

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

[SASB approval date: 13-Feb-2025]  
[All votes unanimous unless noted otherwise.]

### Withdrawal Requests

#### 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 withdrawal.

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

##### P2977

Adoption of the MIPI A-PHY Specification Version 1.1

**Recommendation:** Approve PAR withdrawal.

### Modified PARs

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

##### P25070

Systems and software engineering --Systems and software Quality Requirements and Evaluation (SQuaRE)--Quality engineering framework

**Recommendation:** Approve modified PAR.

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

##### P2796.1

Standard for Data Requirements for Internet of Food Systems

**Recommendation:** Approve modified PAR.

##### P2796.2

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

**Recommendation:** Approve modified PAR.

#### IEEE Power and Energy Society/Switchgear

##### PC37.17

Standard for Trip Systems Integral to Low-Voltage (1000 V and below) AC and General Purpose (1500 V and below) DC Power Circuit Breakers

**Recommendation:** Approve modified PAR.

#### IEEE Power and Energy Society/Transformers

##### PC57.141

Guide for Detection, Monitoring, and Evaluation of Winding Deformation in Liquid-Immersed Power Transformers Rated above 66 kV

**Recommendation:** Approve modified PAR.

#### IEEE SA Board of Governors/International Committee on Electromagnetic Safety

##### P62704-3

Determining the Peak Spatial-Average Specific Absorption Rate in the Human Body from Wireless Communications Devices, 30 MHz to 6 GHz—Part 3: Specific Requirements for Using the Finite Difference Time Domain Method for Specific Absorption Rate Calculations of Mobile Phones

**Recommendation:** Approve modified PAR.

### Extension Requests

#### IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

##### P2023

Standard for Digital Transformation Architecture and Framework

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

#### IEEE Power and Energy Society/Energy Development & Power Generation

##### P1095

Guide for the Installation of Vertical Generators and Generator/Motors for Hydroelectric Applications

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

### New PARs

#### IEEE Communications Society/Power Line Communications

## **P1962**

Standard for Providing Broadband Connectivity to Rural Infrastructure by Utilizing Solar Panels as Optical Communication Receivers

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

## **P2030.5.1**

Standard for Common Smart Inverter Profile of IEEE Std 2030.5

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

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

### **P3526**

Guide for Threat Intelligence Retrieval Framework Based on Large Language Model

**Recommendation:** Approve new PAR until December 2029, conditional upon changing the wording in the PAR per NesCom comment 6.3.

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

### **P3250.05**

Recommended Practices for Reference Framework for Blockchain-based Financial Data Circulation and Valuation Platform

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

## **IEEE Computer Society/Cybersecurity and Privacy Standards Committee**

### **P3536**

Standard for Space System Cybersecurity Design

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

### **P3578**

Recommended Practice for Use of Cybersecurity in Sustainability to Help Protect the Digital Infrastructure

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

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

### **P3558**

Guide for Knowledge Graph of Intelligent Flexible Assembly

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

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

### **P802.1CBec**

IEEE Standard for Local and metropolitan area networks--Frame Replication and Elimination for Reliability Amendment: Guidance for Sequence Recovery Function Parameter Configuration

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

## **IEEE Computer Society/Microprocessor Standards Committee**

### **P1003.1-2024/Cor 1**

IEEE/Open Group Standard for Information Technology--Portable Operating System Interface (POSIX™) Base Specifications, Issue 8 - Corrigendum 1

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

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

### **P3570**

Standard for a Data Service Capability Model

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

## **IEEE Computer Society/Test Technology**

### **P1687.1**

Standard for the Application of Interfaces and Controllers to Access 1687 JTAG Networks Embedded Within Semiconductor Devices

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

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

### **P3833**

Standard for Framework for Proactive AI Agent Based on Multi-modal Human Computer Interaction

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

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

### **P2089.1-2024/Cor 1**

Standard for Online Age Verification—Corrigendum 1

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

## **IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee**

### **P3023**

Recommended Practice for Intelligent Interaction Systems Based on Industrial Cloud Platforms for the Manufacturing Industry

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

### **P3567**

Guide for Operational Life Cycle Assessment of Fiber-reinforced Composite Electric Power Equipment

**Recommendation:** Defer P3567 to allow time for coordination with PE T&D committee to review the PAR prior to the next meeting. (Vote: 7=Yes; 4=No; 0=Abstain).

### **P3568**

Guide for Terms and Test Methods of Fiber-reinforced Composite Electric Power Equipment

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

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

#### **P3589**

Standard for Early Characteristic Gas Detection of Lithium Ion Batteries with Thermal Runaway

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

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

#### **P3560**

Guide for Carbon Footprint Assessment of Electric Vehicle Supply Equipment

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

### **IEEE Photonics Society/Standards Committee**

#### **P3576**

Standard for Quality Inspection of Metal-Metallurgical Connection Components by X-ray Technology

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

### **IEEE Power and Energy Society/Insulated Conductors**

#### **P3556**

Guide for Direct Current Fast Charging Cables with Thermal Management for Electric Vehicles

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

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

#### **P3541**

Guide for Test Method for Harmonic Influence Test Equipment for Electrical Energy Meters

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

### **P3563**

Guide for Technology for Direct Current Standard Signal Sources with Digital Output

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

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

#### **PC37.303**

Guide for Field Measurement of Partial Discharge within Switchgear (above 1000 Vac)

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

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

#### **PC57.12.55**

Standard for Enclosure Requirements for Dry-type Transformers

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

#### **PC57.12.60-2020/Cor 1**

IEEE Standard for Thermal Evaluation of Insulation Systems for Dry-Type Power and Distribution Transformers - Corrigendum 1

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

#### **PC57.13.11**

Standard Requirements for Low Power Instrument Transformers for 69kV or Higher Nominal System Voltage

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

#### **PC57.15.01**

Standard Requirements for Pad-Mounted Compartmental-Type Step-Voltage Regulators

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

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

#### **P3554**

Guide for X-ray Detection Method for Transmission Line Conductor Crimping

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

### **P3555**

Standard for Test Method for Fiber Ropes Used in Construction of Overhead Transmission Lines

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

### **P3561**

Guide for Fault Location, Isolation, and Service Restoration Application for Distribution Management Systems

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

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

### **P3566**

Guide for Electric Meter Replacement without Disconnect Using a Bypass

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

### **P3574**

Guide for Satellite-based Systems Monitoring Wildfires in Overhead Transmission Line Corridors

**Recommendation:** Approve new PAR until December 2029, conditional upon a Working Group chair accepting the role within the myProject system and conditional upon making the editorial change of "location" to "locations" in the third sentence of the Scope. [The conditions have been met.]

### **P3575**

Guide for Construction of Digital Twin Substation—Part 1: General Provisions

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

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

### **P3564**

Recommended Practice for Implementation of Gender Equity and Social Inclusion Considerations in Low Carbon Energy Transition Programs

**Recommendation:** Approve new PAR until December 2029. (Vote: 8=Yes; 0=No; 4=Abstain)

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

### **P3573**

Guide for Online Monitoring System for Public Electric Vehicle Charging Facilities

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

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

### **P3565**

Standard for Icing-monitoring and Ice-melting System for the Catenary of Electrified High-speed Railway

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

### **P3571**

Guide for the Selection of Roof Insulators for Electric Locomotive with Nominal Voltage of 25 kV

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

### **P3572**

Standard for Overvoltage Monitoring System with Protection Measures for Traction Power Supply System of High-speed Railway

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

## **IEEE Vehicular Technology Society/Overhead Contact Systems**

### **P3535**

Guide for the Construction of Overhead Contact Systems for Direct Current Transit Systems up to 1500 V DC

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

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

### **IEEE Computer Society/Cybersecurity and Privacy Standards Committee**

#### **P1619.2**

Standard for Wide-Block Encryption for Shared Storage Media

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

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

#### **P802.1CB**

Standard for Local and metropolitan area networks--Frame Replication and Elimination for Reliability

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

#### **P802.16**

Standard for Air Interface for Broadband Wireless Access Systems

**Recommendation:** Approve PAR for the revision of a standard until December 2029. (Abstain Hiertz)

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

#### **P299**

Standard Method for Measuring the Effectiveness of Electromagnetic Shielding Enclosures

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

#### **P299.1**

Standard Method for Measuring the Shielding Effectiveness of Enclosures and Boxes Having all Dimensions between 0.1 m and 2 m

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

### **IEEE Power and Energy Society/Insulated Conductors**

#### **P575**

Guide for Application of Sheath-Bonding Methods for Single-Conductor Cables and the Calculation of Induced Voltages and Currents in Cable Sheaths

**Recommendation:** Defer P575 to the next NesCom meeting.

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

**P603**

Standard Criteria for Safety Systems for Nuclear Power Generating Stations

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

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

**P980**

Guide for Containment and Control of Oil Spills in Substations

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

**IEEE Power and Energy Society/Switchgear**

**PC37.04**

Standard for Ratings and Requirements for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V

**Recommendation:** Approve PAR for the revision of a standard until December 2029. (Abstain: Edwards)

**PC37.59**

Standard for Requirements for Conversion of Power Switchgear Equipment

**Recommendation:** Approve PAR for the revision of a standard until December 2029. (Abstain: Edwards)

**IEEE Power and Energy Society/Transformers**

**PC57.140**

Guide for Evaluation and Reconditioning of Liquid Immersed Power Transformers

**Recommendation:** Approve PAR for the revision of a standard until December 2029. (Abstain: Hiertz)

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

**P1609.3**

Standard for Wireless Access in Vehicular Environments (WAVE)--Networking Services

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

**P2020**

Standard for Automotive System Image Quality

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