

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

[SASB approval date: 28-May-2025]

[All votes unanimous unless noted otherwise.]

### Withdrawal Requests

#### IEEE Computer Society/Software & Systems Engineering Standards Committee **P2995**

Trial-Use Standard for a Quantum Algorithm Design and Development

**Recommendation:** Approve PAR withdrawal.

### Modified PARs

#### IEEE Consumer Technology Society/Emerging Technology Standards Committee **P3533**

Standard for the Performance Evaluation of Software for Smart Television Sets

**Recommendation:** Approve modified PAR.

#### IEEE Consumer Technology Society/Smart Devices Standards Committee **P3521**

Standard for Technical and Application Requirements for Intelligent Software Development Tools for Smart Devices

**Recommendation:** Approve modified PAR.

#### IEEE Power and Energy Society/Nuclear Power Engineering Committee **P60880**

Nuclear power plants, Instrumentation and control systems important to safety, Software aspects for computer-based systems performing category A functions

**Recommendation:** Approve modified PAR.

#### IEEE Vehicular Technology Society/Traction Power Systems Standards Committee **P3393**

Recommended Practice on the Application of IEEE Std 1653.2, Standard for Uncontrolled Traction Power Rectifiers, to Power Components in DC traction substations up to 1500 V DC Nominal Output

**Recommendation:** Approve modified PAR.

### Extension Requests

#### IEEE Computer Society/Artificial Intelligence Standards Committee **P3123**

Standard for Artificial Intelligence and Machine Learning (AI/ML) Terminology and Data Formats

**Recommendation:** Approve request for an extension until 31 December 2027.

#### IEEE Power and Energy Society/Energy Development & Power Generation **P2800.2**

Recommended Practice for Test and Verification Procedures for Inverter-based Resources (IBRs) Interconnecting with Bulk Power Systems

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

#### IEEE Power and Energy Society/Transformers **PC57.155**

Guide for the Interpretation of Gases Generated in Natural and Synthetic Ester Liquid Type Transformers

**Recommendation:** Approve request for an extension until 31 December 2027.

#### IEEE Vehicular Technology Society/Automated Vehicles Standards Committee **P3116**

Standard for Automotive Radar Performance Metrics and Testing Methods for Advanced Driver Assistance Systems (ADAS) and Automated Driving System (ADS) Applications

**Recommendation:** Approve request for an extension until 31 December 2027.

### New PARs

#### IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee **P1958**

Standard for Hydrogen Fuel Cell Application Framework on Multi-rotor Drones

**Recommendation:** Approve new PAR until December 2029.

#### IEEE Computational Intelligence Society/Standards Committee

### **P3596**

Standard for Data Information Technology in Monitoring Platform of Electrochemical Energy Storage System

**Recommendation:** Approve new PAR until December 2029.

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

#### **P3225.01**

Standard for Reference Architecture of Blockchain-based Artificial Intelligence (AI) Agent

**Recommendation:** Approve new PAR until December 2029. (Recuse: X. Chen)

#### **P3233.01**

Guide for Developing a Blockchain Teaching and Training Platform

**Recommendation:** Approve new PAR until December 2029. (Recuse: X. Chen)

#### **P3250.06**

Standard For Data Element Trading Platform—Part 1: Reference Architecture and Technical Requirements

**Recommendation:** Approve new PAR until December 2029. (Recuse: X. Chen)

#### **P3250.07**

Standard for Data Element Trading Platform—Part 2: Management, Service, and Security Requirements

**Recommendation:** Approve new PAR until December 2029. (Recuse: X. Chen)

### **IEEE Computer Society/Knowledge Engineering Standards Committee**

#### **P2807.14**

Standard for Technical Requirements and Evaluation of Graph-based Retrieval-Augmented Generation

**Recommendation:** Approve new PAR until December 2029.

#### **P3569**

Standard for Intelligent Assistant Maturity Model and Assessment Methodology

**Recommendation:** Approve new PAR until December 2029.

#### **P3701**

Standard for Reference Architecture for Application Systems of Large-scale Pre-trained Models in Manufacturing with Knowledge Enhancement

**Recommendation:** Approve new PAR until December 2029.

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

#### **P802.3-2022/Cor 2**

IEEE Standard for Ethernet - Corrigendum 2 - Multi-Gigabit Optical Automotive Ethernet Transmitter Distortion Figure Of Merit Normalization Factors

**Recommendation:** Approve new PAR until December 2029. (Recuse: E. Au)

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

#### **P2834**

Standard for Secure and Trusted Learning Systems

**Recommendation:** Approve new PAR until December 2029.

### **IEEE Geoscience and Remote Sensing Society/Standards Committee**

#### **P4009**

Standard for Nap-of-the-object Photogrammetry of Landslide Survey

**Recommendation:** Approve new PAR until December 2029.

### **IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology**

#### **P1588i**

IEEE Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems—Amendment: Profile configuration

**Recommendation:** Approve new PAR until December 2029.

#### **P1588j**

IEEE Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems—Amendment: Enhancements to the Unicast Message Negotiation Procedures and to Performance Monitoring Options

**Recommendation:** Approve new PAR until December 2029.

### **IEEE Intelligent Transportation Systems Society/Standards Committee**

#### **P3594**

Guide for Methods of Naturalistic Driving Scenario Extraction for Intelligent Connected Vehicles

**Recommendation:** Approve new PAR until December 2029.

### **IEEE Power and Energy Society/Analytic Methods for Power Systems**

#### **P3597**

Standard for Interfacing of Controls and Protection to Power System Simulation Tools

**Recommendation:** Approve new PAR until December 2029.

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

#### **P2664a**

IEEE Standard for Streaming Telemetry Transport Protocol (STTP)—Amendment: Add a File Format for Off-line Exchange of Information Using the Same Structures as the On-Line Exchange

**Recommendation:** Approve new PAR until December 2029.

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

##### **P3580**

Standard for Current and Voltage Sensors over 1 kV to 72.5 kV

**Recommendation:** Approve new PAR until December 2029.

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

##### **P1218**

Guide for Maintenance of Wood Transmission and Distribution Line Structures

**Recommendation:** Approve new PAR until December 2029. (Recuse: D. Sabin)

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

##### **P3700**

Standard for Intelligent Modeling of Emergency Corridor for Surface Lifeline Structures in Disasters

**Recommendation:** Approve new PAR until December 2029.

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

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

##### **P21839**

Systems and software engineering -- System of systems (SoS) considerations in life cycle stages of a system

**Recommendation:** Approve PAR for the revision of a standard until December 2029.

##### **P21840**

Systems and software engineering -- Guidelines for the utilization of ISO/IEC/IEEE 15288 in the context of system of systems (SoS)

**Recommendation:** Approve PAR for the revision of a standard until December 2029.

##### **P21841**

Systems and software engineering -- Taxonomy of systems of systems

**Recommendation:** Approve PAR for the revision of a standard until December 2029.

#### **IEEE Electromagnetic Compatibility Society/Standards Development Committee**

##### **P1309**

Standard for Calibration of Electromagnetic Field Sensors and Probes (Excluding Antennas) from 9 kHz to 60 GHz

**Recommendation:** Approve PAR for the revision of a standard until December 2029.

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

##### **P1584**

Guide for Performing Arc-Flash Hazard Calculations

**Recommendation:** Approve PAR for the revision of a standard until December 2029.

#### **IEEE Instrumentation and Measurement Society/TC10 - Waveform Generation Measurement and Analysis**

##### **P1057**

Standard for Digitizing Waveform Recorders

**Recommendation:** Approve PAR for the revision of a standard until December 2029.

#### **IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology**

##### **P1451.4**

Standard for A Smart Transducer Interface for Sensors and Actuators--Mixed-Mode Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats

**Recommendation:** Approve PAR for the revision of a standard until December 2029.

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

##### **P1591.2**

Standard for Testing and Performance of Hardware for All-Dielectric Self-Supporting (ADSS) Fiber Optic Cable

**Recommendation:** Approve PAR for the revision of a standard until December 2029.

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

##### **P1427**

Guide for Recommended Electrical Clearances and Insulation Levels in Air-Insulated Electrical Power Substations

**Recommendation:** Approve PAR for the revision of a standard until December 2029.

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

##### **P2746**

Recommended Practice for Evaluating Alternating Current (ac) Interference on Linear Facilities Co-Located Near Power Lines

**Recommendation:** Approve PAR for the revision of a standard until December 2029. (Recuse: D. Sabin)

## **IEEE SA Board of Governors/Entity Collaborative Activities Governance Board**

### **P1893**

Guide for the Measurement of Direct Current (DC) Transmission Line and Earth Electrode Line Parameters

**Recommendation:** Approve PAR for the revision of a standard until December 2029. (Recuse: D. Sabin)

### **P1894**

Guide for Online Monitoring and Recording Systems for Transient Overvoltages in Electric Power Systems

**Recommendation:** Approve PAR for the revision of a standard until December 2029. (Recuse: D. Sabin)

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

### **P1609.0**

Guide for Wireless Access in Vehicular Environments (WAVE)—Architecture

**Recommendation:** Approve PAR for the revision of a standard until December 2029.

### **P1609.2**

Standard for Wireless Access in Vehicular Environments--Security Services for Application and Management Messages

**Recommendation:** Approve PAR for the revision of a standard until December 2029.