

IEEE SA Standards Board New Standards Committee (NesCom) Recommendations

[SASB approval date: 16-Jun-2022]

[All votes unanimous unless noted otherwise.]

Withdrawal Requests

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P2799

Standard for Confirming and Conveying Identity Over the Internet

Recommendation: Approve PAR withdrawal

Modified PARs

IEEE Power and Energy Society/Insulated Conductors

P2789

Guide for the Selection and Application of Cables Used in Enclosed Transit Infrastructure

Recommendation: Approve modified PAR

IEEE Reliability Society/IEEE Reliability

P3106

Standard for Telecommunication System Reliability Indices

Recommendation: Approve modified PAR

Extension Requests

IEEE Computer Society/Learning Technology

P9274.1.1

JavaScript Object Notation (JSON) Data Model Format and Representational State Transfer (RESTful) Web Service for Learner Experience Data Tracking and Access

Recommendation: Approve request for an extension until December 2023

IEEE Computer Society/Standards Activities Board

P1599

Recommended Practice for the Definition of a Multilayer Representation of Music Using eXtensible Markup Language (XML)

Recommendation: Approve request for an extension until December 2024

P2796

Standard for Framework for the Internet of Food (IoF)

Recommendation: Approve request for an extension until December 2024

P2796.1

Standard for Data Requirements for Internet of Food (IoF) Systems

Recommendation: Approve request for an extension until December 2024

P2796.2

Standard for Data Exchange Architecture and Interface Requirements for Internet of Food (IoF) Systems

Recommendation: Approve request for an extension until December 2024

IEEE Computer Society/Test Technology

P1687.2

Standard for Describing Analog Test Access and Control

Recommendation: Approve request for an extension until December 2024

P2427

Standard for Analog Defect Modeling and Coverage

Recommendation: Approve request for an extension until December 2023

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2795

Standard for Shared Analytics Across Secure and Unsecured Networks

Recommendation: Approve request for an extension until December 2025

IEEE Power and Energy Society/Insulated Conductors

P2789

Guide for the Selection and Application of Cables Used in Transit Infrastructure

Recommendation: Approve request for an extension until December 2025

**IEEE Power and Energy Society/Power System Communications and Cybersecurity
P1815**

Standard for Electric Power Systems Communications-Distributed Network Protocol (DNP3)

Recommendation: Approve request for an extension until December 2025

PC37.118.2

Standard for Synchrophasor Data Transfer for Power Systems

Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Transformers

PC57.168

Guide for Low Frequency Dielectric Testing for Distribution, Power and Regulating Transformers

Recommendation: Approve request for an extension until December 2023

New PARs

IEEE Communications Society/Access and Core Networks Standards Committee

P1942.1

Standard for Massive Multiple Input Multiple Output (MIMO) Architectural Framework

Recommendation: Approve new PAR until December 2026

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

P1943

Standard for Post-Quantum Network Security

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Artificial Intelligence Standards Committee

P3181

Standard for Trusted Environment Based Cryptographic Computing

Recommendation: Approve new PAR until December 2026

P3187

Guide for Framework for Trustworthy Federated Machine Learning

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Blockchain and Distributed Ledgers

P3224

Standard for Blockchain-based Green Power Identification Application

Recommendation: Approve new PAR until December 2026

P3225

Standard for Using Blockchain in Low Carbon Zones Evaluation

Recommendation: Approve new PAR until December 2026 (13 approve, 0 disapprove, 1 abstain [Hiertz])

P3226

Standard for Trusted Data Circulation based on Blockchain and Distributed Ledger Technologies (DLT)

Recommendation: Approve new PAR until December 2026 (5 approve, 4 disapprove, 5 abstain)

IEEE Computer Society/Data Compression Standards Committee

P2941.2

Standard for Application Programming Interface (API) of Deep Learning Inference Engine

Recommendation: Approve new PAR until December 2026

P3184

Standard for Data Framework for Autonomous Driving

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Design Automation

P3164

Standard for Security Annotation for Electronic Design Integration

Recommendation: Approve new PAR until December 2026 (13 approve, 0 disapprove, 1 abstain [Hiertz])

IEEE Computer Society/Smart Manufacturing Standards Committee

P3179

Recommended Practice for Digital Mine Construction

Recommendation: Approve new PAR until December 2026

P3180

Guide for Mould Management Based on Internet of Things and Cloud Computing

Recommendation: Approve new PAR until December 2026

IEEE Engineering in Medicine and Biology Society/Standards Committee

P3173

Standard for Endocrine Disrupting Chemical Hazard Labelling

Recommendation: Approve new PAR until December 2026

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee
P2805.4

Standard for Edge Collaboration Protocols for Federated Learning

Recommendation: Approve new PAR until December 2026

P3178

Standard for General Requirements and Protocols for Software-defined Physical Layer of Wireless Backscatter Networks

Recommendation: Approve new PAR until December 2026

IEEE Photonics Society/Standards Committee

P3186

Standard for a Port Interface Representing Photonic Signals Using Simulation Program with Integrated Circuit Emphasis (SPICE)-class Circuit Simulators

Recommendation: Approve new PAR until December 2026

IEEE Robotics and Automation Society/Standing Committee for Standards

P3177

Standard for a Modular Framework for a Robotically Assisted Surgical System

Recommendation: Approve new PAR until December 2026

IEEE Vehicular Technology Society/High Speed Train and Maglev Standards Committee

P3143

Standard for Electrical Transmission System for Short Stator Magnetic Levitation Vehicle

Recommendation: Approve new PAR until December 2026

IEEE Vehicular Technology Society/Traction Power Systems Standards Committee

P3175

Guide for Stray Current Corrosion Mitigation for Direct Current (DC) Rail Transit Systems

Recommendation: Approve new PAR until December 2026

PARs for the Revision of Standards

IEEE Computer Society/Standards Activities Board

P1680.2

Standard for Environmental Assessment of Imaging Equipment

Recommendation: Approve PAR for the revision of a standard until December 2026

P1680.3

Standard for Environmental Assessment of Televisions

Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Computer Society/Test Technology

P1149.1

Standard for Test Access Port and Boundary-Scan Architecture

Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Industry Applications Society/Industrial & Commercial Power Systems Standards Development Committee

P3004.1

Recommended Practice for the Application of Instrument Transformers in Industrial and Commercial Power Systems

Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P1692

Guide for the Protection of Communication Installations from Lightning Effects

Recommendation: Approve PAR for the revision of a standard until December 2026

PC93.4

Standard for Power Line Carrier Line-Tuning Equipment (30 kHz to 500 kHz) Associated with Power Transmission Lines

Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Power and Energy Society/Surge Protective Devices/High Voltage

PC62.92.6

Guide for Application of Neutral Grounding in Electrical Utility Systems, Part VI--Systems Supplied by Current-Regulated Sources

Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Power and Energy Society/Transformers

PC57.12.59

Guide for Dry-Type Transformer Through-Fault Current Duration

Recommendation: Approve PAR for the revision of a standard until December 2026

PC57.135

Guide for the Application, Specification, and Testing of Phase-Shifting Transformers

Recommendation: Approve PAR for the revision of a standard until December 2026

PC57.138

Recommended Practice for Routine Impulse Tests for Distribution Transformers

Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P1482.1

Standard for Rail Transit Vehicle Event Recorders

Recommendation: Approve PAR for the revision of a standard until December 2026

Standards Committee Changes

Current Standards Committee for the following Standard: VT/RTSC; New Standards Committee: VT/TPSSC

IEEE Std 2657-2021 'Guide on Energy Feedback Systems for DC Traction Power Supply System'

Current Standards Committee for the following PAR: VT/RTSC; New Standards Committee: VT/ITS

P1482.1 'Standard for Rail Transit Vehicle Event Recorders'