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

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
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])

**IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee**
**P3389**
**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**
**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/Cor1**
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**

**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.