

NesCom Recommendations

IEEE-SA Standards Board New Standards Committee (NesCom) Recommendations **[SASB approval date: 27-Sep-2018]**

[All votes unanimous unless noted otherwise.]

Withdrawal Requests

IEEE Computer Society/Standards Activities Board

P1680.4

Standard for Environmental Leadership and Corporate Social Responsibility Assessment of Servers
Recommendation: Approve PAR withdrawal

IEEE Industry Applications Society/Petroleum & Chemical Industry

P515-2017/Cor 1

Standard for the Testing, Design, Installation, and Maintenance of Electrical Resistance Trace Heating for Industrial Applications - Corrigendum 1
Recommendation: Approve PAR withdrawal

Withdrawal Requests

IEEE Communications Society/Power Line Communications

P1901.3

Standard for Power Line Communications for Internet of Things Applications
Recommendation: Conditionally approve PAR withdrawal; contingent upon approval of P1901a

Modified PARs

IEEE-SA Board of Governors/Corporate Advisory Group

P2777

Guide for Operation of 300MW ~ 600MW Pulverized Coal Fired Boiler
Recommendation: Approve modified PAR

IEEE Computer Society/LAN/MAN Standards Committee

P802.1Qcr

Standard for Local and metropolitan area networks--Bridges and Bridged Networks
Amendment: Asynchronous Traffic Shaping
Recommendation: Approve modified PAR

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2730

Standard for Classification, Terminologies, and Definitions of Medical Robots

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Switchgear

PC37.100.1

Standard of Common Requirements for High Voltage Power Switchgear Rated Above 1000 V

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Transmission and Distribution

P2655

Atmospheric Above Grade Inspection and Assessment of Corrosion on Steel Electrical Transmission, Distribution, and Substation Structures

Recommendation: Approve modified PAR

IEEE-SASB Coordinating Committees/SCC39 - International Committee on Electromagnetic Safety

P1528

Measurement Procedures for the Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields From Hand-Held and Body-Worn Wireless Communication Devices (Frequency Range of 4 MHz to 10 GHz)

Recommendation: Approve modified PAR

Extension Requests

IEEE Computer Society/Design Automation

P1076

Standard for VHDL Language Reference Manual

Recommendation: Approve request for an extension until December 2019

IEEE Computer Society/LAN/MAN Standards Committee

P802.1CF

Recommended Practice for Network Reference Model and Functional Description of IEEE 802 Access Network

Recommendation: Approve request for an extension until December 2020

P802.11ax

Standard for Information Technology -- Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks -- Specific Requirements Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications Amendment Enhancements for High Efficiency WLAN

Recommendation: Approve request for an extension until December 2020

P802.15.7

Standard for Short-Range Optical Wireless Communications

Recommendation: Approve request for an extension until December 2019

IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee

P1900.1

Standard Definitions and Concepts for Dynamic Spectrum Access: Terminology Relating to Emerging Wireless Networks, System Functionality, and Spectrum Management

Recommendation: Approve request for an extension until December 2019

P1900.6b

Standard for Spectrum Sensing Interfaces and Data Structures for Dynamic Spectrum Access and other Advanced Radio Communication Systems. Spectrum Database Interfaces Amendment

Recommendation: Approve request for an extension until December 2019

IEEE Communications Society/Standards Development Board

P269

Standard for Measuring Electroacoustic Performance of Communication Devices

Recommendation: Approve request for an extension until December 2019

IEEE Engineering in Medicine and Biology Society/Standards Committee

P1847

Recommended Practice for Common Framework of Location Services (LS) for Healthcare

Recommendation: Approve request for an extension until December 2020

P3333.2.2

Standard for Three-Dimensional (3D) Medical Visualization

Recommendation: Approve request for an extension until December 2020

P3333.2.3

Standard for Three-Dimensional (3D) Medical Data Management

Recommendation: Approve request for an extension until December 2020

P3333.2.4

Standard for Three-Dimensional (3D) Medical Simulation

Recommendation: Approve request for an extension until December 2020

IEEE Instrumentation and Measurement Society/TC10 - Waveform Generation Measurement and Analysis

P2414

Standard for Jitter and Phase Noise

Recommendation: Approve request for an extension until December 2019

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

P484

Recommended Practice for Installation Design and Installation of Vented Lead-Acid Batteries for Stationary Applications

Recommendation: Approve request for an extension until December 2020

IEEE Power and Energy Society/Insulated Conductors

P400.3

Guide for Partial Discharge Field Diagnostic Testing of Shielded Power Cable Systems

Recommendation: Approve request for an extension until December 2020

P532

Guide for Selecting and Testing Jackets for Power, Instrumentation, and Control Cables

Recommendation: *Approve request for an extension until December 2019*

P1202

Standard for Testing Flame-Propagation and Smoke Generation of Cable or Splices/Connectors

Recommendation: *Defer request for an extension until the next NesCom Meeting to resolve open comments about the PAR*

P2412

Standard Test for Determining Circuit Integrity Performance of Fire Resistive Cable Systems in Passenger Rail and Road Tunnels

Recommendation: *Approve request for an extension until December 2020*

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

PC62.22

Guide for the Application of Metal-Oxide Surge Arresters for Alternating-Current Systems

Recommendation: *Approve request for an extension until December 2020*

PC62.82.2

Guide for the Application of Insulation Coordination

Recommendation: *Approve request for an extension until December 2020*

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

PC62.72a

Guide for the Application of Surge Protective Devices for Low Voltage (1000 Volts or Less) AC Power Circuits

Amendment: SPD Disconnector Application Considerations and Coordination for use in Low Voltage AC (1000 V or Less, 50 or 60 Hz) Power Circuits

Recommendation: *Approve request for an extension until December 2020*

PC62.230

Guide for Surge Protection of Electric Vehicle Infrastructure

Recommendation: *Approve request for an extension until December 2020*

IEEE Power and Energy Society/Switchgear

PC37.100.1

Standard of Common Requirements for High Voltage Power Switchgear Rated Above 1000 V

Recommendation: *Approve request for an extension until December 2020*

New PARs

IEEE Aerospace and Electronic Systems Society/Radar Systems Panel

P521a

Standard Letter Designations for Radar-Frequency Bands Amendment: Updating Letter Designations and Extensions of Frequency Range

Recommendation: Conditionally approve new PAR until December 2022; contingent upon the amendment title being expanded to describe the amendment

NB: The condition has been met.

IEEE-SA Board of Governors/Corporate Advisory Group

P2418.5

Standard for Blockchain in Energy

Recommendation: Approve new PAR until December 2022

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P2799

Standard for Confirming and Conveying Identity Over the Internet

Recommendation: Conditionally approve new PAR until December 2022; contingent upon the Working Group Chair information being applied to the PAR

NB: The condition has been met.

IEEE Computer Society/LAN/MAN Standards Committee

P802.1Qcz

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

Amendment: Congestion Isolation

Recommendation: Approve new PAR until December 2022

P802.1Qdd

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

Amendment: Resource Allocation Protocol

Recommendation: Approve new PAR until December 2022

P802.3cn

Standard for Ethernet

Amendment: Physical Layers and Management Parameters for 50 Gb/s, 100 Gb/s, 200 Gb/s, and 400 Gb/s Operation over Single-Mode Fiber and DWDM (dense wavelength division multiplexing) systems

Recommendation: Approve new PAR until December 2022

P802.3cq

Standard for Ethernet

Amendment: Maintenance #13: Power over Ethernet over 2 pairs

Recommendation: Approve new PAR until December 2022

P802.3cr

Standard for Ethernet

Amendment: Maintenance #14: Isolation

Recommendation: Approve new PAR until December 2022

IEEE Computer Society/Standards Activities Board

P1680.1a

Standard for Environmental and Social Responsibility Assessment of Computers and Displays

Amendment

Recommendation: Approve new PAR until December 2022

P2796

Standard for Framework for the Internet of Food (IoF)

Recommendation: Approve new PAR until December 2022

P2796.1

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

Recommendation: Approve new PAR until December 2022

P2796.2

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

Recommendation: Approve new PAR until December 2022

IEEE Communications Society/Power Line Communications

P1901a

Standard for Broadband over Power Line Networks: Medium Access Control and Physical Layer Specifications

Amendment: Enhancement for Internet of Things applications

Recommendation: Approve new PAR until December 2022

IEEE Dielectrics and Electrical Insulation Society/Standards Committee

P2652

DC Inclined Plane Tracking and Erosion Test for Outdoor Insulation Applications

Recommendation: Approve new PAR until December 2022

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2418.6

Standard for the Framework of Distributed Ledger Technology (DLT) Use in Healthcare and the Life and Social Sciences

Recommendation: Approve new PAR until December 2022

P2731

Standard for a Unified Terminology for Brain-Computer Interfaces

Recommendation: Approve new PAR until December 2022

P2794

Standard for Reporting of In Vivo Neural Interface Research

Recommendation: Approve new PAR until December 2022

P2795

Standard for Shared Analytics Across Secure and Unsecured Networks

Recommendation: Approve new PAR until December 2022

P3333.2.5.1

Standard for Soft Tissue Modeling for Medical 3D Printing

Recommendation: Approve new PAR until December 2022

P3333.2.5.2

Standard for Hard Tissue Modeling for 3D Printing

Recommendation: Approve new PAR until December 2022

P3333.2.5.3

Standard for Surgical Guide Design Modeling for Medical 3D Printing

Recommendation: Approve new PAR until December 2022

P3333.2.5.4

Standard for Artificial Joint Implant Design Modeling for Medical 3D Printing

Recommendation: Approve new PAR until December 2022

P3333.2.5.5

Standard for In Vivo Evaluation of 3D Printed Polymeric scaffolds in bone defects

Recommendation: Approve new PAR until December 2022

IEEE Industry Applications Society/Technical Books Coordinating Committee

P3006.1

Recommended Practice for Reliability Planning and Design of Industrial and Commercial Power Systems

Recommendation: Approve new PAR until December 2022

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

P2735

Standard for Interoperability of Complex Virtual Instruments for Internet of Things

Recommendation: Approve new PAR until December 2022

P2735.1

Standard Design Criteria of Complex Virtual Instruments for Household Appliance Test

Recommendation: Approve new PAR until December 2022

IEEE Power and Energy Society/Energy Development & Power Generation

P2800

Standard for Interconnection and Interoperability of Inverter-Based Resources Interconnecting with Associated Transmission Electric Power Systems

Recommendation: Approve new PAR until December 2022

P2800.1

Guide for Test and Verification Procedures for Inverter-Based Resources Interconnecting with Associated Transmission Electric Power Systems

Recommendation: Approve new PAR until December 2022

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

P2686

Recommended Practice for Battery Management Systems in Energy Storage Applications

Recommendation: Approve new PAR until December 2022

IEEE Power and Energy Society/Insulated Conductors

P2789

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

Recommendation: Approve new PAR until December 2022

IEEE Power and Energy Society/Nuclear Power Engineering

P61226

Nuclear power plants - Instrumentation and control systems important to safety - Classification of instrumentation and control functions

Recommendation: Approve new PAR until December 2022

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P2664

Standard for Streaming Telemetry Transport Protocol

Recommendation: Approve new PAR until December 2022

IEEE Power and Energy Society/Power System Relaying and Control

P2030.12

Guide for the Design of Microgrid Protection Systems

Recommendation: Approve new PAR until December 2022

IEEE Power and Energy Society/Substations

PC37.122.7

Guide for Field Testing of Gas-Insulated Substations Rated above 52 kV

Recommendation: Approve new PAR until December 2022

IEEE Power and Energy Society/Switchgear

P2682

Guide for the Evaluation of Performance Characteristics of Non-Sulfur Hexafluoride Insulation and Arc Quenching Media for Switchgear Rated Above 1000 V

Recommendation: Approve new PAR until December 2022

PC37.24-2017/Cor 1

Guide for Evaluating the Effect of Solar Radiation on Outdoor Metal-Enclosed Switchgear
- Corrigendum 1

Recommendation: Approve new PAR until December 2022

IEEE Power and Energy Society/Transmission and Distribution

P2683

Guide to Strength Loss in Tubular Steel Poles

Recommendation: Approve new PAR until December 2022

P2747

Requirements for Energy Consumption Test and Energy Saving Technology Evaluation of Electric Power Fittings
Recommendation: Defer new PAR until the next NesCom meeting due to lack of Sponsor authorization

P2772

Test Method for Energy Loss of Overhead Conductors

Recommendation: Defer new PAR until the next NesCom meeting due to lack of Sponsor authorization

IEEE Power and Energy Society/Transformers

PC57.12.200

Guide for the Frequency Domain Spectroscopy Measurement of Transformer Bushings

Recommendation: Approve new PAR until December 2022

PARs for the Revision of Standards

IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee

P1900.2

Recommended Practice for the Analysis of In-Band and Adjacent Band Interference and Coexistence Between Radio Systems

Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Communications Society/Edge, Fog, Cloud Communications with IOT and Big Data Standards Committee

P2410

Standard for Biometric Open Protocol

Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Power and Energy Society/Insulated Conductors

P1235

Guide for Identification Markings on the Jackets of Underground Power Cables and Ducts

Recommendation: Approve PAR for the revision of a standard until December 2022

PC62.22.1

Guide for Connection of Surge Arresters to Protect Insulated Shielded Electric Power Cable Systems Up to 46 kV

Recommendation: Defer PAR for the revision of a standard until the next NesCom meeting to resolve open comments about the PAR

IEEE Power and Energy Society/Nuclear Power Engineering

P7-4.3.2

Standard Criteria for Programmable Digital Devices in Safety Systems of Nuclear Power Generating Stations

Recommendation: Approve PAR for the revision of a standard until December 2022

P338

Standard for Criteria for the Periodic Surveillance Testing of Nuclear Power Generating Station Safety Systems

Recommendation: Approve PAR for the revision of a standard until December 2022

P420

Standard for the Design and Qualification of Class 1E Control Boards, Panels, and Racks Used in Nuclear Power Generating Stations

Recommendation: Approve PAR for the revision of a standard until December 2022

P692

Standard Criteria for Security Systems for Nuclear Power Generating Stations

Recommendation: Approve PAR for the revision of a standard until December 2022

P62582-1

Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 1: General

Recommendation: Approve PAR for the revision of a standard until December 2022

P62582-2

Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 2: Indenter measurements

Recommendation: Approve PAR for the revision of a standard until December 2022

P62582-4

Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 4: Oxidation induction techniques

Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Power and Energy Society/Power System Relaying and Control

PC37.106

Guide for Abnormal Frequency Protection for Power Generating Plants

Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Power and Energy Society/Substations

P1534

Recommended Practice for Specifying Thyristor-Controlled Series Capacitors

Recommendation: Approve PAR for the revision of a standard until December 2022

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 2022

IEEE Power and Energy Society/Transformers

PC57.98

Guide for Transformer Impulse Tests

Recommendation: Approve PAR for the revision of a standard until December 2022

PC57.154

Standard for Liquid-Immersed Transformers Designed to Operate at Temperatures Above Conventional Limits Using High-Temperature Insulation Systems.

Recommendation: *Approve PAR for the revision of a standard until December 2022*

IEEE Ultrasonics, Ferroelectrics and Frequency Control Society/IEEE Ultrasonics, Ferroelectrics and Frequency Control

P1193

Guide for Measurement of Environmental Sensitivities of Frequency Standards

Recommendation: *Approve PAR for the revision of a standard until December 2022*

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P1474.2

Standard for User Interface Requirements in Communications-Based Train Control (CBTC) Systems

Recommendation: *Defer PAR for the revision of a standard until the next NesCom meeting to resolve open comments about the PAR*

P1474.3

Recommended Practice for Communications-Based Train Control (CBTC) System Design and Functional Allocations

Recommendation: *Defer PAR for the revision of a standard until the next NesCom meeting to resolve open comments about the PAR*