IEEE SA Standards Board New Standards Committee (NesCom) Recommendations

[SASB approval date: 25-Mar-2021]
[All votes unanimous unless noted otherwise.]

Modified PARs

IEEE Computer Society/Smart Manufacturing Standards Committee
P2975
Standard for Industrial Artificial Intelligence (AI) Data Attributes
Recommendation: Approve modified PAR

IEEE Industry Applications Society/Petroleum & Chemical Industry
P1349
Guide for the Application of Electric Machines in Zone 2 and Class I, Division 2 Hazardous (Classified) Locations
Recommendation: Approve modified PAR

IEEE Microwave Theory and Techniques Society/Standards Coordinating Committee
P1765
Recommended Practice for Estimating the Uncertainty in Error Vector Magnitude of Measured Digitally Modulated Signals for Wireless Communications
Recommendation: Approve modified PAR

IEEE Power and Energy Society/Nuclear Power Engineering
P845
Guide for the Evaluation of Human-System Performance in Nuclear Power Generating Stations and Other Nuclear Facilities
Recommendation: Approve modified PAR

IEEE Power and Energy Society/Substations
P1264
Guide for Animal Mitigation for Electric Power Supply Substations
Recommendation: Approve modified PAR

Extension Requests

IEEE Power and Energy Society/Energy Storage & Stationary Battery Committee
P1491
Recommended Practice for Battery Monitoring in Stationary Applications
Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Power System Communications and Cybersecurity
P1686
Standard for Intelligent Electronic Devices Cyber Security Capabilities
Recommendation: Approve request for an extension until December 2022

PC37.118.2
Standard for Synchrophasor Data Transfer for Power Systems
Recommendation: Approve request for an extension until December 2022

PC37.240
Standard Cybersecurity Requirements for Power System Automation, Protection and Control Systems
Recommendation: Approve request for an extension until December 2023

IEEE Power Electronics Society/Standards Committee
P2004
Hardware-in-the-Loop (HIL) Simulation Based Testing of Electric Power Apparatus and Controls
Recommendation: Approve request for an extension until December 2023

New PARs

IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee
P1900.8
Standard for Training, Testing, and Evaluating Machine-Learned Spectrum Awareness Models
Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Artificial Intelligence Standards Committee
P2986
Recommended Practice for Privacy and Security for Federated Machine Learning

Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Blockchain and Distributed Ledgers
P3217
Standard for Application Interface Specification for Blockchain Systems
Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Cybersecurity and Privacy Standards Committee
P2989
Standard for Authentication in a Multi-server Environment
Recommendation: Approve new PAR until December 2025 (6 approve, 0 disapprove, 4 abstain [Fathy, Hiertz, Hong, Wei])

IEEE Computer Society/Data Compression Standards Committee
P2941.1
Standard for Operator Interfaces of Artificial Intelligence
Recommendation: Approve new PAR until December 2025

IEEE Computer Society/LAN/MAN Standards Committee
P802.1ASdr
Standard for Local and Metropolitan Area Networks--Timing and Synchronization for Time-Sensitive Applications
Amendment: Inclusive Terminology
Recommendation: Approve new PAR until December 2025

P802.3dd
Standard for Ethernet
Amendment: Maintenance #17: Power over Data Lines of Single Pair Ethernet
Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Learning Technology
P9274.2.1
Standard for JavaScript Object Notation for Linked Data (JSON-LD) for Application Profiles of Learner Experience Data
Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Standards Activities Board
P2807.4
Guide for Scientific Knowledge Graphs
Recommendation: Approve new PAR until December 2025

IEEE Engineering in Medicine and Biology Society/Standards Committee
P1847.1
Recommended Practice for Location Accuracy User Acceptance Test for Location Services for Healthcare
Recommendation: Approve new PAR until December 2025

P4006
Standard for Remote Sensing Frequency Band Radio Frequency Interference (RFI) Impact Assessment
Recommendation: Approve new PAR until December 2025

IEEE Instrumentation and Measurement Society/TC45 - Radiation and Nuclear Instrumentation and Systems
PN42.22
Standard for Traceability of Radioactive Sources to National Institute of Standards and Technology (NIST) and Associated Instrument Quality Control
Recommendation: Approve new PAR until December 2025

PN42.23
Standard for Measurement and Associated Instrument Quality Assurance for Radioassay Laboratories
Recommendation: Approve new PAR until December 2025

PN42.43
Standard for Mobile Radiation Monitors for Homeland Security
Recommendation: Approve new PAR until December 2025

PN42.61
Standard for Radiation Data Format for Streaming in Real-Time Data from Radiation Detection Instruments to a Smartphone or Tablet
Recommendation: Approve new PAR until December 2025

PN42.62
Standard for Passive Radiation Imaging Systems
Recommendation: Approve new PAR until December 2025

PN42.63
Recommended Practice for Unmanned Aerial Radiation Measurement Systems (UARaMS)
Recommendation: Approve new PAR until December 2025

IEEE Power and Energy Society/Substations
PC37.430.10
Standard Definitions for Flexible Alternating Current Transmission Systems (FACTS) and High Voltage Direct Current (HVDC) Stations
Recommendation: Approve new PAR until December 2025

IEEE Power Electronics Society/Standards Committee
P2988
Recommended Practice for Use and Functions of Virtual Synchronous Machines
Recommendation: Approve new PAR until December 2025

PARs for the Revision of Standards

IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee
P1900.1
Standard for Definitions and Concepts for Dynamic Spectrum Access: Terminology Relating to Emerging Wireless Networks, System Functionality, and Spectrum Management
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Computer Society/Design Automation
P1685
Standard for IP-XACT, Standard Structure for Packaging, Integrating, and Reusing IP within Tool Flows
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Engineering in Medicine and Biology Society/Standards Committee
P1847
Recommended Practice for Common Framework of Location Services for Healthcare
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Nuclear Power Engineering
P933
Guide for the Definition of Reliability Program Plans for Nuclear Generating Stations and Other Nuclear Facilities
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Power System Communications and Cybersecurity
P61850-9-3
61850-9-3, Edition 2: Communication networks and systems for power utility automation – Part 9-3: Precision time protocol profile for power utility automation
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Power System Relaying and Control
PC37.239
Standard for Common Format for Event Data Exchange (COMFEDE) for Power Systems
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Transmission and Distribution
P1808
Guide for Collecting and Managing Transmission Line Inspection and Maintenance Data
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power Electronics Society/Standards Committee
P61007-389
Standard for Transformers and Inductors for use in Electronic and Telecommunication Equipment - Measuring Methods and Test Procedures
Recommendation: Approve PAR for the revision of a standard until December 2025

Standards Committee Changes

3652.1 'Guide for Architectural Framework and Application of Federated Machine Learning'

Current Standards Committee for the project: C/LT; New Standards Committee: C/AISC

P2894 'Guide for an Architectural Framework for Explainable Artificial Intelligence'

P2961 'Guide for an Architectural Framework and Application for Collaborative Edge Computing'

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