IEEE Standards Association

NesCom Recommendations

IEEE-SA Standards Board New Standards Committee (NesCom) Recommendations

[All votes unanimous unless noted otherwise.]

Modified PARs

**IEEE Computer Society/LAN/MAN Standards Committee**

**P802.1CS**
Standard for Local and Metropolitan Area Networks -- Link-local Registration Protocol
*Recommendation: Approve modified PAR*

**P802.3ct**
Standard for Ethernet
Amendment: Physical Layers and Management Parameters for 100 Gb/s Operation over DWDM (dense wavelength division multiplexing) systems
*Recommendation: Approve modified PAR*

**IEEE Computer Society/Software & Systems Engineering Standards Committee**

**P24774**
Systems and software engineering--Life cycle management--Specification for process description
*Recommendation: Approve modified PAR*

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

**P3002.9**
Recommended Practice for Conducting Transient Stability Studies and Analysis of Industrial and Commercial Power Systems
*Recommendation: Approve modified PAR*

**P3003.5**
Recommended Practice for Connections to Earth for Alternating Current (AC) Industrial and Commercial Power Systems Facilities
*Recommendation: Approve modified PAR*

**IEEE Industry Applications Society/Petroleum & Chemical Industry**

**P303**
Recommended Practice for Auxiliary Devices for Rotating Electrical Machines in Class I, Division 2 and Zone 2 Locations and Class II, Division 2 and Zone 22 Locations
*Recommendation: Approve modified PAR*

**P841**
Standard for Petroleum and Chemical Industry--Premium-Efficiency, Severe-Duty, Totally Enclosed Squirrel Cage Induction Motors--0.75-370 kW (1-500 hp)
Recommendation: Approve modified PAR

IEEE Power and Energy Society/Insulated Conductors

P1235
Guide for Properties of Stripes and Ridges for Identification of Underground Power Cable Jackets and Ducts
Recommendation: Approve modified PAR

IEEE Power and Energy Society/Switchgear

PC37.121
Guide for Switchgear - Unit Substation - Requirements
Recommendation: Approve modified PAR

Extension Requests

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

PC95.3
Recommended Practice for Measurements and Computations of Electric, Magnetic and Electromagnetic Fields With Respect to Human Exposure to Such Fields, 0 Hz-300 GHz
Recommendation: Approve request for an extension until December 2021 (8 approve, 0 disapprove, 2 abstain [Berkema, Winston])

New PARs

IEEE SA Board of Governors/Corporate Advisory Group

P2857
Standard for Wireless Smart Utility Network Field Area Network (FAN)
Recommendation: Approve new PAR until December 2024

IEEE Computer Society/LAN/MAN Standards Committee

P802.1AEdk
Standard for Local and metropolitan area networks-Media Access Control (MAC) Security Amendment 4: MAC Privacy protection
Recommendation: Approve new PAR until December 2024

P802.3cw
Standard for Ethernet Amendment: Physical Layers and Management Parameters for 400 Gb/s Operation over DWDM (dense wavelength division multiplexing) systems
Recommendation: Approve new PAR until December 2024

P802.3cx
Standard for Ethernet Amendment: Media Access Control (MAC) service interface and management parameters to support improved Precision Time Protocol (PTP) timestamping accuracy
Recommendation: Approve new PAR until December 2024
P802.16t
Standard for Air Interface for Broadband Wireless Access Systems
Amendment - Fixed and Mobile Wireless Access in Narrowband Channels
Recommendation: Approve new PAR until December 2024

P802f
Standard for Local and Metropolitan Area Networks: Overview and Architecture
Amendment: YANG Data Model for EtherTypes
Recommendation: Approve new PAR until December 2024

IEEE Computer Society/Software & Systems Engineering Standards Committee

P24641
Methods and Tools for Model-based Systems and Software Engineering
Recommendation: Approve new PAR until December 2024

IEEE Computer Society/Standards Activities Board

P2807.2
Guide for Application of Knowledge Graphs for Financial Services
Recommendation: Approve new PAR until December 2024

P2858
Standard for Mini-program Architecture and Technical Requirements
Recommendation: Approve new PAR until December 2024

P2863
Recommended Practice for Organizational Governance of Artificial Intelligence
Recommendation: Approve new PAR until December 2024

IEEE Consumer Electronics Society/Blockchain Standards Committee

P2145
Standard Framework and Definitions for Blockchain Governance
Recommendation: Conditionally approve new PAR until December 2024; contingent upon changing the title to 'Standard for Framework and Definitions for Blockchain Governance'.

P2146.1
Standard for Entity-Based Risk Mutual Assistance Model through Blockchain Technology
Recommendation: Approve new PAR until December 2024

P2146.2
Standard for External Data Retrieval of Blockchain for Risk Mutual Assistance Model
Recommendation: Approve new PAR until December 2024

IEEE Consumer Electronics Society/Standards Committee

P2040
Standard for General Requirements for Fully Automated Vehicles Driving on Public Roads
Recommendation: Approve new PAR until December 2024

P2040.1
Taxonomy and Definitions for Connected and Automated Vehicles
Recommendation: Approve new PAR until December 2024

P2040.2
Recommended Practice for Multi-Input Based Decision Making of Automated Vehicles Driving on Public Roads
Recommendation: Approve new PAR until December 2024

P2040.3
Recommended Practice for Permitting Automated Vehicles to Drive on Public Roads
Recommendation: Approve new PAR until December 2024

P2859
Standard for Biometric Multi-modal Fusion
Recommendation: Approve new PAR until December 2024

P2861
Standard for Mobile Gaming Performance Evaluation and Optimization
Recommendation: Approve new PAR until December 2024

IEEE Dielectrics and Electrical Insulation Society/Standards Committee

P2862
Recommended Practice for Partial Discharge Measurements under AC Voltage with VHF/UHF Sensors during Routine Tests on Factory and Pre-moulded Joints of HVDC Extruded Cable Systems up to 800 kV
Recommendation: Approve new PAR until December 2024

IEEE Geoscience and Remote Sensing Society/Standards Committee

P4005
Standard Protocol and Scheme for Measuring Soil Spectroscopy
Recommendation: Approve new PAR until December 2024

IEEE Power and Energy Society/Electric Machinery

P1719
Guide for Evaluating Stator Cores of AC Electric Machines Rated 1 MVA and Higher
Recommendation: Approve new PAR until December 2024

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

PC62.38
Test Methods and preferred values for hybrid integrated circuit components containing gas discharge tube and metal oxide varistor technologies
Recommendation: Approve new PAR until December 2024

IEEE Power and Energy Society/Switchgear
PC37.04-2018/Cor 1
Standard for Ratings and Requirements for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V
- Corrigendum 1
Recommendation: Approve new PAR until December 2024

PC37.09-2018/Cor 1
Draft Standard Test Procedures for AC High-Voltage Circuit Breakers with Rated Maximum Voltage above 1000V
- Corrigendum 1
Recommendation: Approve new PAR until December 2024

PC37.016-2018/Cor 1
Standard for AC High Voltage Circuit Switchers Rated 15.5 kV through 245 kV
- Corrigendum 1
Recommendation: Approve new PAR until December 2024

IEEE Reliability Society/IEEE Reliability

P2818
Reliability Component Stress Analysis and Derating Specification
Recommendation: Approve new PAR until December 2024

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

P63184
Assessment methods of the human exposure to electric and magnetic fields from wireless power transfer systems - models, instrumentation, measurement and numerical methods and procedures
(Frequency range of 1 kHz to 30 MHz)
Recommendation: Approve new PAR until December 2024

IEEE Systems, Man, and Cybernetics Society/Standards Committee

P2852
Intelligent Assessment of Safety Risk for Overhead Transmission Lines Under Multiple Operating Conditions
Recommendation: Approve new PAR until December 2024

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.13
Wireless Access in Vehicular Environments - Reliable Data Transport Mechanisms for Multiple Receivers
Recommendation: Approve new PAR until December 2024

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P2853
Recommended Practice for Grounding of Traction Power Systems
Recommendation: Approve new PAR until December 2024

PARs for the Revision of Standards
IEEE Computer Society/Design Automation

P2416
Standard for Power Modeling to Enable System-Level Analysis
Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Computer Society/Standards Activities Board

P3333.1.1
Standard for Quality of Experience (QoE) and Visual-Comfort Assessments of Three-Dimensional (3D) Contents Based on Psychophysical Studies
Recommendation: Approve PAR for the revision of a standard until December 2024

P3333.1.2
Standard for the Perceptual Quality Assessment of Three Dimensional (3D), Ultra High Definition (UHD) and High Dynamic Range (HDR) Contents
Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Computer Society/Test Technology

P1450.6.2
Standard for Memory Modeling in Core Test Language
Recommendation: Approve PAR for the revision of a standard until December 2024

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

P3007.2
Recommended Practice for the Maintenance of Industrial and Commercial Power Systems
Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Electric Machinery

P95
Recommended Practice for Insulation Testing of AC Electric Machinery With High Direct Voltage
Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Insulated Conductors

P1215
Guide for the Application of Separable Insulated Connectors
Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Substations

P1267
Guide for Development of Specifications for Turnkey Substation Projects
Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Switchgear
PC37.100.1
Standard of Common Requirements for High Voltage Power Switchgear Rated Above 1000 V
Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Reliability Society/IEEE Reliability

P1413
Standard Framework for Reliability Prediction of Hardware
Recommendation: Approve PAR for the revision of a standard until December 2024
Standards Committee Change

Request to move the existing 1857 Working Group, including the following PARs and standards from the (current) C/SAB Standards Committee to the C/DC Standards Committee:

IEEE 1857-2013
IEEE 1857a-2014
IEEE 1857.2-2013
IEEE 1857.3-2013
IEEE 1857.4-2018
IEEE 1857.5-2015
IEEE 1857.6-2018
IEEE 1857.7-2018
IEEE P1857.8
IEEE P1857.9
IEEE P1857.10

PARs to be Administratively Withdrawn

P2025.1 (CES/SC)
Standard for Consumer Drones: Taxonomy and Definitions
(New PAR)

P2025.2 (CES/SC)
Standard for Consumer Drones: Privacy and Security
(New PAR)

P3030 (CES/SC)
Standard for Consumer 3D Printing: Overview and Architecture
(New PAR)

PARs to be Reinstated

PC62.11 (PE/SPDHV)
Standard for Metal-Oxide Surge Arresters for AC Power Circuits (> 1 kV)
(Revision PAR)

PC135.80-2012/Cor 1 (PE/T&D)
Standard for Fasteners for Overhead Line Construction - Corrigendum 1: Table 5 - Dimensions of Hex Nuts
(New PAR)

P1036 (PE/T&D)
Guide for the Application of Shunt Power Capacitors
(Revision PAR)