

IEEE SA Standards Board New Standards Committee (NesCom)

Meeting Minutes

6 November 2019

9:00 a.m. - 2:30 p.m.

IEEE Operations Center, Piscataway, New Jersey, USA

Members Present:

Alan Berkema
Ted Burse
Stephen Dukes
John Kulick
Joseph Levy
Kevin Lu
Dorothy Stanley, Chair
Mehmet Ulema
Philip Winston
Feng Wu
Jingyi Zhou

Kishik Park
Annette Reilly
Robby Robson
Yoshito Sakurai
Akif Sesli
Ryuji Suzuki
Donnie Swing
Lei Wang
Hironori Washizaki
Don Wright
Isamu Yamada

Members Absent:

Grace Gu
Sha Wei

IEEE Staff:

Christy Bahn
Kim Breitfelder
Ravindra Desai
Jonathan Goldberg
Karen Kenney
Konstantinos Karachalios
Soo Kim
Vanessa Lalitte
Mary Lynne Nielsen
Nikoi Nikoi
Pat Roder
Sam Sciacca
Tom Thompson
Lisa Weisser, Administrator
Malia Zaman
Meng Zhao

Guests:

Chuck Adams
Edward Au
Evelyn Chen
Mai Elhafez
Ramy Ahmed Fathy
Jean-Philippe Faure
Rob Fish
Christine Eve Gadzikwa
Latonia Gordon
Gary Hoffman
Wenli Liu
Haiying Lu
Mogomotsi Motaung

[Unless otherwise noted, all votes are unanimous]

1. CALL TO ORDER AND INTRODUCTIONS

Chair Stanley called the meeting to order at 9:00 a.m. There was a round of introductions by all present.

2. REVIEW AND APPROVAL OF THE AGENDA

The agenda was reviewed and Chair Stanley asked if there were any changes to be made. There were none.

A motion was made to approve the 6 November 2019 NesCom meeting agenda, including all items on the consent agenda. The motion was unanimously approved.

2.1 Consent Agenda

2.1.1 Withdrawal Requests

IEEE Computer Society/Cloud Computing Standards Committee

P2303

Standard for Adaptive Management of Cloud Computing Environments

Recommendation: Approve PAR withdrawal

IEEE Industry Applications Society/Industrial & Commercial Power Systems

P3005.7

Recommended Practice for the Application of Metering for Energy Management of Industrial and Commercial Power Systems

Recommendation: Approve PAR withdrawal

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 PAR withdrawal

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

P62209-3

Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 3: Vector probe systems (Frequency range of 100 MHz to 6 GHz)

Recommendation: Approve PAR withdrawal

2.1.2 PARs to be Administratively Withdrawn

P2200 (C/MSC)

Standard Protocol for Stream Management in Media Client Devices
(Revision PAR)

P1760 (C/S2ESC)

Information Technology Service Measures and Service Level Agreements
(New PAR)

P1912 (COM/EdgeCloud-SC)

Standard for Privacy and Security Architecture for Consumer Wireless Devices
(New PAR)

P1915.1 (COM/NetSoft-SC)

Standard for Software Defined Networking and Network Function Virtualization Security
(New PAR)

P1493 (PE/IC)

Guide for the Evaluation of Solvents Used for Cleaning Electrical Cables and Accessories
(Revision PAR)

P1637 (PE/IC)

Guide for Selecting and Applying Terminations for Shielded Alternating-Current Power Cable Rated 5 kV - 46 kV
(Revision PAR)

P1891 (PE/NPE)

Standard Criteria for Application of Intelligent Digital Devices to Nuclear Power Generating Stations
(New PAR)

P1138 (PE/PSCC)

Standard for Testing and Performance for Optical Ground Wire (OPGW) for Use on Electric Utility Power Lines
(Revision PAR)

PC62.11 (PE/SPDHV)

Standard for Metal-Oxide Surge Arresters for AC Power Circuits (> 1 kV)
(Revision PAR)

PC62.200 (PE/SPDLV)

Guide for the Application of Surge Protective Devices for a Wind Power Facility
(New PAR)

P563 (PE/T&D)

Guide on Conductor Self-Damping Measurements
(Revision PAR)

P664 (PE/T&D)

Guide for Laboratory Measurement of the Power Dissipation Characteristics of Aeolian Vibration Dampers for Single Conductors
(Revision PAR)

P1243 (PE/T&D)

Guide for Improving the Lightning Performance of Transmission Lines
(Revision PAR)

P1882 (PE/T&D)

Guide for Establishing, Benchmarking, and Maintaining a Working Program for Energized Transmission Lines
(New PAR)

P824 (PE/T&D)

Standard for Series Capacitor Banks in Power Systems
(Revision PAR)

PC135.80-2012/Cor 1 (PE/T&D)

Standard for Fasteners for Overhead Line Construction - Corrigendum 1: Table 5 - Dimensions of Hex Nuts
(New PAR)

P1036 (PE/T&D)

Guide for the Application of Shunt Power Capacitors
(Revision PAR)

P751 (PE/T&D)

Guide for Wood Structures Used for Overhead Electric Transmission Lines
(New PAR)

P2040 (VT/ITS)

Standard for Connected, Automated and Intelligent Vehicles: Overview and Architecture
(New PAR)

P2040.1 (VT/ITS)

Standard for Connected, Automated and Intelligent Vehicles: Taxonomy and Definitions
(New PAR)

P2040.2 (VT/ITS)

Standard for Connected, Automated and Intelligent Vehicles: Testing and Verification
(New PAR)

2.1.3 Project Number Change Request for P63195 'Measurement procedure for the assessment of power density of human exposure to radio frequency fields from wireless devices operating in close proximity to the head and body - Frequency range of 6 GHz to 300 GHz' and P62704-5 'Standard for Determining the power Density of the Electromagnetic Field Associated with Human Exposure to Wireless Devices Operating in Close Proximity to the Head and Body Using Computational Techniques, 6 GHz to 300 GHz'

NB: The approval of these number change requests was included in the approval of the agenda and consent agenda. The PAR numbers have been changed from P63195 to P63195-1 and from P62704-5 to P63195-2.

2.1.4 Project Number Change Request for P1017 'Recommended Practice for Field Testing Electric Submersible Pump Cable', P1018 'Recommended Practice for Field Testing Electric Submersible Pump Cable', and P1019 'Recommended Practice for Specifying Electric Submersible Pump Cable--Polypropylene Insulation'

NB: The approval of these number change requests was included in the approval of the agenda and consent agenda. The PAR numbers have been changed from P1017 to P1017.1, from P1018 to P1017.2, and from P1019 to P1017.3.

2.1.5 Project Number Change Request for P2775 'Technical Guide for Smart Hydroelectric Power Plant'

NB: The approval of this number change request was included in the approval of the agenda and consent agenda. The PAR number has been changed from P2775 to P63198-2775.

2.1.6 Project Number Change Request for PC57.13.8 'Standard Requirements for Station Service Voltage Transformers'

NB: The approval of this number change request was included in the approval of the agenda and consent agenda. The PAR number has been changed from PC57.13.8 to P63258-5713-8.

2.1.7 Standards Committee Change Request for P1654 'Guide for RF Protection of Personnel Working in the Vicinity of Wireless Communications Antennas Attached to Electric Power Line Structures'

NB: The approval of this Standards Committee change request was included in the approval of the agenda and consent agenda. The Standards Committee for P1654 has been changed from PE/PSCC to PE/T&D.

2.1.8 Request for Title Harmonization with ISO for EMB/11073 PARs

NB: The approval of the request to harmonize 33 EMB/11073 PAR titles with ISO was included in the approval of the agenda and consent agenda. The titles have been updated.

3 APPROVAL OF MINUTES OF THE 4 SEPTEMBER 2019 NESCOM MEETING

A motion was made to approve the minutes of the 4 September 2019 NesCom meeting. The motion was unanimously approved.

4 PARS FOR DISCUSSION

4.1 Modified PARs

IEEE Computer Society/Standards Activities Board

P2418.3

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

Recommendation: Approve modified PAR

IEEE Communications Society/Green ICT Standards Committee

P1922.2

Standard for a Method to Calculate Near Real-Time Emissions of Information and Communication Technology Infrastructure

Recommendation: Approve modified PAR

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

P1679

Recommended Practice for the Characterization and Evaluation of Energy Storage Technologies in Stationary Applications

Recommendation: Approve modified PAR

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

P62704-5

The Assessment of Power Density of Human Exposure to Radio Frequency Fields from Wireless Devices in Close Proximity to the Head and Body, Part 2: Computational Procedure (Frequency Range of 6 GHz to 300 GHz)

Recommendation: Approve modified PAR

IEEE Systems, Man, and Cybernetics Society/Standards Committee

P7010

Recommended Practice for Assessing the Impact of Autonomous and Intelligent Systems on Human Well-Being

Recommendation: Approve modified PAR

4.2 Extension Requests

IEEE Antennas and Propagation Society/Antennas

P1502

Recommended Practice for Radar Cross-Section Test Procedures

Recommendation: Approve request for an extension until December 2020

IEEE Computer Society/Cloud Computing Standards Committee

P2301

Guide for Cloud Portability and Interoperability Profiles (CPIP)

Recommendation: Approve request for an extension until December 2020

IEEE Computer Society/LAN/MAN Standards Committee

P802.11ay

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: Enhanced Throughput for Operation in License-Exempt Bands above 45 GHz

Recommendation: Approve request for an extension until December 2021

P802.11az

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 - Enhancements for Positioning

Recommendation: Approve request for an extension until December 2021

IEEE Computer Society/Microprocessor Standards Committee

P1722.1

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

Recommendation: Approve request for an extension until December 2021

IEEE Computer Society/Standards Activities Board

P1857.8

Standard for 2nd Generation Audio Coding

Recommendation: Approve request for an extension until December 2020

P1857.9

Standard for Immersive Visual Content Coding

Recommendation: Approve request for an extension until December 2021

IEEE Consumer Electronics Society/Standards Committee

P360

Standard for Wearable Consumer Electronic Devices –Overview and Architecture

Recommendation: Approve request for an extension until December 2021

P2025.1

Standard for Consumer Drones: Taxonomy and Definitions

Recommendation: Defer request for an extension until the next NesCom meeting; contingent upon staff verifying the status of the draft and the project's schedule.

AI: Staff to obtain the timeline/action plan from the WG.

P2025.2

Standard for Consumer Drones: Privacy and Security

Recommendation: Defer request for an extension until the next NesCom meeting; contingent upon staff verifying the status of the draft and the project's schedule.

AI: Staff to obtain the timeline/action plan from the WG.

P3030

Standard for Consumer 3D Printing: Overview and Architecture

Recommendation: Defer request for an extension until the next NesCom meeting with a mentor (staff) being identified; contingent upon staff verifying the status of the draft and the project's schedule.

AI: Staff to obtain the timeline/action plan from the WG.

IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee

P1900.5.1

Standard Policy Language for Dynamic Spectrum Access Systems

Recommendation: Approve request for an extension until December 2020 (9 approve, 0 disapprove, 1 abstain [Levy])

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

P1917.1

Standard for Software Defined Networking and Network Function Virtualization Reliability

Recommendation: Approve request for an extension until December 2021

IEEE Communications Society/Standards Development Board

P1916.1

Standard for Software Defined Networking and Network Function Virtualization Performance

Recommendation: Approve request for an extension until December 2021

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 request for an extension until December 2021

P11073-10103a

Health Informatics – Point-of-Care Medical Device Communication – Part 10103: Nomenclature--Implantable Device, Cardiac

Amendment 1: Additional definitions

Recommendation: Approve request for an extension until December 2023

P11073-10404

Health Informatics – Personal Health Device Communication – Part 10404: Device Specialization – Pulse Oximeter

Recommendation: Approve request for an extension until December 2020

P11073-10407

Health Informatics – Personal Health Device Communication – Device Specialization – Blood Pressure Monitor

Recommendation: Approve request for an extension until December 2020

P11073-10408

Health Informatics – Personal Health Device Communication – Part 10408: Device Specialization – Thermometer

Recommendation: Approve request for an extension until December 2020

P11073-10415

Health Informatics – Personal Health Device Communication – Device Specialization – Weighing Scale

Recommendation: Approve request for an extension until December 2020

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2650

Standard for Enabling Mobile Device Platforms to be Used as Pre-Screening Audiometric Systems

Recommendation: Approve request for an extension until December 2021

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P370

Electrical Characterization of Printed Circuit Board and Related Interconnects at Frequencies up to 50 GHz

Recommendation: Approve request for an extension until December 2020

P1597.1

Standard for Validation of Computational Electromagnetics Computer Modeling and Simulations

Recommendation: Approve request for an extension until December 2021

IEEE Industry Applications Society/Technical Books Coordinating Committee

P3004.3

Recommended Practice for the Application of Low-Voltage Fuses in Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2020

P3004.7

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

Recommendation: Approve request for an extension until December 2020

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 2021

P61886-1

Subsea Equipment – Power Connectors, Penetrators, and Jumper Assemblies with Rated Voltage from 3 kV ($U_{max} = 3.6$ kV) to 30 kV ($U_{max} = 36$ kV)

Recommendation: Approve request for an extension until December 2022 (9 approve, 0 disapprove, 1 abstain [Levy])

IEEE Instrumentation and Measurement Society/TC9 – Sensor Technology

P1588

Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems

Recommendation: Approve request for an extension until December 2020

IEEE Instrumentation and Measurement Society/TC10 - Waveform Generation Measurement and Analysis

P2414

Standard for Jitter and Phase Noise

Recommendation: Approve request for an extension until December 2020

IEEE Microwave Theory and Techniques Society/Standards Coordinating Committee

P1765

Trial-Use Recommended Practice for Estimating the Uncertainty in Error Vector Magnitude of Measured Digitally Modulated Signals for Wireless Communications

Recommendation: Approve request for an extension until December 2021

IEEE Power and Energy Society/Energy Development & Power Generation

P1248

Guide for the Commissioning of Electrical Systems in Hydroelectric Power Plants

Recommendation: Approve request for an extension until December 2020

IEEE Power and Energy Society/Electric Machinery

P11

Standard for Rotating Electric Machinery for Rail and Road Vehicles

Recommendation: Approve request for an extension until December 2021 (9 approve, 0 disapprove, 1 abstain [Levy])

P433

Recommended Practice for Insulation Testing of AC Electric Machinery with High Voltage Rating up to 30 kV at Very Low Frequency

Recommendation: Approve request for an extension until December 2020

IEEE Power and Energy Society/Insulated Conductors

P532

Guide for Selecting and Testing Jackets for Power, Instrumentation, and Control Cables

Recommendation: Approve request for an extension until December 2020

P1185

Recommended Practice for Cable Installation in Generating Stations and Industrial Facilities

Recommendation: Approve request for an extension until December 2020

AI: NesCom administrator will change 'NesCom' to 'RevCom' in the extension request section of the PAR.

NB: This change was made.

P1210

Standard Tests for Determining Compatibility of Cable-Pulling Lubricants with Wire and Cable

Recommendation: Approve request for an extension until December 2021

P1614

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

Recommendation: Approve request for an extension until December 2021

P1617

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

Recommendation: Approve request for an extension until December 2020

IEEE Power and Energy Society/Nuclear Power Engineering

P2420

Standard Criteria for Combustion Turbine Generator Units Applied as Standby Power Supplies for Nuclear Power Generating Stations

Recommendation: Approve request for an extension until December 2020

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P2030.102.1

Standard for Interoperability of Internet Protocol Security (IPsec) Utilized within Utility Control Systems

Recommendation: Approve request for an extension until December 2021

IEEE Power and Energy Society/Power System Relaying and Control

PC37.242

Guide for Synchronization, Calibration, Testing, and Installation of Phasor Measurement Units (PMUs) for Power System Protection and Control

Recommendation: Approve request for an extension until December 2020

IEEE Power and Energy Society/Surge Protective Devices/Low Voltage

PC62.41.3

Guide for Interactions between Power System Disturbances and Surge Protective Devices

Recommendation: Approve request for an extension until December 2020

IEEE Power and Energy Society/Substations

P81

Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Grounding System

Recommendation: Approve request for an extension until December 2021

P1402

Guide for Physical Security of Electric Power Substations

Recommendation: Approve request for an extension until December 2021

P1427

Guide for Recommended Electrical Clearances and Insulation Levels in Air Insulated Electrical Power Substations
Recommendation: Approve request for an extension until December 2020

IEEE Power and Energy Society/Switchgear

PC37.62

Standard for Pad Mounted, Dry Vault, Submersible Fault, and Overhead Fault Interrupters for Alternating Current Systems up to 38 kV

Recommendation: Approve request for an extension until December 2020

IEEE Power and Energy Society/Transmission and Distribution

P1885

Guide for Assessing, Measuring and Verifying Volt-Var Control Optimization on Distribution Systems

Recommendation: Approve request for an extension until December 2020

IEEE Power and Energy Society/Transformers

PC57.12.60

Standard Test Procedure for Thermal Evaluation of Insulation Systems for Dry-Type Power and Distribution Transformers

Recommendation: Approve request for an extension until December 2020

PC57.13.8

Standard Requirements for Station Service Voltage Transformers

Recommendation: Approve request for an extension until December 2021

PC57.160

Guide for the Electrical Measurement of Partial Discharges in High Voltage Bushings and Instrument Transformers

Recommendation: Approve request for an extension until December 2020

IEEE Power Electronics Society/Standards Committee

P1573

Recommended Practice for Electronic Power Subsystems: Parameters, Interfaces, Elements, and Performance

Recommendation: Approve request for an extension until December 2020

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

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 2020

PC95.3

Recommended Practice for Measurements and Computations of Electric, Magnetic, and Electromagnetic Fields with Respect to Human Exposure to Such Fields, 0 Hz-300 GHz

Recommendation: Conditionally approve request for an extension until December 2021; contingent upon receipt of a timeline/action plan by the January NesCom meeting.

AI: Staff to obtain the timeline/action plan from the WG.

NB: The timeline has been received.

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P1653.5

Recommended Practice for Controlled Rectifiers for Traction Power Substation Applications

Recommendation: Approve request for an extension until December 2021

P1883

Recommended Practice for Electrical and Electro-Mechanical Bench Test Equipment (BTE) for Transit Rail Projects

Recommendation: Approve request for an extension until December 2021 (8 approve, 0 disapprove, 2 abstain [Levy, Winston])

P1884

Guide for Stray Current/Corrosion Mitigation for DC Rail Transit Systems

Recommendation: Approve request for an extension until December 2021

4.3 New PARs

IEEE-SA Board of Governors/Corporate Advisory Group

P2413.2

Standard for a Reference Architecture for Power Distribution IoT (PDIoT)

Recommendation: Approve new PAR until December 2023 (9 approve, 0 disapprove, 1 abstain [Levy])

IEEE Computer Society/Design Automation

P2851

Standard for Exchange/Interoperability Format for Functional Safety Analysis and Functional Safety Verification of IP, SoC, and Mixed Signal ICs

Recommendation: Approve new PAR until December 2023 (9 approve, 0 disapprove, 1 abstain [Levy])

IEEE Computer Society/Learning Technology

P9274.4.2

Recommended Practice for Cybersecurity in the Implementation of the Experience Application Programming Interface (xAPI)

Recommendation: Approve new PAR until December 2023 (9 approve, 0 disapprove, 1 abstain [Berkema])

IEEE Computer Society/Standards Activities Board

P1857.10

Standard for Third Generation Video Coding

Recommendation: Approve new PAR until December 2023

P2850

Standard for an Architectural Framework for Intelligent Cities Operation System

Recommendation: Approve new PAR until December 2023 (4 approve, 1 disapprove, 5 abstain)

P3333.1.4

Standard for the Quality Assessment of Light Field Imaging

Recommendation: Approve new PAR until December 2023

IEEE Consumer Electronics Society/Blockchain Standards Committee

P2141.2

Standard for Transforming Enterprise Information Systems from Centralized Architecture into Blockchain-Based Decentralized Architecture

Recommendation: Approve new PAR until December 2023

P2141.3

Standard for Transforming Enterprise Information Systems from Distributed Architecture into Blockchain-Based Decentralized Architecture

Recommendation: Approve new PAR until December 2023

IEEE Communications Society/Power Line Communications

P2847

Standard for DC Power Transmission and Communication to DC Loads

Recommendation: Approve new PAR until December 2023

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P2838

Standard for Aircraft Component Lightning Strike Direct Effects Qualification

Recommendation: Approve new PAR until December 2023

IEEE Instrumentation and Measurement Society/TC4 – High Frequency Measurement

P287.1

Standard for Precision Coaxial Connectors at RF, Microwave, and Millimeter-Wave Frequencies Part 1: General Requirements, Definitions, and Detailed Specifications

Recommendation: Approve new PAR until December 2023

IEEE Instrumentation and Measurement Society/TC9 – Sensor Technology

P1451.9

Standard for Tidal Turbine Health Monitoring System (HMS) with Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats

Recommendation: Approve new PAR until December 2023

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P1815.2

Standard Profile for Communications with Distributed Energy Resources (DERs) using IEEE Std 1815 [Distributed Network Protocol (DNP3)]

Recommendation: Approve new PAR until December 2023

IEEE Power and Energy Society/Power System Instrumentation and Measurements

P4.1

Guide for the Practical Implementation of IEEE Standard 4 on High-Voltage and High-Current Measurement Systems

Recommendation: Approve new PAR until December 2023

IEEE Power and Energy Society/Substations

PC37.431.20

Guide for Protecting Transmission Static Shunt Compensators

Recommendation: Approve new PAR until December 2023

IEEE Power and Energy Society/Transmission and Distribution

P2745.4

Guide for Technology of Unified Power Flow Controller Using Modular Multilevel Converter: Part 4 Control and Protection Application

Recommendation: Approve new PAR until December 2023

P2844

Recommended Practice for Limiting Voltage Imbalance in Electric Power Systems

Recommendation: Approve new PAR until December 2023

P2845

Trial Use Standard for Testing and Evaluating the Dielectric Performance of Celebratory Balloons in Contact with Overhead Power Distribution Lines Rated up to 38 kV System Voltage

Recommendation: Approve new PAR until December 2023

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

P1671.1-2017/Cor 1

Standard for Automatic Test Markup Language (ATML) Test Descriptions – Corrigendum 1

Recommendation: Approve new PAR until December 2023

P2848

Standard for Prognostics and Health Management in Automatic Test Systems

Recommendation: Approve new PAR until December 2023

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

P2030.10.2

Standard for Electricity Access Requirements for DC Low Power not exceeding 60 V

Recommendation: Approve new PAR until December 2023

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P2846

Formal Model for Safety Considerations in Automated Vehicle Decision Making

Recommendation: Approve new PAR until December 2023

4.4 PARs for the Revision of Standards

IEEE Aerospace and Electronic Systems Society/Gyro Accelerometer Panel

P1559

Standard for Inertial Systems Terminology

Recommendation: Approve PAR for the revision of a standard until December 2023

IEEE Antennas and Propagation Society/Antennas and Propagation Standards Committee

P145

Standard for Definitions of Terms for Antennas

Recommendation: Approve PAR for the revision of a standard until December 2023

IEEE Computer Society/Design Automation

P1800

Standard for SystemVerilog – Unified Hardware Design, Specification, and Verification Language

Recommendation: Approve PAR for the revision of a standard until December 2023

IEEE Computer Society/Software & Systems Engineering Standards Committee

P1228

Standard for Software Safety

Recommendation: Approve PAR for the revision of a standard until December 2023

IEEE Consumer Electronics Society/Standards Committee

P1851

Standard for Design Criteria of Integrated Sensor-Based Test Applications for Household Appliances

Recommendation: Approve PAR for the revision of a standard until December 2023

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

P2410

Standard for Biometric Privacy

Recommendation: Approve PAR for the revision of a standard until December 2023

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1017

Recommended Practice for Field Testing Electric Submersible Pump Cable

Recommendation: Approve PAR for the revision of a standard until December 2023

P1018

Recommended Practice for Specifying Electric Submersible Pump Cable – Ethylene-Propylene Rubber Insulation

Recommendation: Approve PAR for the revision of a standard until December 2023

P1019

Recommended Practice for Specifying Electric Submersible Pump Cable – Polypropylene Insulation

Recommendation: Approve PAR for the revision of a standard until December 2023

IEEE Power and Energy Society/Electric Machinery

P1415

Guide for Induction Machinery Maintenance Testing and Failure Analysis

Recommendation: Approve PAR for the revision of a standard until December 2023

P1799

Recommended Practice for Quality Control Testing of External Discharges on Stator Coils, Bars, and Windings

Recommendation: Approve PAR for the revision of a standard until December 2023

IEEE Power and Energy Society/Nuclear Power Engineering

P1682

Standard for Qualifying Fiber Optic Cables, Connections, and Optical Fiber Splices for Use in Safety Systems in Nuclear Power Generating Stations

Recommendation: Approve PAR for the revision of a standard until December 2023

P62582-3

Nuclear Power Plants – Instrumentation and Control Important to Safety – Electrical Equipment Condition Monitoring Methods – Part 3: Elongation at Break

Recommendation: Approve PAR for the revision of a standard until December 2023

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P643

Guide for Power-Line Carrier Applications

Recommendation: Approve PAR for the revision of a standard until December 2023

PC37.236

Guide for Power System Protective Relay Applications over Digital Communication Channels

Recommendation: Approve PAR for the revision of a standard until December 2023

IEEE Power and Energy Society/Substations

P1623

Guide for the Functional Specification of Medium Voltage (1 kV – 35 kV) Electronic Shunt Devices for Dynamic Voltage Compensation

Recommendation: Approve PAR for the revision of a standard until December 2023

IEEE Power and Energy Society/Transmission and Distribution

P691

Guide for Transmission Structure Foundation Design and Testing

Recommendation: Approve PAR for the revision of a standard until December 2023

P1410

Guide for Improving the Lightning Performance of Electric Power Overhead Distribution Lines

Recommendation: Approve PAR for the revision of a standard until December 2023

PC135.90

Standard for Pole Line Hardware for Overhead Line Construction

Recommendation: Approve PAR for the revision of a standard until December 2023

IEEE Power and Energy Society/Transformers

PC57.116

Guide for Transformers Directly Connected to Generators

Recommendation: Approve PAR for the revision of a standard until December 2023

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

P1526

Recommended Practice for Testing the Performance of Stand-Alone Photovoltaic Systems

Recommendation: Approve PAR for the revision of a standard until December 2023

5 OLD BUSINESS**5.1 myProject Update**

Annette Reilly provided an update on the progress of the myProject SASB ad hoc, including timelines for the expected cutover, upcoming volunteer testing, and the blackout period for balloting during the transition.

AI: Staff will communicate immediately with Standards Committees and Working Groups about the timing for balloting.

NB: Communication has taken place in multiple forms with stakeholders who could be affected.

5.2 Open Source Update

Robby Robson provided an update about the progress of Open Source activities. He explained that the recommended changes to the SASB Operations Manual and SASB Bylaws have now also been recommended for approval by ProCom to the SASB. The Maintainers Manual will be ready soon, and tools integration is ongoing.

6 NEW BUSINESS**6.1 Discussion About Cutoff Time for Replies to NesCom Comments - Phil Winston**

Phil Winston initiated a discussion about the potential for a cutoff time for NesCom comments and replies to NesCom comments. An ad hoc was formed to review the options that Phil described, along with the ideas that were discussed. Phil Winston will Chair the ad hoc, and members will include: Ted Burse, Matt Ceglia, Jonathan Goldberg, Yvette Ho Sang, Joseph Levy, Jon Rosdahl, Lisa Weisser, and Malia Zaman.

6.2 Discussion About Process for Joint Standards Committees - Ted Burse

Ted Burse initiated a discussion about the process for joint Standards Committees on projects. With the elimination of the Joint Sponsorship Agreement at the PAR submittal stage, there is no formal communication mechanism for Standards Committees at the PAR stage, which could lead to lack of awareness about being listed on a PAR as a joint Standards Committee, and also increases the potential for duplicate work. There was no action taken at this time, but a suggestion was made that this could be a future discussion at ProCom with regard to draft sharing.

7 DATE OF NEXT MEETING

The next meeting of NesCom will take place on 22 January 2020 by teleconference.

8 ADJOURNMENT

Chair Stanley thanked everyone for all of the work leading up to the meeting. Ted Burse congratulated Chair Stanley on a job well done. There being no further business, the meeting was adjourned at 1:20 p.m.