

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

IEEE Power and Energy Society/Smart Buildings, Loads and Customer Systems

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

Trial-Use Guide for Testing Methods for Proton Exchange Membrane Fuel Cell Systems in Automotive Applications Using Compressed Hydrogen as Fuel

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

Standard Wireless Access in Vehicular Environments (WAVE) - Multi-Jurisdictional Interoperability Using Security Credentials Originating in Disparate Policy Domains

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 (SMIPv2) 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