

IEEE SA Standards Board New Standards Committee (NesCom)

Meeting Minutes

02 December 2020

8:30 a.m. - 12:30 p.m. ET (UTC-5)

Teleconference

Members Present:

Ramy A. Fathy

Guido Hiertz

John Kulick

Haiying Lu

Riccardo Mariani

Chenhui Niu

Dorothy Stanley, Chair

Lei Wang

Sha Wei

Philip Winston

Daidi Zhong

Members Absent:

Ted Burse

Dong Liu

Guests:

Danny Akerman

Tarek Al-Sitt

Edward Au

Sarbani Belur

Tek Bahadur Chhetri

Allen Chen

Cailian Chen

Lu Chuan

Doug Edwards

János Farkas

Eve Gadzikwa

Maëva Ghonda

Latonia Gordon

Gary Hoffman

Lin Hu

Pan Hu

Ram Kumar

Jody Levine

Ming Li

Kevin Lu

Jim Matthews

Yilma Mengistu Mamo
Kannan Moudgalya
Paul Nikolich
Glenn Parsons
Joshua Perkel
Robby Robson
Jessy Rouyer
Subbu Subramanian
Lin Sun
Zeyang Tang
Richard Tong
Claire Topp [legal counsel]
Karl Weber
Constance Weise
Don Wright
Yu Yuan
Su Yuyang
Jingyi Zhou
Jinyu Zhu

IEEE Staff:

Christy Bahn
Matt Ceglia
Sri Chandrasekaran
Ravindra Desai
Karen Evangelista
Jodi Haasz
Yvette Ho Sang
Konstantinos Karachalios
Soo Kim
Michael Kipness
Vanessa Lalitte
Kristin Little
Jiajia Liu
Kelly Lorne
Greg Marchini
Karen McCabe
Erin Morales
Adam Newman
Jay Okesola
Christian Orlando
Dave Ringle
Pat Roder
Jennifer Santulli
Rudi Schubert
Tom Thompson
Lisa Weisser, Administrator

Malia Zaman
Meng Zhao

[Unless otherwise noted, all votes are unanimous]

1. CALL TO ORDER AND INTRODUCTIONS

Chair Stanley welcomed everyone and called the meeting to order at 8:33 a.m. ET (UTC-5). There was a round of introductions by all in attendance.

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 (Winston) and seconded (Wei) to approve the 02 December 2020 NesCom meeting agenda, including all items on the consent agenda. In the absence of objection, the motion was approved.

2.1 Consent Agenda

2.1.1 Withdrawal Requests

There were no withdrawal requests.

2.1.2 PARs for Administrative Withdrawal

P982.1 (C/S2ESC)

Standard for Measures of the Software Aspects of Dependability
(Revision PAR)

P2048.1 (CES/VRARSC)

Standard for Virtual Reality and Augmented Reality: Device Taxonomy and Definitions
(New PAR)

P2048.2 (CES/VRARSC)

Standard for Virtual Reality and Augmented Reality: Immersive Video Taxonomy and Quality Metrics
(New PAR)

P2048.3 (CES/VRARSC)

Standard for Virtual Reality and Augmented Reality: Immersive Video File and Stream Formats
(New PAR)

P2048.4 (CES/VRARSC)

Standard for Virtual Reality and Augmented Reality: Person Identity
(New PAR)

P2048.5 (CES/VRARSC)

Standard for Virtual Reality and Augmented Reality: Environment Safety
(New PAR)

P1921.1 (COM/NetSoft-SC)

Standard for Software-Defined Networking (SDN) Bootstrapping Procedures
(New PAR)

P2710 (EMC/SDCom)

Electromagnetic Shielding Performance of Enclosures for Portable Electronic Devices
(New PAR)

P1451.1.4 (IM/ST)

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

P1050 (PE/EDPG)

Guide for Instrumentation and Control Equipment Grounding in Generating Stations
(Revision PAR)

P825 (PE/SBLC)

Guide for Interoperability of Transactive Energy Systems with Electric Power Infrastructure (Building the Enabling Network for Distributed Energy Resources)
(New PAR)

P1654 (PE/T&D)

Guide for RF Protection of Personnel Working in the Vicinity of Wireless Communications Antennas Attached to Electric Power Line Structures
(Revision PAR)

P977a (PE/T&D)

Guide to Installation of Foundations for Transmission Line Structures Amendment
(New PAR)

P60214-1-57-131 (PE/TR)

Standard Requirements for Tap Changers
(New PAR)

P2690 (VT/ITS)

Standard for Charging Network Management Protocol for Electric Vehicle Charging Systems
(New PAR)

2.1.3. Project Number Change Request for P2880 'Standard for High Voltage Direct Current Circuit Breakers above 3200 Vdc'

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 P2880 to PC37.01.

2.1.4. Standards Committee Change request for P2418.5 'Standard for Blockchain in Energy' to Move from BOG/CAG to PE/SBLC

NB: The approval of this Standards Committee change request was included in the approval of the agenda and consent agenda. The PAR P2418.5 has been moved from BOG/CAG to PE/SBLC.

2.1.5. Standards Committee Change request for P2418.1 'Standard for the Framework of Blockchain Use in Internet of Things (IoT)' to Move from BOG/CAG to CTS/BSC

NB: The approval of this Standards Committee change request was included in the approval of the agenda and consent agenda. The PAR P2418.1 has been moved from BOG/CAG to CTS/BSC.

3 APPROVAL OF MINUTES FROM THE 21 SEPTEMBER 2020 MEETING

This item was moved to the January NesCom agenda.

4 PARS FOR DISCUSSION

4.1 Modified PARs

IEEE Communications Society/Access and Core Networks Standards Committee

P1904.2

Standard for Control and Management of Virtual Links in Ethernet-based Subscriber Access Networks

Recommendation: Approve modified PAR

IEEE Computer Society/LAN/MAN Standards Committee

P802.16t

Standard for Air Interface for Broadband Wireless Access Systems Amendment - Fixed and Mobile Wireless Access in Narrowband Channels

Recommendation: Approve modified PAR

IEEE Industry Applications Society/Petroleum & Chemical Industry

P62395

Electrical Resistance Trace Heating Systems for Industrial and Commercial Applications – Part 1: General and Testing Requirements

Recommendation: Approve modified PAR

NB: This modified PAR included a PAR number change request, and this PAR number is now: P62395-1.

IEEE Power and Energy Society/Energy Development & Power Generation

P2800

Standard for Interconnection and Interoperability of Inverter-Based Resources (IBR) Interconnecting with Associated Transmission Electric Power Systems

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Power System Relaying and Control

P1613

Standard for Environmental and Testing Requirements for Devices with Communications Functions Used with Electric Power Apparatus

Recommendation: Approve modified PAR

PC37.1.2

Guide for Databases Used in Utility Automation Systems

Recommendation: Approve modified PAR

PC37.90

Standard for Relays, Relay Systems, and Control Devices used for Protection and Control of Electric Power Apparatus – General Requirements and Tests

Recommendation: Approve modified PAR

PC37.90.2

Standard for Relays, Relay Systems, and Control Devices Used for Protection and Control of Electric Power Apparatus – Radiated Electromagnetic Interference Withstand Capability Requirements and Tests

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Switchgear

PC37.09-2018/Cor 1

Standard Test Procedures for AC High-Voltage Circuit Breakers with Rated Maximum Voltage above 1000 V - Corrigendum 1

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Transmission and Distribution

P1453

Standard for Measurement and Limits of Voltage Fluctuations and Associated Light Flicker on AC Power Systems

Recommendation: Approve modified PAR

IEEE SA Board of Governors/Corporate Advisory Group

P2418.1

Standard for the Framework of Blockchain Use in Internet of Things (IoT)

Recommendation: Approve modified PAR (4 approve, 1 disapprove [Winston], 3 Abstain [Fathy, Hiertz, Lu])

P2418.5

Standard for Blockchain in Energy

Recommendation: Approve modified PAR (5 approve, 1 disapprove [Winston], 2 abstain [Hiertz, Lu])

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

PC95.7

Standard for Electromagnetic Energy Safety Programs, 0 Hz to 300 GHz

Recommendation: Approve modified PAR

4.2 Extension Requests

IEEE Communications Society/Access and Core Networks Standards Committee

P1904.2

Standard for Universal Management Tunnel for Ethernet-based Subscriber Access Networks

Recommendation: Approve request for an extension until December 2021

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 2021

P1900.6b

Standard for Spectrum Sensing Interfaces and Data Structures for Dynamic Spectrum Access and Other Advanced Radio Communication Systems - Spectrum Database Interfaces Amendment

Recommendation: Approve request for an extension until December 2022

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

P1913

Software-Defined Quantum Communication

Recommendation: Approve request for an extension until December 2022

P1930.1

Recommended Practice for Software Defined Networking (SDN) Based Middleware for Control and Management of Wireless Networks

Recommendation: Approve request for an extension until December 2022

IEEE Computer Society/Simulation Interoperability Stds Organization/Std Activity Committee

P1516

Standard for Modeling and Simulation (M&S) High Level Architecture (HLA) -- Framework and Rules

Recommendation: Approve request for an extension until December 2023

P1516.1

Standard for Modeling and Simulation (M&S) High Level Architecture (HLA) -- Federate Interface Specification

Recommendation: Approve request for an extension until December 2023

P1516.2

Standard for Modeling and Simulation (M&S) High Level Architecture (HLA) -- Object Model Template (OMT) Specification

Recommendation: Approve request for an extension until December 2023

IEEE Computer Society/Software & Systems Engineering Standards Committee

P2675

DevOps - Standard for Building Reliable and Secure Systems Including Application Build, Package, and Deployment

Recommendation: Approve request for an extension until December 2021

P7000

Model Process for Addressing Ethical Concerns During System Design

Recommendation: Approve request for an extension until December 2021

IEEE Dielectrics and Electrical Insulation Society/Standards Committee

P1820

Guide on the Selection of Transmission and Distribution Insulators with Respect to Cold Weather Conditions

Recommendation: Approve request for an extension until December 2021

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P473

Recommended Practice for an Electromagnetic Site Survey (10 kHz to 40 GHz)

Recommendation: Approve request for an extension until December 2022

P1897

Recommended Practice for the Resolution of Power-Line Gap-Noise Reports

Recommendation: Approve request for an extension until December 2022

P2715

Guide for the Characterization of the Shielding Effectiveness of Planar Materials

Recommendation: Approve request for an extension until December 2022

P2716

Guide for the Characterization of the Effectiveness of Printed Circuit Board Level Shielding

Recommendation: Approve request for an extension until December 2022

IEEE Engineering in Medicine and Biology Society/Standards Committee

P3333.2.2

Standard for Three-Dimensional (3D) Medical Visualization

Recommendation: Approve request for an extension until December 2022 (7 approve, 0 disapprove, 1 abstain)

P3333.2.3

Standard for Three-Dimensional (3D) Medical Data Management

Recommendation: Approve request for an extension until December 2022 (7 approve, 0 disapprove, 1 abstain)

P3333.2.4

Standard for Three-Dimensional (3D) Medical Simulation

Recommendation: Approve request for an extension until December 2022 (7 approve, 0 disapprove, 1 abstain)

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

P3004.7

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

Recommendation: Approve request for an extension until December 2021

IEEE Industry Applications Society/Petroleum & Chemical Industry

P303

Recommended Practice for Auxiliary Devices for Rotating Electrical Machines in Class I, Division 2, and Zone 2 Locations and Class II, Division 2, and Zone 22 Locations

Recommendation: Approve request for an extension until December 2022

P841

Standard for Petroleum and Chemical Industry -- Premium-Efficiency, Severe-Duty, Totally Enclosed Squirrel Cage Induction Motors -- 0.75-370 kW (1-500 hp)

Recommendation: Approve request for an extension until December 2022

P841.1

Standard for Process Industry -- IE3, Severe-Duty, IP 56 Squirrel Cage Induction Motors -- Up to and Including 370 kW

Recommendation: Approve request for an extension until December 2022

P1580

Recommended Practice for Marine Cable for Use on Shipboard and Fixed or Floating Facilities

Recommendation: Approve request for an extension until December 2021

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

P1451.99

Standard for Harmonization of Internet of Things (IoT) Devices and Systems

Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Energy Development & Power Generation

P421.1

Standard Definitions for Excitation Systems for Synchronous Machines

Recommendation: Approve request for an extension until December 2021

P421.5

Recommended Practice for Excitation System Models for Power System Stability Studies

Recommendation: Approve request for an extension until December 2022

P665

Guide for Generating Station Grounding

Recommendation: Approve request for an extension until December 2023

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

P450

Recommended Practice for Maintenance, Testing, and Replacement of Vented Lead-Acid Batteries for Stationary Applications

Recommendation: Approve request for an extension until December 2021

IEEE Power and Energy Society/Insulated Conductors

P400.3

Guide for Partial Discharge Field Diagnostic Testing of Shielded Power Cable Systems

Recommendation: Approve request for an extension until December 2021 (8 approve, 0 disapprove, 1 abstain [Winston])

P495

Guide for Testing Faulted Circuit Indicators

Recommendation: Approve request for an extension until December 2022

P532

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

Recommendation: Approve request for an extension until December 2021

P1120

Guide for the Planning, Design, Installation, and Repair of Submarine Power Cable Systems

Recommendation: Approve request for an extension until December 2022

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 2021

P2412

Standard Test for Determining Circuit Integrity Performance of Fire Resistive Cable Systems in Passenger Rail and Road Tunnels

Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Nuclear Power Engineering

P2425

Standard for Electromagnetic Compatibility Testing of Electrical and Instrumentation and Control Equipment at Nuclear Power Generating Stations and Other Nuclear Facilities

Recommendation: Approve request for an extension until December 2023

P63113

Nuclear Facilities - Instrumentation Important To Safety - Spent Fuel Pool Instrumentation

Recommendation: Approve request for an extension until December 2021

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P1711

Standard for a Cryptographic Protocol for Electric Power System (EPS) Communications Links

Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Power System Instrumentation and Measurements

P510

Guide for Electrical Safety in High-Voltage Testing

Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Power System Relaying and Control

PC37.1.2

Recommended Practice for Databases Used in Utility Automation Systems

Recommendation: Approve request for an extension until December 2022

PC37.91

Guide for Protecting Power Transformers

Recommendation: Approve request for an extension until December 2021

PC37.249

Guide for Categorizing Security Needs for Protection and Automation Related Data Files

Recommendation: Approve request for an extension until December 2021

PC37.251

Standard for Common Protection and Control Settings or Configuration Data Format (COMSET)

Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Substations

P998

Guide for Direct Lightning Stroke Shielding of Substations

Recommendation: Approve request for an extension until December 2022

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

PC62.230

Guide for Surge Protection of Electric Vehicle Infrastructure

Recommendation: Approve request for an extension until December 2021

IEEE Power and Energy Society/Switchgear

PC37.30.1

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

Recommendation: Approve request for an extension until December 2022

PC37.66

Standard Requirements for Capacitor Switches for AC Systems (1 kV to 38 kV)

Recommendation: Approve request for an extension until December 2021

IEEE Power and Energy Society/Transformers

PC57.16

Standard for Requirements, Terminology, and Test Code for Dry-Type Air-Core Series-Connected Reactors

Recommendation: Approve request for an extension until December 2022

PC57.18.10

Standard Practices and Requirements for Semiconductor Power Rectifier Transformers

Recommendation: Approve request for an extension until December 2022

PC57.21

Standard Requirements, Terminology, and Test Code for Shunt Reactors Rated Over 500 kVA

Recommendation: Approve request for an extension until December 2021

PC57.162

Guide for the Interpretation of Moisture Related Parameters in Dry, Gas Insulated, and Liquid Immersed Transformers and Reactors

Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Transmission and Distribution

P18

Standard for Shunt Power Capacitors

Recommendation: Approve request for an extension until December 2022

P519.1

Guide for Applying Harmonic Limits on Power Systems

Recommendation: Approve request for an extension until December 2022

P957

Guide for Monitoring, Managing and Cleaning of Contaminated Insulators

Recommendation: Approve request for an extension until December 2022

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 2021

IEEE SA Board of Governors/Corporate Advisory Group

P1858

Standard for Camera Phone Image Quality (CPIQ)

Recommendation: Approve request for an extension until December 2022

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P2020

Standard for Automotive System Image Quality

Recommendation: Approve request for an extension until December 2022

P7001

Transparency of Autonomous Systems

Recommendation: Approve request for an extension until December 2021

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P1653.3

Guide for Rail Transit Traction Power Systems Modeling

Recommendation: Approve request for an extension until December 2021

P2406

Standard for Design and Construction of Non-Load Break Disconnect Switches for Direct Current Applications on Transit Systems

Recommendation: Approve request for an extension until December 2022

P2720

Rail Potential Management Guide for Direct Current Traction Electrification Systems

Recommendation: Approve request for an extension until December 2021

IEEE-SASB Coordinating Committees/SCC14 - Quantities, Units, and Letter Symbols

P260.1

Standard Letter Symbols for Units of Measurement (SI Units, Customary Inch-Pound Units, and Certain Other Units)

Recommendation: Approve request for an extension until December 2024 (8 approve, 0 disapprove, 1 abstain [Winston])

P280

Standard Letter Symbols for Quantities Used in Electrical Science and Electrical Engineering

Recommendation: Approve request for an extension until December 2021

IEEE-SASB Coordinating Committees/SCC31 - Automatic Meter Reading and Energy Management

P1704

Standard for Utility Industry End Device Communications Module

Recommendation: Approve request for an extension until December 2021

4.3 New PARs

IEEE Computer Society/Blockchain and Distributed Ledgers

P3215

Standard for Consensus Framework for Blockchain System

Recommendation: Approve new PAR until December 2024

P3216

Standard for Blockchain Service Capability Evaluation

Recommendation: Approve new PAR until December 2024

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P2978

Standard for Quantum Risk Management for the Board of Directors

Recommendation: Defer new PAR until the next NesCom meeting to provide time for comments to be resolved. Chair Stanley and Ramy Fathy will work with the Chair during this process.

IEEE Computer Society/LAN/MAN Standards Committee

P802.1DP

Standard for Local and Metropolitan Area Networks – Time-Sensitive Networking for Aerospace Onboard Ethernet Communications

Recommendation: Approve new PAR until December 2024

P802.15.4aa

Standard for Low-Rate Wireless Networks Amendment: Higher Data Rate extension to IEEE 802.15.4 Smart Utility Network (SUN) Frequency Shift Keying (FSK) Physical Layer (PHY)

Recommendation: Approve new PAR until December 2024

IEEE Computer Society/Learning Technology

P2955

Recommended Practice for Creating Self Learning Tutorials and Side by Side Learning

Recommendation: Defer new PAR until the next NesCom meeting due to late replies to comments that NesCom members did not get to review. (6 approve, 0 disapprove, 3 abstain [Wang, Wei, Zhong])

IEEE Computer Society/Smart Manufacturing Standards Committee

P2971

Standard for the Test Requirements of a Gateway Supporting a Time Sensitive Networking in the Field of Industrial Internet

Recommendation: Approve new PAR until December 2024 (2 approve, 1 disapprove [Hiertz], 6 abstain [Fathy, Kulick, Niu, Wang, Wei, Zhong])

P2972

Standard for General Requirements of Gateway Supporting Time Sensitive Networking in Factory Environments

Recommendation: Defer new PAR until the next NesCom meeting to allow time for discussion about collaboration with IEEE 802. (6 approve, 0 disapprove, 3 abstain [Fathy, Wei, Zhong])

P2975

Standard for Industrial Artificial Intelligence (AI) Data Attributes

Recommendation: Approve new PAR until December 2024

IEEE Computer Society/Standards Activities Board

P2888.2

Standard for Actuator Interface for Cyber and Physical Worlds

Recommendation: Approve new PAR until December 2024

P2888.3

Standard on Orchestration of Digital Synchronization Between Cyber and Physical Worlds

Recommendation: Approve new PAR until December 2024

P2888.4

Standard on Architecture for Virtual Reality Disaster Response Training System with Six degrees of Freedom (6 DoF)

Recommendation: Approve new PAR until December 2024

P2945

Standard for Technical Requirements for Face Recognition Systems

Recommendation: Approve new PAR until December 2024 (8 approve, 0 disapprove, 1 abstain [Fathy])

IEEE Consumer Electronics Society/Digital Finance and Economy Standards Committee

P3807

Standard for Consortium Chain Certificate Application

Recommendation: Approve new PAR until December 2024

P3808

Standard for Consortium Chain Traceability Application

Recommendation: Approve new PAR until December 2024

IEEE Consumer Electronics Society/Smart Devices Standards Committee

P2953

Standard for Technical Requirements for Industrial Smart Terminal Devices

Recommendation: Approve new PAR until December 2024 (7 approve, 0 disapprove, 2 abstain [Fathy, Wei])

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

P11073-10101c

Standard for Health informatics -- Point-of-Care Medical Device Communication - Part 10101: Nomenclature Amendment 3: Additional Definitions

Recommendation: Approve new PAR until December 2024 (8 approve, 0 disapprove, 1 recuse [Zhong])

IEEE Industry Applications Society/Petroleum & Chemical Industry

P62395-2

Electrical Resistance Trace Heating Systems for Industrial and Commercial Applications Part 2: Application Guide for System Design, Installation, and Maintenance

Recommendation: Approve new PAR until December 2024

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

P1588g

Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems - Amendment: Master-slave optional alternative terminology

Recommendation: Approve new PAR until December 2024

IEEE Power and Energy Society/Transformers

PC57.105-2019/Cor 1

Guide for Application of Transformer Connections in Three-Phase Electrical Systems - Corrigendum 1 - Update Table 1—Application characteristics of connections

Recommendation: Approve new PAR until December 2024

IEEE Power and Energy Society/Transmission and Distribution

P987

Guide for Application of Composite Insulators for Overhead Electric Power Lines

Recommendation: Approve new PAR until December 2024

P2942

Guide for In-Service Application, Care, Maintenance, and Testing of Insulating Flexible Sling for Live Working

Recommendation: Approve new PAR until December 2024

P2974

Guide for System Commissioning of Medium and Low (750 V to ± 50 kV) Voltage Direct Current Distribution Network

Recommendation: Approve new PAR until December 2024

IEEE SA Board of Governors/Corporate Advisory Group**P2958**

Standard for a Decentralized Identity and Access Management Framework for Internet of Things

Recommendation: Approve new PAR until December 2024

P2973

Guide for Field Calibration System for Current Carrying Capacity of Overhead Transmission Lines

Recommendation: Approve new PAR until December 2024

IEEE Vehicular Technology Society/Intelligent Transportation Systems**P2030.1.2**

Standard Technical Specifications for Ultra-High-Power Electric Vehicle Chargers

Recommendation: Approve new PAR until December 2024

IEEE Vehicular Technology Society/Rail Transportation Standards Committee**P2970**

Guide for Synchronous Monitoring of the Magnitude and Distribution of Stray Current in Urban Rail Transit's Direct Current Traction System

Recommendation: Approve new PAR until December 2024

IEEE-SASB Coordinating Committees/SCC39 - International Committee on Electromagnetic Safety**P62209-3**

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 3: Vector Measurement-based Systems (Frequency range of 600 MHz to 6 GHz)

Recommendation: Approve new PAR until December 2024

4.4 PARs for the Revision of Standards**IEEE Computer Society/Test Technology****P1450**

Standard Test Interface Language (STIL) for Digital Test Vector Data

Recommendation: Approve PAR for the revision of a standard until December 2024

P1450.1

Standard for Extensions to Standard Test Interface Language (STIL) (IEEE Std 1450-1999) for Semiconductor Design Environments

Recommendation: Approve PAR for the revision of a standard until December 2024

P1450.6

Standard Test Interface Language (STIL) for Digital Test Vector Data-Core Test Language (CTL)

Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Industry Applications Society/Petroleum & Chemical Industry**P45.2**

Recommended Practice for Electrical Installations on Shipboard -- Controls and Automation

Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Insulated Conductors**P1511**

Guide for Investigating and Analyzing Power Cable, Joint, and Termination Failures on Systems Rated 2.5 kV through 46 kV

Recommendation: Approve PAR for the revision of a standard until December 2024

P1511.1

Guide for Investigating and Analyzing Shielded Power Cable Failures on Systems Rated 2.5 kV through 46 kV

Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Nuclear Power Engineering**PC37.98**

Standard for Seismic Qualification Testing of Protective Relays and Auxiliaries for Nuclear Facilities

Recommendation: Approve PAR for the revision of a standard until December 2024

PC37.105

Standard for Qualifying Class 1E Protective Relays and Auxiliaries for Nuclear Power Generating Stations and Other Nuclear Facilities

Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Power System Communications and Cybersecurity**P1615**

Recommended Practice for Network Communication for Electric Power Substation Monitoring and Control

Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Power System Relaying and Control**PC37.95**

Guide for Protective Relaying of Utility-Consumer Interconnections

Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Switchgear**PC37.10**

Guide for Investigation, Analysis, and Reporting of Failures of AC High-Voltage Circuit Breakers and Circuit Switchers with Rated Maximum Voltage above 1000 V

Recommendation: Approve PAR for the revision of a standard until December 2024

PC37.20.1

Standard for Metal-Enclosed Low-Voltage (1000 Vac and below, 3200 Vdc and below) Power Circuit Breaker Switchgear

Recommendation: Approve PAR for the revision of a standard until December 2024

PC37.012

Guide for the Application of Capacitance Current Switching for AC High-Voltage Circuit Breakers above 1000 V

Recommendation: Approve PAR for the revision of a standard until December 2024

PC37.100.2

Standard for Common Requirements for Testing of AC Capacitive Current Switching Devices over 1000 V

Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Transformers

P259

Standard Test Procedure for Evaluation of Systems of Insulation for Dry-Type Specialty and General-Purpose Transformers

Recommendation: Approve PAR for the revision of a standard until December 2024

PC57.131

Standard Performance Requirements and Test Methods for Tap-changers

Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Transmission and Distribution

P1243

Guide for Improving the Lightning Performance of Transmission Lines

Recommendation: Approve PAR for the revision of a standard until December 2024

P1854

Guide for Smart Distribution Applications

Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power Electronics Society/Standards Committee

P393

Standard for Test Procedures for Magnetic Cores

Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE SA Board of Governors/Corporate Advisory Group

P1863

Guide for Overhead Alternating Current (AC) Transmission Line Design

Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE-SASB Coordinating Committees/SCC39 - International Committee on Electromagnetic Safety**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: Approve PAR for the revision of a standard until December 2024

5. OLD BUSINESS**5.1. DISCUSSION - RECOMMENDATION ON REVIEW PERIOD COMMENT TIMEFRAMES**

This discussion continued from the March 2020 NesCom meeting when the ad hoc previously formed to address the topic of review period comment timeframes presented feedback received from its recommendations. Chair Stanley took the action to continue the discussions about setting expectations for NesCom review comments and replies, and the appropriate way to make the expectations known and to see if there is interest in moving forward with the recommendations.

Following the discussion during this meeting, a motion was made (Winston) and seconded (Zhong) to approve the recommended changes to the NesCom Conventions with updates from this meeting.

Motion: Approve the following changes to NesCom Convention #8, to be implemented by 30 December 2020. These changes update the convention to add guidance on timely comment submittal by committee members: NesCom Convention 8, see <https://standards.ieee.org/about/sasb/nescom/conv.html>. In the absence of objection, the motion was approved.

- a. Responsibility of NesCom member - Each NesCom member should post preliminary votes and any comments during the first 2 weeks of the "Review" period ("Individual Review" period, typically a one week interval, and the first week of the "Open Review" period). Each NesCom member should review comments and comment dialog during the "Review" period as needed, and at the latest, by the Friday prior to the scheduled NesCom meeting.
- b. Responsibility of Standards Committee/Working Group Chair - It is important that comments be resolved during the "Open Review" period, and prior to the NesCom meeting. If a NesCom member posts a comment, an initial response is requested from the Standards Committee/Working Group Chair within one week. This allows sufficient time for any required follow-up actions such as additional NesCom member comments to the response and for changes to be applied to the PAR. If the **Standards Committee/Working Group Chair fails to respond** to NesCom member comments by the Friday prior to the scheduled NesCom meeting, the PAR may be deferred to the next meeting, or disapproved.

NB: This update has been made to NesCom Convention 8.

Another recommendation about whether or not to eliminate the Individual Review Period was deferred to the January 2021 NesCom meeting due to lack of time.

5.2. COMMITTEE MEMBER INTERACTIONS/COMMENTS RE: MYPROJECT

This agenda item was deferred to the January 2021 NesCom meeting due to lack of time.

NB: This is a standing agenda item and if anyone has any feedback about their user experience with myProject, please let Lisa Weisser know.

5.3. ADDITION TO PAR EXTENSION REQUEST FORM

This agenda item was deferred to the January 2021 NesCom meeting due to lack of time.

5.4. INFORMATION ITEM ON OSCOM

This agenda item was deferred to the January 2021 NesCom meeting due to lack of time.

5.5. EXTENDED/EARLY REVIEW PERIOD

This agenda item was deferred to the January 2021 NesCom meeting due to lack of time.

5.6. REVISION/EXTENSION PAR MODIFICATIONS

This agenda item was deferred to the January 2021 NesCom meeting due to lack of time.

6. NEW BUSINESS

6.1. MYPROJECT UPDATE

This agenda item was deferred to the January 2021 NesCom meeting due to lack of time.

7 DATE OF NEXT MEETING

The next meeting of the 2020 NesCom will take place on 26 January 2021 by teleconference. Chair Stanley noted that more time would be allocated to the January NesCom meeting so the discussion items can be addressed.

8 ADJOURNMENT

Chair Stanley thanked everyone for their work this year with a record-setting number of PARs reviewed, and she thanked the Working Groups. She wished everyone happy holidays and the best in 2021. There being no further business, the meeting was adjourned at 12:32 p.m. ET (UTC-5).