IEEE SA Standards Board New Standards Committee (NesCom) Recommendations
[SASB approval date: 08-Dec-2021]
[All votes unanimous unless noted otherwise.]

Withdrawal Requests
IEEE Industry Applications Society/Industrial & Commercial Power Systems Standards Development Committee
P3007.1
Recommended Practice for the Operation and Management of Industrial and Commercial Power Systems
Recommendation: Approve PAR withdrawal

P3007.3
Recommended Practice for Electrical Safety in Industrial and Commercial Power Systems
Recommendation: Approve PAR withdrawal

IEEE Instrumentation and Measurement Society/TC4 - High Frequency Measurement
P287
Standard for Precision Coaxial Connectors (DC-110 GHZ)
Recommendation: Approve PAR withdrawal

Modified PARs
IEEE Computer Society/Functional Safety Standards Committee
P2851
Standard for Functional Safety Data Format for Interoperability within the Dependability Lifecycle
Recommendation: Approve modified PAR until December 31, 2023

IEEE Computer Society/Software & Systems Engineering Standards Committee
P29119-1
Recommendation: Approve modified PAR until December 31, 2023

IEEE Engineering in Medicine and Biology Society/IEEE 11073 Standards Committee
P11073-10725
Health Informatics -- Device Interoperability -- Part 10725: Point-of-Care Medical Device Communication -- Device Specialization - Suction and Irrigation Pump
Recommendation: Approve modified PAR until December 31, 2023

IEEE Power and Energy Society/Insulated Conductors
P1202
Standard for Testing Flame-Propagation and Smoke Generation of Cables
Recommendation: Approve modified PAR until December 31, 2022

P2417
Guide for Early Detection, Mitigation, Preventative Measures, and Response to Smoke, Fire, and Explosions in Underground Electrical Structures
Recommendation: Approve modified PAR until December 31, 2022

IEEE Power and Energy Society/Power System Relaying and Control
PC37.249
Guide for Categorizing Security Needs for Protection, Automation, and Control Related Data Files
Recommendation: Approve modified PAR until December 31, 2021

Extension Requests
IEEE Aerospace and Electronic Systems Society/Gyro Accelerometer Panel
P1780
Standard for the Specification of Inertial Measurement Units (IMU)
Recommendation: Approve request for an extension until December 2022

IEEE Communications Society/Mobile Communication Networks Standards Committee
P1932.1
Standard for Licensed/Unlicensed Spectrum Interoperability in Wireless Mobile Networks
Recommendation: Approve request for an extension until December 2023

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

P2784
Guide for the Technology and Process Framework for Planning a Smart City
Recommendation: Approve request for an extension until December 2024

IEEE Computer Society/Cloud Computing Standards Committee

P2302
Standard for Intercloud Interoperability and Federation (SIIF)
Recommendation: Approve request for an extension until December 2022

IEEE Computer Society/LAN/MAN Standards Committee

P802.1ABcu
Standard for Local and Metropolitan Area Networks - Station and Media Access Control Connectivity Discovery Amendment: YANG Data Model
Recommendation: Approve request for an extension until December 2022

P802.1ACct
Standard for Local and Metropolitan Area Networks -- Media Access Control (MAC) Service Definition Amendment Support for IEEE Std 802.15.3
Recommendation: Approve request for an extension until December 2022

IEEE Computer Society/Standards Activities Board

P3333.1.3
Standard for the Deep Learning-Based Assessment of Visual Experience Based on Human Factors
Recommendation: Approve request for an extension until December 2022

P7130
Standard for Quantum Technologies Definitions
Recommendation: Approve request for an extension until December 2023

IEEE Consumer Technology Society/Standards Committee

P3141
Trial-Use Standard for 3D Body Processing
Recommendation: Approve request for an extension until December 2024

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P2717
Passive Intermodulation Test Methods for Wireless Systems in Low Noise Environments
Recommendation: Approve request for an extension until December 2023

IEEE Engineering in Medicine and Biology Society/IEEE 11073 Standards Committee

P11073-10101b
Health informatics -- Device Interoperability -- Part 10101: Foundational -- Nomenclature -- Amendment 2: Additional definitions
Recommendation: Approve request for an extension until December 2022

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2650
Standard For Enabling Mobile Device Platforms To Be Used As Pre-Screening Audiometric Systems
Recommendation: Approve request for an extension until December 2024

P3333.2.5
Standard for Bio-CAD File Format for Medical Three-Dimensional (3D) Printing
Recommendation: Disapprove request for an extension (4 approve, 3 disapprove [Mohla, Ulema, Weber], 5 abstain [Hiertz, Hong, Wang, Wei, Zhong])

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

P21451-002
Recommended Practice for Low-Power Smart Transducers Applications
Recommendation: Approve request for an extension until December 2024

IEEE Instrumentation and Measurement Society/TC39 - Measurements in Power Systems

P61869-105
Recommended Practice for Uncertainty Evaluation in the Calibration of Instrument Transformers
Recommendation: Approve request for an extension until December 2022

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 December 2024

P97
Diagnostic Test Methods for testing the Insulation of AC Electric Machinery Using Direct Voltage
Recommendation: Approve request for an extension until December 2024
Recommended Practice for Insulation Testing of AC Electric Machinery with High Voltage Rating up to 30 kV at Very Low Frequency

**Recommendation:** Approve request for an extension until December 2022

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

**Recommendation:** Approve request for an extension until December 2022

Recommended Practice for Thermal Evaluation of Unsealed or Sealed Insulation Systems for AC Electric Machinery Employing Form-Wound Pre-Insulated Stator Coils for Machines Rated 15 000 V and Below

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

Technical Guide for Smart Hydroelectric Power Plant

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

Recommended Practice for Thermal Evaluation of Unsealed or Sealed Insulation Systems for AC Electric Machinery Employing Form-Wound Pre-Insulated Stator Coils for Machines Rated 15 000 V and Below

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

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

P1184

Guide for Batteries for Uninterruptible Power Supply Systems

**Recommendation:** Approve request for an extension until December 2022

P2685

Recommended Practice for Energy Storage for Stationary Engine-Starting Systems

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

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

P400.3

Guide for Partial Discharge Field Diagnostic Testing of Shielded Power Cable Systems

**Recommendation:** Approve request for an extension until December 2022

P634

Standard for Cable-Penetration Fire Stop Qualification Test

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

P1614

Field-Testing of Shielded Power Cable Systems Rated 5 kV and Above with Continuous Alternating Voltage

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

P1617

Guide for Assessment, Mitigation, and Control of Corrosion of Metallic Shields in Extruded Dielectric Cables rated 5 kV to 46 kV

**Recommendation:** Approve request for an extension until December 2022

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

P1595

Standard for Testing and Performance for Optical Phase Conductor (OPPC) for Use on Electrical Utility Power Lines

**Recommendation:** Approve request for an extension until December 2022

P1711.1


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

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

C37.235

Guide for the Application of Rogowski Coils Used for Protective Relaying Purposes

**Recommendation:** Approve request for an extension until December 2022

P1646

Standard Communication Delivery Time Performance Requirements for Electric Power Substation Automation

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

PC37.90.2


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

PC37.110

Guide for the Application of Current Transformers Used for Protective Relaying Purposes

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

PC37.249
Guide for Categorizing Security Needs for Protection and Automation Related Data Files

**Recommendation:** Approve request for an extension until December 2022

**IEEE Power and Energy Society/Substations**

**P80**

Guide for Safety in AC Substation Grounding

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

**P980**

Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Grounding System

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

**P1127**

Guide for Containment and Control of Oil Spills in Substations

**Recommendation:** Approve request for an extension until December 2022

**IEEE Power and Energy Society/Substations**

**P63253-5713-8**

Guide for the Application of Insulation Coordination

**Recommendation:** Approve request for an extension until December 2022

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

**PC62.82.2**

Guide for the Application of Insulation Coordination

**Recommendation:** Approve request for an extension until December 2022

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

**PC62.230**

Guide for the Application of Insulation Coordination

**Recommendation:** Approve request for an extension until December 2022

**PC57.12.80**

Standard Terminology for Power and Distribution Transformers

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

**PC57.13.2**

Standard for Conformance Test Procedure for Instrument Transformers

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

**PC57.150**

Guide for the Transportation of Transformers and Reactors Rated 10,000 kVA or Higher

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

**PC57.165**

Recommended Practice for the Detection of Partial Discharge and the Measurement of Apparent Charge in Dry-Type Transformers

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

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

**P1368**

Guide for Aeolian Vibration Field Measurements of Overhead Conductors

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

**P1453**

Standard for Measurement and Limits of Voltage Fluctuations and Associated Light Flicker on AC Power Systems

**Recommendation:** Approve request for an extension until December 2022

**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 December 2023

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

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

**P1704**
Standard for Utility Industry End Device Communications Module

**Recommendation:** Approve request for an extension until December 2022

**IEEE-SASB Coordinating Committees/SCC39 - International Committee on Electromagnetic Safety**

**P63195-1**
Measurement procedure for the assessment of power density of human exposure to radio frequency fields from wireless devices operating in close proximity to the head and body - Frequency range of 6 GHz to 300 GHz

**Recommendation:** Approve request for an extension until December 2022

**P63195-2**
The assessment of power density of human exposure to radio frequency fields from wireless devices in close proximity to the head and body, part 2: Computational procedure (frequency range of 6 GHz to 300 GHz)

**Recommendation:** Approve request for an extension until December 2022

**New PARs**

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

**P3117**
Standard for Interworking Framework for Privacy-Preserving Computation

**Recommendation:** Approve new PAR until December 2025

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

**P802.3df**
Standard for Ethernet Amendment: Media Access Control Parameters, Physical Layers and Management Parameters for 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Operation

**Recommendation:** Approve new PAR until December 2025

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

**P3131**
Recommended Practice for Data Engineering with Heterogeneous Ecosystems and Data Sources for Efficient Data Processing, Management, and Consumption

**Recommendation:** Approve new PAR until December 2025

**IEEE Computer Society/Standards Activities Board**

**P2888.5**
Standard for Virtual Training System Evaluation Methods

**Recommendation:** Approve new PAR until December 2025

**P2888.6**
Standard for Holographic Visualization for Interfacing Cyber and Physical Worlds

**Recommendation:** Approve new PAR until December 2025

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

**P3135**
Standard for Specifying Requirements for Neurofeedback Systems Design

**Recommendation:** Approve new PAR until December 2025

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

**P3137**
Standard for Automotive Electronics Product Inspection Equipment

**Recommendation:** Approve new PAR until December 2025

**P3138**
Standard for General Requirements of Chip Visual Inspection in Surface Mount Industry

**Recommendation:** Approve new PAR until December 2025

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

**P3136**
Standard for a Universal Waveguide Interface for Frequencies of 60 GHz and Above

**Recommendation:** Approve new PAR until December 2025

**IEEE Photonics Society/Standards Committee**

**P3112**
Standard for Electronic Photonic Design Automation – Open Data Formats – Terminology and Definitions
Recommendation: Approve new PAR until December 2025

IEEE Power and Energy Society/Substations
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 new PAR until December 2025

IEEE Power and Energy Society/Switchgear
PC37.04a
Standard for Ratings and Requirements for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V
Amendment: Changes to construction requirements and clarification of certain related required capabilities
Recommendation: Approve new PAR until December 2025

PC37.09a
Standard Test Procedures for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V
Amendment: Modifications to test procedures
Recommendation: Approve new PAR until December 2025

IEEE Power and Energy Society/Transmission and Distribution
P3139
Guide for Power Quality Data Analytics
Recommendation: Approve new PAR until December 2025

IEEE Society on Social Implications of Technology/Social Implications of Technology Standards Committee
P7030
Recommended Practice for Ethical Assessment of Extended Reality (XR) Technologies
Recommendation: Approve new PAR until December 2025

PARs for the Revision of Standards
IEEE Computer Society/Design Automation
P1076
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Computer Society/LAN/MAN Standards Committee
P802.15.3
Standard for Wireless Multi-Media Networks
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Power System Communications and Cybersecurity
P367
Recommended Practice for Determining the Electric Power Station Ground Potential Rise and Induced Voltage from a Power Fault
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Power System Relaying and Control
PC37.96
Guide for AC Motor Protection
Recommendation: Approve PAR for the revision of a standard until December 2025

PC37.232
Standard for Common Format for Naming Time Sequence Data Files (COMNAME)
Recommendation: Approve PAR for the revision of a standard until December 2025

PC37.243
Guide for Application of Line Current Differential Protection Using Digital Communications
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Switchgear
P62271-37-082
High-voltage Switchgear and Controlgear - Part 37-082: Standard Practice for the Measurement of Sound Pressure Levels on Alternating Current Circuit-breakers
Recommendation: Approve PAR for the revision of a standard until December 2025 (11 approve, 0 disapprove, 1 abstain [Edwards])

PC37.20.10
Standard Definitions for AC (52 kV and below) and DC (3.2 kV and below) Switchgear Assemblies
Recommendation: Approve PAR for the revision of a standard until December 2025 (11 approve, 0 disapprove, 1 abstain [Edwards])

PC37.010
Application Guide for AC High-Voltage Circuit Breakers > 1000 Vac Rated on a Symmetrical Current Basis

**Recommendation:** Approve PAR for the revision of a standard until December 2025 (11 approve, 0 disapprove, 1 abstain [Edwards])

**PC37.016**

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

**Recommendation:** Approve PAR for the revision of a standard until December 2025 (11 approve, 0 disapprove, 1 abstain [Edwards])
P2048.6 (CTSoc/VRARSC)
Standard for Virtual Reality and Augmented Reality: Immersive User Interface
(New PAR)

P2048.7 (CTSoc/VRARSC)
Standard for Virtual Reality and Augmented Reality: Map for Virtual Objects in the Real World
(New PAR)

P2048.8 (CTSoc/VRARSC)
Standard for Virtual Reality and Augmented Reality: Interoperability between Virtual Objects and the Real World
(New PAR)

P2048.9 (CTSoc/VRARSC)
Standard for Virtual Reality and Augmented Reality: Immersive Audio Taxonomy and Quality Metrics
(New PAR)

P2048.10 (CTSoc/VRARSC)
Standard for Virtual Reality and Augmented Reality: Immersive Audio File and Stream Formats
(New PAR)

P2048.11 (CTSoc/VRARSC)
Standard for Virtual Reality and Augmented Reality: In-Vehicle Augmented Reality
(New PAR)

P3333.2.5 (EMB/Std Com)
Standard for Bio-CAD File Format for Medical Three-Dimensional (3D) Printing
(New PAR)

P1814 (IAS/PCI)
Recommended Practice for Electrical System Design Techniques to Improve Electrical Safety
(New PAR)

P1375 (PE/ESSB)
Guide for the Protection of Stationary Battery Systems
(Revision PAR)
P2776 (PE/IC)
Guide for Specifying and Selecting Cables for Nuclear Facilities
(New PAR)

P837-2014/Cor 1 (PE/SUB)
Standard for Qualifying Permanent Connections Used in Substation Grounding - Corrigendum 1:
Correct EMF Current Value for 5/8 Ground Rod
(New PAR)

P947 (SASB/SCC14)
Guide for Identification of Alternative Metric Devices for Valves, Fittings, Threads, Flanges
(New PAR)

P2510 (SEN/SC)
Standard for Establishing Quality of Data Sensor Parameters in the Internet of Things Environment
(New PAR)

P1883 (VT/RTSC)
Recommended Practice for Electrical and Electro-Mechanical Bench Test Equipment (BTE) for Transit
Rail Projects
(New PAR)

P1884 (VT/RTSC)
Guide for Stray Current/Corrosion Mitigation for DC Rail Transit Systems
(New PAR)
Standards Committee Changes

Current Standards Committee for the following PARs: C/SAB; New Standards Committee: C/OGSC

P2946 ‘Guide for Electronic Sports (Esports) Integrity’

P2947 ‘Guide for Broadcasting Electronic Sports (Esports) Events’

P2948 ‘Standard for Framework and Definitions for Cloud Gaming’

P2949 ‘Recommended Practice for the Evaluation of Cloud Gaming User Experiences’