - Life cycle management - Part 1: Guidelines for life cycle management

**Recommendation:** Approve PAR for the revision of a standard until December 2026

### **IEEE Power and Energy Society/Transformers**

#### **PC57.12.00**

Standard for General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers

**Recommendation:** Approve PAR for the revision of a standard until December 2026

#### **PC57.12.90**

Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers

**Recommendation:** Approve PAR for the revision of a standard until December 2026

### **IEEE Power and Energy Society/Transmission and Distribution**

#### **P524**

Guide for the Installation of Overhead Transmission Line Conductors

**Recommendation:** Approve PAR for the revision of a standard until December 2026