

NesCom Recommendations

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

[All votes unanimous unless noted otherwise.]

### Modified PARs

*IEEE Industry Applications Society/Petroleum & Chemical Industry*

#### **P841**

Standard for Petroleum and Chemical Industry--Premium-Efficiency, Severe-Duty, Totally Enclosed Fan-Cooled (TEFC) Squirrel Cage Induction Motors--Up to and Including 370 kW (500 hp)

**Recommendation: Approve modified PAR**

*IEEE Power and Energy Society/Nuclear Power Engineering*

#### **P60980-344**

Nuclear Facilities - Equipment Important to Safety - Seismic Qualification

**Recommendation: Approve modified PAR**

*IEEE Power and Energy Society/Switchgear*

#### **PC37.12.1**

Recommended Practice for Instruction Manual Content of AC High-Voltage Circuit Breakers above 1000 Volts

**Recommendation: Approve modified PAR**

*IEEE Vehicular Technology Society/Intelligent Transportation Systems*

#### **P1609.2b**

Standard for Wireless Access in Vehicular Environments--Security Services for Applications and Management Messages Amendment 2: Protocol Data Unit (PDU) Functional Types and Encryption Key Management

**Recommendation: Approve modified PAR**

### Extension Requests

*IEEE-SA Board of Governors/Corporate Advisory Group*

#### **P2413**

Standard for an Architectural Framework for the Internet of Things (IoT)

**Recommendation: Approve request for an extension until December 2019**

*IEEE Education Society/Standards Committee*

#### **P1876**

Standard for Networked Smart Learning for Online Laboratories

**Recommendation: Approve request for an extension until December 2019**

**P841**

Standard for Petroleum and Chemical Industry--Premium-Efficiency, Severe-Duty, Totally Enclosed Fan-Cooled (TEFC) Squirrel Cage Induction Motors--Up to and Including 370 kW (500 hp)

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

**P80005-1**

Utility Connections in Port--Part 1: High Voltage Shore Connection (HVSC) Systems--General Requirements

**Recommendation:** *Approve request for an extension until December 2019*

**P80005-3**

Utility Connections in Port - Part 3: Low Voltage Shore Connection (LVSC) Systems - General Requirements

**Recommendation:** *Approve request for an extension until December 2021*

**P21451-1**

Standard for Smart Transducer Interface for Sensors and Actuators - Common Network Services

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

**P21451-1-4**

Standard for a Smart Transducer Interface for Sensors, Actuators, and Devices - eXtensible Messaging and Presence Protocol (XMPP) for Networked Device Communication

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

**P21451-2**

ISO/IEC/IEEE Standard for Information Technology -- Smart Transducer Interface for Sensors and Actuators -- Part 2: Serial Point-to-Point Interface

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

**P946**

Recommended Practice for the Design of DC Power Systems for Stationary Applications

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

**P1202**

Standard for Testing Flame-Propagation and Smoke Generation of Cable or Splices/Connectors

**Recommendation:** *Approve request for an extension until December 2022*

**PC37.30.1**

Standard Requirements for AC High-Voltage Air Switches Rated Above 1000 V

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

*IEEE Power and Energy Society/Transmission and Distribution*

**P977a**

Guide to Installation of Foundations for Transmission Line Structures Amendment

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

**P1159.3**

Recommended Practice for Power Quality Data Interchange Format (PQDIF)

**Recommendation: Approve request for an extension until December 2019**

**P1854**

Guide for Smart Distribution Applications

**Recommendation: Approve request for an extension until December 2019**

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

**PC95.1**

Standard for Safety Levels with Respect to Human Exposure to Electric, Magnetic and Electromagnetic Fields, 0 Hz to 300 GHz

**Recommendation: Approve request for an extension until December 2019**

**New PARs**

*IEEE Computer Society/Learning Technology*

**P9274.4.1**

Recommended Practice for the Implementation of the Experience Application Programming Interface (API) 1.0.3

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

*IEEE Computer Society/Test Technology*

**P2654**

Standard for System Test Access Management (STAM) to Enable Use of Sub-System Test Capabilities at Higher Architectural Levels

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

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

**P2783**

Guide for the Application of Quick Response Systems of Customer-Side Loads in Modern Power Grids

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

*IEEE Power and Energy Society/Transmission and Distribution*

**P2748**

Recommended Practice for Fault Diagnosis and Protection in Smart Distribution System

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

**P2749**

Recommended Practice for Risk Identification and Evaluation of Smart Power Distribution System

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

**P2772**

Test Method for Energy Loss of Overhead Conductors

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

*IEEE Power and Energy Society/Transformers*

**PC57.32.10**

Guide for the Selection of Neutral-Grounding Devices for High Voltage Direct Current (HVDC) Converter Transformers

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

**PARs for the Revision of Standards**

*IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology*

**P1451.4**

Standard for A Smart Transducer Interface for Sensors and Actuators--Mixed-Mode Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats

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

*IEEE Power and Energy Society/Electric Machinery*

**P252**

Standard Test Procedure for Polyphase Induction Motors Having Liquid in the Magnetic Gap

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

**P620**

Guide for the Presentation of Thermal Limit Curves for Squirrel Cage Induction Machines

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

*IEEE Power and Energy Society/Insulated Conductors*

**PC62.22.1**

Guide for Connection of Surge Arresters to Protect Insulated Shielded Electric Power Cable Systems Up to 46 kV

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

*IEEE Power and Energy Society/Substations*

**P1818**

Recommended Practice for the Design of Low-Voltage Auxiliary Systems for Electric Power Substations

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

*IEEE Power and Energy Society/Transformers*

**PC57.100**

Standard Test Procedure for the Thermal Evaluation of Insulation Systems for Liquid-Immersed Distribution, Power and Regulating Transformers

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

**P1474.2**

Standard for User Interface Requirements in Communications-Based Train Control (CBTC) Systems

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

**P1474.3**

Recommended Practice for Communications-Based Train Control (CBTC) System Design and Functional Allocations

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