

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

[SASB approval date: 12-Nov-2024]  
[All votes unanimous unless noted otherwise.]

### Withdrawal Requests

#### IEEE Communications Society/Mobile Communication Networks Standards Committee

##### P1931.1

Standard for an Architectural Framework for Real-time Onsite Operations Facilitation (ROOF) for the Internet of Things

**Recommendation:** Approve PAR withdrawal.

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

##### P2852

Intelligent Assessment of Safety Risk for Overhead Transmission Lines Under Multiple Operating Conditions

**Recommendation:** Approve PAR withdrawal.

### Modified PARs

#### IEEE Instrumentation and Measurement Society/TC45 - Radiation and Nuclear Instrumentation and Systems

##### PN42.59

Standard for Measuring the Imaging Performance of Active Millimeter-Wave Systems for Security Screening of Humans

**Recommendation:** Approve modified PAR until December 31, 2025.

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

##### P1609.2.2

Guide for Wireless Access in Vehicular Environments (WAVE) - Multi-Jurisdictional Interoperability Using Security Credentials Originating in Disparate Policy Domains

**Recommendation:** Approve modified PAR until December 31, 2027.

### Extension Requests

#### IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee

##### P1900.2

Recommended Practice for the Analysis of In-Band and Adjacent Band Interference and Coexistence Between Radio Systems

**Recommendation:** Approve request for an extension until 31 December 2026.

#### IEEE Communications Society/Edge, Fog, Cloud Communications with IOT and Big Data Standards Committee

##### P1912

Standard for Privacy and Security Framework for Consumer Wireless Devices

**Recommendation:** Approve request for an extension until 31 December 2026.

#### IEEE Communications Society/Standards Development Board

##### P269

Standard for Evaluating Electroacoustic Performance of Communication Devices

**Recommendation:** Approve request for an extension until 31 December 2026.

#### IEEE Computer Society/Artificial Intelligence Standards Committee

##### P2874

Standard for Spatial Web Protocol, Architecture and Governance

**Recommendation:** Approve request for an extension until 31 December 2025.

#### IEEE Computer Society/Online Gaming Standards Committee

##### P2948

Standard for Framework and Definitions for Cloud Gaming

**Recommendation:** Approve request for an extension until 31 December 2026.

##### P2949

Recommended Practice for the Evaluation of Cloud Gaming User Experiences

**Recommendation:** Approve request for an extension until 31 December 2026.

#### IEEE Computer Society/Smart Manufacturing Standards Committee

##### P2879

General Principles for Assessment of a Smart Factory

**Recommendation:** Approve request for an extension until 31 December 2026.

#### **P2975.1**

Standard for Industrial Artificial Intelligence (AI) Data Attributes

**Recommendation:** Approve request for an extension until 31 December 2026.

#### **IEEE Computer Society/Standards Activities Board Standards Committee**

##### **P2796.1**

Standard for Data Requirements for Internet of Food (IoF) Systems

**Recommendation:** Approve request for an extension until 31 December 2026.

##### **P2796.2**

Standard for Data Exchange Architecture and Interface Requirements for Internet of Food (IoF) Systems

**Recommendation:** Approve request for an extension until 31 December 2026.

#### **IEEE Consumer Technology Society/Emerging Technology Standards Committee**

##### **P3141**

Standard for 3D Body Processing

**Recommendation:** Approve request for an extension until 31 December 2025.

#### **IEEE Engineering in Medicine and Biology Society/IEEE 11073 Standards Committee**

##### **P11073-10101c**

Health informatics -- Device interoperability -- Part 10101: Point-of-Care Medical Device Communication -- Nomenclature Amendment 3: Additional definitions

**Recommendation:** Approve request for an extension until 31 December 2026.

#### **IEEE Power and Energy Society/Electric Machinery**

##### **P95**

Recommended Practice for Insulation Testing of AC Electric Machinery With High Direct Voltage

**Recommendation:** Approve request for an extension until 31 December 2026.

#### **IEEE Power and Energy Society/Power System Relaying and Control**

##### **PC37.95**

Guide for Protective Relaying of Utility-Consumer Interconnections

**Recommendation:** Approve request for an extension until 31 December 2026.

##### **PC37.113**

Guide for Protective Relay Applications to Transmission Lines

**Recommendation:** Approve request for an extension until 31 December 2026.

##### **PC37.114**

Guide for Determining Fault Location on AC Transmission and Distribution Lines

**Recommendation:** Approve request for an extension until 31 December 2026.

#### **IEEE Power and Energy Society/Substations Committee**

##### **P1527**

Recommended Practice for Seismic Design of Substation Buswork

**Recommendation:** Approve request for an extension until 31 December 2026.

#### **IEEE Power and Energy Society/Surge Protective Devices Committee**

##### **PC62.92.4**

Guide for the Application of Neutral Grounding in Electrical Utility Systems--Part IV: Distribution

**Recommendation:** Approve request for an extension until 31 December 2026.

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

##### **PC37.01**

Standard for High Voltage Direct Current Circuit Breakers Above 3200 Vdc

**Recommendation:** Approve request for an extension until 31 December 2026. (Abstain: D. Edwards)

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

##### **P987**

Guide for Application of Composite Insulators for Overhead Electric Power Lines

**Recommendation:** Approve request for an extension until 31 December 2026.

##### **P1159.3**

Recommended Practice for Power Quality Data Interchange Format (PQDIF)

**Recommendation:** Approve request for an extension until 31 December 2025.

##### **P1283**

Guide for Determining the Effects of Elevated Temperature Operation on Conductors, Connectors, and Accessories

**Recommendation:** Approve request for an extension until 31 December 2026.

##### **P1882**

Guide for Establishing, Benchmarking and Maintaining a Work Program for Energized Transmission Lines

**Recommendation:** Approve request for an extension until 31 December 2025.

**IEEE Robotics and Automation Society/Standing Committee for Standards  
P2817**

Guide for Verification of Autonomous Systems

**Recommendation:** Approve request for an extension until 31 December 2025.

**IEEE SA Board of Governors/Distributed Generation, Energy Storage and Interoperability  
Standards Committee**

**P2030**

Guide for Smart Grid Interoperability of Energy Technology and Information Technology Operation with the Electric Power System (EPS), End-Use Applications, and Loads

**Recommendation:** Approve request for an extension until 31 December 2026.

**IEEE Society on Social Implications of Technology/Social Implications of Technology Standards  
Committee**

**P2890**

Recommended Practice for Provenance of Indigenous Peoples' Data

**Recommendation:** Approve request for an extension until 31 December 2026.

## **New PARs**

**IEEE Broadcast Technology Society/Broadcast Technology Standards Committee**

**P3420.1**

Standard for Encapsulation and Formatting of Sampled Baseband Signals for Carriage via IEEE 3420 Aggregated Content Delivery Link Protocol

**Recommendation:** Approve new PAR until December 2028.

**IEEE Communications Society/Green ICT Standards Committee**

**P1959**

Standard for Metrics for Energy Efficiency in Machine Learning Hardware Architectures and Systems

**Recommendation:** Approve new PAR until December 2028.

**P1960**

Guide for Energy Efficiency in Machine Learning Hardware Architectures and Systems

**Recommendation:** Approve new PAR until December 2028.

**IEEE Computer Society/Artificial Intelligence Standards Committee**

**P3497**

Standard for Performance Benchmarking of Artificial Intelligence for Database Management Systems for Structured Query Language-based Databases

**Recommendation:** Approve new PAR until December 2028.

**IEEE Computer Society/Blockchain and Distributed Ledgers**

**P3221.02**

Standard for Blockchain Cross-Chain Gateways—Technical Specifications

**Recommendation:** Approve new PAR until December 2028.

**IEEE Computer Society/Data Compression Standards Committee**

**P3404.1**

Standard for Requirements and Framework for the Interconnection Between Multiple Data Centers for Productivity Services

**Recommendation:** Approve new PAR until December 2028.

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

**P802.15.4ae**

IEEE Standard for Low-Rate Wireless Networks Amendment: Ascon cryptographic algorithms

**Recommendation:** Approve new PAR until December 2028.

**P802.15.9a**

IEEE Standard for Transport of Key Management Protocol Datagrams Amendment: Additional Key Management Protocol

**Recommendation:** Approve new PAR until December 2028.

**IEEE Computer Society/Smart Manufacturing Standards Committee**

**P2671.1**

Standard for Connectivity Requirements for Online Detection Based on Machine Vision in Intelligent Manufacturing

**Recommendation:** Approve new PAR until December 2028. (Abstain: G. Hiertz)

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

**P2675.1**

Standard for System Reliability Engineering—Building Automation to Support Continuous Operations

**Recommendation:** Defer consideration of P2675.1 to the December 2024 NesCom agenda to allow time for

the PAR submitters to make edits to the PAR. Vote: Yes=12; No=0)

### **P2675.2**

Standard for Systems Observability across DevOps

**Recommendation:** Approve new PAR until December 2028.

### **IEEE Computer Society/Standards Activities Board Standards Committee**

#### **P2418.12**

Standard for Agricultural Products Supply Chain Distributed Ledger Technology

**Recommendation:** Approve new PAR until December 2028.

### **IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee**

#### **P3829**

Standard for a Framework for Privacy Algorithm Trading based on Blockchain for Industrial Service

**Recommendation:** Approve new PAR until December 2028.

#### **P3830**

Standard for a Privacy-Preserving Platform for the Circulation of Electric Energy Consumption Data

**Recommendation:** Approve new PAR until December 2028.

### **IEEE Consumer Technology Society/Emerging Technology Standards Committee**

#### **P3533**

Recommended Practice for the Performance Evaluation of Software for Smart Television Sets

**Recommendation:** Approve new PAR until December 2028.

### **IEEE Education Society/Standards Committee**

#### **P3528**

Guide for Cyber Informed Engineering Curricula

**Recommendation:** Approve new PAR until December 2028.

### **IEEE Industry Applications Society/Petroleum & Chemical Industry**

#### **P61886.2-2023/Cor 1**

IEEE/IEC Approved Draft International Standard - Subsea Power Transformers - Corrigendum 1

**Recommendation:** Approve new PAR until December 2028.

### **IEEE Instrumentation and Measurement Society/TC45 - Radiation and Nuclear Instrumentation and Systems**

#### **PN42.37**

Standard for Training for the Radiological/Nuclear Detection Mission

**Recommendation:** Approve new PAR until December 2028.

### **IEEE Power and Energy Society/Power System Communications and Cybersecurity**

#### **P1686-2022/Cor 1**

IEEE Standard for Intelligent Electronic Devices Cybersecurity Capabilities - Corrigendum 1

**Recommendation:** Approve new PAR until December 2028.

### **IEEE Power and Energy Society/Power System Relaying and Control**

#### **PC37.92-2023/Cor 1**

IEEE Standard for Low-Energy Analog Interfaces between Protective Relays and Power System Signal Sources - Corrigendum 1

**Recommendation:** Approve new PAR until December 2028.

#### **PC37.234a**

IEEE Guide for Protective Relay Applications to Power System Buses: Amendment for Protecting Ungrounded Buses with Large Shunt Capacitance Unbalance

**Recommendation:** Approve new PAR until December 2028.

### **IEEE Reliability Society/IEEE Reliability Society Standards Committee**

#### **P7009.1**

Standard for Safety Management of Autonomous and Semi-Autonomous Systems—Interventions in the Event of Anomalous Behavior

**Recommendation:** Approve new PAR until December 2028.

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

#### **P3534**

Standard for Operational and Safety Requirements for Autonomous Vehicles in Port Environments

**Recommendation:** Approve new PAR until December 2028.

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

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

#### **P802.11**

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

**Recommendation:** Approve PAR for the revision of a standard until December 2028. (Recuse: G. Hiertz)

**IEEE Power and Energy Society/Surge Protective Devices Committee**

**PC62.82.1**

Standard for Insulation Coordination--Definitions, Principles, and Rules

**Recommendation:** Approve PAR for the revision of a standard until December 2028.

**IEEE SA Board of Governors/SCC20 - Test and Diagnosis for Electronic Systems**

**P1232**

Standard for System Diagnostic Data and Services

**Recommendation:** Approve PAR for the revision of a standard until December 2028.

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

**P1609.2.1**

Standard for Wireless Access in Vehicular Environments (WAVE) - Certificate Management Interfaces for End Entities

**Recommendation:** Approve PAR for the revision of a standard until December 2028.