

NesCom Recommendations

IEEE-SA Standards Board New Standards Committee (NesCom) Recommendations [SASB approval date: 5-Dec-2015]

[All votes unanimous unless noted otherwise.]

Modified PARs

IEEE-SA Board of Governors/Corporate Advisory Group

P1834

Technology Supervision Code for Wind Turbine Rotor Systems

Recommendation: Approve modified PAR

IEEE Computer Society/LAN/MAN Standards Committee

P802.15.3d

Standard for Information technology-- Local and metropolitan area networks-- Specific requirements-- Part 15.3: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for High Rate Wireless Personal Area Networks (WPAN) Amendment for a 100 Gb/s wireless switched point-to-point physical layer

Recommendation: Approve modified PAR (9 in favor, 0 opposed, 1 recuse)

IEEE Communications Society/Standards Development Board

P1912

Standard for Privacy and Security Architecture for Consumer Wireless Devices

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Power System Relaying

PC37.238

Standard Profile for Use of IEEE 1588 Precision Time Protocol in Power System Applications

Recommendation: Approve modified PAR

Extension Requests

IEEE Computer Society/Learning Technology

P1484.13.4

Recommended Practice for Learning Technology - IMS Content Packaging Information Model (CP) Version 1.2 - Mapping to the Conceptual Model for Resource Aggregation

Recommendation: Approve request for an extension until December 2016

IEEE Computer Society/Test Technology

P1804

Standard for Fault Accounting and Coverage Reporting to Digital Modules (FACR)

Recommendation: Approve request for an extension until December 2016

P1838

Standard for Test Access Architecture for Three-Dimensional Stacked Integrated Circuits

Recommendation: *Approve request for an extension until December 2018*

IEEE Communications Society/Standards Development Board

P1903.1

Standard for Content Delivery Protocols of Next Generation Service Overlay Network (NGSON)

Recommendation: *Approve request for an extension until December 2016*

P1903.2

Standard for Service Composition Protocols of Next Generation Service Overlay Network (NGSON)

Recommendation: *Approve request for an extension until December 2016*

P1903.3

Standard for Self-Organizing Management Protocols of Next Generation Service Overlay Network (NGSON)

Recommendation: *Approve request for an extension until December 2016*

P1907.1

Standard for Network-Adaptive Quality of Experience (QoE) Management Scheme for Real-Time Mobile Video Communications

Recommendation: *Disapprove request for an extension*

P1908.1

Virtual Keyboard Standard for Indic Languages

Recommendation: *Conditionally approve request for an extension until 2017; contingent upon placing text from comment 3.1 in dialog into section 2 on the PAR.*

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1814

Recommended Practice for Electrical System Design Techniques to Improve Electrical Safety

Recommendation: *Approve request for an extension until December 2017*

P80005-2

Cold Ironing Part 2: High Voltage Shore Connection (HVSC) Systems - Communication Interface Description

Recommendation: *Approve request for an extension until December 2017*

IEEE Industry Applications Society/Technical Books Coordinating Committee

P3001.11

Recommended Practice for Application of Controllers and Automation to Industrial and Commercial Power Systems

Recommendation: *Approve request for an extension until December 2016*

P3002.2

Recommended Practice for Conducting Load-Flow Studies of Industrial and Commercial Power Systems

Recommendation: *Approve request for an extension until December 2017*

P3002.3

Recommended Practice for Conducting Short-Circuit Studies of Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2017 (8 in favor, 2 opposed)

P3002.7

Recommended Practice for Conducting Motor-Starting Studies in Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2017 (5 in favor, 3 opposed, 1 abstain)

P3002.8

Recommended Practice for Conducting Harmonic-Analysis Studies of Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2017 (7 in favor, 2 opposed)

P3004.7

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

Recommendation: Approve request for an extension until December 2017 (7 in favor, 2 opposed)

P3004.9

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

Recommendation: Approve request for an extension until December 2017

P3004.13

Recommended Practice for Overcurrent Coordination in Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2017

IEEE Instrumentation and Measurement Society/TC4 - High Frequency Measurement

P287.1

Standard for Precision Coaxial Connectors at RF, Microwave and Millimeter-wave Frequencies

Recommendation: Approve request for an extension until December 2018

IEEE Microwave Theory and Techniques Society/Standards Coordinating Committee

P1549-2011/Cor 1

IEEE Standard for Microwave Filter Definitions - Corrigendum 1

Recommendation: Approve request for an extension until December 2016 (8 in favor, 1 recuse).

IEEE Power and Energy Society/Energy Development & Power Generation

P421.5

Recommended Practice for Excitation System Models for Power System Stability Studies

Recommendation: Approve request for an extension until December 2016

IEEE Power and Energy Society/Electric Machinery

P112

Standard Test Procedure for Polyphase Induction Motors and Generators

Recommendation: Approve request for an extension until December 2016

P386

Standard for Separable Insulated Connector Systems for Power Distribution Systems rated 2.5 kV through 35 kV

Recommendation: *Approve request for an extension until December 2016*

PC62.22.1

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

Recommendation: *Conditionally approve request for an extension until December 2016; contingent upon moving the acronym definition from section 8.1 into section 2 on the PAR.*

PC37.113

Guide for Protective Relay Applications to Transmission Lines

Recommendation: *Disapprove request for an extension because the project was recommended for approval by RevCom.*

P946

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

Recommendation: *Approve request for an extension until December 2017*

P1679.1

Guide for the Characterization and Evaluation of Lithium-Based Batteries in Stationary Applications

Recommendation: *Defer request for an extension until the next NesCom meeting with a request that more information is provided in section 2 on the PAR. (8 in favor 1 opposed)*

P1679.2

Guide for the Characterization and Evaluation of Sodium-Based Batteries in Stationary Applications

Recommendation: *Approve request for an extension until December 2017*

PC62.33

Standard for Test Methods and Performance Values of Metal-Oxide Varistor Surge Protective Components

Recommendation: *Approve request for an extension until December 2016*

P1268

Guide for Safety in the Installation of Mobile Substation Equipment

Recommendation: *Approve request for an extension until December 2016*

P1427

Guide for Recommended Electrical Clearances and Insulation Levels in Air Insulated Electrical Power Substations

Recommendation: *Approve request for an extension until December 2017*

P1815.1

Standard for Exchanging Information Between Networks Implementing IEC 61850 and IEEE Std 1815 (Distributed Network Protocol - DNP3)

Recommendation: *Disapprove request for an extension because the project was recommended for approval by RevCom.*

IEEE Power and Energy Society/Switchgear

PC37.06.1

Recommended Practice for Preferred Ratings for High-Voltage (>1000 volts) AC Circuit Breakers Designated Definite Purpose for Fast Transient Recovery Voltage Rise Times

Recommendation: *Defer request for an extension until the next NesCom meeting with a request to clarify section 2 on the PAR. (8 in favor, 1 opposed)*

PC37.10.1

Guide for the Selection of Monitoring for Circuit Breakers

Recommendation: *Disapprove request for an extension (6 in favor, 2 opposed, 1 abstain)*

PC37.20.7

Guide for Testing Switchgear Rated 38 kV or Below for Internal Arcing Faults

Recommendation: *Approve request for an extension until December 2017*

IEEE Power and Energy Society/Transmission and Distribution

P751

Guide for Design of Wood Transmission Structures

Recommendation: *Approve request for an extension until December 2017 (8 in favor, 1 opposed)*

IEEE Power and Energy Society/Transformers

PC57.12.24

Standard for Submersible, Three-Phase Transformers, 3750 kVA and Smaller: High Voltage, 34 500 GrdY/19 920 Volts and Below; Low Voltage, 600 Volts and Below

Recommendation: *Approve request for an extension until December 2017*

PC57.12.36

Standard Requirements for Liquid-Immersed Distribution Substation Transformers

Recommendation: *Approve request for an extension until December 2017*

PC57.19.04

Standard Performance Characteristics and Dimensions for High Current Power Transformer Bushings with Rated Continuous Current in Excess of 5000 A in Bus Enclosures

Recommendation: *Approve request for an extension until December 2017*

PC57.156

Guide for Tank Rupture Mitigation of Liquid-Immersed Power Transformers and Reactors

Recommendation: *Approve request for an extension until December 2017*

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

P62704-1

Standard for Determining the Peak Spatial Average Specific Absorption Rate (SAR) in the Human Body from Wireless

Communications Devices, 30 MHz - 6 GHz Part 1: General Requirements for using the Finite Difference Time Domain (FDTD) Method for SAR Calculations

Recommendation: *Approve request for an extension until December 2016*

P62704-2

Standard for Determining the Peak Spatial Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz - 6 GHz Part 2: Specific Requirements for Finite Difference Time Domain (FDTD) Modelling of Exposure from Vehicle Mounted Antennas

Recommendation: *Approve request for an extension until December 2016*

P62704-3

Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz - 6 GHz Part 3: Specific Requirements for using the Finite Difference Time Domain (FDTD) Method for SAR Calculations of Mobile Phones

Recommendation: *Conditionally approve request for an extension until December 2017; contingent upon changing the wording in section 2 on the PAR from interlab study to interlaboratory comparison. (8 in favor, 1 opposed)*

P62704-4

Standard for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz - 6 GHz: General Requirements for Using the Finite Element Method (FEM) for SAR Calculations and Specific Requirements for Modeling Vehicle-Mounted Antennas and Personal Wireless Devices

Recommendation: *Approve request for an extension until December 2017*

New PARs

IEEE Computer Society/LAN/MAN Standards Committee

P802.3ca

Approved Draft Standard for Ethernet

Amendment: Physical Layer Specifications and Management Parameters for 25 Gb/s, 50 Gb/s, and 100 Gb/s Passive Optical Networks

Recommendation: *Approve new PAR until December 2019*

P802.3cb

Approved Draft Standard for Ethernet

Amendment: Physical Layer Specifications and Management Parameters for 2.5 Gb/s and 5 Gb/s Operation over Backplane and Copper Cables

Recommendation: *Approve new PAR until December 2019*

P802.15.4t

Standard for Local and metropolitan area networks--Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs) Amendment for a Higher Rate Physical (PHY) Layer

Recommendation: *Conditionally approve new PAR until December 2019; contingent upon adding (2 Mb/s) after Higher Rate in the title.*

P802.15.4u

Standard for Local and Metropolitan Area Networks -Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs) Amendment for Use of the 865-867 MHz Band in India

Recommendation: *Approve new PAR until December 2019*

P802d

Standard for Local and Metropolitan Area Networks: Overview and Architecture Amendment: Uniform Resource Names (URN) Namespace

Recommendation: Approve new PAR until December 2019

IEEE Computer Society/Standards Activities Board

P1857.8

Standard for 2nd Generation Audio Coding

Recommendation: Approve new PAR until December 2019 (6 in favor, 2 opposed, 1 abstain)

P1857.9

Standard for Immersive Visual Content Coding

Recommendation: Approve new PAR until December 2019 (4 in favor, 2 opposed, 3 abstain)

IEEE Communications Society/Standards Development Board

P1914.1

Standard for Packet-based Fronthaul Transport Networks

Recommendation: Defer new PAR until the next NesCom meeting. Guidance will be provided by NesCom members and staff. (7 in favor, 1 opposed, 1 abstain)

P1915.1

Standard for Software Defined Networking and Network Function Virtualization Security

Recommendation: Approve new PAR until December 2019

P1916.1

Standard for Software Defined Networking and Network Function Virtualization Performance

Recommendation: Approve new PAR until December 2019

P1917.1

Standard for Software Defined Networking and Network Function Virtualization Reliability

Recommendation: Approve new PAR until December 2019

IEEE Engineering in Medicine and Biology Society/IEEE 11073 Standards Committee

P11073-10101b

Health informatics -- Point-of-care medical device communication -- Part 10101: Nomenclature Amendment 2: Additional definitions

Recommendation: Approve new PAR until December 2019

P11073-10103a

Health informatics--Point-of-care medical device communication Part 10103: Nomenclature--Implantable device, cardiac Amendment 1: Additional definitions

Recommendation: Approve new PAR until December 2019

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P1848

Techniques & Measures to Manage Risks With Regard to Electromagnetic Disturbances

Recommendation: Defer new PAR until the next NesCom meeting with request to edit sections 7 and 8 on the PAR. (4 in favor, 2 opposed, 3 abstain)

IEEE Power and Energy Society/Nuclear Power Engineering

P62582-6

Nuclear power plants -- Instrumentation and control important to safety -- Electrical equipment condition monitoring methods. Part 6: Insulation resistance

Recommendation: Approve new PAR until December 2019

IEEE Power and Energy Society/Switchgear

PC37.100.5

Common Definitions for Switchgear

Recommendation: Approve new PAR until December 2019

PARs for the Revision of Standards

IEEE Antennas and Propagation Society/Antennas

P149

Recommended Practice for Antenna Measurements

Recommendation: Approve PAR for the revision of a standard until December 2019

P1502

Recommended Practice for Radar Cross-Section Test Procedures

Recommendation: Approve PAR for the revision of a standard until December 2019

IEEE Antennas and Propagation Society/Propagation

P211

Standard Definitions of Terms for Radio Wave Propagation

Recommendation: Approve PAR for the revision of a standard until December 2019

IEEE Computer Society/Microprocessor Standards Committee

P1722.1

Standard for Device Discovery, Connection Management, and Control Protocol for Time-Sensitive Networking Systems

Recommendation: Approve PAR for the revision of a standard until December 2019 (8 in favor, 1 abstain)

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P1597.1

Standard for Validation of Computational Electromagnetics Computer Modeling and Simulations

Recommendation: Approve PAR for the revision of a standard until December 2019 (8 in favor, 1 abstain)

IEEE Industry Applications Society/Petroleum & Chemical Industry

P515

Standard for the Testing, Design, Installation, and Maintenance of Electrical Resistance Trace Heating for Industrial Applications

Recommendation: Approve PAR for the revision of a standard until December 2019

IEEE Power and Energy Society/Electric Machinery

P115

Guide for Test Procedures for Synchronous Machines Part I--Acceptance and Performance Testing Part II--Test Procedures and Parameter Determination for Dynamic Analysis

Recommendation: Approve PAR for the revision of a standard until December 2019

IEEE Power and Energy Society/Insulated Conductors

P1617

Guide for Assessment, Mitigation, and Control of Corrosion of Metallic Shields in Extruded Dielectric Cables rated 5 kV to 46 kV

Recommendation: Approve PAR for the revision of a standard until December 2019

IEEE Power and Energy Society/Power System Relaying

PC37.108

Guide for the Protection of Secondary Network Systems

Recommendation: Approve PAR for the revision of a standard until December 2019

PC37.233

Guide for Power System Protection Testing

Recommendation: Approve PAR for the revision of a standard until December 2019

IEEE Power and Energy Society/Switchgear

PC37.24

Guide for Evaluating the Effect of Solar Radiation on Outdoor Metal-Enclosed Switchgear

Recommendation: Approve PAR for the revision of a standard until December 2019

IEEE-SASB Coordinating Committees/SCC20 - Test and Diagnosis for Electronic Systems

P1505.1

Standard for the Common Test Interface Pin Map Configuration for High-Density, Single-Tier Electronics Test Requirements Utilizing IEEE Std 1505

Recommendation: Approve PAR for the revision of a standard until December 2019

P1636

Standard for Software Interface for Maintenance Information Collection and Analysis (SIMICA)

Recommendation: Approve PAR for the revision of a standard until December 2019

PARS FOR ADMINISTRATIVE WITHDRAWAL – DECEMBER 2015

P1619 (C/IA)

Standard for Cryptographic Protection of Data on Block-Oriented Storage Devices

(Revision PAR)

P25010 (C/S2ESC)

Standard -- Adoption of ISO/IEC 25010-2010 Systems and Software Engineering -- Systems and Software Quality Requirements and Evaluation (SQuaRE) -- System and Software Quality Models

(New PAR)

P1822 (EMB/Std Com)

Standard for Digital Microscope Analyzer, Whole Slide Image Scanner and Digital Microscope

(New PAR)

P1580.1 (IAS/PCI)

Recommended Practice for Insulated Bus Pipe for Use on Shipboard and Fixed or Floating Platforms

(New PAR)

P1595 (PE/ED&PG)

Standard for Designating and Quantifying Green Energy Projects in the Electricity Sector

(New PAR)

P1254 (PE/IC)

Guide for Soil Thermal Stability

(New PAR)

P692a (PE/NPE)

Standard Criteria for Security Systems for Nuclear Power Generating Stations Amendment a: Alignment with Recent Industry Security Approach Changes

(Amendment PAR)

PC93.3 (PE/PSC)

Standard for the Requirements for Power-Line Carrier Line Traps (30-500 kHz)

(New PAR)

P1562 (SASB/SCC21)

Guide for Array and Battery Sizing in Stand-Alone Photovoltaic (PV) Systems
(Revision PAR)

P2030.1 (SASB/SCC40)

Guide for Electric-Sourced Transportation Infrastructure
(New PAR)

P1833 (VT/RTSC)

Guide for the Design of Direct Current Overhead Contact Systems for Transit Systems
(New PAR)