

IEEE SA Standards Board New Standards Committee (NesCom) Recommendations

[SASB approval date: 10-Dec-2025]

[All votes unanimous unless noted otherwise.]

Withdrawal Requests

IEEE Power and Energy Society/Energy Storage & Stationary Battery Committee **P2685**

Recommended Practice for Energy Storage for Stationary Engine-Starting Systems

Recommendation: Approve PAR withdrawal.

Modified PARs

IEEE Computer Society/LAN/MAN Standards Committee **P802.11bi**

Standard for Information Technology--Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks--Specific requirements—Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications

Amendment: Enhanced Service with Privacy Protection

Recommendation: Approve modified PAR. (Recuse: E. Au)

IEEE Electromagnetic Compatibility Society/Standards Development Committee **P2838**

Standard for Aerospace Component Lightning Strike Direct Effects Qualification

Recommendation: Approve modified PAR.

IEEE Industry Applications Society/Industrial Power Conversion Systems Department **P2943**

Recommended Practice for Testing Energy Efficiency of Adjustable Speed Drive Systems

Recommendation: Approve modified PAR.

IEEE Microwave Theory and Technology 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 modified PAR.

IEEE Power and Energy Society/Energy Development & Power Generation **P63197**

Standard Terms and Definitions for Hydraulic Turbine Governing Systems

Recommendation: Approve modified PAR.

IEEE Power and Energy Society/Energy Storage & Stationary Battery Committee **P2688**

Recommended Practice for Energy Storage Management Systems in Grid Applications

Recommendation: Approve modified PAR.

IEEE Power and Energy Society/Insulated Conductors **P3148**

Guide for Detection of Cable Metallic Sheath Current in Single Conductor Alternating Current (AC) Cables Rated 69 kV to 500 kV

Recommendation: Approve modified PAR.

IEEE Power and Energy Society/Power System Relaying and Control **P2030.100.1**

Monitoring and Diagnostics of IEC 61850 Generic Object Oriented System Event (GOOSE), Sampled Values (SV), and Supporting Systems

Recommendation: Approve modified PAR.

IEEE SA Board of Governors/Quantities, Units, and Symbols Standards Committee **P260.3**

Standard for Mathematical Signs and Symbols for Use in Physical Sciences and Technology

Recommendation: Approve modified PAR.

Extension Requests

IEEE Antennas and Propagation Society/Antennas and Propagation Standards Committee

P2816

Recommended Practice for Computational Electromagnetics Applied to Modeling and Simulation of Antennas

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

IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee

P1937.6

Standard for Unmanned Aerial Vehicle (UAV) Light Detection and Ranging (LiDAR) Remote Sensing Operation

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

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P2989

Standard for Authentication in a Multi-server Environment

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

IEEE Computer Society/Simulation Interoperability Stds Organization/Stds Activity Committee

P1278.1

Standard for Distributed Interactive Simulation--Application Protocols

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

IEEE Computer Society/Software & Systems Engineering Standards Committee

P828

Standard for Configuration Management in Systems and Software Engineering

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

P1228

Standard for Software Safety

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

P2998

Recommended Practice for Building Accessible Applications

Recommendation: Approve request for an extension until 31 December 2027. (Recuse: K. August)

IEEE Computer Society/Standards Activities Board Standards Committee

P7130

Standard for Quantum Technologies Definitions

Recommendation: Approve request for an extension until 31 December 2026. (Recuse: E. Au)

IEEE Consumer Technology Society/Emerging Technology Standards Committee

P2812

Guide for Minor Guardianship System for Online Mobile Gaming

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

P3141

Standard for 3D Body Processing

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

IEEE Consumer Technology Society/Smart Devices Standards Committee

P2979

Standard for Edge Intelligent Terminal for Expressway Cooperative Transportation

Recommendation: Approve request for an extension until 31 December 2027. (Abstain: G. Hiertz)

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P2838

Standard for Aircraft Component Lightning Strike Direct Effects Qualification

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

IEEE Engineering in Medicine and Biology Society/Standards Committee

P1752.2

Standard for Mobile Health Data: Representation of Cardiovascular, Respiratory, and Metabolic Measures

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

P2794

Reporting Standards for in vivo Neural Interface Research

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

P2795

Standard for Shared Analytics Across Secure and Unsecured Networks

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

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

P1451.5.5

Standard for a Smart Transducer Interface for Sensors and Actuator -- Wireless Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats -- LoRa Protocol

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

P1451.5.6

Standard for a Smart Transducer Interface for Sensors and Actuator -- Wireless Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats – Sigfox Protocol

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

P1451.5.10

Standard for a Smart Transducer Interface for Sensors and Actuator -- Wireless Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats – NB-IoT Protocol

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

P2805.3

Cloud-Edge Collaboration Protocols for Machine Learning

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

IEEE Industry Applications Society/Petroleum & Chemical Industry

P61886.3

Subsea Equipment – Part 3: Subsea Motors

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

IEEE Microwave Theory and Technology Society/Standards Committee

P3136

Standard for a Universal Waveguide Interface for Frequencies of 60 GHz and Above

Recommendation: Approve request for an extension until 31 December 2029.

IEEE Photonics Society/Standards Committee

P3112

Standard for Electronic Photonic Design Automation – Open Data Formats – Terminology and Definitions

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

IEEE Power and Energy Society/Electric Machinery

P62.2

Guide for Diagnostic Field Testing of Electric Power Apparatus - Electrical Machinery

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

P1434

Guide for the Measurement of Partial Discharges in AC Electric Machinery

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

P1719

Guide for Evaluating Stator Cores of AC Electric Machines Rated 1 MVA and Higher

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

IEEE Power and Energy Society/Energy Storage & Stationary Battery Committee

P1189

Guide for Selection of Batteries for Standby Applications

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

IEEE Power and Energy Society/Insulated Conductors

P1300

Guide for Cable Connections for Gas-Insulated Substations

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

P1428

Guide for Installation Methods for Fiber Optic Cables in Power Generating Stations and in Industrial Facilities

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

P1511

Guide for Investigating and Analyzing Power Cable, Joint, and Termination Failures on Systems Rated 2.5 kV Through 46 kV

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

P1511.1

Guide for Investigating and Analyzing Shielded Power Cable Failures on Systems Rated 2.5 kV Through 46 kV

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

P1511.2

Guide for Investigating and Analyzing Failures of Joints on Extruded Shielded Power Cables on Systems Rated 5 kV Through 46 kV

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

IEEE Power and Energy Society/Power System Instrumentation and Measurements

P4.1

Guide for the Practical Implementation of IEEE Standard 4 on High-Voltage and High-Current Measurement Systems

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

IEEE Power and Energy Society/Power System Relaying and Control
PC37.239

Standard for Common Format for Event Data Exchange (COMFEDE) for Power Systems

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

IEEE Power and Energy Society/Substations Committee
P998

Guide for Direct Lightning Stroke Shielding of Substations

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

P1534

Recommended Practice for Specifying Thyristor-Controlled Series Capacitors

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

P1818

Recommended Practice for the Design of Low-Voltage Auxiliary Systems for Electric Power Substations

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

PC37.122.10

Guide for Handling Non-Sulphur Hexafluoride (SF₆) Gases for High-Voltage Equipment Rated above 1000 Vac

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

PC37.430.10

Standard Definitions for Flexible Alternating Current Transmission Systems (FACTS) and High Voltage Direct Current (HVDC) Stations

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

PC37.431.20

Guide for Protecting Transmission Dynamic Reactive Power Compensators

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

PC37.431.40

Standard for Functional Specifications of Medium (1 kV to 69 kV) Voltage Series and Shunt Electronic Devices for Dynamic Voltage Compensation

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

IEEE Power and Energy Society/Surge Protective Devices Committee

PC62.21

Guide for the Application of Surge Voltage Protective Equipment on AC Rotating Machinery 1000 Volts and Greater

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

PC62.37

Standard for Test Methods and Preferred Values for Thyristor Surge Protective Components

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

PC62.42.5

Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports - Part 5: 2-Terminal Electronic Current Limiters

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

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 request for an extension until 31 December 2026.

PC37.20.4

Standard for AC Switches Rated above 1 kV up to 52 kV for Use in Metal-Enclosed Switchgear

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

PC37.010

Application Guide for AC High-Voltage Circuit Breakers > 1000 Vac Rated on a Symmetrical Current Basis

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

PC37.016

Standard for AC High Voltage Circuit Switchers Rated 15.5 kV through 245 kV

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

IEEE Power and Energy Society/Transformers

PC57.13.9

Standard for Power-Line Carrier Coupling Capacitors and Coupling Capacitor Voltage Transformers

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

PC57.96

Guide for Loading Dry-Type Distribution and Power Transformers

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

PC57.141

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

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

IEEE Power and Energy Society/Transmission and Distribution

P1036

Guide for the Application of Shunt Power Capacitors

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

P1067

Guide for In-Service Use, Care, Maintenance, and Testing of Conductive Clothing Used for Live Work and Power Frequency AC Induction Protection

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

P1410

Guide for Improving the Lightning Performance of Electric Power Overhead Distribution Lines

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

P1564

Guide for Voltage Sag Indices

Recommendation: Approve request for an extension until 31 December 2027. (Abstain: D. Sabin)

P1882

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

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

P2798

Guide for Helicopter Operation Procedures for the Utility Industry

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

P2844

Recommended Practice for Limiting Voltage Imbalance in Electric Power Systems

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

IEEE Reliability Society/IEEE Reliability Society Standards Committee

P1413

Standard Framework for Reliability Prediction of Hardware

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

IEEE Robotics and Automation Society/Standing Committee for Standards

P7008

Standard for Ethically Driven Nudging for Robotic, Intelligent and Autonomous Systems

Recommendation: Approve request for an extension until 31 December 2026. (Abstain: G. Hiertz)

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P2982

Millimeter-Wave Channel Sounder Verification

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

New PARs

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

P1966

Standard for Comprehensive Energy Data Collection and Perception Security

Recommendation: Approve new PAR until December 2029.

IEEE Communications Society/Power Line Communications

P2030.5.100

Standard Conformance Test Procedures for IEEE Std 2030.5

Recommendation: Approve new PAR until December 2029.

IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee

P1936.23

Standard for Communications Network Monitoring for Unmanned Aircraft Systems (UAS) in Power Grid Inspection Applications

Recommendation: Approve new PAR until December 2029.

P1936.24

Standard for Technical Requirements for Unmanned Aerial Systems (UAS) Based Monitoring of Soil and Water

Surrounding Electrical Power Transmission and Transformer Deployments

Recommendation: Approve new PAR until December 2029.

P1937.19

Standard for Coding of Cargo Data of Unmanned Aerial Vehicle (UAV) Used for Beyond Visual Line of Sight (BVLOS) Logistics

Recommendation: Approve new PAR until December 2029.

P1937.20

Standard for Reference Architecture for Mesh Networking Communication of Unmanned Aircraft Systems (UAS) for Inspection of Overhead Transmission and Distribution Lines.

Recommendation: Approve new PAR until December 2029.

P1937.23

Standard for the Requirements of Multi-Rotor Unmanned Aircraft Systems (UAS) for Transportation under Hazard-Constrained Conditions

Recommendation: Approve new PAR until December 2029.

IEEE Computational Intelligence Society/Standards Committee

P3900

Guide for Federated Learning of Power User Electric Energy Data Acquisition and Analysis

Recommendation: Approve new PAR until December 2029. (Recuse: Y. Chi)

P3901

Guide for Artificial Intelligence Computing-Power Network of Electric Power Sector

Recommendation: Approve new PAR until December 2029.

P3904

Standard for Inference Engine Adaptability of Large-Scale Deep Learning Models

Recommendation: Approve new PAR until December 2029.

P3905

Standard for Large Model Inference Systems for Intelligent Terminal Devices

Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/Artificial Intelligence Standards Committee

P3777

Standard for Benchmarking and Performance Metrics of Artificial Intelligence (AI) Agents

Recommendation: Approve new PAR until December 2029.

P3796

Standard for Binary Compliance Requirements of Industrial Vision Inspection Systems in Smart Manufacturing of Household Appliances

Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/Blockchain and Distributed Ledgers

P3225.03

Guide for Blockchain-Based Embodied Artificial Intelligence (AI) Applications in Power Systems

Recommendation: Approve new PAR until December 2029.

P3240.17

Standard for Distribution Network Power Supply Reliability Data Management Based on Blockchain

Recommendation: Approve new PAR until December 2029.

P3240.18

Standard for Blockchain-Based Green Data Center Electricity Consumption Traceability

Recommendation: Approve new PAR until December 2029.

P3240.19

Standard for Technical Specification of Blockchain-Based Intelligent Electronic Devices (IEDs) in Decentralized Power Systems

Recommendation: Approve new PAR until December 2029.

P3240.20

Standard for Blockchain-Based Environmental Protection and Power Consumption Monitoring Platform

Recommendation: Approve new PAR until December 2029.

P3240.21

Standard for Blockchain-Based Data Storage of Generation-Side Distributed Resources in Virtual Power Plants

Recommendation: Approve new PAR until December 2029.

P3240.22

Standard for Performance Assessment for Resource Recycling of Energy Equipment with Blockchain Technology

Recommendation: Approve new PAR until December 2029.

P3241.07

Standard for Blockchain-Based Electricity Carbon Emission Monitoring

Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/Data Compression Standards Committee

P3911

Standard for Holographic Video Coding

Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/Design Automation

P3733

Standard for Universal Foundry Process Design Kit (PDK)

Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/Knowledge Engineering Standards Committee

P3918

Guide for Construction of Digital Model Libraries for Transmission Lines

Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/LAN/MAN Standards Committee

P802.1AEef

IEEE Standard for Local and metropolitan area networks-Media Access Control (MAC) Security Amendment: Ascon Cipher Suite

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

P802.1AReg

IEEE Standard for Local and Metropolitan Area Networks - Secure Device Identity Amendment: Support for the Module-Lattice-Based Digital Signature Algorithm

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

P802.3ds

IEEE Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for 200 Gb/s and greater Operation over Multimode Fiber using 200 Gb/s signaling

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

IEEE Computer Society/Standards Activities Board Standards Committee

P3910

Recommended Practice for Evaluating the Artificial Intelligence (AI) Readiness of Scientific Datasets

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

P3912

Recommended Practice for the Application of Scientific Data Persistent Identifier in Open-Sharing Services

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

IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee

P3849

Standard for Requirements of Blockchain-Based Trusted Data Circulation for the Industrial Internet of Things (IIoT)

Recommendation: Approve new PAR until December 2029.

P3850

Standard for Technical Requirements of Artificial Intelligence (AI) Agent Customer Service for Power Grids

Recommendation: Approve new PAR until December 2029. (Recuse: Y. Chi)

P3851

Standard for General Requirements of Coordinated Management of Computing Resources in Data Centers

Recommendation: Approve new PAR until December 2029.

P3852

Standard for Framework and Requirements for Household and Commercial Appliances as a Service

Recommendation: Approve new PAR until December 2029.

P3853

Standards for Evaluation Methods for the Value and Applicability of Transmission Sensing Data of Power Equipment in Special Environments

Recommendation: Approve new PAR until December 2029.

P3854

Standard for Maturity Capability Requirements for Data Assets in the Energy Industry

Recommendation: Approve new PAR until December 2029.

P3855

Standard for Technical Requirements for Economical Computing and Energy Converged Management

Recommendation: Approve new PAR until December 2029.

IEEE Consumer Technology Society/Emerging Technology Standards Committee

P3907

Standard for Terminology in Low-Altitude (less than or equal to 1000 m Above Ground) Technology

Recommendation: Approve new PAR until December 2029.

P3915

Standard for Technical Specification for Wireless Screen Projection Performance of Smart Televisions

Recommendation: Approve new PAR until December 2029.

IEEE Geoscience and Remote Sensing Society/Standards Committee

P4011

Recommended Practice for the Utilization of Earth Observation Data and Services in Multi-Hazard Disaster Management and Early Warning

Recommendation: Approve new PAR until December 2029.

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

P3755

Recommended Practice for On-Site Assembly, Commissioning, Operation and Maintenance of Prefabricated Transformer Zone Modules (0.4 kV to 22 kV) in Industrial and Commercial Power Systems Facilities

Recommendation: Approve new PAR until December 2029.

IEEE Industry Applications Society/Petroleum & Chemical Industry

P841.2

Standard for Process Industry—Premium Efficiency, Severe-Duty, Totally Enclosed, Vertical, Squirrel Cage Induction Motors 0.75 kW to 370 kW (1 hp to 500 hp)

Recommendation: Approve new PAR until December 2029.

IEEE Instrumentation and Measurement Society/TC4 - High Frequency Measurement

P3761

Recommended Practice for Signal Measurement of Electromagnetic Disturbance with Optical Fiber Technology—Generic Specification

Recommendation: Approve new PAR until December 2029.

IEEE Intelligent Transportation Systems Society/Standards Committee

P3797

Guide for Control of Electric Vehicle Battery Swap Stations for□
Transportation Electrification

Recommendation: Approve new PAR until December 2029.

P3798

Guide for Coordinated Operation of Electric Vehicle Battery Swap Stations with Integrated Photovoltaic Systems

Recommendation: Approve new PAR until December 2029.

P3908

Standard for Weather Early Warning for Low-Altitude (less than or equal to 1000 m Above Ground) Drone and Electric Vertical Takeoff and Landing (eVTOL) Flight Safety

Recommendation: Approve new PAR until December 2029.

P3909

Standard for Operational Safety Capability Assessment of Low-Altitude (less than or equal to 1000 m Above Ground) Air Routes

Recommendation: Approve new PAR until December 2029.

IEEE Power and Energy Society/Energy Development & Power Generation

P2800a

IEEE Standard for Interconnection and Interoperability of Inverter-Based Resources (IBRs) Interconnecting with Associated Transmission Electric Power Systems Amendment: Reduce Barriers for IBRs with Grid-Forming Equipment

Recommendation: Approve new PAR until December 2029.

P2800.1

Recommended Practice for Functional Capabilities and Performance of Grid Forming Equipment in Inverter-Based Resources (IBRs) / Converter-Based Resources (CBRs)

Recommendation: Approve new PAR until December 2029.

IEEE Power and Energy Society/Energy Storage & Stationary Battery Committee

P1679.5

Guide for the Characterization and Evaluation of Long-Duration Energy Storage Technologies in Stationary Applications

Recommendation: Approve new PAR until December 2029.

P3731

Recommended Practice for Testing Household Hybrid Photovoltaic and Storage Converters

Recommendation: Approve new PAR until December 2029.

**IEEE Power and Energy Society/Transmission and Distribution
P1409.1**

Guide for Long-Term Assessment of Steady-State Power Quality Improvement Projects

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

**IEEE SA Board of Governors/Entity Collaborative Activities Governance Board
P3921**

Guide for Dynamic Carbon Emission Responsibility Accounting Method for Electricity Consumers

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

**IEEE Signal Processing Society/Synthetic Aperture Standards Committee
P3919**

Standard for Synthetic Aperture Channel Sounding in Support of Non-Terrestrial Networks

Recommendation: Approve new PAR until December 2029.

**IEEE Society on Social Implications of Technology/Social Implications of Technology Standards
Committee
P2089.4**

Standard for Artificial Intelligence (AI) Systems Impacting Children

Recommendation: Approve new PAR until December 2029.

P3923

Standard for Assessing Organizational Readiness for Human-Artificial Intelligence (AI) Identity Resilience and Interaction Score

Recommendation: Approve new PAR until December 2029.

P3925

Standard for Evaluation of Wearable Fall Detection Devices

Recommendation: Approve new PAR until December 2029.

P7021

Recommended Practice for Implementing Ethical Artificial Intelligence (AI) in Long-Term Climate Projections Towards Sustainability

Recommendation: Approve new PAR until December 2029.

**IEEE Vehicular Technology Society/Automated Vehicles Standards Committee
P3913**

Guide for Evaluation Framework for Dispatchable Load Potential of Electric Vehicles

Recommendation: Approve new PAR until December 2029.

**IEEE Vehicular Technology Society/Traction Power Systems Standards Committee
P3917**

Recommended Practice for Relay Protection System for Direct Current (DC) Traction Power Substations (up to 1500 V DC Nominal Output)

Recommendation: Approve new PAR until December 2029.

PARs for the Revision of Standards

**IEEE Computer Society/Design Automation
P1735**

Recommended Practice for Encryption and Management of Electronic Design Intellectual Property (IP)

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

**IEEE Computer Society/LAN/MAN Standards Committee
P802.3**

Standard for Ethernet

Recommendation: Approve PAR for the revision of a standard until December 2029. (Recuse E. Au)

**IEEE Computer Society/Simulation Interoperability Stds Organization/Stds Activity Committee
P1278.2**

Standard for Distributed Interactive Simulation (DIS)—Communication Services and Profiles

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

**IEEE Engineering in Medicine and Biology Society/IEEE 11073 Standards Committee
P11073-10206**

Standard for Health informatics - Device interoperability - Part 10206: Personal health device communication - Abstract Content Information Model

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

P11073-10424

Standard for Health Informatics - Device Interoperability - Personal health device communication - Device Specialization - Sleep Apnoea Breathing Therapy Equipment (SABTE)

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

IEEE Industry Applications Society/Petroleum & Chemical Industry

P841

Standard for Process Industry—Premium Efficiency and Premium Efficiency 4, Severe-Duty, Totally Enclosed, Squirrel Cage Induction Motors 0.75 kW to 370 kW (1 hp to 500 hp)

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

P1673

Standard for Requirements for Conduit and Cable Seals for Field Connected Wiring to Equipment in Petroleum and Chemical Industry Exposed to Pressures above Atmospheric (1.5 kPa, 0.22 psi)

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

IEEE Power and Energy Society/Energy Development & Power Generation

P2800

Standard for Interconnection and Interoperability of Inverter/Converter-Based Resources (IBRs/CBRs) Interconnecting with Transmission Electric Power Systems

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

IEEE Power and Energy Society/Energy Storage & Stationary Battery Committee

P2686

Recommended Practice for Battery Management Systems in Stationary Energy Storage Applications

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

IEEE Power and Energy Society/Power System Relaying and Control

P2030.101

Guide for Designing Time Synchronization Systems for Electric Power Systems

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

PC37.112

Standard for Inverse-Time Characteristics Equations for Overcurrent Relays

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

IEEE Power and Energy Society/Switchgear

PC37.121

Guide for Switchgear--Unit Substation--Requirements

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

IEEE Power and Energy Society/Transmission and Distribution

P1835

Standard for Atmospheric (Above Grade) Corrosion Control of Existing Electric Transmission, Distribution, and Substation Structures by Coating Systems

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

P1839

Standard for Below-Grade Corrosion Control of Transmission, Distribution, and Substation Structures by Coating Repair Systems

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

P1895

Standard for Below-Grade Inspection and Assessment of Corrosion on Steel Transmission, Distribution, and Substation Structures

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

PARS FOR ADMINISTRATIVE WITHDRAWAL – DECEMBER 2025
revised 11/19/2025

Project Number	Standards Committee	Title
P1377	BOG/SESCoM/SC31/P1377	Standard for Utility Industry Metering Communication Protocol Application Layer (End Device Data Tables)
P1701	BOG/SESCoM/SC31/P1701	Standard for Optical Port Communication Protocol to Complement the Utility Industry End Device Data Tables
P1702	BOG/SESCoM/SC31/P1702	Standard for Telephone Modem Communication Protocol to Complement the Utility Industry End Device Data Tables
P1703	BOG/SESCoM/SC31/P1703	Standard for Local Area Network/Wide Area Network (LAN/WAN) Node Communication Protocol to Complement the Utility Industry End Device Data Tables
P1076	C/DA/P1076	Standard for VHDL Language Reference Manual
P7004	C/LT/WG-CSDG	Standard for Child and Student Data Governance
P9274.4.2	C/LT/xAPI-C	Recommended Practice for Cybersecurity in the Implementation of the Experience Application Programming Interface (xAPI)
P2983	CIS/SC/VGV WG	Standard for Video Games Vocabulary
P1938.1	COM/NetSoft-SC/SNR	Standard for Software Defined Protocol and Functional Requirements for Improvement of the Signal-to-Noise Ratio (SNR) in Communications Channels
P2418.6	EMB/StdS Com/BDLTH WG	Standard for a Framework for Web3 in Decentralized Trusted Work Flows in Healthcare and Life Sciences
P2968.1	EMB/StdS Com/DCTPS	Trial Use Recommended Practice for Decentralized Clinical Trials Patient Safety
P2968.2	EMB/StdS Com/DCTPS	Trial Use Recommended Practice for Decentralized Clinical Trials Threat Modeling, Cybersecurity, and Data Privacy
P3135	EMB/StdS Com/EMB/StdS Com/NF-Systems	Standard for Specifying Requirements for Neurofeedback Systems Design
P1128	EMC/SDCoM/WG1128	Recommended Practice for Radio-Frequency (RF) Absorber Evaluation in the Range of 30 MHz to 40 GHz
P2452	IM/TET/Lidar	Standard for the Performance of Lidar Used in Traffic Speed Measurements

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PC50.13	PE/EM/GEN - WGP50.13 WG8	Standard for 50 and 60 Hz Synchronous Generators for Non-Hydraulic Applications Rated 10 MVA and Above
P1415	PE/EM/Motor - WG1415	Guide for Induction Machinery Maintenance Testing and Failure Analysis
P1289	PE/NPEC/WG_5.2	Guide for the Application of Human Factors Engineering in the Design of Computer-Based Monitoring and Control Displays for Nuclear Power Generating Stations and other Nuclear Facilities
P367	PE/PSCC/SC6-WG	Recommended Practice for Determining the Electric Power Station Ground Potential Rise and Induced Voltage from a Power Fault
P1646	PE/PSRCC/H41_P1646	Standard Communication Delivery Time Performance Requirements for Electric Power Substation Automation
P2825	PE/SUB/SCI0/WGI	Guide for Static Synchronous Series Compensator General Requirements and Test Methods
P2981	PE/T&D/UHVDC CSF	Guide for Converter Station Fittings of Ultra-high Voltage (above or equal to 800 kV) Direct Current Power Transmission Projects
PC57.124	PE/TR/DryType/WGC57.124	Recommended Practice for the Detection of Partial Discharge and the Measurement of Apparent Charge in Dry-Type Transformers
P2987	SSIT/SC	Recommended Practice for Principles for Design and Operation Addressing Technology-Facilitated Interpersonal Control