

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*

#### **P802.3cg**

Standard for Ethernet

Amendment: Physical Layer Specifications and Management Parameters for 10 Mb/s Operation and Associated Power Delivery over a Single Balanced Pair of Conductors

**Recommendation: Approve modified PAR**

#### **P802.22.3**

Standard for Spectrum Characterization and Occupancy Sensing

**Recommendation: Approve modified PAR**

*IEEE Computer Society/Standards Activities Board*

#### **P3079**

Standard for Head Mounted Display (HMD) Based Virtual Reality (VR) Sickness Reduction Technology

**Recommendation: Approve modified PAR**

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

#### **PC95.2**

Standard for Radio-Frequency Energy and Current-Flow Symbols

**Recommendation: Approve modified PAR**

### Extension Requests

*IEEE Computer Society/Design Automation*

#### **P2415**

Standard for Unified Hardware Abstraction and Layer for Energy Proportional Electronic Systems

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

#### **P2416**

Standard for Power Modeling to Enable System Level Analysis

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

*IEEE-SASB Coordinating Committees/SCC21 - Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage*

#### **P1547.1**

Standard Conformance Test Procedures for Equipment Interconnecting Distributed Energy Resources with Electric Power Systems and Associated Interfaces

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

## **New PARs**

*IEEE Computer Society/LAN/MAN Standards Committee*

### **P802.1CBcv**

Draft Standard for Local and metropolitan area networks -- Frame Replication and Elimination for Reliability Amendment: Information Model, YANG Data Model and Management Information Base Module

***Recommendation: Approve new PAR until December 2022***

### **P802.1CBdb**

Draft Standard for Local and metropolitan area networks -- Frame Replication and Elimination for Reliability Amendment: Extended Stream Identification Functions

***Recommendation: Approve new PAR until December 2022***

### **P802.1DC**

Quality of Service Provision by Network Systems

***Recommendation: Approve new PAR until December 2022***

### **P802.3ck**

Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for 100 Gb/s, 200 Gb/s, and 400 Gb/s Electrical Interfaces Based on 100 Gb/s Signaling

***Recommendation: Approve new PAR until December 2022***

### **P802.3cm**

Standard for Ethernet Amendment Physical Layer and Management Parameters for 400 Gb/s over Multimode Fiber

***Recommendation: Approve new PAR until December 2022***

### **P802.11bb**

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: Light Communications

***Recommendation: Approve new PAR until December 2022***

### **P802.15.4w**

Standard for Low-Rate Wireless Networks Amendment for a Low Power Wide Area Network (LPWAN) extension to the Low Energy Critical Infrastructure Monitoring (LECIM) Physical layer (PHY)

***Recommendation: Approve new PAR until December 2022***

### **P802.15.4x**

Standard for Low-Rate Wireless Networks Amendment Defining Enhancements to the Smart Utility Network (SUN) Physical Layers (PHYs) Supporting up to 2.4 Mb/s Data Rates

***Recommendation: Approve new PAR until December 2022***

### **P802.15.4y**

Standard for Low-Rate Wireless Networks Amendment Defining Support for Advanced Encryption Standard (AES)-256

Encryption and Security Extensions

**Recommendation: Approve new PAR until December 2022**

**P802.15.4z**

Standard for Low-Rate Wireless Networks Amendment: Enhanced High Rate Pulse (HRP) and Low Rate Pulse (LRP) Ultra Wide-Band (UWB) Physical Layers (PHYs) and Associated Ranging Techniques

**Recommendation: Approve new PAR until December 2022**

**P60802**

Time-Sensitive Networking Profile for Industrial Automation

**Recommendation: Approve new PAR until December 2022**

*IEEE Computer Society/Learning Technology*

**P7919.1**

Requirements for eReaders to Support Learning Applications

**Recommendation: Approve new PAR until December 2022**

**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 new PAR until December 2022**

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

**P12207-2**

Systems and Software Engineering -- Software Life Cycle Processes -- Part 2: Relation and Mapping Between ISO/IEC/IEEE 12207-1:2017 and ISO/IEC/IEEE 12207:2008

**Recommendation: Approve new PAR until December 2022**

*IEEE Computer Society/Standards Activities Board*

**P2418.2**

Standard Data Format for Blockchain Systems

**Recommendation: Approve new PAR until December 2022**

**P2418.3**

Standard for the Framework of Distributed Ledger Technology (DLT) Use in Agriculture

**Recommendation: Approve new PAR until December 2022**

*IEEE Computer Society/Simulation Interoperability Stds Organization/Stds Activity Committee*

**P1730.2**

Recommended Practice for Verification, Validation and Accreditation of a Distributed Simulation - an Overlay to the Distributed Simulation Engineering and Execution Process

**Recommendation: Approve new PAR until December 2022**

*IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee*

**P1900.5.2a**

Standard Method for Modeling Spectrum Consumption Amendment Adding Spectrum Consumption Model Schema  
**Recommendation: Approve new PAR until December 2022**

*IEEE Communications Society/Mobile Communication Networks Standards Committee*

**P2061**

Architecture for Low Mobility Energy Efficient Network for Affordable Broadband Access  
**Recommendation: Approve new PAR until December 2022**

*IEEE Geoscience and Remote Sensing Society/Standards Committee*

**P4001**

Standard for Characterization and Calibration of Ultraviolet through Shortwave Infrared (250 nm to 2500 nm) Hyperspectral Imaging Devices  
**Recommendation: Approve new PAR until December 2022**

**P4002**

Standard for Synthetic Aperture Radar Metadata Content  
**Recommendation: Approve new PAR until December 2022**

*IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee*

**P21451-1-6**

Standard for a Smart Transducer Interface for Sensors, Actuators, and Devices - Message Queue Telemetry Transport (MQTT) for Networked Device Communication  
**Recommendation: Approve new PAR until December 2022**

*IEEE Power and Energy Society/Insulated Conductors*

**P2761 (NB: The Sponsor removed P2761 from SASB consideration)**

Guide for Extending the Life of Cables in Nuclear Facilities  
**Recommendation: Approve new PAR until December 2022**

*IEEE Power and Energy Society/Smart Buildings, Loads and Customer Systems*

**P2781**

Guide for Load Modeling and Simulations for Power Systems  
**Recommendation: Approve new PAR until December 2022**

*IEEE Photonics Society/Standards Committee*

**P2066**

Safety Specification of Laser Transmission in High-Power Industrial Laser System  
**Recommendation: Approve new PAR until December 2022**

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

**P1528.7**

Guide to Assess the Electromagnetic Fields (EMF) Exposure of Internet of Things (IoT) Technologies/Solutions  
**Recommendation: Approve new PAR until December 2022**

*IEEE Society on Social Implications of Technology/Social Implications of Technology Standards Committee*

**P7013**

Inclusion and Application Standards for Automated Facial Analysis Technology

**Recommendation: Approve new PAR until December 2022**

*IEEE Vehicular Technology Society/Intelligent Transportation Systems*

**P2418.4**

Standard for the Framework of Distributed Ledger Technology (DLT) Use in Connected and Autonomous Vehicles (CAVs)

**Recommendation: Approve new PAR until December 2022**

**PARs for the Revision of Standards**

*IEEE Aerospace and Electronic Systems Society/Gyro Accelerometer Panel*

**P528**

Standard for Inertial Sensor Terminology

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

*IEEE Computer Society/Design Automation*

**P1666**

Standard for Standard SystemC Language Reference Manual

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

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

**P1012**

Standard for System, Software, and Hardware Verification and Validation

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

*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 PAR for the revision of a standard until December 2022**

*IEEE Power and Energy Society/Insulated Conductors*

**P1142**

Guide for the Selection, Testing, Application and Installation of 300 V to 500 kV Cables Having Radial-Moisture Barriers and/or Longitudinal Water Blocking

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

*IEEE Power and Energy Society/Nuclear Power Engineering*

**P308**

Standard Criteria for Class 1E Power Systems for Nuclear Power Generating Stations

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

**P741**

Standard for Criteria for the Protection of Class 1E Power Systems and Equipment in Nuclear Power Generating Stations

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

**P845**

Guide for the Evaluation of Human-System Performance in Nuclear Power Generating Stations

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

**P1023**

Recommended Practice for the Application of Human Factors Engineering to Systems, Equipment, and Facilities of Nuclear Power Generating Stations and Other Nuclear Facilities

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

*IEEE Power and Energy Society/Power System Relaying and Control*

**PC37.92**

Standard for Analog Inputs to Protective Relays From Electronic Voltage and Current Transducers

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

**PC37.104**

Guide for Automatic Reclosing on AC Distribution and Transmission Lines

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

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

**PC62.92.5**

Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part V-Transmission Systems and Subtransmission Systems

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

*IEEE Reliability Society/IEEE Reliability*

**P1413.1**

Guide for Selecting and Using Reliability Predictions Based on IEEE 1413

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

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

**P1528**

Recommended Practice for Measurement Procedures for the Assessment of Specific Absorption Rate (SAR) 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 PAR for the revision of a standard until December 2022***