

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

[SASB approval date: 06-Jun-2024]  
[All votes unanimous unless noted otherwise.]

### Modified PARs

#### IEEE Instrumentation and Measurement Society/TC39 - Measurements in Power Systems **P61869-21**

Uncertainty Evaluation in the Calibration of Instrument Transformers  
**Recommendation:** Approve modified PAR.

#### IEEE Power and Energy Society/Energy Storage & Stationary Battery Committee **P1188**

Recommended Practice for Maintenance, Testing, and Replacement of Valve-Regulated Lead-Acid (VRLA) Batteries for Stationary Applications  
**Recommendation:** Approve modified PAR.

#### IEEE Power and Energy Society/Nuclear Power Engineering Committee **P1205**

Guide for Assessing, Monitoring, and Mitigating Aging Effects on Electrical Equipment Used in Nuclear Facilities  
**Recommendation:** Approve modified PAR.

#### IEEE Vehicular Technology Society/High Speed Train and Maglev Standards Committee **P3351**

Standard for Levitation Systems of Electromagnetic Suspension-Type Maglev Vehicles  
**Recommendation:** Approve modified PAR.

#### **P3352**

Standard for Test Specification of Short Primary Maglev Vehicles  
**Recommendation:** Approve modified PAR.

### Extension Requests

#### IEEE Instrumentation and Measurement Society/TC39 - Measurements in Power Systems **P61869-21**

Recommended Practice for Uncertainty Evaluation in the Calibration of Instrument Transformers  
**Recommendation:** Approve request for an extension until 31 December 2025. (Abstention: Edwards)

#### IEEE Power and Energy Society/Switchgear **PC37.20.1**

Standard for Metal-Enclosed Low-Voltage (1000 Vac and below, 3200 Vdc and below) Power Circuit Breaker Switchgear  
**Recommendation:** Approve request for an extension until 31 December 2026. (Abstention: Edwards)

#### **PC37.23**

Standard for Metal-Enclosed Bus  
**Recommendation:** Approve request for an extension until 31 December 2026. (Abstention: Edwards)

#### **PC37.100.2**

Standard for Common Requirements for Testing of AC Capacitive Current Switching Devices over 1000 V  
**Recommendation:** Approve request for an extension until 31 December 2026. (Abstention: Edwards)

### New PARs

#### IEEE Communications Society/Mobile Communication Networks Standards Committee **P1955**

Standard for 6G Empowering Robotics: Use Case Scenarios, Requirements, Architectural Impact, and Technical Assumptions  
**Recommendation:** Approve new PAR until December 2028.

#### IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee **P1936.7**

Standard for Mesh Deployment of Multi-Rotor Unmanned Aircraft Systems for Inspection of Overhead Transmission and Distribution, and Outdoor Substation Facilities  
**Recommendation:** Approve new PAR until December 2028.

#### **P1936.8**

Standard for Monitoring of Photovoltaic Power Stations Using Unmanned Aircraft Systems

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

**P1936.11**

Standard for Requirements of Laying Out Pilot Ropes by Unmanned Aircraft Systems for Overhead Power Line Installations

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

**P1936.12**

Standard for Verification of Pilot Line Deployment Devices Based on Unmanned Aircraft Systems for Overhead Power Line Installations

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

**P1936.13**

Recommended Practice for Image Collection during the Inspection of Overhead Distribution Lines by Unmanned Aircraft Systems

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

**P1936.14**

Standard for Multi-Spectral Scanning of Overhead Transmission Lines by Unmanned Aircraft Systems

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

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

**P1948.1**

Standard for Artificial Intelligence Based Network Applications in 5G and Beyond Mobile Networks

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

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

**P3234**

Standard for Blockchain-Based Carbon Trading Data Format Specification

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

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

**P3477**

Standard for Evaluation Method for Anonymization Effectiveness in Data Sharing

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

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

**P29119-8**

Software and systems engineering — Software testing — Part 8: Model-based Testing

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

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

**P7100**

Standard for Measurement of Environmental Impacts of Artificial Intelligence Systems

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

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

**P3826**

Standard for Technical Requirements for Large Language Models for Finance

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

**IEEE Consumer Technology Society/Metaverse Standards Committee**

**P2048.202**

Standard for Security Specifications of Blockchain-Based Metaverse Data

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

**P2048.203**

Standard for Security Specifications of Blockchain-Based Metaverse Interconnection

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

**P2048.204**

Standard for Security Specifications of Blockchain-Based Metaverse Digital Commodity Circulation

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

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

**P3487**

Standard for Perceived Image Quality Consistency of Multi-Camera Consumer Devices and Systems

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

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

**P3493.1**

Standard Framework for Secure, Compliant, Coordinated, and Inclusive Healthcare Data Recycling: Cancer Care

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

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

### **P3464**

Guide for Test Methods for the Static and Dynamic Performance and Efficiency of the Proton Exchange Membrane Fuel Cell Cogeneration Systems under Feedback Control

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

## **IEEE Magnetics Society/Magnetics Society Standards Committee**

### **P3387**

Guide for Contactless Current Measurement for High-Voltage (4.76 kV to 800 kV) Multi-Phase Multi-Core Power Cables Based on Magnetic Field Sensing

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

### **P3465**

Standard for Magnetoresistive Immunity Verification of Magnetoresistive Random Access Memory

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

## **IEEE Oceanic Engineering Society/Standards Committee**

### **P3501**

Recommended Practice for the Development of Digital Twins of the Earth

**Recommendation:** Defer new PAR until September NesCom meeting. (Vote: 9=Yes; 3=No; 2=Abstains)

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

### **P48404.2**

Standard for Terminations and Joints for Extruded and Laminated Dielectric Shielded Cables Rated 69 kV through 500 kV

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

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

### **PC37.20.7.1**

Guide for Application, Installation, and Use of Switchgear Rated Up to 52 kV Tested for Internal Arcing Faults

**Recommendation:** Approve new PAR until December 2028. (Abstention: Edwards)

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

### **P3302**

Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification - Context-based Audio Enhancement (MPAI-CAE) V2.1

**Recommendation:** Approve new PAR until December 2028. (Recuse: Dukes)

### **P3308**

Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Object and Scene Description (OSD) v1.1

**Recommendation:** Approve new PAR until December 2028. (Recuse: Dukes)

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

### **IEEE Aerospace and Electronic Systems Society/Radar Systems Panel**

#### **P521**

Standard Letter Designations for Radar-Frequency Bands

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

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

#### **P754**

Standard for Floating-Point Arithmetic

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

#### **P1722**

Standard for a Transport Protocol for Time-Sensitive Applications in Bridged Local Area Networks

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

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

#### **P1707**

Recommended Practice for the Investigation of Events at Nuclear Facilities

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

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

#### **PC37.62**

Standard for Pad-Mounted Dry Vault, Submersible, and Overhead Fault Interrupters for Alternating Current Systems Up to and Including 38 kV

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

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

#### **P1250**

Guide for Identifying and Improving Voltage Quality in Power Systems

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

#### **P2845**

Standard for Testing and Evaluating the Dielectric Performance of Celebratory Balloons in Contact with Overhead Power Distribution Lines Rated up to 38 kV System Voltage

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

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

**P1547.7**

Guide for Conducting Impact Studies for Distributed Energy Resource Interconnection

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