

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

[SASB approval date: 21-Sep-2022]

[All votes unanimous unless noted otherwise.]

### Withdrawal Requests

#### IEEE Computer Society/Standards Activities Board

##### P2963

Standard for Data Formats for Smart Legal Contracts

**Recommendation:** Approve PAR withdrawal

#### IEEE Power and Energy Society/Surge Protective Devices/Low Voltage

##### PC62.44a

Guide for the Application of Low-Voltage (1000 V rms or Less) Surge Protective Devices Used on Secondary Distribution Systems (Between the Transformer Low-Voltage Terminals and the Line Side of the Service Equipment)

Amendment 1 - Annex D

**Recommendation:** Approve PAR withdrawal

### Modified PARs

#### IEEE Computer Society/Design Automation

##### P3164

Standard for Security Annotation for Electronic Design Integration

**Recommendation:** Approve modified PAR

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

##### P60802

Time-Sensitive Networking Profile for Industrial Automation

**Recommendation:** Approve modified PAR

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

##### P1451.0

Standard for a Smart Transducer Interface for Sensors, Actuators, Devices, and Systems - Common Functions, Communication Protocols, and Transducer Electronic Data Sheet (TEDS) Formats

**Recommendation:** Approve modified PAR

##### 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 modified PAR

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

##### P1202

Standard for Flame-Propagation Testing of Wire and Cable

**Recommendation:** Approve modified PAR

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

##### P2845

Trial Use 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 modified PAR

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

##### P3300

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Multimodal Conversation Version 1.2

**Recommendation:** Approve modified PAR

##### P3302

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Context-based Audio Enhancement (CAE) Version 1.4

**Recommendation:** Approve modified PAR

#### IEEE-SASB Coordinating Committees/SCC21 - Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage

### **P2030.10.1**

Standard for Electricity Access Requirements with Safety Extra Low Voltage (SELV) DC for Tier II and Tier III of Energy Sector Management Assistance Program (ESMAP) Multi-tier Framework for Household Electricity Supply

**Recommendation:** Approve modified PAR

## **Extension Requests**

### **IEEE Computer Society/Design Automation**

#### **P1666**

Standard for SystemC Language Reference Manual

**Recommendation:** Approve request for an extension until December 2023

#### **P1735**

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

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

#### **P1801**

Standard for Design and Verification of Low Power, Energy Aware Electronic Systems

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

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

#### **P802.1CQ**

Standard for Local and Metropolitan Area Networks: Multicast and Local Address Assignment

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

#### **P802.1DC**

Quality of Service Provision by Network Systems

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

#### **P802.1Qcz**

Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks

Amendment: Congestion Isolation

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

#### **P802.1Qdd**

Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks

Amendment: Resource Allocation Protocol

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

#### **P802.11bb**

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: Light Communications

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

#### **P802.11bc**

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 Broadcast Service

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

#### **P802.11bd**

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: Enhancements for Next Generation V2X

**Recommendation:** Approve request for an extension until December 2023

#### **P802.15.13**

Standard for Multi-Gigabit per Second Optical Wireless Communications (OWC), with Ranges up to 200 meters, for both stationary and mobile devices

**Recommendation:** Approve request for an extension until December 2023

#### **P60802**

Time-Sensitive Networking Profile for Industrial Automation

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

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

#### **P1012**

Standard for System, Software, and Hardware Verification and Validation

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

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

### **P2418.3**

Standard for the Framework of Distributed Ledger Technology (DLT) Use in Agriculture

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

### **P7131**

Standard for Quantum Computing Performance Metrics & Performance Benchmarking

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

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

#### **P1687.1**

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

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

### **P2654**

Standard for System Test Access Management (STAM) to Enable Use of Sub-System Test Capabilities at Higher Architectural Levels

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

### **IEEE Dielectrics and Electrical Insulation Society/Standards Committee**

#### **P1043**

Recommended Practice for Voltage-Endurance Testing of Form-Wound Bars and Coils

**Recommendation:** Approve request for an extension until December 2023

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

#### **P2731**

Standard for a Unified Terminology for Brain-Computer Interfaces

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

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

#### **P4002**

Standard for Synthetic Aperture Radar Metadata Content

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

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

#### **P21451-1-6**

Standard for a Smart Transducer Interface for Sensors, Actuators, and Devices - Message Queue Telemetry Transport (MQTT) for Networked Device Communication

**Recommendation:** Approve request for an extension until December 2023

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

#### **P3001.9**

Recommended Practice for the Design of Power Systems Supplying Lighting Systems in Commercial and Industrial Facilities

**Recommendation:** Approve request for an extension until December 2023

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

#### **P303**

Recommended Practice for Auxiliary Devices for Rotating Electrical Machines in Class I, Division 2 and Zone 2 Locations and Class II, Division 2 and Zone 22 Locations

**Recommendation:** Approve request for an extension until December 2023

### **P62395-1**

Electrical Resistance Trace Heating Systems for Industrial and Commercial Applications – Part 1: General and testing requirements

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

### **P80005-3**

Utility Connections in Port - Part 3: Low Voltage Shore Connection (LVSC) Systems - General Requirements

**Recommendation:** Approve request for an extension until December 2023

### **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 request for an extension until December 2025

### **IEEE Power and Energy Society/Electric Machinery**

#### **PC50.12**

Standard for 50 Hz and 60 Hz Synchronous Generators and Generator/Motors Coupled to Hydraulic Turbines and Rated 5 MVA and Above

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

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

### **P63197**

Standard Terms and Definitions for Turbine Governing Systems

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

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

### **P2686**

Recommended Practice for Battery Management Systems in Energy Storage Applications

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

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

### **P495**

Guide for Testing Faulted Circuit Indicators

**Recommendation:** Approve request for an extension until December 2023

### **P1142**

Guide for the Selection, Testing, Application and Installation of 300 V to 500 kV Cables Having Radial-Moisture Barriers and/or Longitudinal Water Blocking

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

### **P1202**

Standard for Testing Flame-Propagation and Smoke Generation of Cables

**Recommendation:** Approve request for an extension until December 2023

### **P1235**

Guide for Properties of Stripes and Ridges for Identification of Underground Power Cable Jackets and Ducts

**Recommendation:** Approve request for an extension until December 2023

### **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 December 2025

### **PC62.22.1**

Guide for Connection of Surge Arresters to Protect Insulated Shielded Electric Power Cable Systems Up to 46 kV

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

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

### **P7-4.3.2**

Standard Criteria for Programmable Digital Devices in Safety Systems of Nuclear Power Generating Stations

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

### **P420**

Standard for the Design and Qualification of Class 1E Control Boards, Panels, and Racks Used in Nuclear Power Generating Stations

**Recommendation:** Approve request for an extension until December 2023

### **P2421**

Guide for Designing and Developing Computer-Based Displays for Monitoring and Control of Nuclear Facilities

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

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

### **P643**

Guide for Power-Line Carrier Applications

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

### **P2664**

Standard for Streaming Telemetry Transport Protocol

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

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

### **P2030.12**

Guide for the Design of Microgrid Protection Systems

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

### **P2030.100.1**

Monitoring and Diagnostics of IEC 61850 Generic Object Oriented Status Event (GOOSE) and Sampled Values Based Systems

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

### **PC37.1.2**

Guide for Databases Used in Utility Automation Systems

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

### **PC37.233**

Guide for Power System Protection Testing

**Recommendation:** Approve request for an extension until December 2023

### **PC37.300**

Guide for Centralized Protection and Control (CPC) Systems within a Substation

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

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

#### **P998**

Guide for Direct Lightning Stroke Shielding of Substations

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

#### **P1818**

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

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

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

#### **PC57.12.44**

Standard Requirements for Secondary Network Protectors

**Recommendation:** Approve request for an extension until December 2023

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

#### **P1695**

Guide to Understanding, Diagnosing, and Mitigating Stray and Contact Voltage

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

#### **P2748**

Recommended Practice for Fault Diagnosis and Protection in Smart Distribution System

**Recommendation:** Approve request for an extension until December 2023

#### **P2749**

Recommended Practice for Risk Identification and Evaluation of Smart Power Distribution System

**Recommendation:** Approve request for an extension until December 2023

#### **P2797**

Guide for Forecast and Early Warning of Icing on Overhead Transmission Lines in Micro-topographic Areas

**Recommendation:** Approve request for an extension until December 2023

### **IEEE Reliability Society/IEEE Reliability**

#### **P1413.1**

Guide for Selecting and Using Reliability Predictions Based on IEEE 1413

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

#### **P1624**

Standard for Organizational Reliability Capability

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

### **IEEE Vehicular Technology Society/Communications Based Train Control and Signals**

#### **P1474.2**

Standard for User Interface Requirements in Communications-Based Train Control (CBTC) Systems

**Recommendation:** Approve request for an extension until December 2023

#### **P1474.3**

Recommended Practice for Communications-Based Train Control (CBTC) System Design and Functional Allocations

**Recommendation:** Approve request for an extension until December 2023

## **New PARs**

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

#### **P1936.3**

Standard for Unmanned Aircraft Systems (UAS) using Light Detection and Ranging (LiDAR) for above 110 kV Overhead Transmission Line Survey and Design

**Recommendation:** Approve new PAR until December 2026

#### **P1936.4**

Standard for Technical Requirements for the Maintenance of Multi-rotor Unmanned Aircraft Systems Used for Power Grid Inspection

**Recommendation:** Approve new PAR until December 2026

#### **P1936.5**

Standard for Technical Requirements for Intelligent Hangar Housing Unmanned Aircraft Systems Used for Power Grid Inspection

**Recommendation:** Approve new PAR until December 2026

#### **P1937.11**

Standard for Technical Requirements of Polar Coordinate Photogrammetry Based on Unmanned Aircraft System

**Recommendation:** Approve new PAR until December 2026

### **P1937.12**

Standard for Technical Requirements for Emergency Cellular Communication System Based on Fixed-Wing Unmanned Aircraft System

**Recommendation:** Approve new PAR until December 2026

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

#### **P3193**

Recommended Practice on Large-scale Pre-trained Deep Learning Model Application Framework

**Recommendation:** Approve new PAR until December 2026

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

#### **P2883.1**

Recommended Practice for Use of Storage Sanitization Methods

**Recommendation:** Approve new PAR until December 2026

### **IEEE Computer Society/Data Compression Standards Committee**

#### **P3161.9**

Standard for Protocols and Interfaces of Digital Retina Systems

**Recommendation:** Approve new PAR until December 2026

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

#### **P802.1CS-2020/Cor 1**

Standard for Local and Metropolitan Area Networks--Link-local Registration Protocol - Corrigendum 1 Corrections to YANG Data Model

**Recommendation:** Approve new PAR until December 2026

#### **P802.1Qdv**

Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks

Amendment: Enhancements to Cyclic Queuing and Forwarding

**Recommendation:** Approve new PAR until December 2026

#### **P802.1Qdw**

Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks

Amendment: Source Flow Control

**Recommendation:** Approve new PAR until December 2026

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

#### **P3079.2.2**

Standard for UI (User Interface)/UX (User Experience) Framework for Motion Training

**Recommendation:** Approve new PAR until December 2026

#### **P3079.3.1**

Standard for Service Application Programming Interfaces (APIs) for Digital Human Authoring and Visualization

**Recommendation:** Approve new PAR until December 2026

#### **P3185**

Standard for Hybrid Quantum-Classical Computing

**Recommendation:** Approve new PAR until December 2026

#### **P3188**

Standard for Virtual E-card Platform

**Recommendation:** Approve new PAR until December 2026

#### **P3190**

Recommended Practice for Open Source Software Project Governance

**Recommendation:** Approve new PAR until December 2026

#### **P3195**

Standard for Requirements for a Mid-Level Ontology and Extensions

**Recommendation:** Approve new PAR until December 2026

#### **P3195.1**

Standard for Common Core Ontology (CCO)

**Recommendation:** Approve new PAR until December 2026

#### **P3195.1.1**

Standard for Cyber Ontology

**Recommendation:** Approve new PAR until December 2026

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

#### **P2710**

Recommended Practice for Techniques to Evaluate the Performance of Enclosures and Other Methods for



Electromagnetically Shielding Portable Electronic Devices

**Recommendation:** Approve new PAR until December 2026

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

**P3183**

Recommended Practice for the Usability Assessment of Digital Therapeutics Software for Psychological Behavioral Therapy

**Recommendation:** Approve new PAR until December 2026

**P3191**

Recommended Practice for Performance Monitoring of Machine Learning-enabled Medical Device in Clinical Use

**Recommendation:** Approve new PAR until December 2026

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

**P1584.2**

Guide and Checklists for the Data Collection for Performing an Arc-Flash Hazard Calculation Study in Accordance with IEEE Std. 1584™ and IEEE Std.1584.1™ for Systems Operating at Three-Phase 50/60 Hz Alternating Current (AC) 1000 V and below

**Recommendation:** Approve new PAR until December 2026

**IEEE Instrumentation and Measurement Society/TC45 - Radiation and Nuclear Instrumentation and Systems**

**PN42.49.1**

Performance Criteria for Non-alarming Personal Emergency Radiation Detectors (PERDs) for Exposure Control

**Recommendation:** Approve new PAR until December 2026

**PN42.55**

Standard for the Performance of Portable Transmission X-Ray Systems for Use in Improvised Explosive Device and Hazardous Device Identification

**Recommendation:** Approve new PAR until December 2026

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

**P3189**

Recommended Practice for the Design and Construction of Prefabricated and Modular Outdoor Battery Enclosures

**Recommendation:** Approve new PAR until December 2026

**IEEE Power and Energy Society/Surge Protective Devices/Low Voltage**

**PC62.42.7**

Guide for the Application of Thyristor Surge Protective Components

**Recommendation:** Approve new PAR until December 2026

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

**P3192**

Guide for Corrosion Inspection and Evaluation of High Voltage Direct Current (HVDC) Grounding Electrodes ( $\pm 400$  kV to  $\pm 1100$  kV)

**Recommendation:** Approve new PAR until December 2026

**P3194**

Standard for Insulating Scissor-Type Platform for Live-Line Working

**Recommendation:** Approve new PAR until December 2026

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

**P1872.3**

Standard for Ontology Reasoning on Multiple Robots

**Recommendation:** Approve new PAR until December 2026 (13 approve, 0 disapprove, 1 abstain)

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

**P7700**

Recommended Practice for the Responsible Design and Development of Neurotechnologies

**Recommendation:** Approve new PAR until December 2026

**P7800**

Recommended Practice for Addressing Sustainability, Environmental Stewardship and Climate Change Challenges in Professional Practice

**Recommendation:** Approve new PAR until December 2026

**IEEE-SASB Coordinating Committees/SCC31 - Automatic Meter Reading and Energy Management**

**P3197**

Guide for Data Transmission Interface of Smart Meters

**Recommendation:** Approve new PAR until December 2026

**PARs for the Revision of Standards**

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

### **P802.15.4**

Standard for Low-Rate Wireless Networks

**Recommendation:** Approve PAR for the revision of a standard until December 2026

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

### **P29119-5**

Software and systems engineering -- Software testing -- Part 5: Keyword-Driven Testing

**Recommendation:** Approve PAR for the revision of a standard until December 2026

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

### **P3004.5**

Recommended Practice for the Application of Low-Voltage Circuit Breakers in Industrial and Commercial Power Systems

**Recommendation:** Approve PAR for the revision of a standard until December 2026

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

### **P45.8**

Recommended Practice for Electrical Installations on Shipboard--Cable Systems

**Recommendation:** Approve PAR for the revision of a standard until December 2026

## **IEEE Power and Energy Society/Electric Machinery**

### **P43**

Recommended Practice for Testing Insulation Resistance of Electric Machinery

**Recommendation:** Approve PAR for the revision of a standard until December 2026

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

### **P422**

Guide for the Design of Cable Raceway Systems for Electric Generating Facilities

**Recommendation:** Approve PAR for the revision of a standard until December 2026

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

### **P946**

Recommended Practice for the Design of DC Power Systems for Stationary Applications

**Recommendation:** Approve PAR for the revision of a standard until December 2026

### **P1679.1**

Guide for the Characterization and Evaluation of Lithium-Based Batteries in Stationary Applications

**Recommendation:** Approve PAR for the revision of a standard until December 2026

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

### **P400.2**

Guide for Field Testing of Shielded Power Cable Systems Using Very Low Frequency (VLF) (less than 1 Hz)

**Recommendation:** Approve PAR for the revision of a standard until December 2026

### **P1143**

Guide on Shielding Practice for Low Voltage Cables

**Recommendation:** Approve PAR for the revision of a standard until December 2026

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

### **P497**

Standard Criteria for Accident Monitoring Instrumentation for Nuclear Power Generating Stations

**Recommendation:** Approve PAR for the revision of a standard until December 2026

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

### **PC37.111**

International Standard - Measuring relays and protection equipment – Part 24: Common format for transient data exchange (COMTRADE) for power systems

**Recommendation:** Approve PAR for the revision of a standard until December 2026

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

### **P1246**

Guide for Temporary Protective Grounding Systems Used in Substations

**Recommendation:** Approve PAR for the revision of a standard until December 2026

### **PC37.122.1**

Guide for Gas-Insulated Substations Rated Above 52 kV

**Recommendation:** Approve PAR for the revision of a standard until December 2026 (13 approve, 0 disapprove, 1 abstain)

## **IEEE Power and Energy Society/Surge Protective Devices/Low Voltage**

### **PC62.55**

Guide for Surge Protection of DC Power Feeds to Remote Radio Heads



**Recommendation:** Approve PAR for the revision of a standard until December 2026 (7 approve, 5 disapprove, 3 abstain)

**IEEE Power and Energy Society/Switchgear**

**PC37.27**

Guide for Low-Voltage AC (635 V and below) Power Circuit Breakers Applied with Separately-Mounted Current-Limiting Fuses

**Recommendation:** Approve PAR for the revision of a standard until December 2026 (13 approve, 0 disapprove, 1 abstain)

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

**P977**

Guide to Installation of Foundations for Transmission Line Structures

**Recommendation:** Approve PAR for the revision of a standard until December 2026

**P1724**

Guide for the Preparation of a Transmission Line Design Criteria Document

**Recommendation:** Approve PAR for the revision of a standard until December 2026

**IEEE-SASB Coordinating Committees/SCC21 - Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage**

**P1561**

Guide for Optimizing the Utilization of Resources in Hybrid Power Systems

**Recommendation:** Approve PAR for the revision of a standard until December 2026

## Standards Committee Changes

Current Standards Committee for the following standards: COM/AccessCore-SC; New Standards Committee: COM/AerCom-SC:

**1937.1** 'Standard Interface Requirements and Performance Characteristics for Payload Devices in Drones'

**1936.1** 'Standard for Drone Applications Framework'

**1939.1** 'Standard for a Framework for Structuring Low Altitude Airspace for Unmanned Aerial Vehicle (UAV) Operations'

Current Standards Committee for the following PARs: COM/AccessCore-SC; New Standards Committee: COM/AerCom-SC:

**P1936.2** 'Photogrammetric Technical Standard of Civil Light and Small Unmanned Aircraft Systems for Overhead Transmission Line Engineering'

**P1937.3** 'Protocol for the Flight Data Transmission of Civil Unmanned Aerial Vehicle Based on BeiDou Short Message'

**P1937.6** 'Standard for Unmanned Aerial Vehicle (UAV) Light Detection and Ranging (LiDAR) Remote Sensing Operation'

**P1937.7** 'Standard for the Unmanned Aerial Vehicle (UAV) Polarimetric Remote Sensing Method for Earth Observation Applications'

**P1937.8** 'Standard for Functional and Interface Requirements for Unmanned Aerial Vehicle (UAV) Cellular Communication Terminals'

**P1937.9** 'Requirements for External Power and Power Management Interfaces for Unmanned Aerial Vehicle'

Current Standards Committee for the following standards: SASB/SCC21; New Standards Committee: PE/ESSB

**937** 'Recommended Practice for Installation and Maintenance of Lead-Acid Batteries for Photovoltaic (PV) Systems'

**1013** 'Recommended Practice for Sizing Lead-Acid Batteries for Stand-Alone Photovoltaic (PV) Systems'

**1144** 'Recommended Practice for Sizing Nickel-Cadmium Batteries for Photovoltaic (PV) Systems'

**1145** 'Recommended Practice for the Installation and Maintenance of Nickel-Cadmium Batteries for Photovoltaic (PV) Systems'

**1361** 'Guide for Selection, Charging, Test and Evaluation of Lead-Acid Batteries Used in Stand-Alone Photovoltaic (PV) Systems'

**1526** 'Recommended Practice for Testing the Performance of Stand-Alone Photovoltaic Systems'

**1561** 'Guide for Optimizing the Performance and Life of Lead-Acid Batteries in Remote Hybrid Power Systems'

**1562** 'Recommended Practice for Sizing of Stand-Alone Photovoltaic (PV) Systems'

**1661** 'Guide for Test and Evaluation of Lead-Acid Batteries Used in Photovoltaic (PV) Hybrid Power Systems'

Current Standards Committee for the following standards: VT/RTSC; New Standards Committee: VT/CBTC&SIG

**1483** 'Standard for Verification of Vital Functions in Processor-Based Systems Used in Rail Transit Control'

**1570** 'Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection'

**1475** 'Standard for the Functioning of and Interfaces Among Propulsion, Friction Brake, and Train-borne Master Control on Rail Rapid Transit Vehicles'

**1698** 'Guide for the Calculation of Braking Distances for Rail Transit Vehicles'

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

**1627** 'Standard for Transient Overvoltage Protection of DC Electrification Systems by Application of DC Surge Arresters'

**1629** 'Standard for Performance of DC Overhead Current Collectors for Rail Transit Vehicles'

**1630** 'Standard for Supporting Structures for Overhead Contact Systems for Transit Systems'

**1791** 'Recommended Practice for Terminology Used for Direct Current Electric Transit Overhead Contact Systems'

**1896** 'Standard for Identification of Contact Wire Used in Overhead Contact Systems'

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

**P1628** 'Recommended Practice for Maintenance of Direct Current (DC) Overhead Contact Systems for Transit Systems'

**P1833** 'Guidelines for the Design of Direct Current Overhead Contact Systems for Transit Systems'

**P2406** 'Standard for Design and Construction of Non-Load Break Disconnect Switches for Direct Current Applications on Transit Systems'