

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

[All votes unanimous unless noted otherwise.]

### Withdrawal Requests

#### IEEE Consumer Technology Society/Blockchain Standards Committee

##### P2146.2

Standard for External Data Retrieval of Blockchain for Risk Mutual Assistance Model

**Recommendation:** Approve PAR withdrawal

### Modified PARs

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

##### P3219

Standard for Blockchain-based Zero-Trust Framework for Internet of Things (IoT)

**Recommendation:** Approve modified PAR

#### IEEE Computer Society/Learning Technology

##### P1484.2

Recommended Practices for Learning and Employment Record (LER) Ecosystems

**Recommendation:** Approve modified PAR

#### IEEE Computer Society/Microprocessor Standards Committee

##### P3109

Standard for Arithmetic Formats for Machine Learning

**Recommendation:** Approve modified PAR

#### IEEE Computer Society/Standards Activities Board

##### P2858

Recommended Practice for Mini-program Interoperability

**Recommendation:** Approve modified PAR

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

##### P3812.1

Standard for General Requirements for Identity Framework for Metaverse

**Recommendation:** Approve modified PAR

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

##### P2048

Standard for Metaverse: Terminology, Definitions, and Taxonomy

**Recommendation:** Approve modified PAR

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

##### P2418.6

Standard for a Framework for Web3 in Decentralized Trusted Work Flows in Healthcare and Life Sciences

**Recommendation:** Conditionally approve modified PAR; contingent upon removing the last phrase from the final sentence in the need section of the PAR and ending the sentence after 'using Web3.'

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

##### P4002

Standard for Synthetic Aperture Radar Metadata Content

**Recommendation:** Approve modified PAR

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

##### P1729

Recommended Practice for Electric Power Distribution System Analysis

**Recommendation:** Approve modified PAR

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

##### P2789

Guide for the Selection and Application of Cables Used in Enclosed Transit Infrastructure

**Recommendation:** Approve modified PAR

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

##### P845

Guide for the Evaluation of Human-System Performance in Nuclear Power Generating Stations and Other Nuclear

Facilities

**Recommendation:** Approve modified PAR

### IEEE Power and Energy Society/Switchgear

#### PC37.10

Recommended Practice for Investigation, Analysis, and Reporting of Failures of AC High-Voltage Circuit Breakers and Circuit Switchers with Rated Maximum Voltage Above 1000 V

**Recommendation:** Approve modified PAR (15 approve, 0 disapprove, 1 abstain [Edwards])

#### PC37.14

Standard for Low-Voltage DC (3200 V and below) Power Circuit Breakers Used in Enclosures

**Recommendation:** Approve modified PAR (15 approve, 0 disapprove, 1 abstain [Edwards])

#### PC37.20.7

Recommended Practice for Testing Switchgear with Rated Voltages Up to 52 kV for Internal Arcing Faults

**Recommendation:** Approve modified PAR (14 approve, 0 disapprove, 2 abstain [Edwards, Wright])

### IEEE Power and Energy Society/Transformers

#### PC57.107

Recommended Practice for Developing Short-Term Overexcitation V/Hz Curves for Transformers Directly Connected to Generators

**Recommendation:** Approve modified PAR

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

#### P62209-3

Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 3: Vector measurement-based systems (Frequency range of 300 MHz to 6 GHz)

**Recommendation:** Approve modified PAR

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

#### P7016

Standard for Ethically Aligned Design and Operation of Metaverse Systems

**Recommendation:** Approve modified PAR

## Extension Requests

### IEEE Microwave Theory and Techniques Society/Standards Committee

#### P2822

Recommended Practice for Microwave, Millimeter-wave and THz On-Wafer Calibrations, De-Embedding and Measurements

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

## New PARs

### IEEE Computer Society/Artificial Intelligence Standards Committee

#### P3347

Standard for Description Schemas for Neural Network Architectures

**Recommendation:** Approve new PAR until December 2027

#### P3348

Recommended Practice for the Framework and Evaluation Methods of Two-Dimensional (2D) Real-Person Digital Clothes Model Generation System Based on Artificial Intelligence

**Recommendation:** Approve new PAR until December 2027

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

#### P2883.2

Recommended Practice for Virtualized and Cloud Storage Sanitization

**Recommendation:** Approve new PAR until December 2027

#### P3349

Standard for Space System Cybersecurity

**Recommendation:** Approve new PAR until December 2027

### IEEE Computer Society/Learning Technology

#### P9274.3.1

Standard for Packaging, Launch, and Run-time of Experience Application Programming Interface (xAPI) in Session-based Learning

**Recommendation:** Approve new PAR until December 2027

### IEEE Computer Society/Online Gaming Standards Committee

#### P3341

Recommended Practice for Mobile Game Experience Indicators and Evaluation Criteria

**Recommendation:** Approve new PAR until December 2027

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

### **P2975.2**

Standard for Model Verification & Validation of Industrial Artificial Intelligence Systems

**Recommendation:** Approve new PAR until December 2027 (14 approve, 0 disapprove, 1 abstain [Wei])

### **P2975.3**

Recommended Practice for Software Framework for Industrial Artificial Intelligence (AI) At-the-edge

**Recommendation:** Approve new PAR until December 2027 (14 approve, 0 disapprove, 1 abstain [Wei])

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

### **P82079-2**

Preparation of information for use (instructions for use) of products--Part 2: Assembly of self-assembly products

**Recommendation:** Approve new PAR until December 2027

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

### **P3158.1**

Standard for Testing and Performance of a Trusted Data Matrix System

**Recommendation:** Approve new PAR until December 2027 (14 approve, 0 disapprove, 1 abstain [Wei])

### **P3329**

Standard for Quantum Computing Energy Efficiency

**Recommendation:** Approve new PAR until December 2027

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

### **P3337**

Standard for Accessible Intelligent Cyber-physical Systems (AICS) for Wellbeing

**Recommendation:** Defer new PAR until the next NesCom meeting to provide time for continued discussion and clarification of the PAR (5 approve, 2 disapprove, 8 abstain)

## **IEEE Industry Applications Society/Industrial & Commercial Power Systems Standards Development Committee**

### **P3001.1**

Recommended Practice for the Planning and Design of Industrial and Commercial Power Systems

**Recommendation:** Approve new PAR until December 2027

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

### **P62671**

Nuclear Power Plants - Instrumentation and Control Important to Safety - Selection and Use of Industrial Digital Devices of Limited Functionality

**Recommendation:** Approve new PAR until December 2027

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

### **PC37.20.9a**

Standard for Metal-Enclosed Switchgear Rated 1 kV to 52 kV Incorporating Gas Insulating Systems

Amendment: Clarification of metal-enclosed gas-insulated switchgear (MEGIS) types covered and production test

**Recommendation:** Approve new PAR until December 2027 (14 approve, 0 disapprove, 1 abstain [Edwards])

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

### **P1159.3-2019/Cor 1**

Recommended Practice for Power Quality Data Interchange Format (PQDIF) - Corrigendum 1

**Recommendation:** Approve new PAR until December 2027

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

### **P3345**

Guide for Terminology and Classification of Electric Vehicle Charging Robots

**Recommendation:** Approve new PAR until December 2027

### **P3346**

Guide for General Requirements of Electric Vehicle Charging Robots

**Recommendation:** Approve new PAR until December 2027

## **IEEE SA Board of Governors/Corporate Advisory Group**

### **P3182**

Standard for a Unified Terminology and Framework for Percutaneous and Non-Fluoroscopic Technology (PAN technology) in Cardiovascular Diseases

**Recommendation:** Approve new PAR until December 2027

## **IEEE Signal Processing Society/Synthetic Aperture Standards Committee**

### **P3339**

Recommended Practice for Aperture Synthesis of Architectural Instantiations of Radiometer Arrays

**Recommendation:** Approve new PAR until December 2027

### **P3343**

Standard for Field-Portable Synthetic Apertures

**Recommendation:** Approve new PAR until December 2027

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

**P7016.1**

Standard for Ethically Aligned Educational Metadata in Extended Reality (XR) & Metaverse

**Recommendation:** Defer new PAR until the next NesCom meeting to provide time to update the PAR (9 approve, 3 disapprove, 2 abstain)

**P7801**

Recommended Practice for Technical Knowledge Commons Initiatives and Platforms

**Recommendation:** Approve new PAR until December 2027

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

**P3344**

Standard for Scenario Description Language for Autonomous Driving

**Recommendation:** Approve new PAR until December 2027

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

**P3340**

Guide for the Design of Rail Vehicle Maintenance Facility Direct Current Power Distribution Systems

**Recommendation:** Approve new PAR until December 2027

**PARs for the Revision of Standards**

**IEEE Computer Society/Cloud Computing Standards Committee**

**P2301**

Guide for Cloud Portability and Interoperability Profiles (CPIP)

**Recommendation:** Approve PAR for the revision of a standard until December 2027

**IEEE Microwave Theory and Techniques Society/Standards Committee**

**P1765**

Recommended Practice for Estimating the Uncertainty in Error Vector Magnitude of Measured Digitally Modulated Signals for Wireless Communications: Conducted and Over-the-Air Hardware Verification

**Recommendation:** Approve PAR for the revision of a standard until December 2027

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

**P352**

Guide for General Principles of Reliability Analysis of Nuclear Power Generating Station Systems and Other Nuclear Facilities

**Recommendation:** Approve PAR for the revision of a standard until December 2027

**P649**

Standard for Qualifying Class 1E Motor Control Centers for Nuclear Facilities

**Recommendation:** Approve PAR for the revision of a standard until December 2027

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

**PC37.103**

Guide for Differential and Polarizing Relay Circuit Testing

**Recommendation:** Approve PAR for the revision of a standard until December 2027

**IEEE Power and Energy Society/Switchgear**

**PC37.13.1**

Standard for Definite-Purpose Switching Devices for Use in Metal-Enclosed Low-Voltage (600 V AC and Below) Power Circuit Breaker Switchgear

**Recommendation:** Approve PAR for the revision of a standard until December 2027 (13 approve, 0 disapprove, 1 abstain [Edwards])

**PC37.21**

Standard for Control Switchboards

**Recommendation:** Approve PAR for the revision of a standard until December 2027 (13 approve, 0 disapprove, 1 abstain [Edwards])

**IEEE Power and Energy Society/Transformers**

**PC57.12.34**

Standard Requirements for Pad-Mounted, Compartmental-Type, Self-Cooled, Three-Phase Distribution Transformers, 10 MVA and Smaller; High-Voltage, 34.5 kV Nominal System Voltage and Below; Low-Voltage, 15 kV Nominal System Voltage and Below

**Recommendation:** Approve PAR for the revision of a standard until December 2027

**PC57.32**

Standard for Requirements, Terminology, and Test Procedures for Neutral Grounding Devices

**Recommendation:** Approve PAR for the revision of a standard until December 2027

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

**P1070**

Guide for the Design and Testing of Transmission Modular Restoration Structure Components

**Recommendation:** Approve PAR for the revision of a standard until December 2027

**IEEE Vehicular Technology Society/Rail Transportation Standards Committee**

**P1478**

Standard for Environmental Conditions for Transit Railcar Electronic Equipment

**Recommendation:** Approve PAR for the revision of a standard until December 2027

## Standards Committee Changes

Current Standards Committee for the following standard: BOG/SESCoM; New Standards Committee: SEN/SC:

**2700** 'Standard for Sensor Performance Parameter Definitions'

Current Standards Committee for the following standard: VT/RTSC; New Standards Committee: VT/HSTMSC

**2753** 'Guide for the Measurement of Pantograph Off-Line and Evaluation of Current Collection Performance for High Speed Railway'

Current Standards Committee for the following PARs: VT/RTSC; New Standards Committee: VT/TPSSC:

**P2752** 'Guide for Multi-Point Grounding System of Trains in Electrified Railway'

**P2970** 'Guide for Synchronous Monitoring of the Magnitude and Distribution of Stray Current in Urban Rail Transit's Direct Current Traction System'

Current Standards Committee for the following standards: VT/RTSC; New Standards Committee: VT/TPSSC

**16** 'Standard for Electrical and Electronic Control Apparatus on Rail Vehicles'

**1478** 'Standard for Environmental Conditions for Transit Rail Car Electronic Equipment'

## PAR for Administrative Withdrawal

**P9274.4.1** (C/LT)

Recommended Practice for the Implementation of the Experience Application Programming Interface (API) 1.0.3  
(New PAR)

## Project Number Change Requests

Current Number: **P2975** (C/SM)

'Standard for Industrial Artificial Intelligence (AI) Data Attributes'

New Number: **P2975.1**

Current Number: **P1451.5p** (IM/ST)

'Standard for Radio Frequency Channel Specifications for Performance Assessment of Industrial Wireless Systems'

New Number: **P3388**