

IEEE SA Standards Board New Standards Committee (NesCom) Recommendations

[SASB Approval Date: 05-Jun-2023]

[All votes unanimous unless noted otherwise.]

Modified PARs

IEEE Computer Society/Artificial Intelligence Standards Committee

P3110

Standard for Computer Vision (CV) - Technical Requirements for Algorithms Application Programming Interfaces (APIs) of Deep Learning Framework

Recommendation: Approve modified PAR

IEEE Computer Society/LAN/MAN Standards Committee

P802.1ASdm

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

Amendment: Hot Standby and Clock Drift Error Reduction

Recommendation: Approve modified PAR

P802.1CS-2020/Cor 1

Standard for Local and Metropolitan Area Networks--Link-local Registration Protocol - Corrigendum 1 Corrections to Management Modules and Protocol Encoding

Recommendation: Approve modified PAR

P802.1Qdt

Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks

Amendment: Priority-based Flow Control Enhancements

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Electric Machinery

P2465

Recommended Practice for Pulse-Type Partial Discharge Measurements on Individual Stator Coils and Bars

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Energy Storage & Stationary Battery Committee

P1115

Recommended Practice for Sizing Nickel-Cadmium Batteries for Stationary Applications

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Insulated Conductors

P495

Standard for Testing Faulted Circuit Indicators

Recommendation: Approve modified PAR

IEEE Power Electronics Society/Standards Committee

P2996

Recommended Practice for Near Magnetic Field and Electric Field Characterization of Inductors

Recommendation: Approve modified PAR

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P3344

Standard for Scenario Description Language for Autonomous Driving

Recommendation: Approve modified PAR

Extension Requests

IEEE Power and Energy Society/Substations

PC37.122.10

Guide for Handling Non-Sulphur Hexafluoride (SF6) Gases for High-Voltage Equipment Rated above 1000 Vac

Recommendation: Approve request for an extension until December 2025

IEEE Power and Energy Society/Transformers

PC57.12.24

Standard for Submersible, Three-Phase Transformers, 3750 kVA and Smaller: High Voltage, 34 500 GrdY/19 920 Volts and Below; Low Voltage, 600 Volts and Below

Recommendation: Approve request for an extension until December 2025 (10 approve, 0 disapprove, 1

abstain)

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 2025

PC57.152

Guide for Diagnostic Field Testing of Liquid-Filled Power Transformers, Regulators, and Reactors

Recommendation: Approve request for an extension until December 2025

New PARs

IEEE Communications Society/Mobile Communication Networks Standards Committee

P1944

Standard for Channel Models of Wireless Systems

Recommendation: Approve new PAR until December 2027

IEEE Communications Society/Power Line Communications

P1901.3

Standard for Medium Frequency (less than 12 MHz) Power Line Communications (PLC) with a Hybrid PLC/Radio Frequency Physical Layer (PHY)

Recommendation: Approve new PAR until December 2027

P3363

Standard for Wireless Sensor Data of Power Transmission and Transformation Equipment

Recommendation: Conditionally approve new PAR until December 2027 pending information of the Working Group Chair being added to the PAR

IEEE Computer Society/Blockchain and Distributed Ledgers

P3231

Standard for a Blockchain-based Energy Metaverse Application Model, Framework, and Requirements

Recommendation: Approve new PAR until December 2027

IEEE Computer Society/Data Compression Standards Committee

P2941.3

Standard for Representation and Application Programming Interface (API) of Large-scale Pre-trained Artificial Intelligence (AI) Models

Recommendation: Approve new PAR until December 2027

P3184.1

Standard for Joint Calibration Framework of Multiple Roadside Sensors

Recommendation: Approve new PAR until December 2027

P3184.2

Standard for Property Graph Description of Road Networks

Recommendation: Approve new PAR until December 2027

P3366.1

Standard for Geometry Point Cloud Compression

Recommendation: Approve new PAR until December 2027

P3366.2

Standard for Polygonal Mesh Compression

Recommendation: Approve new PAR until December 2027

IEEE Computer Society/LAN/MAN Standards Committee

P802.1DU

Standard for Local and Metropolitan Area Networks – Cut-Through Forwarding Bridges and Bridged Networks

Recommendation: Approve new PAR until December 2027 (10 approve, 0 disapprove, 1 recuse [Hiertz])

P802.1Qdx

Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks

Amendment: YANG Data Models for the Credit-Based Shaper

Recommendation: Approve new PAR until December 2027

P802.15.4ac

Standard for Low-Rate Wireless Networks

Amendment: Privacy Enhancements

Recommendation: Approve new PAR until December 2027

IEEE Computer Society/Standards Activities Board

P3195.1.2

Standard for Person Ontology

Recommendation: Approve new PAR until December 2027

IEEE Industry Applications Society/Metal Industry Committee Standards Development Subcommittee

P3372
Guide for the Functional Specification of AC Guide for Arc Furnace Transformers: 10 MVA to 200 MVA, High Voltage 69 kV ac and below, Low Voltage 1250 V ac and below

Recommendation: Approve new PAR until December 2027 (10 approve, 0 disapprove, 1 abstain)

IEEE Industry Applications Society/Petroleum & Chemical Industry

P80005-4

Utility Connections in Port – Part 4: DC shore connection (DCSC) systems – General requirements

Recommendation: Approve new PAR until December 2027

IEEE Industry Applications Society/Pulp and Paper Industry Subcommittee

P3371

Recommended practice for Coordinated Drive Systems for Electrical AC Motors Operating on Three Phase, 50 Hz or 60 Hz, 1000 V and Below for Pulp and Paper Industry Installations

Recommendation: Approve new PAR until December 2027

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

PN42.323AB

Radiation Protection Instrumentation Test and Calibration, Portable Survey Instruments

Recommendation: Conditionally approve new PAR until December 2027 contingent upon changing 'should be' to 'are' in the last sentence of the scope

IEEE Power and Energy Society/Insulated Conductors

P3174

Guide for Dynamic Rating of Underground Cable Systems

Recommendation: Approve new PAR until December 2027

IEEE Power and Energy Society/Surge Protective Devices Committee

P3369

Standard for Testing of Lightning-protective Insulator of Overhead Transmission Lines

Recommendation: Approve new PAR until December 2027

IEEE Power and Energy Society/Transformers

PC57.145

Guide for Digital Twin Modeling and Analysis of Power Transformers with High Voltages 69 kV up to 161 kV

Recommendation: Approve new PAR until December 2027

IEEE SA Board of Governors/Corporate Advisory Group

P3304

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Neural Network Watermarking (NNW) Version 1.0

Recommendation: Approve new PAR until December 2027

P3365

Guide for Test and Evaluation of on-board Lithium-based Batteries for Electric Vehicle (EV) Propulsion

Recommendation: Approve new PAR until December 2027

IEEE SA Board of Governors/Distributed Generation, Energy Storage and Interoperability Standards Committee

P1547.1a

Standard Conformance Test Procedures for Equipment Interconnecting Distributed Energy Resources with Electric Power Systems and Associated Interfaces

Amendment 1

Recommendation: Approve new PAR until December 2027

IEEE Signal Processing Society/Synthetic Aperture Standards Committee

P3370

Standard for Performance Metrics of Collocated Multiple-Input Multiple-Output (MIMO) Synthetic Aperture Radar (SAR)

Recommendation: Approve new PAR until December 2027

PARs for the Revision of Standards

IEEE Computer Society/LAN/MAN Standards Committee

P802.1AS

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

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

P802.1Q

Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks

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

**IEEE Power and Energy Society/Energy Storage & Stationary Battery Committee
P1361**

Guide for Selecting and Evaluating Batteries Used in Stand-Alone Photovoltaic (PV) Systems

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

**IEEE Power and Energy Society/Switchgear
PC37.17**

Standard for Trip Systems for Low-Voltage (1000 V and below) AC and General Purpose (1500 V and below) DC Power Circuit Breakers

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

**IEEE Power and Energy Society/Transformers
PC57.17**

Standard Requirements for Arc Furnace Transformers

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

PC57.156

Guide for Tank Rupture Mitigation of Liquid-Immersed Power Transformers and Reactors

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

PC57.157

Guide for Conducting Functional Life Tests on Switch Contacts Used in Insulating Liquid--Immersed Transformers

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

**IEEE Power and Energy Society/Transmission and Distribution
P2819**

Recommended Practice for Measuring Electromagnetic Fields from Overhead Power Transmission Lines in Shared AC and DC Corridors

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

**IEEE SA Board of Governors/Distributed Generation, Energy Storage and Interoperability
Standards Committee**

P1547.4

Guide for Design, Operation, Integration and Interoperability of Intentional Electric Power Systems Islands

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