

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

[SASB approval date: 21-May-2021]

[All votes unanimous unless noted otherwise.]

### Withdrawal Requests

#### IEEE Power and Energy Society/Nuclear Power Engineering

##### P379

Standard for Application of the Single-Failure Criterion to Nuclear Power Generating Station Safety Systems

**Recommendation:** Approve PAR withdrawal

### Modified PARs

#### IEEE Computer Society/Standards Activities Board

##### P2963

Standard for Data Formats for Smart Legal Contracts

**Recommendation:** Approve modified PAR

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

##### P2621.1

Standard for Wireless Diabetes Device Security Assurance Evaluation—Connected Electronic Product Security Evaluation Programs

**Recommendation:** Approve modified PAR

##### P2621.2

Standard for Wireless Diabetes Device Security—Information Security Requirements for Connected Diabetes Solutions

**Recommendation:** Approve modified PAR

##### P2621.3

Standard for Wireless Diabetes Device Security—Use of Mobile Devices in Diabetes Control Contexts

**Recommendation:** Approve modified PAR

#### IEEE Sensors Council/Standards Committee

##### P2520.3.1

Standard for Machine Olfaction Devices and Systems Used for General Indoor Odor Monitoring

**Recommendation:** Approve modified PAR

### Extension Requests

#### IEEE Power and Energy Society/Energy Development & Power Generation

##### P125

Recommended Practice for Preparation of Equipment Specifications for Speed-Governing of Hydraulic Turbines Intended to Drive Electric Generators

**Recommendation:** Approve request for an extension until December 2023

#### IEEE Power and Energy Society/Transformers

##### PC57.143

Guide for Application of Monitoring Equipment to Liquid-Immersed Transformers and Components

**Recommendation:** Approve request for an extension until December 2023

### New PARs

#### IEEE Communications Society/Mobile Communication Networks Standards Committee

##### P2994

Standard for Security Assessment Framework for Internet of Things (IoT) Application Deployments

**Recommendation:** Approve new PAR until December 2025

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

##### P1952

Standard for Resilient Positioning, Navigation and Timing (PNT) User Equipment

**Recommendation:** Approve new PAR until December 2025

#### IEEE Computer Society/Blockchain and Distributed Ledgers

##### P3218

Standard for Using Blockchain for Carbon Trading Applications

**Recommendation:** Approve new PAR until December 2025

### **P3219**

Standard for Blockchain-based Zero-Trust Framework for Internet of Things (IoT)

**Recommendation:** Approve new PAR until December 2025

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

#### **P802.1Qdq**

Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks Amendment: Shaper Parameter Settings for Bursty Traffic Requiring Bounded Latency

**Recommendation:** Approve new PAR until December 2025

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

#### **P2785.1**

Standard for Interconnection and Interoperability Requirements of Smart Home Systems

**Recommendation:** Defer new PAR to the next NesCom meeting. Ramy Fathy was assigned as a mentor to help address issues with the scope and other related information needed for the PAR.

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

#### **P1752.2**

Standard for Mobile Health Data: Representation of Cardiovascular, Respiratory, and Metabolic Measures

**Recommendation:** Approve new PAR until December 2025

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

#### **P1451.5.5**

Standard for a Smart Transducer Interface for Sensors and Actuator -- Wireless Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats – LoRa Protocol

**Recommendation:** Approve new PAR until December 2025 (6 approve, 2 disapprove [Edwards, Hiertz], 4 abstain [Hong, Ulema, Wang, Wei])

#### **P1451.5.6**

Standard for a Smart Transducer Interface for Sensors and Actuator -- Wireless Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats – Sigfox Protocol

**Recommendation:** Approve new PAR until December 2025 (6 approve, 0 disapprove, 5 abstain [Hiertz, Hong, Reilly, Wang, Wei])

#### **P1451.5.10**

Standard for a Smart Transducer Interface for Sensors and Actuator -- Wireless Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats – NB-IoT Protocol

**Recommendation:** Approve new PAR until December 2025 (10 approve, 0 disapprove, 2 abstain [Edwards, Hiertz])

### **P2992**

Recommended Practice for Data Expression, Exchange, and Processing in Smart Agriculture

**Recommendation:** Approve new PAR until December 2025

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

#### **P3004.9**

Recommended Practice for the Protection of Transformers Used in Industrial and Commercial Power Systems

**Recommendation:** Approve new PAR until December 2025

### **IEEE Power and Energy Society/Energy Development & Power Generation**

#### **P2800.2**

Recommended Practice for Test and Verification Procedures for Inverter-based Resources (IBRs) Interconnecting with Bulk Power Systems

**Recommendation:** Approve new PAR until December 2025

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

#### **P2993**

Recommended Practices for Energy Storage System Design using Second-life Electric Vehicle Batteries

**Recommendation:** Approve new PAR until December 2025

### **IEEE Power and Energy Society/Nuclear Power Engineering**

#### **P379.1**

Guide for Application of the Single-Failure Criterion to Nuclear Power Generating Station Safety Systems

**Recommendation:** Approve new PAR until December 2025

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

#### **P2991**

Guide for Live-Working Robots for Electric Distribution Systems

**Recommendation:** Approve new PAR until December 2025

### **IEEE Power Electronics Society/Standards Committee**

#### **P2996**

Recommended Practice for Near Magnetic Field and Electric Field Characterization of Transformer and Inductors  
**Recommendation:** Approve new PAR until December 2025

**IEEE Society on Social Implications of Technology/Social Implications of Technology Standards Committee**  
**P2987**

Recommended Practice for Principles for Design and Operation Addressing Technology-Facilitated Interpersonal Control

**Recommendation:** Approve new PAR until December 2025 (11 approve, 0 disapprove, 1 abstain [Hiertz])

## **PARs for the Revision of Standards**

**IEEE Power and Energy Society/Transformers**

**PC57.125**

Guide for Failure Investigation, Documentation, Analysis, and Reporting for Power Transformers and Shunt Reactors

**Recommendation:** Approve PAR for the revision of a standard until December 2025

**PC57.134**

Guide for Determination of Hottest-Spot Temperature in Dry-Type Distribution and Power Transformers

**Recommendation:** Approve PAR for the revision of a standard until December 2025