

IEEE SA Standards Board New Standards Committee (NesCom) Recommendations

[SASB approval date: 29-Jun-2023]
[All votes unanimous unless noted otherwise.]

Withdrawal Requests

IEEE Computer Society/Microprocessor Standards Committee

P3120.1

Standard for Quantum Simulator Architecture

Recommendation: Approve PAR withdrawal.

IEEE Nanotechnology Council/Standards Committee

P3155

Standard for Programmable Quantum Simulator

Recommendation: Approve PAR withdrawal.

IEEE Power and Energy Society/Power System Communications and Cybersecurity

PC37.240

Standard Cybersecurity Requirements for Power System Automation, Protection and Control Systems

Recommendation: Approve PAR withdrawal.

Modified PARs

IEEE Computer Society/Artificial Intelligence Standards Committee

P2894

Guide for an Architectural Framework for Explainable Artificial Intelligence

Recommendation: Approve modified PAR until December 31, 2024.

P3152

Standard for Transparent Agency Identification of Humans and Machines

Recommendation: Approve modified PAR until December 31, 2026.

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 until December 31, 2024.

IEEE Power and Energy Society/Switchgear

PC37.20.9a

Standard for Metal-Enclosed Switchgear Rated 1 kV to 52 kV Incorporating Gas Insulating Systems

Amendment: Clarification of metal-enclosed gas-insulated switchgear (MEGIS) types covered, refilling and monitoring requirements and production test requirements.

Recommendation: Approve modified PAR until December 31, 2027.

IEEE Power Electronics Society/Standards Committee

P2004

Hardware-in-the-Loop (HIL) Simulation Based Testing of Electric Power Apparatus and Controls

Recommendation: Approve modified PAR until December 31, 2023.

Extension Requests

IEEE Computer Society/Standards Activities Board

P2807.1

Standard for Technical Requirements and Evaluation of Knowledge Graphs

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

P7130

Standard for Quantum Technologies Definitions

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

IEEE Power and Energy Society/Insulated Conductors

P386

Standard for Shielded Separable Insulated Connectors for Classes 15 kV through 35 kV

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

P1428

Guide for Installation Methods for Fiber Optic Cables in Power Generating Stations and in Industrial Facilities

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

P1717

Standard for Testing Fire-Resistive, Circuit Integrity Cables and Cable Systems Using a Hydrocarbon Pool Fire Test Protocol

Recommendation: Approve request for an extension until 31 December 2024.

P1816

Guide for Preparation Techniques of Shielded Cables Rated 2.5 kV through 46 kV and the Installation of Mating Accessories

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

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P1815.2

Standard Profile for Communications with Distributed Energy Resources (DERs) using IEEE Std 1815 [Distributed Network Protocol (DNP3)]

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

PC37.236

Guide for Power System Protective Relay Applications Over Digital Communication Channels

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

IEEE Power and Energy Society/Substations

P80

Guide for Safety in AC Substation Grounding

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

IEEE Power and Energy Society/Switchgear

PC37.13

Standard for Low-Voltage AC (1058 V and Below) Power Circuit Breakers Used in Enclosures

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

PC37.100.6

Guide for Determination of Test Specimens for Seismic Qualification for Building Code Applications

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

IEEE Power and Energy Society/Transformers

PC57.170

Guide for the Condition Assessment of Liquid Immersed Transformers, Reactors and Their Components

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

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

P7011

Standard for the Process of Identifying and Rating the Trustworthiness of News Sources

Recommendation: Approve request for an extension until 31 December 2024. (Abstain=2 [Edwards])

IEEE-SASB Coordinating Committees/SCC20 - Test and Diagnosis for Electronic Systems

P1636.1-2018/Cor 1

Standard for Software Interface for Maintenance Information Collection and Analysis (SIMICA): Exchanging Test Results and Session Information via the eXtensible Markup Language (XML)

- Corrigendum 1

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

P1671.1-2017/Cor 1

Standard for Automatic Test Markup Language (ATML) Test Descriptions

- Corrigendum 1

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

New PARs

IEEE Computer Society/Artificial Intelligence Standards Committee

P3374

Recommended Practice for the Framework and Evaluation Methods of Audio-Driven Portraits Based on Artificial Intelligence

Recommendation: Approve new PAR until December 2027. (Abstain=1)

P3375

Standard for Specification of Cloud-Side Deep Learning Artificial Intelligence Chips for Computer Vision

Recommendation: Approve new PAR until December 2027.

P3376

Recommended Practice for Evaluating Artificial Intelligence Generated Content

Recommendation: Approve new PAR until December 2027.

P3378

Standard for Framework and Process for Large-Scale Deep Learning Model Evaluation

Recommendation: Approve new PAR until December 2027.

P3379

Standard for Compiler Interfaces of Artificial Intelligence

Recommendation: Approve new PAR until December 2027. (Abstain=2 [Edwards, Myles])

P7018

Standard for Security and Trustworthiness Requirements in Generative Pretrained Artificial Intelligence (AI) Models

Recommendation: Approve new PAR until December 2027. (Abstain=1 [Myles])

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P3389

Standard for Technical Framework of Runtime Application Self-Protection (RASP)

Recommendation: Approve new PAR until December 2027. (Abstain=1 [Myles])

P3390

Standard for Security Management Capability Framework of Open Source Software Supply Chain for Software Providers

Recommendation: Approve new PAR until December 2027. (Abstain=1 [Myles])

IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee

P3812.3

Standard for Decentralized/Disintermediation Identity Framework Based on Distributed Ledger Technology (DLT)

Recommendation: Approve new PAR until December 2027. (Yes=6; No=2 [Myles], Abstain=2 [Edwards])

P3815

Standard for Layer 2 Framework for Blockchain and Distributed Ledger Technologies (DLT)

Recommendation: Approve new PAR until December 2027. (Abstain=1 [Myles])

P3816

Standard for Internet of Rights (IOR): Overview and Architecture

Recommendation: Approve new PAR until December 2027. (Abstain=1 [Myles])

P3819

Standard for Metaverse Financial System - Reference Architecture and Technical Requirements

Recommendation: Approve new PAR until December 2027. (Abstain=2 [Edwards, Myles])

P3820

Standard for Explainability Capability Evaluation of Anti-Fraud Artificial intelligence (AI) Systems

Recommendation: Approve new PAR until December 2027.

P3821

Standard for Framework of Digital Intelligent Comprehensive Energy Service Station Management Systems

Recommendation: Approve new PAR until December 2027. (Abstain=1 [Myles])

IEEE Consumer Technology Society/Smart Devices Standards Committee

P3385

Guide for Framework on Personal Information Protection in Smart Devices

Recommendation: Approve new PAR until December 2027.

IEEE Engineering in Medicine and Biology Society/IEEE 11073 Standards Committee

P11073-10207-2017/Cor 1

Health Informatics - Point-of-Care Medical Device Communication Part 10207: Domain Information and Service Model for Service-Oriented Point-of-Care Medical Device Communication - Corrigendum 1

Recommendation: Approve new PAR until December 2027.

IEEE Intelligent Transportation Systems Society/Standards Committee

P3377

Standard for In-Cabin Vehicle Sensing & Communication Networks

Recommendation: Approve new PAR until December 2027.

IEEE Power and Energy Society/Transmission and Distribution

P2030.14

Guide for Virtual Power Plant Functional Specification for Alternate and Multi-Source Generation

Recommendation: Approve new PAR until December 2027.

IEEE Power Electronics Society/Standards Committee

P3380

Recommended Practice for Alternating Current (AC) Power System Stability in Critical Facilities

Recommendation: Defer consideration of new PAR to the September 2023 NesCom agenda to allow time for the PAR submitters to adequately review NesCom member comments and consider updates to the PAR.

IEEE SA Board of Governors/International Committee on Electromagnetic Safety

P63480

Standard for Assessment of Human Exposure to Electromagnetic Fields from Radiative Wireless Power Transfer Systems: Measurement and Computational Methods (Frequency Range of 30 MHz to 300 GHz)

Recommendation: Approve new PAR until December 2027.

IEEE SA Board of Governors/SCC20 - Test and Diagnosis for Electronic Systems

P1871.3

Recommended Practice for Using JavaScript Object Notation (JSON) with XML-based Data Models for Test and Diagnosis for Electronic Systems

Recommendation: Approve new PAR until December 2027.

IEEE Signal Processing Society/Synthetic Aperture Standards Committee

P3382

Standard for Performance Metrics for Magnetic Resonance Image Reconstruction

Recommendation: Approve new PAR until December 2027.

P3383

Standard for Performance Metrics for Integrated Sensing and Communication Systems

Recommendation: Approve new PAR until December 2027.

P3384

Standard for Vocabulary for Integrated Sensing and Communication Systems

Recommendation: Approve new PAR until December 2027.

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P3381

Guide for Condition Evaluation of Electric Vehicle Supply Equipment (EVSE)

Recommendation: Approve new PAR until December 2027.

PARs for the Revision of Standards

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P1667

Standard for Discovery, Authentication, and Authorization in Host Attachments of Storage Devices

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

IEEE Power and Energy Society/Nuclear Power Engineering

P741

Standard for Criteria for the Protection of Class 1E Power Systems and Equipment in Nuclear Power Generating Stations

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

P1792

Recommended Practice for Nuclear Power Generating Station Preferred Power Supply Reliability

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

IEEE Power and Energy Society/Substations

P1268

Guide for Safety in Installation and Operation of Mobile Substation Equipment

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

PC37.122.5

Guide for Moisture Measurement and Control in SF6 Gas-Insulated Equipment Rated above 1000 V

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

PC37.122.6

Recommended Practice for the Interface of New Gas-Insulated Equipment in Existing Gas-Insulated Substations Rated above 52 kV

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

IEEE Power and Energy Society/Switchgear

PC37.60

International Standard - High-Voltage Switchgear and Controlgear - Part 111: Automatic Circuit Reclosers for Alternating Current Systems above 1000 V

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

PC37.81

Guide for Seismic Qualification of Class 1E Metal-Enclosed Power Switchgear Assemblies

Recommendation: Approve PAR for the revision of a standard until December 2027. (Abstain=1 [Edwards])

PC37.82

Standard for the Qualification of Switchgear Assemblies for Class 1E Applications in Nuclear Power Generating Stations

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

IEEE Power and Energy Society/Transformers

PC57.12.36

Standard Requirements for Liquid-Immersed Distribution Substation Transformers

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

PC57.158

Guide for the Application of Tertiary and Stabilizing Windings in Power Transformers

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

IEEE SA Board of Governors/SCC20 - Test and Diagnosis for Electronic Systems**P1671**

Standard for Automatic Test Markup Language (ATML) for Exchanging Automatic Test Equipment and Test Information via eXtensible Markup Language

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