IEEE SA Standards Board New Standards Committee (NesCom) Recommendations

[All votes unanimous unless noted otherwise.]

Withdrawal Requests

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

**P802.3cw**
Standard for Ethernet Amendment: Physical Layers and Management Parameters for 400 Gb/s Operation over DWDM (Dense Wavelength Division Multiplexing) Systems

**Recommendation:** Approve PAR withdrawal.

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

**P3140**
Standard for Semantic Maps for Autonomous Robots

**Recommendation:** Approve PAR withdrawal.

Modified PARs

**IEEE Computer Society/Blockchain and Distributed Ledgers**

**P3215**
Standard for Consensus Framework for Blockchain System

**Recommendation:** Approve modified PAR.

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

**P2725.1**
Standard for Microwave Structural, Vascular, or Functional Brain Imaging Device Safety

**Recommendation:** Approve modified PAR.

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

**P1451.1.6**
Standard for a Smart Transducer Interface for Sensors, Actuators, and Devices - Message Queue Telemetry Transport (MQTT) for Networked Device Communication

**Recommendation:** Approve modified PAR.

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

**P1829**
Guide for Conducting Corona Tests on Hardware Assemblies for Overhead Transmission Lines and Substations

**Recommendation:** Approve modified PAR.

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

**P3321**
Recommended Practice for the Application of Assumptions on Reasonably Foreseeable Behavior of Other Road Users in Safety Related Models

**Recommendation:** Approve modified PAR.

Extension Requests

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

**P2863**
Recommended Practice for Organizational Governance of Artificial Intelligence

**Recommendation:** Approve request for an extension until 31 December 2025.

**IEEE Computer Society/Test Technology**

**P1450.6.2**
Standard for Memory Modeling in Core Test Language

**Recommendation:** Approve request for an extension until 31 December 2026.

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

**P1120**
Guide for the Planning, Design, Installation, and Repair of Submarine Power Cable Systems

**Recommendation:** Approve request for an extension until 31 December 2025. (Vote: 7=Yes; 5=No; 0=Abstain)

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

**P1615**
Recommended Practice for Network Communication for Electric Power Substation Monitoring and Control

**Recommendation:** Approve request for an extension until 31 December 2026.

**IEEE Power and Energy Society/Transformers**

**PC57.146**

Guide for Interpretation of Gases Generated in Silicone-Immersed Transformers

**Recommendation:** Approve request for an extension until 31 December 2026.

**IEEE Power Electronics Society/Standards Committee**

**P393**

Standard for Test Procedures for Magnetic Cores

**Recommendation:** Approve request for an extension until 31 December 2026.

**IEEE SA Board of Governors/International Committee on Electromagnetic Safety**

**P62209-3**

Measurement Procedure for the Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-Held and Body-Mounted Wireless Communication Devices – Part 3: Vector Measurement-Based Systems (Frequency range of 300 MHz to 6 GHz)

**Recommendation:** Approve request for an extension until 31 December 2026.

**New PARs**

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

**P1936.6**

Standard for Unmanned Aircraft Systems Based Oblique Photogrammetry Used for Survey and Design of 110 kV and above Power Transmission and Transformation Projects

**Recommendation:** Approve new PAR until December 2028.

**P1936.7**

Standard for Mesh Deployment of Multi-Rotor Unmanned Aircraft Systems for Inspection of Electrical Power Facilities

**Recommendation:** Defer P1936.7 until next NesCom meeting. (1 abstention)

**P1936.8**

Standard for Photovoltaic Power Station Monitoring by Unmanned Aircraft System

**Recommendation:** Defer P1936.8 until next NesCom meeting. (Vote: 9 = Yes; 2 = No; 2 = Abstain)

**P1936.9**

Standard for Technical Requirements for Electric Unmanned Aircraft Systems for Power Grid Material Lifting

**Recommendation:** Approve new PAR until December 2028.

**P1936.10**

Recommended Practice for Use of Electric Unmanned Aircraft Systems for Power Grid Material Lifting

**Recommendation:** Approve new PAR until December 2028.

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

**P3484**

Recommended Practice for an Artificial Intelligence Imaging and Data Process Model for Sustainable Textile Value Chain Operations

**Recommendation:** Approve new PAR until December 2028. (Vote: 10=Yes; 3=No; 0=Abstain)

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

**P3483**

Standard for Deep Intermediate Feature Coding

**Recommendation:** Approve new PAR until December 2028.

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

**P802.1ASeb**

IEEE Standard for Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications

**Amendment:** Optional Use of Announce

**Recommendation:** Approve new PAR until December 2028.

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

**P3816.1**

Standard for Certificates of Internet of Rights (IOR)

**Recommendation:** Approve new PAR until December 2028.

**P3816.2**

Standard for Entrusted Storage of Internet of Rights (IOR)

**Recommendation:** Approve new PAR until December 2028.

**P3822**

Standard for Framework of Computational Resource Trading Based on Blockchain

**Recommendation:** Approve new PAR until December 2028.
P3823
Guide for Privacy-Preserving Computation-Based Price Mechanism for the Data Element Market
Recommendation: Approve new PAR until December 2028. (1 abstention)

P3824
Standard for Reference Framework for Blockchain-Based Digital Content Management Platform
Recommendation: Approve new PAR until December 2028.

P3825
Standard for Technical Requirements for Blockchain-Based Electronic Transferable Records
Recommendation: Approve new PAR until December 2028.

IEEE Consumer Technology Society/Emerging Technology Standards Committee
P3475
Standard for General Requirements for the Docking Port of Intelligent Washing Machines and Cleaning All-in-One Robots
Recommendation: Approve new PAR until December 2028.

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology
P1451.99
Standard for Harmonization of Internet of Things (IoT) Systems Interactions
Recommendation: Approve new PAR until December 2028.

P1588.1
Standard for Client Server Precision Clock Synchronization Protocol
Recommendation: Approve new PAR until December 2028.

IEEE Intelligent Transportation Systems Society/Standards Committee
P3473
Standard for Technical Requirements for Large Scale Artificial Intelligence Models for Rail Transit
Recommendation: Approve new PAR until December 2028. (Vote: 9=Yes; 4=No; 0=Abstain)

IEEE Power and Energy Society/Analytic Methods for Power Systems
P2882
Guide for Validation of Software Models of Generators for Power System Studies
Recommendation: Approve new PAR until December 2028.

IEEE Power and Energy Society/Transformers
PC57.133
Guide for Evaluating Transformer Performance under Reverse Power Flow
Recommendation: Approve new PAR until December 2028.

IEEE Power and Energy Society/Transmission and Distribution
P3476
Standard for Unique IDs and Smart Tags for Supply Chain and Asset Traceability for the Electric Grid
Recommendation: Approve new PAR until December 2028.

IEEE Vehicular Technology Society/Automated Vehicles Standards Committee
P3472
Standard for Developing Parallel Autonomy Systems within Passenger Vehicles
Recommendation: Approve new PAR until December 2028.

P3474
Standard for Human Intentions and Artificial Intelligence Alignment in Autonomous Driving Agent
Recommendation: Approve new PAR until December 2028.

PARs for the Revision of Standards
IEEE Antennas and Propagation Society/Antennas and Propagation Standards Committee
P211
Standard for Definitions of Terms for Radio Wave Propagation
Recommendation: Approve PAR for the revision of a standard until December 2028. (Vote: 6=Yes; 4=No; 3=Abstain)

IEEE Computer Society/Software & Systems Engineering Standards Committee
P26513
Systems and Software Engineering - Testing and Reviewing Information for Users
Recommendation: Approve PAR for the revision of a standard until December 2028.

IEEE Power and Energy Society/Electric Machinery
P1129
Guide for Online Monitoring of Large Synchronous Generators (10 MVA and above)
Recommendation: Approve PAR for the revision of a standard until December 2028.

P1776
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 PAR for the revision of a standard until December 2028.

**IEEE Power and Energy Society/Switchgear**

**PC37.30.3**
Standard for Requirements for High-Voltage Interrupter Switches, Interrupters, or Interrupting Aids Used on or Attached to Switches Rated for Alternating Currents Above 1000 V

**Recommendation:** Approve PAR for the revision of a standard until December 2028.

**PC37.30.4**
Standard for Test Code for Switching and Fault Making Tests for High-Voltage Interrupter Switches, Interrupters, or Interrupting Aids Used on or Attached to Switches Rated for Alternating Currents above 1000 V

**Recommendation:** Approve PAR for the revision of a standard until December 2028.

**IEEE Power and Energy Society/Transformers**

**PC57.12.58**
Guide for Conducting a Transient Voltage Analysis of a Dry-Type Winding

**Recommendation:** Approve PAR for the revision of a standard until December 2028.

**PC57.19.01**
Standard for Performance Characteristics and Dimensions for Power Transformer and Reactor Bushings

**Recommendation:** Approve PAR for the revision of a standard until December 2028.

**PC57.93**
Guide for Installation and Maintenance of Liquid-Immersed Power Transformers and Reactors

**Recommendation:** Approve PAR for the revision of a standard until December 2028.

**PC57.104**
Guide for the Interpretation of Gases Generated in Mineral Oil-Immersed Transformers

**Recommendation:** Approve PAR for the revision of a standard until December 2028.

**PC57.161**
Guide for Dielectric Frequency Response Test for Liquid-immersed Transformers and Reactors

**Recommendation:** Approve PAR for the revision of a standard until December 2028.