

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)