IEEE SA Standards Board New Standards Committee (NesCom) Recommendations

[SASB approval date: 30-Mar-2023]
[All votes unanimous unless noted otherwise.]

Modified PARs

IEEE Communications Society/Power Line Communications
P2030.5
Standard for Smart Energy Profile Protocol
Recommendation: Approve modified PAR

P2418.5
Guide for Blockchain in Power and Energy Systems
Recommendation: Approve modified PAR

IEEE Power and Energy Society/Substations
P81
Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Grounding System
Recommendation: Approve modified PAR

PC37.122.10
Guide for Handling Non-Sulphur Hexafluoride (SF6) Gases for High-Voltage Equipment Rated above 1000 Vac
Recommendation: Approve modified PAR

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 modified PAR

Extension Requests

IEEE Power and Energy Society/Transformers
PC57.12.40
Standard for Network, Three-Phase Transformers, 2500 kVA and Smaller; High Voltage, 34 500 V and Below; Low Voltage, 600 V and Below; Subway and Vault Types (Liquid Immersed)
Recommendation: Approve request for an extension until December 2025

IEEE Power and Energy Society/Transmission and Distribution
P1227
Guide for the Measurement of DC Electric-Field Strength and Ion Related Quantities
Recommendation: Approve request for an extension until December 2024

P2844
Recommended Practice for Limiting Voltage Imbalance in Electric Power Systems
Recommendation: Approve request for an extension until December 2025

IEEE SA Board of Governors/Corporate Advisory Group
P2413.1
Standard for a Reference Architecture for Smart City (RASC)
Recommendation: Approve request for an extension until December 2024

New PARs

IEEE Communications Society/Mobile Communication Networks Standards Committee
P1944
Standard for Channel Models of Wireless Systems
Recommendation: Defer new PAR until the next NesCom meeting to provide time for the submitter to work with NesCom commenters to clarify the gaps noted on the PAR and the use of the term 'existing' in the scope (5 approve, 3 disapprove, 3 abstain)

IEEE Computer Society/Artificial Intelligence Standards Committee
P3342
Standard for Functional Requirements of Toolchain for Artificial Intelligence Model Deployment on Edge Devices
Recommendation: Approve new PAR until December 2027

P3350
Recommended Practice for Improving Generalizability of Artificial Intelligence for Medical Imaging

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

**P3354**
Trial-Use Recommended Practice for 3D Object Reconstruction from Multi-view Images Based on Deep Learning

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

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

**P3361**
Standard for Evaluation Method of Robustness of Digital Watermarking Implementation in Digital Contents

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

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

**P26516**
Systems and software engineering — Design and development of instructional videos and animations

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

**P26517**
Systems and software engineering — Development of user assistance in mobile applications

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

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

**P3811**
Standard for Security Service Specifications for DLT–based Supply Chain Finance

**Recommendation:** Approve new PAR until December 2027 (6 approve, 2 disapprove, 1 abstain, 1 recuse)

**P3817**
Standard for Natural Gas Market Knowledge Graphs

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

**P3818**
Standard for Technical Requirements of Blockchain-based Data Management for Medical Service

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

**IEEE Instrumentation and Measurement Society/TC41 - Traffic Enforcement Technologies**

**P3360**
Standard for the Performance of On-Site Oral Fluid Drug Screening Devices

**Recommendation:** Approve new PAR until December 2027 (8 approve, 1 disapprove, 1 abstain)

**IEEE Power and Energy Society/Switchgear**

**P62271-37-013-2021/Cor 1**
International Standard for High-voltage Switchgear and Controlgear--Part 37-013: Alternating current generator circuit-breakers - Corrigendum 1

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

**IEEE Power and Energy Society/Transformers**

**PC57.132**
Guide for Vibration Testing of Oil-immersed High-voltage Direct Current (HVDC) Converter Transformer (±160 kV dc to ±1100 kV dc)

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

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

**P3353**
Guide for Staged Fault Test of Alternating Current/Direct Current (AC/DC) Transmission Lines

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

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

**P3358**
Standard for Technical Requirements for Low-code Application Platform (LCAP)

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

**P8000**
Standard for Characterization and Specification of Ethical Properties in Autonomous Intelligent Systems (AIS)

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

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

**P3355**
Standard for Deriving Synthetic Aperture Radar Resolution Capabilities

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

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

**P7016.1**
Standard for Ethically Aligned Educational Metadata in Extended Reality (XR) & Metaverse
Recommendation: Approve new PAR until December 2027

**P7802**
Standard for Measurement and Verification of Reduction of Greenhouse Gases for Climate Action Projects and Solutions

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

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

**P3359**

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

**IEEE Vehicular Technology Society/High Speed Train and Maglev Standards Committee**

**P3351**
Standard for Levitation System of Electromagnetic Suspension type of Magnetic Levitation Vehicle

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

**P3352**
Standard for Test Specification of Short Stator Maglev Train

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

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

**P1609.2.2**

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

**IEEE Vehicular Technology Society/Overhead Contact Systems**

**P3357**
Recommended Practice for Grounding Overhead Contact System (OCS) Poles and Supports on Light Rail Transit Systems

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

**PARs for the Revision of Standards**

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

**P802.3.1**
Standard for Ethernet Structure of Management Information version 2 (SMIv2) Data Model Definitions

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

**P802.3.2**
Standard for Ethernet - YANG Data Model Definitions

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

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

**P1844**
Standard Test Procedure for Determining Circuit Integrity Performance of Fire Resistive Cables in Nuclear Facilities

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