

IEEE SA Standards Board New Standards Committee (NesCom) Recommendations

[SASB approval date: 23-Sep-2021]

[All votes unanimous unless noted otherwise.]

Withdrawal Requests

IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee

P1900.5.2a

Standard Method for Modeling Spectrum Consumption - Amendment: Adding JavaScript Object Notation (JSON) and XML Schema Definition (XSD) and Validation Rules

Recommendation: Approve PAR withdrawal

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

P1917.1

Standard for Software Defined Networking and Network Function Virtualization Reliability

Recommendation: Approve PAR withdrawal

IEEE Consumer Technology Society/Standards Committee

P2900

Standard for Smart Home Security: Overview and Architecture

Recommendation: Approve PAR withdrawal

P2900.1

Standard for Smart Home Security: Taxonomy and Definitions

Recommendation: Approve PAR withdrawal

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

P1451.8

Standard for Wind Turbine Health Monitoring System Wireless Communication Protocols and Transducer Electronic Data Sheet (TEDS) Format

Recommendation: Approve PAR withdrawal

Modified PARs

IEEE Computer Society/LAN/MAN Standards Committee

P802.15.4-2020/Cor 1

Standard for Low-Rate Wireless Networks - Corrigendum 1 Correction of errors preventing backward compatibility:

Recommendation: Approve modified PAR until December 2024

IEEE Consumer Technology Society/Standards Committee

P3141

Trial-Use Standard for 3D Body Processing

Recommendation: Approve modified PAR until December 2021

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2621.3

Recommended Practice for Wireless Diabetes Device Security - Use of Mobile Devices in Diabetes Control Contexts

Recommendation: Approve modified PAR until December 2024

IEEE Industry Applications Society/Petroleum & Chemical Industry

P841.1

Standard for Process Industry - International Energy Efficient Class 3 (IE3) (Premium-Efficiency), Severe-Duty, Totally Enclosed Frame Surface Cooled Squirrel Cage Induction Motors - 0.75 kW to 370 kW (1 hp to 500 hp)

Recommendation: Approve modified PAR until December 2022

IEEE Instrumentation and Measurement Society/TC45 - Radiation and Nuclear Instrumentation and Systems

PN42.43

Standard for Mobile Radiation Monitors for Homeland Security

Recommendation: Approve modified PAR until December 2025

IEEE Power and Energy Society/Insulated Conductors

P82

Standard Test Procedure for Impulse Voltage Tests on Insulated Cables and Their Accessories

Recommendation: Approve modified PAR until December 2024

IEEE Power and Energy Society/Transmission and Distribution

P519

Standard for Harmonic Control in Electric Power Systems

Recommendation: Approve modified PAR until December 2021

PC135.100

Standard for Line Hardware for Overhead Line Construction

Recommendation: Approve modified PAR until December 2023

IEEE SA Board of Governors/Corporate Advisory Group

P2973

Guide for Field Calibration System for Current Carrying Capacity of Overhead Transmission Lines

Recommendation: Approve modified PAR until December 2024

P7130

Standard for Quantum Technologies Definitions

Recommendation: Approve modified PAR until December 2021

P7131

Standard for Quantum Computing Performance Metrics & Performance Benchmarking

Recommendation: Approve modified PAR until December 2022

Extension Requests

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

P1935

Standard for Edge/Fog Manageability and Orchestration

Recommendation: Approve request for an extension until December 2023

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

P1916.1

Standard for Software Defined Networking and Network Function Virtualization Performance

Recommendation: Approve request for an extension until December 2024

IEEE Computer Society/LAN/MAN Standards Committee

P802.1Qcj

Standard for Local and Metropolitan Area Networks -- Bridges and Bridged Networks Amendment: Automatic Attachment to Provider Backbone Bridging (PBB) services

Recommendation: Approve request for an extension until December 2023

P802.1Qcw

Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks Amendment: YANG Data Models for Scheduled Traffic, Frame Preemption, and Per-Stream Filtering and Policing

Recommendation: Approve request for an extension until December 2023

P802.11az

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 - Enhancements for Positioning

Recommendation: Approve request for an extension until December 2023

P802.15.13

Standard for Multi-Gigabit per Second Optical Wireless Communications (OWC), with Ranges up to 200 meters, for both stationary and mobile devices

Recommendation: Approve request for an extension until December 2022

IEEE Computer Society/Smart Manufacturing Standards Committee

P2671

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

Recommendation: Approve request for an extension until December 2023

P2672

Guide for General Requirements of Mass Customization

Recommendation: Approve request for an extension until December 2023

IEEE Computer Society/Software & Systems Engineering Standards Committee

P7002

Data Privacy Process

Recommendation: Approve request for an extension until December 2022

P7003

Algorithmic Bias Considerations

Recommendation: Approve request for an extension until December 2023

P42010

Standard for Systems and Software Engineering - Architecture Description

Recommendation: Approve request for an extension until December 2022

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P1597.1

Standard for Validation of Computational Electromagnetics Computer Modeling and Simulations

Recommendation: Approve request for an extension until December 2022

P2665

Recommended Practice for Statistical Process Control for EMC Test Laboratories

Recommendation: Approve request for an extension until December 2023

P2718

Guide for Near Field Characterization of Unintentional Stochastic Radiators

Recommendation: Approve request for an extension until December 2023

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 request for an extension until December 2024 (10 approve, 0 disapprove, 1 abstain)

P1451.5

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

Recommendation: Approve request for an extension until December 2024

P21451-1-5

Standard for a Smart Transducer Interface for Sensors, Actuators, and Devices - Simple Network Management Protocol (SNMP) for Networked Device Communication

Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Power System Relaying and Control

PC37.101

Guide for Generator Ground Protection

Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Switchgear

PC37.75

Standard for Pad-Mounted, Pole-Mounted and Submersible Switchgear Enclosures and Associated Control Enclosures - Coastal and Non-Coastal Environmental Integrity

Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Transformers

PC57.12.38

Standard for Pad-Mounted-Type, Self-Cooled, Single-Phase Distribution Transformers 250 kVA and Smaller: High Voltage, 34 500 GrdY/19 920 V and Below; Low Voltage, 480/240 V and Below

Recommendation: Approve request for an extension until December 2023

PC57.12.44

Standard Requirements for Secondary Network Protectors

Recommendation: Approve request for an extension until December 2022

PC57.13.9

Standard for Power-Line Carrier Coupling Capacitors and Coupling Capacitor Voltage Transformers

Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Transmission and Distribution

P1218

Trial-Use Guide for Maintenance of Wood Transmission and Distribution Line Structures

Recommendation: Approve request for an extension until December 2023

IEEE Robotics and Automation Society/Standing Committee for Standards

P2751

3D Map Data Representation for Robotics and Automation

Recommendation: Approve request for an extension until December 2023

IEEE Vehicular Technology Society/Communications Based Train Control and Signals

P1474.1

Standard for Communications-Based Train Control (CBTC) Performance and Functional Requirements

Recommendation: Approve request for an extension until December 2023

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

P1547.2

Application Guide for IEEE Std 1547(TM), IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems

Recommendation: Approve request for an extension until December 2022

New PARs

IEEE Communications Society/Access and Core Networks Standards Committee

P1937.6

Standard for Unmanned Aerial Vehicle (UAV) Light Detection and Ranging (LiDAR) Remote Sensing Operation

Recommendation: Approve new PAR until December 2025 (8 approve, 0 disapprove, 2 abstain)

P1937.7

Standard for the Unmanned Aerial Vehicle (UAV) Polarimetric Remote Sensing Method for Earth Observation Applications

Recommendation: Approve new PAR until December 2025 (8 approve, 0 disapprove, 2 abstain)

P1937.8

Standard for Functional and Interface Requirements for Unmanned Aerial Vehicle (UAV) Cellular Communication Terminals

Recommendation: Approve new PAR until December 2025 (8 approve, 0 disapprove, 2 abstain)

P1937.9

Requirements for External Power and Power Management Interfaces for Unmanned Aerial Vehicle

Recommendation: Approve new PAR until December 2025 (8 approve, 0 disapprove, 2 abstain)

IEEE Communications Society/Mobile Communication Networks Standards Committee

P1954

Standard for Self-Organizing Spectrum-Agile Unmanned Aerial Vehicles Communications

Recommendation: Approve new PAR until December 2025 (8 approve, 0 disapprove, 2 abstain)

IEEE Computer Society/Artificial Intelligence Standards Committee

P3110

Standard for Computer Vision (CV) - Algorithms, Application Programming Interfaces (API), and Technical Requirements for Deep Learning Framework

Recommendation: Approve new PAR until December 2025 (9 approve, 0 disapprove, 2 abstain [Fathy])

P7015

Standard for Data and Artificial Intelligence (AI) Literacy, Skills, and Readiness

Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Blockchain and Distributed Ledgers

P3220

Guide for the Application of Non-Fungible Token (NFT) Based Digital Asset

Recommendation: Approve new PAR until December 2025 (9 approve, 0 disapprove, 2 abstain)

IEEE Computer Society/Cloud Computing Standards Committee

P2304

Standard for Cloud Computing Shared Function Model

Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Data Compression Standards Committee

P1857.11

Standard for Neural Network-Based Image Coding

Recommendation: Approve new PAR until December 2025

P1857.12

Standard for Smart Media Transport

Recommendation: Approve new PAR until December 2025 (9 approve, 0 disapprove, 2 abstain)

IEEE Computer Society/LAN/MAN Standards Committee

P802.3de

Standard for Ethernet

Amendment: Enhancements to the MAC Merge function and the Time Synchronization Service Interface (TSSI) to Include Point-to-Point 10 Mb/s Single Pair Ethernet

Recommendation: Approve new PAR until December 2025

P802.15.4ab

Standard for Low-Rate Wireless Network

Amendment: Enhanced Ultra Wide-Band (UWB) Physical Layers (PHYS) and Associated Medium Access and Control (MAC) sublayer Enhancements

Recommendation: Approve new PAR until December 2025

P802.15.6a

Standard for Local and Metropolitan Area Networks - Part 15.6: Wireless Body Area Networks

Amendment: Dependable Human and Vehicle Body Area Networks

Recommendation: Approve new PAR until December 2025

P802.15.14

Standard for Impulse Radio Ultra Wideband Wireless Ad Hoc Networks

Recommendation: Approve new PAR until December 2025

P802.15.15

Standard for Wireless Ad Hoc Networks

Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Microprocessor Standards Committee

P3109

Standard for Arithmetic Formats for Machine Learning

Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Software & Systems Engineering Standards Committee

P15026-3

Systems and Software Engineering - Systems and Software Assurance - Part 3: System Integrity Levels

Recommendation: Approve new PAR until December 2025

IEEE Consumer Technology Society/Standards Committee

P2089.1

Standard for Online Age Verification

Recommendation: Approve new PAR until December 2025

IEEE Industry Applications Society/Industrial Power Conversion Systems Department

P3114

Standard for Datasheet Parameters and Testing Protocols for Ultraviolet (UV) Light-emitting Diodes (LEDs)

Recommendation: Approve new PAR until December 2025

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

P1451.5p

Standard for Radio Frequency Channel Specifications for Performance Assessment of Industrial Wireless Systems

Recommendation: Approve new PAR until December 2025

IEEE Photonics Society/Standards Committee

P3111

Guide for Test and Inspection of Laser Devices Used for Remote Removal of Foreign Matter in Public Infrastructure Equipment

Recommendation: Approve new PAR until December 2025

IEEE Power and Energy Society/Transformers

PC57.107

Recommended Practice for Developing Design-Specific Operational Limits for Transformers Connected to Generators or Power Systems Subject to Significant Short-Term Changes in Voltage or Frequency

Recommendation: Approve new PAR until December 2025

PC57.141

Guide for Detection, Monitoring, and Evaluation of Winding Deformation in Liquid-Immersed Power Transformers

Recommendation: Approve new PAR until December 2025

IEEE Power and Energy Society/Transmission and Distribution

P3102

Standard for Conservation Voltage Reduction (CVR) Data Collection and Management Procedures

Recommendation: Approve new PAR until December 2025

IEEE Power Electronics Society/Standards Committee

P3105

Recommended Practice for Design and Integration of Solid State Transformers in Electric Grid

Recommendation: Approve new PAR until December 2025

IEEE Reliability Society/IEEE Reliability

P3106

Standard for Telecommunication System Reliability Indices

Recommendation: Approve new PAR until December 2025

IEEE Robotics and Automation Society/Standing Committee for Standards

P3107

Standard Terminology for Human-Robot Interaction

Recommendation: Approve new PAR until December 2025

P3108

Recommended Practice for Human-Robot Interaction Design of Human Subject Studies

Recommendation: Approve new PAR until December 2025

IEEE SA Board of Governors/Corporate Advisory Group

P3115

Guide for the Technical Specification of 5G (5th Generation Mobile Network) Power Communication Terminal

Recommendation: Approve new PAR until December 2025

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

P3119

Standard for the Procurement of Artificial Intelligence and Automated Decision Systems

Recommendation: Approve new PAR until December 2025

IEEE Vehicular Technology Society/Automated Vehicles Standards Committee

P3116

Standard for Automotive Radar Performance Metrics and Testing Methods for Advanced Driver Assistance Systems (ADAS) and Automated Driving System (ADS) Applications

Recommendation: Approve new PAR until December 2025

PARs for the Revision of Standards

IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee

P1900.5.2

Standard Method for Modeling Spectrum Consumption

Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Computer Society/Data Compression Standards Committee

P1857.2

Standard for Advanced Audio Coding

Recommendation: Approve PAR for the revision of a standard until December 2025 (10 approve, 0 disapprove, 1 abstain)

IEEE Computer Society/Simulation Interoperability Stds Organization/Stds Activity Committee

P1730

Recommended Practice for Distributed Simulation Engineering and Execution Process (DSEEP)

Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Computer Society/Software & Systems Engineering Standards Committee

P32430

Standard for Software Non-Functional Sizing Measurements

Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Industry Applications Society/Industrial Power Conversion Systems Department

P114

Standard Test Procedure for Single-Phase Induction Motors

Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Industry Applications Society/Petroleum & Chemical Industry

P45.1

Recommended Practice for Electrical Installations on Shipboard - Design

Recommendation: Approve PAR for the revision of a standard until December 2025

P515.1

Standard for the Testing, Design, Installation, and Maintenance of Electrical Resistance Trace Heating for Commercial Applications

Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Instrumentation and Measurement Society/TC45 - Radiation and Nuclear Instrumentation and Systems

PN42.38

Standard for Spectroscopy-Based Portal Monitors Used for Homeland Security

Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Insulated Conductors

P404

Standard for Extruded and Laminated Dielectric Shielded Cable Joints Rated 2.5 kV to 500 kV

Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Switchgear

PC37.20.6

Standard for 4.76 kV to 48.3 kV Rated Ground and Test Devices Used in Enclosures

Recommendation: Approve PAR for the revision of a standard until December 2025 (10 approve, 0 disapprove, 1 abstain)

IEEE Power and Energy Society/Transformers

P65700-19-03

Standard - Bushings for DC Application

Recommendation: Approve PAR for the revision of a standard until December 2025

PC57.155

Guide for the Interpretation of Gases Generated in Natural and Synthetic Ester Liquid Type Transformers

Recommendation: Approve PAR for the revision of a standard until December 2025

PC57.637

Guide for Reclamation and Reconditioning of Insulating Liquids

Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Transmission and Distribution

P1048

Guide for Protective Grounding of Power Lines

Recommendation: Approve PAR for the revision of a standard until December 2025

P1067

Guide for In-Service Use, Care, and Maintenance, of Conductive Clothing for Use on Voltages up to 765 kV AC and +/-750 kV DC

Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.2.1

Standard for Wireless Access in Vehicular Environments (WAVE) - Certificate Management Interfaces for End Entities

Recommendation: Approve PAR for the revision of a standard until December 2025

Standards Committee Changes

Current Standards Committee for the following standard: C/SAB; New Standards Committee: C/AISC

2830 'Standard for Technical Framework and Requirements of Trusted Execution Environment based Shared Machine Learning'

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

P2840 'Standard for Responsible AI Licensing'

P2841 'Framework and Process for Deep Learning Evaluation'

P2863 'Recommended Practice for Organizational Governance of Artificial Intelligence'

P2874 'Standard for Spatial Web Protocol, Architecture and Governance'

P2937 'Standard for Performance Benchmarking for AI Server Systems'

P2945 'Standard for Technical Requirements for Face Recognition Systems'

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

P7130 'Standard for Quantum Technologies Definitions'

P7131 'Standard for Quantum Computing Performance Metrics & Performance Benchmarking'