

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

[SASB approval date: 21-Mar-2024]

[All votes unanimous unless noted otherwise.]

**PAR Number Change:** IEEE Instrumentation and Measurement Society/TC39 - Measurements in Power Systems (IM/MPS) has requested a project number change from P61869-105 to P61869-21.

### Modified PARs:

#### IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee **P1937.8**

Recommended Practice for Functional and Interface Specifications for Unmanned Aerial Vehicle (UAV) Cellular Communication Terminals

**Recommendation:** Approve modified PAR.

#### IEEE Computer Society/LAN/MAN Standards Committee **P802.11bf**

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 Wireless Local Area Network (WLAN) Sensing

**Recommendation:** Approve modified PAR.

#### IEEE Computer Society/Standards Activities Board Standards Committee **P3079.2**

Standard for Mixed Reality (MR) Framework for Motion Training

**Recommendation:** Approve modified PAR.

#### IEEE Instrumentation and Measurement Society/TC45 - Radiation and Nuclear Instrumentation and Systems **PN42.49.1**

Standard for Performance Criteria for Non-alarming Personal Emergency Radiation Detectors (PERDs) for Exposure Control

**Recommendation:** Approve modified PAR.

#### **PN42.61**

Standard for Data Format for Real-Time Streaming from Radiation Detection Instrument

**Recommendation:** Approve modified PAR.

#### IEEE Power and Energy Society/Insulated Conductors **P1186**

Recommended Practice for Applicability of Methods for the Evaluation of Low-Voltage and Medium-Voltage Installed Cable Systems in Nuclear Facilities

**Recommendation:** Approve modified PAR.

#### IEEE SA Board of Governors/Strategic and Emerging Standards Committee **P3400**

Standard for Use of Inclusive Language in Technical Terminology and Communications

**Recommendation:** Approve modified PAR.

### Extension Requests

#### IEEE Computer Society/Standards Activities Board Standards Committee **P3079.2**

Mixed Reality (MR) Standard Framework for Motion Learning

**Recommendation:** Approve request for an extension until 31 December 2026.

### New PARs

#### IEEE Circuits and Systems Society/Integrated Circuit Design and Test for Emerging Circuits and Systems Standards Committee **P3468**

Standard for Chiplet Interface Circuit

**Recommendation:** Approve new PAR until December 2028.

#### IEEE Communications Society/Edge, Fog, Cloud Communications with IOT and Big Data Standards Committee **P1946**

Standard for Self-Healing Global Positioning System (GPS) Signals

**Recommendation:** Approve new PAR until December 2028.

## **IEEE Communications Society/Power Line Communications**

### **P2030.5-2023/Cor 1**

IEEE Approved Draft Standard for Smart Energy Profile Application Protocol - Corrigendum 1

**Recommendation:** Approve new PAR until December 2028.

## **IEEE Communications Society/Virtualized and Software Defined Networks, and Services Standards Committee**

### **P1947**

Standard for Quantum Cybersecurity Framework

**Recommendation:** Approve new PAR until December 2028.

## **IEEE Computer Society/Artificial Intelligence Standards Committee**

### **P3462**

Recommended Practice for Using Safety by Design in Generative Models to Prioritize Child Safety

**Recommendation:** Approve new PAR until December 2028.

## **IEEE Computer Society/Design Automation**

### **P1666-2023/Cor 1**

IEEE Standard for Standard SystemC® Language Reference Manual - Corrigendum 1

**Recommendation:** Approve new PAR until December 2028.

## **IEEE Computer Society/Functional Safety Standards Committee**

### **P2851.1**

Standard for the Enablement of Functional Safety Interoperability with Reliability

**Recommendation:** Approve new PAR until December 2028.

## **IEEE Computer Society/Knowledge Engineering Standards Committee**

### **P2807.11**

Guide for Production Oriented Knowledge Graph in Petroleum and Chemical Industry

**Recommendation:** Approve new PAR until December 2028.

### **P2807.12**

Standard for Technical Requirements for General Knowledge Services Based on Knowledge Graphs

**Recommendation:** Approve new PAR until December 2028.

### **P2807.13**

Guide for Integration Framework among Large-Scale Pre-Trained Model and Knowledge Graphs

**Recommendation:** Approve new PAR until December 2028.

### **P3460**

Guide for a Framework for Auxiliary Decision-Making Systems in Power Grid Operations

**Recommendation:** Approve new PAR until December 2028.

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

### **P802.3dm**

IEEE Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for Asymmetrical Electrical Automotive Ethernet

**Recommendation:** Approve new PAR until December 2028.

### **P802.11bp**

IEEE 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 Ambient Power Communication (AMP)

**Recommendation:** Approve new PAR until December 2028. (Hiertz recused from the vote.)

### **P802.15.4ad**

IEEE Standard for Low-Rate Wireless Networks Amendment: Data rate and range extensions for the Smart Utility Network (SUN) Physical layer (PHY)

**Recommendation:** Approve new PAR until December 2028.

## **IEEE Consumer Technology Society/Emerging Technology Standards Committee**

### **P2089.2**

Standard for Terms and Conditions for Children's Online Engagement

**Recommendation:** Approve new PAR until December 2028.

### **P2785.1**

Standard for a Framework and Requirements for Multimodal Interaction Systems in Smart Home

**Recommendation:** Approve new PAR until December 2028.

### **P2785.3**

Standard for Classification and Description of Perceptual Data in Smart Home

**Recommendation:** Approve new PAR until December 2028.

### **P3441**

Standard for Classification of Intelligence Levels and Their Evaluation Model in Smart Home Systems

**Recommendation:** Approve new PAR until December 2028.

### **IEEE Consumer Technology Society/Metaverse Standards Committee**

#### **P2048.111**

Standard for Technical Specification for Three-dimensional (3D) Reconstruction and Visual Localization for Large-Scale Scenes

**Recommendation:** Approve new PAR until December 2028.

#### **P2048.121**

Standard for General Technical Requirements for Service-oriented Digital Human Based on Artificial Intelligence

**Recommendation:** Approve new PAR until December 2028.

#### **P2048.201**

Standard for Security Specification of Blockchain-based Metaverse Accounts

**Recommendation:** Approve new PAR until December 2028.

### **P3069**

Recommended Practice for Consumer AR/VR Handheld-controller Location Technology Based on Active Infrared Optics

**Recommendation:** Approve new PAR until December 2028.

### **P3438**

Standard for Network Infrastructure for Web3.0

**Recommendation:** Approve new PAR until December 2028.

### **IEEE Engineering in Medicine and Biology Society/Standards Committee**

#### **P3337**

Standard for Requirements for Designing Accessible Intelligent Cyber-Physical Systems (AICS) for Well-Being

**Recommendation:** Approve new PAR until December 2028. (August abstained from the vote.)

### **IEEE Power and Energy Society/Analytic Methods for Power Systems**

#### **P2882**

Guide for Validation of Software Models of Renewable and Non-renewable Generators for Power System Studies

**Recommendation:** NesCom recommends deferral of P2882 to allow for continued discussion on the breadth of the equipment involved in the validation/verification. In addition, NesCom recommends to further define the types of generation that will be used (e.g., utility generation, commercial/industrial back up generation, hospital emergency generation, communications generation, or residential generation). Doug Edwards has been assigned as a mentor. [Vote: 11= Yes; 1=No; 2=abstain]

### **IEEE Power and Energy Society/Insulated Conductors**

#### **P1614**

Guide for AC Withstand Field-Testing of Shielded Power Cable Systems Rated 5 kV and Above with Continuous Alternating Voltage

**Recommendation:** Approve new PAR until December 2028.

### **IEEE Power and Energy Society/Substations**

#### **PC37.431.10**

Guide for Functional Specification of Transmission Dynamic Reactive Power Compensators (DRPC)

**Recommendation:** Approve new PAR until December 2028.

### **IEEE SA Board of Governors/Entity Collaborative Activities Governance Board**

#### **P3466**

Standard for Data-Driven High-throughput Laboratory Intelligence and Automation

**Recommendation:** Approve new PAR until December 2028.

#### **P3467**

Standard for Digital Manufacturing and Stability Testing of Perovskite Solar Cells and Modules

**Recommendation:** Approve new PAR until December 2028.

### **IEEE SA Board of Governors/International Committee on Electromagnetic Safety**

#### **P62209-1528a**

IEC/IEEE International Standard - Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz) Amendment of IEC/IEEE 62209-1528:2020

**Recommendation:** Approve new PAR until December 2028.

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

#### **P3469**

Standard for an Environmental Liability Process Model for Accounting in Systems Engineering

**Recommendation:** Approve new PAR until December 2028.

**P7014.1**

Recommended Practice for Ethical Considerations of Emulated Empathy in Partner-based General-Purpose Artificial Intelligence Systems

**Recommendation:** Approve new PAR until December 2028. [Vote: 10=Yes; 1=No (S. Biyabani); 2=Abstain (Hu)]

**IEEE Vehicular Technology Society/Intelligent Transportation Systems**

**P3463**

Standard for Requirements for Signal and Data Cables for Automobile Chassis System

**Recommendation:** Approve new PAR until December 2028.

**PARs for the Revision of Standards**

**IEEE Power and Energy Society/Power System Instrumentation and Measurements**

**P1601**

Standard for Optical AC Current and Voltage Sensing Systems

**Recommendation:** Approve PAR for the revision of a standard until December 2028.

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

**PC37.246**

Guide for Protection Systems of Transmission-to-Generation Interconnections

**Recommendation:** Approve PAR for the revision of a standard until December 2028.

**IEEE Power and Energy Society/Transmission and Distribution**

**P1656**

Guide for Testing the Electrical, Mechanical, and Durability Performance of Wildlife Protective Devices on Overhead Power Distribution Systems Rated up to 38 kV

**Recommendation:** Approve PAR for the revision of a standard until December 2028.