

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

[SASB approval date: 6-Dec-2017]

[All votes unanimous unless noted otherwise.]

### Withdrawal Requests

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

#### **P20000-1**

Information Technology -- Service Management -- Part 1: Service Management System Requirements

**Recommendation: Approve PAR withdrawal**

*IEEE Communications Society/Standards Development Board*

#### **P1908.1**

Virtual Keyboard Standard for Indic Languages

**Recommendation: Approve PAR withdrawal**

*IEEE Industry Applications Society/Technical Books Coordinating Committee*

#### **P3004.9**

Recommended Practice for the Protection of Power Transformers Used in Industrial and Commercial Power Systems

**Recommendation: Approve PAR withdrawal**

#### **P3004.10**

Recommended Practice for Generator Protection in Industrial and Commercial Power Systems

**Recommendation: Approve PAR withdrawal**

#### **P3004.13**

Recommended Practice for Overcurrent Coordination in Industrial and Commercial Power Systems

**Recommendation: Approve PAR withdrawal**

*IEEE Instrumentation and Measurement Society/TC25 - Medical and Biological Measurements*

#### **P1721**

Standard for Objective Measurement of Systemic Arterial Blood Pressure in Humans

**Recommendation: Approve PAR withdrawal**

### Modified PARs

*IEEE Computer Society/LAN/MAN Standards Committee*

#### **P802.11ax**

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 High Efficiency WLAN

**Recommendation: Approve modified PAR**

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

**P82079-1**

Preparation of Information for Use (Instructions for Use) of Products - Part 1: Principles and General Requirements

**Recommendation: Approve modified PAR**

*IEEE Computer Society/Standards Activities Board*

**P1680.4**

Standard for Environmental Leadership and Corporate Social Responsibility Assessment of Servers

**Recommendation: Approve modified PAR**

*IEEE Electromagnetic Compatibility Society/Standards Development Committee*

**P1128**

Recommended Practice for Radio-Frequency (RF) Absorber Evaluation in the Range of 30 MHz to 40 GHz

**Recommendation: Approve modified PAR**

**P1848**

Techniques & Measures to Manage Functional Safety and Other Risks With Regard to Electromagnetic Disturbances

**Recommendation: Approve modified PAR**

*IEEE Industry Applications Society/Petroleum & Chemical Industry*

**P844.3**

Standard for Impedance Heating of Pipelines and Equipment - General, Testing, Marking, and Documentation Requirements

**Recommendation: Approve modified PAR**

**P844.4**

Standard for Impedance Heating of Pipelines and Equipment - Application Guide for Design, Installation, Testing, Commissioning and Maintenance

**Recommendation: Approve modified PAR**

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

**P1679.1**

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

**Recommendation: Approve modified PAR**

**P1679.2**

Guide for the Characterization and Evaluation of Sodium-Beta Batteries in Stationary Applications

**Recommendation: Approve modified PAR**

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

**PC62.43.1**

Guide for Surge Protectors and Surge Protective Circuits Used in Information and Communication Technology Circuits

(ICT), Including Smart Grid - Part 1 Applications

**Recommendation: Approve modified PAR**

*IEEE Vehicular Technology Society/Rail Transportation Standards Committee*

**P1627**

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

**Recommendation: Approve modified PAR**

**Extension Requests**

*IEEE Computer Society/LAN/MAN Standards Committee*

**P802.15.8**

Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Peer Aware Communications (PAC)

**Recommendation: Approve request for an extension until December 2018**

*IEEE Computer Society/Standards Activities Board*

**P1680.4**

Standard for Environmental Assessment of Servers

**Recommendation: Approve request for an extension until December 2019**

**P1857.4**

Standard for 2nd Generation IEEE 1857 Video Coding

**Recommendation: Approve request for an extension until December 2019**

**P1857.6**

Standard for Digital Media Content Description

**Recommendation: Approve request for an extension until December 2019**

*IEEE Computer Society/Test Technology*

**P1450.4**

Standard for Extensions to Standard Test Interface Language (STIL) (IEEE Std. 1450-1999) for Test Flow Specification

**Recommendation: Approve request for an extension until December 2018**

**P1804**

Standard for Fault Accounting and Coverage Reporting to Digital Modules (FACR)

**Recommendation: Approve request for an extension until December 2018**

*IEEE Industry Applications Society/Petroleum & Chemical Industry*

**P844.3**

Standard for Impedance Heating of Pipelines, Vessels, Equipment, and Structures - General, Testing, Marking, and Documentation Requirements

**Recommendation: Approve request for an extension until December 2019**

**P844.4**

Standard for Impedance Heating of Pipelines, Vessels, Equipment, and Structures - Application Guide for Design, Installation, Testing, Commissioning and Maintenance

***Recommendation: Approve request for an extension until December 2019***

**P844.5**

Recommended Practice for the Design, Installation, Testing, Commissioning and Maintenance of Induction Heating Systems for Pipelines, Vessels, Equipment, Structures and Induction Susceptor Heating Furnaces

***Recommendation: Approve request for an extension until December 2019***

**P1584**

Guide for Performing Arc-Flash Hazard Calculations

***Recommendation: Approve request for an extension until December 2019***

**P1814**

Recommended Practice for Electrical System Design Techniques to Improve Electrical Safety

***Recommendation: Approve request for an extension until December 2019***

**P61886-1**

Subsea Equipment - Power Connectors, Penetrators and Jumper Assemblies with Rated Voltage from 3 kV ( $U_{max} = 3.6$  kV) to 30 kV ( $U_{max} = 36$  kV)

***Recommendation: Approve request for an extension until December 2019***

*IEEE Industry Applications Society/Technical Books Coordinating Committee*

**P3002.2**

Recommended Practice for Conducting Load-Flow Studies of Industrial and Commercial Power Systems

***Recommendation: Approve request for an extension until December 2018***

**P3002.3**

Recommended Practice for Conducting Short-Circuit Studies of Industrial and Commercial Power Systems

***Recommendation: Approve request for an extension until December 2018***

**P3002.7**

Recommended Practice for Conducting Motor-Starting Studies in Industrial and Commercial Power Systems

***Recommendation: Approve request for an extension until December 2018***

**P3002.8**

Recommended Practice for Conducting Harmonic-Analysis Studies of Industrial and Commercial Power Systems

***Recommendation: Approve request for an extension until December 2018***

**P3003.1**

Recommended Practice for the System Grounding of Industrial and Commercial Power Systems

***Recommendation: Approve request for an extension until December 2019***

**P3004.3**

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

***Recommendation: Approve request for an extension until December 2018***

**P3004.4**

Recommended Practice for the Application of Medium- and High-Voltage Fuses in Industrial and Commercial Power Systems

*Recommendation: Approve request for an extension until December 2018*

**P3004.7**

Recommended Practice for the Protection of Power Cables and Busway Used in Industrial and Commercial Power Systems

*Recommendation: Approve request for an extension until December 2018*

**P3004.11**

Recommended Practice for Bus and Switchgear Protection in Industrial and Commercial Power Systems

*Recommendation: Approve request for an extension until December 2018*

**P3006.3**

Recommended Practice for Determining the Impact of Preventative Maintenance on the Reliability of Industrial and Commercial Power Systems

*Recommendation: Approve request for an extension until December 2018*

*IEEE Instrumentation and Measurement Society/TC4 - High Frequency Measurement*

**P378**

Recommended Practices for Scattering Parameter Measurements Using Vector Network Analyzers

*Recommendation: Disapprove request for an extension*

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

**P484**

Recommended Practice for Installation Design and Installation of Vented Lead-Acid Batteries for Stationary Applications

*Recommendation: Approve request for an extension until December 2018*

**P946**

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

*Recommendation: Approve request for an extension until December 2018*

**P1679.2**

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

*Recommendation: Approve request for an extension until December 2018*

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

**P1711**

Standard for a Cryptographic Protocol for EPS Serial Links

*Recommendation: Approve request for an extension until December 2018*

**P1711.2**

Standard for Secure SCADA Communications Protocol (SSCP)

*Recommendation: Approve request for an extension until December 2018*

**P2030.102.1**

Standard for Interoperability of Internet Protocol Security (IPsec) Utilized within Utility Control Systems

**Recommendation: Approve request for an extension until December 2019**

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

**P1889**

Guide for Evaluating and Testing the Electrical Performance of Energy Saving Devices

**Recommendation: Approve request for an extension until December 2019**

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

**PC37.237**

Standard Requirements for Time Tags Created by Intelligent Electronic Devices - COMTAG(TM)

**Recommendation: Approve request for an extension until December 2018**

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

**PC62.22**

Guide for the Application of Metal-Oxide Surge Arresters for Alternating-Current Systems

**Recommendation: Approve request for an extension until December 2018**

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

**PC62.41.3**

Guide for Interactions Between Power System Disturbances and Surge Protective Devices

**Recommendation: Approve request for an extension until December 2019**

**PC62.42.2**

Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports - Part 2  
Metal-Oxide Varistors (MOVs)

**Recommendation: Approve request for an extension until December 2020**

**PC62.42.4**

Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports - Part 4  
Thermally Activated Current Limiters

**Recommendation: Approve request for an extension until December 2019**

*IEEE Power and Energy Society/Substations*

**P1427**

Guide for Recommended Electrical Clearances and Insulation Levels in Air Insulated Electrical Power Substations

**Recommendation: Approve request for an extension until December 2019**

**P1615**

Recommended Practice for Network Communication in Electric Power Substations

**Recommendation: Approve request for an extension until December 2018**

**P2030.101**

Guide for Designing a Time Synchronization System for Power Substations  
**Recommendation: Approve request for an extension until December 2018**

*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 request for an extension until December 2018**

**PC37.06.1**

Recommended Practice for Preferred Ratings for High-Voltage (>1000 Volts) AC Circuit Breakers Designated Definite Purpose for Fast Transient Recovery Voltage Rise Times  
**Recommendation: Approve request for an extension until December 2018**

**PC37.60**

High-Voltage Switchgear and Controlgear - Part 111: Automatic Circuit Reclosers for Alternating Current Systems Up To and Including 38 kV  
**Recommendation: Approve request for an extension until December 2018**

**PC37.62**

Standard for Pad Mounted, Dry Vault, Submersible Fault, and Overhead Fault Interrupters for Alternating Current Systems up to 38 kV  
**Recommendation: Approve request for an extension until December 2019**

**PC37.100.1**

Standard of Common Requirements for High Voltage Power Switchgear Rated Above 1000 V  
**Recommendation: Approve request for an extension until December 2018**

**PC37.100.2**

Standard for Common Requirements for Testing of AC Capacitance Current Switching Devices Over 1000 V  
**Recommendation: Approve request for an extension until December 2018**

*IEEE Power and Energy Society/Transmission and Distribution*

**P751**

Guide for Wood Structures Used for Overhead Electric Transmission Lines  
**Recommendation: Approve request for an extension until December 2018**

**P1243**

Guide for Improving the Lightning Performance of Transmission Lines  
**Recommendation: Approve request for an extension until December 2019**

**P1307**

Standard for Fall Protection for Utility Work  
**Recommendation: Approve request for an extension until December 2018**

**P1854**

Guide for Smart Distribution Applications  
**Recommendation: Approve request for an extension until December 2018**

**P1882**

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

***Recommendation: Approve request for an extension until December 2018***

**P1885**

Guide for Assessing, Measuring and Verifying Volt-Var Control Optimization on Distribution Systems

***Recommendation: Approve request for an extension until December 2019***

*IEEE Power and Energy Society/Transformers*

**PC57.13.7**

Standard for Current Transformers with a Maximum mA Secondary Current of 250 mA

***Recommendation: Approve request for an extension until December 2018***

**PC57.104**

Guide for the Interpretation of Gases Generated in Oil-Immersed Transformers

***Recommendation: Approve request for an extension until December 2019***

**PC57.162**

Guide for the Interpretation of Moisture Related Parameters in Dry, Gas Insulated and Liquid Immersed Transformers and Reactors

***Recommendation: Approve request for an extension until December 2020***

*IEEE Power Electronics Society/Standards Committee*

**P1573**

Recommended Practice for Electronic Power Subsystems: Parameters, Interfaces, Elements, and Performance

***Recommendation: Approve request for an extension until December 2019***

*IEEE-SASB Coordinating Committees/SCC20 - Test and Diagnosis for Electronic Systems*

**P1636.2**

Standard for Software Interface for Maintenance Information Collection and Analysis (SIMICA): Exchanging Maintenance Action Information via the Extensible Markup Language (XML)

***Recommendation: Approve request for an extension until December 2018***

**P1641.1a**

Guide for the Use of IEEE Std 1641, IEEE Standard for Signal and Test Definition

Amendment to add Guidelines for producing reusable Test Signal Frameworks (TSFs) for use on platforms utilizing Automatic Test Markup Language (ATML)

***Recommendation: Approve request for an extension until December 2018***

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

**P2030.2.1**

Guide for Design, Operation, and Maintenance of Battery Energy Storage Systems, both Stationary and Mobile, and Applications Integrated with Electric Power Systems

***Recommendation: Approve request for an extension until December 2018***



## New PARs

*IEEE Computer Society/LAN/MAN Standards Committee*

### **P802.15.10a**

Recommended Practice for Routing Packets in IEEE 802.15.4 Dynamically Changing Wireless Networks  
Amendment to fully define use of addressing and route information currently in the standard

***Recommendation: Approve new PAR until December 2021***

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

### **P21840**

Systems Engineering -- Guide for the Utilization of ISO/IEC/IEEE 15288 in the Context of System of Systems Engineering

***Recommendation: Approve new PAR until December 2021***

### **P21841**

Systems and Software Engineering -- Taxonomies of Systems of Systems (SoS)

***Recommendation: Approve new PAR until December 2021***

*IEEE Computer Society/Standards Activities Board*

### **P2671**

Standard for General Requirements of Online Detection Based on Machine Vision in Intelligent Manufacturing

***Recommendation: Approve new PAR until December 2021***

### **P2672**

Guide for General Requirements of Mass Customization

***Recommendation: Approve new PAR until December 2021***

*IEEE Consumer Electronics Society/Standards Committee*

### **P2050**

Standard for Real-time Operating System (OS) for Small-scale Embedded Systems

***Recommendation: Approve new PAR until December 2021***

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

### **P1935**

Standard for Edge/Fog Manageability and Orchestration

***Recommendation: Approve new PAR until December 2021***

### **P2557**

Standard for Ambient Genetics Frameworks

***Recommendation: Approve new PAR until December 2021***

### **P2558**

Standard for Ambient Objects

***Recommendation: Approve new PAR until December 2021***

*IEEE Communications Society/Power Line Communications*

**P1901.3**

Standard for Power Line Communications for Internet of Things Applications

**Recommendation: Approve new PAR until December 2021**

*IEEE Electromagnetic Compatibility Society/Standards Development Committee*

**P2665**

Recommended Practice for Statistical Process Control for EMC Test Laboratories

**Recommendation: Approve new PAR until December 2021**

*IEEE Industry Applications Society/Petroleum & Chemical Industry*

**P2455**

Recommended Practice for the Repair and Maintenance of Direct Current Electric Machines

**Recommendation: Approve new PAR until December 2021**

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

**P2770**

60099-11 Surge Arresters - Part 11: Metal-Oxide Line Surge Arresters to Protect Power Line Insulation

**Recommendation: Approve new PAR until December 2021**

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

**PC62.35-2010/Cor 1**

Standard Test Methods for Avalanche Junction Semiconductor Surge-Protective Device Components - Corrigendum 1

**Recommendation: Approve new PAR until December 2021**

**PC62.55-2017/Cor 1**

Guide for Surge Protection of DC Power Feeds to Remote Radio Heads - Corrigendum 1

**Recommendation: Approve new PAR until December 2021**

*IEEE Power and Energy Society/Transmission and Distribution*

**P2445**

Standard Practice for Inspection and Assessment of Below Grade and Groundline Corrosion on Weathering Steel on Electrical Transmission and Distribution Structures

**Recommendation: Approve new PAR until December 2021**

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

**P7011**

Standard for the Process of Identifying and Rating the Trustworthiness of News Sources

**Recommendation: Approve new PAR until December 2021**

**P7012**

Standard for Machine Readable Personal Privacy Terms

**Recommendation: Approve new PAR until December 2021**

## PARs for the Revision of Standards

*IEEE Computer Society/Design Automation*

### **P1647**

Standard for the Functional Verification Language e

**Recommendation: Approve PAR for the revision of a standard until December 2021**

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

### **P15026-4**

Systems and Software Engineering -- Systems and Software Assurance -- Part 4: Assurance in the Life Cycle

**Recommendation: Approve PAR for the revision of a standard until December 2021**

### **P15289**

ISO/IEC/IEEE International Standard -- Systems and Software Engineering -- Content of Life-Cycle Information Items (Documentation)

**Recommendation: Approve PAR for the revision of a standard until December 2021**

### **P90003**

Software Engineering -- Guidelines for the application of ISO 9001:2015 to computer software

**Recommendation: Approve PAR for the revision of a standard until December 2021**

*IEEE Industry Applications Society/Petroleum & Chemical Industry*

### **P463**

Standard for Electrical Safety Practices in Electrolytic Cell Line Working Zones

**Recommendation: Approve PAR for the revision of a standard until December 2021**

*IEEE Industry Applications Society/Technical Books Coordinating Committee*

### **P3007.1**

Recommended Practice for the Operation and Management of Industrial and Commercial Power Systems

**Recommendation: Approve PAR for the revision of a standard until December 2021**

### **P3007.3**

Recommended Practice for Electrical Safety in Industrial and Commercial Power Systems

**Recommendation: Approve PAR for the revision of a standard until December 2021**

*IEEE Instrumentation and Measurement Society/TC4 - High Frequency Measurement*

### **P287**

Standard for Precision Coaxial Connectors (DC-110 GHz)

**Recommendation: Approve PAR for the revision of a standard until December 2021**

*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 PAR for the revision of a standard until December 2021**

**P1451.5**

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

**Recommendation: Approve PAR for the revision of a standard until December 2021**

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

**P1679**

Recommended Practice for the Characterization and Evaluation of Emerging Energy Storage Technologies in Stationary Applications

**Recommendation: Approve PAR for the revision of a standard until December 2021**

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

**P1137**

Recommended Practice for the Implementation of Inductive Coordination Mitigation Techniques and Application

**Recommendation: Approve PAR for the revision of a standard until December 2021**

**P1686**

Standard for Intelligent Electronic Devices Cyber Security Capabilities

**Recommendation: Approve PAR for the revision of a standard until December 2021**

**PC37.240**

Standard Cybersecurity Requirements for Power System Automation, Protection and Control Systems

**Recommendation: Approve PAR for the revision of a standard until December 2021**

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

**PC37.90.2**

Standard for Withstand Capability of Relay Systems to Radiated Electromagnetic Interference from Transceivers

**Recommendation: Approve PAR for the revision of a standard until December 2021**

*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 2021**

*IEEE Power and Energy Society/Transformers*

**PC57.12.90**

Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers

**Recommendation: Approve PAR for the revision of a standard until December 2021**

**PC57.13.2**

Standard for Conformance Test Procedure for Instrument Transformers

**Recommendation: Approve PAR for the revision of a standard until December 2021**

**PC57.113**

Recommended Practice for Partial Discharge Measurement in Liquid-Filled Power Transformers and Shunt Reactors  
**Recommendation: Approve PAR for the revision of a standard until December 2021**

*IEEE Vehicular Technology Society/Rail Transportation Standards Committee*

**P1653.2**

Standard for Uncontrolled Traction Power Rectifiers for Substation Applications Up to 1500 V DC Nominal Output  
**Recommendation: Approve PAR for the revision of a standard until December 2021**

**P1653.6**

Recommended Practice for Grounding of DC Equipment Enclosures in Traction Power Distribution Facilities  
**Recommendation: Approve PAR for the revision of a standard until December 2021**

PARS FOR ADMINISTRATIVE WITHDRAWAL – DECEMBER 2017

**P378 (IM/HFM)**

Recommended Practices for Scattering Parameter Measurements Using Vector Network Analyzers

**(New PAR)**

**P742 (PE/NPE)**

Standard for Bus Voltage Monitoring of the Class 1E Power Systems in Nuclear Power Generating Stations (NPGS)

**(New PAR)**

**PC37.1.1 (PE/SUB)**

Standard for Input and Output Requirements and Testing Methodology for Intelligent Electronic Devices (IEDs)

**(Revision PAR)**