IEEE SA Standards Board New Standards Committee (NesCom)

Meeting Minutes
21 September 2020
9:30 a.m. - 11:30 a.m. ET (UTC-4)
Teleconference

Members Present:
Ted Burse
Ramy A. Fathy
Guido Hiertz
John Kulick
Haiying Lu
Chenhui Niu
Dorothy Stanley, Chair
Lei Wang
Sha Wei
Philip Winston
Daidi Zhong

Members Absent:
Dong Liu
Riccardo Mariani

Guests:
Wenting Chang
Jiangning Chen
Xiaofei Dong
Yan Du
Jean-Philippe Faure
Latonia Gordon
Simon Hicks
Gary Hoffman
Pan Hu
Xiaohui Liu
Kevin Lu
Nara Luan
Jim Matthews
Francois Ortolan
Robby Robson
Jon Rosdahl
Yonghong Tian
Richard Tong

IEEE Staff:
Claire Topp [legal counsel]
Yvonne Umutoni
Karl Weber
Don Wright
Fan Yang
Yu Yuan
Jingyi Zhou
Christy Bahn
Adrien Barmaksiz
Matt Ceglia
Sri Chandrasekaran
Karen Evangelista
Jodi Haasz
Yvette Ho Sang
Konstantinos Karachalios
Soo Kim
Michael Kipness
Vanessa Lalitte
Kristin Little
Jiajia Liu
Kelly Lorne
Erin Morales
Adam Newman
Christian Orlando
Dave Ringle
Pat Roder
Anasthasie Sainvilus-Cantrell
Jennifer Santulli
Rudi Schubert
Alpesh Shah
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 9:30 a.m. ET. 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 21 September 2020 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/LAN/MAN Standards Committee

P802.19.2
Recommended Practice for Local and Metropolitan Area Networks - Part 19: Coexistence of Unlicensed Wireless Systems in a Vehicular Environment
Recommendation: Approve PAR withdrawal

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

P11073-10316
Trial-Use Health Informatics -- Device Interoperability -- Part 10316: Point-of-Care Medical Device Communication -- Device Specialization -- Dialysis Device
Recommendation: Approve PAR withdrawal

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

P1451.1
Standard for Smart Transducer Interface for Sensors and Actuators - Common Network Services
Recommendation: Approve PAR withdrawal

P1451.2
Recommendation: Approve PAR withdrawal

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

PC95.4
Recommended Practice for Determining Safe Distances from Radio Frequency Transmitting Antennas when Using Electric Blasting Caps during Explosive Operations
Recommendation: Approve PAR withdrawal

2.1.2 Project Number Change Request for P387 'Nuclear Facilities - Electrical Power Systems - Part 387: Diesel Generator Units Applied as Standby Power Sources'
NB: The approval of this project number change request was included in the approval of the agenda and consent agenda. The PAR number has been changed from P387 to P63332-387.

3 APPROVAL OF MINUTES FROM THE 29 APRIL 2020 AND 2 JUNE 2020 MEETINGS

A motion was made (Wei) and seconded (Winston) to approve the minutes of the 29 April 2020 NesCom meeting. In the absence of objection, the motion was approved.

A motion was made (Winston) and seconded (Burse) to approve the minutes of the 2 June 2020 NesCom meeting. In the absence of objection, the motion was approved.

4 PARS FOR DISCUSSION

4.1 Modified PARs

IEEE Communications Society/Access and Core Networks Standards Committee

P1910.1
Standard for Meshed Tree Bridging with Loop Free Forwarding
Recommendation: Approve modified PAR

IEEE Communications Society/Mobile Communication Networks Standards Committee

P1920.1
Aerial Communications and Networking Standards
Recommendation: Approve modified PAR

IEEE Computer Society/Software & Systems Engineering Standards Committee

P12207-2
Recommendation: Approve modified PAR

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1017.1
Recommended Practice for Field Testing Electric Submersible Pump Cable
Recommendation: Approve modified PAR

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

P1451.99
Standard for Harmonization of Internet of Things (IoT) Devices and Systems
Recommendation: Approve modified PAR

IEEE Power and Energy Society/Nuclear Power Engineering

P387
Nuclear Facilities – Electrical Power Systems – Part 387: Diesel Generator Units Applied as Standby Power Sources
Recommendation: Approve modified PAR
P2411
Recommendation: Approve modified PAR

IEEE Power and Energy Society/Switchgear

PC37.04-2018/Cor 1
Standard for Ratings and Requirements for AC High-Voltage Circuit Breakers with Rated Maximum Voltage above 1000 V - Corrigendum 1
Recommendation: Approve modified PAR

IEEE SA Board of Governors/Corporate Advisory Group

P2777
Recommended Practice for Operation of 300 MW to 600 MW Pulverized Coal Fired Boiler
Recommendation: Approve modified PAR

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.3
Standard for Wireless Access in Vehicular Environments (WAVE) -- Networking Services
Recommendation: Approve modified PAR

P2846
Assumptions for Models in Safety-Related Automated Vehicle Behavior
Recommendation: Approve modified PAR

4.2 Extension Requests

IEEE Antennas and Propagation Society/Antennas and Propagation Standards Committee

P149
Recommended Practice for Antenna Measurements
Recommendation: Approve request for an extension until December 2021

IEEE Communications Society/Green ICT Standards Committee

P1922.1
Standard for a Method for Calculating Anticipated Emissions Caused by Virtual Machine Migration and Placement
Recommendation: Approve request for an extension until December 2022

P1923.1
Standard for Computation of Energy Efficiency Upper Bound for Apparatus Processing Communication Signal Waveforms
Recommendation: Approve request for an extension until December 2021

P1924.1
Recommended Practice for Developing Energy Efficient Power-Proportional Digital Architectures
Recommendation: Approve request for an extension until December 2022
P1925.1
Standard for Energy Efficient Dynamic Line Rate Transmission System
Recommendation: Approve request for an extension until December 2022

P1926.1
Recommendation: Approve request for an extension until December 2022

P1927.1
Standard for Services Provided by the Energy-Efficient Orchestration and Management of Virtualized Distributed Data Centers Interconnected by a Virtualized Network
Recommendation: Approve request for an extension until December 2022

P1928.1
Standard for a Mechanism for Energy Efficient Virtual Machine Placement
Recommendation: Approve request for an extension until December 2022

P1929.1
An Architectural Framework for Energy Efficient Content Distribution
Recommendation: Approve request for an extension until December 2022

IEEE Communications Society/Mobile Communication Networks Standards Committee

P1918.1
Tactile Internet: Application Scenarios, Definitions and Terminology, Architecture, Functions, and Technical Assumptions
Recommendation: Approve request for an extension until December 2022

P1918.1.1
Haptic Codecs for the Tactile Internet
Recommendation: Approve request for an extension until December 2022

P1920.1
Aerial Communications and Networking Standards
Recommendation: Approve request for an extension until December 2022

IEEE Computer Society/LAN/MAN Standards Committee

P802.11ax
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 Enhancements for High Efficiency WLAN
Recommendation: Approve request for an extension until December 2021

P802.11ba
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: Wake-up Radio Operation

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

P802.15.22.3
Standard for Spectrum Characterization and Occupancy Sensing

**Recommendation: Defer request for an extension until the next NesCom meeting; based on whether RevCom and the SASB do not approve the standard.**

*NB: RevCom and the SASB approved the standard and the extension request is no longer needed.*

IEEE Computer Society/Software & Systems Engineering Standards Committee

P7002
Data Privacy Process

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

IEEE Computer Society/Test Technology

P1687.1
Standard for the Application of Interfaces and Controllers to Access 1687 IJTAG Networks Embedded within Semiconductor Devices

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

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

P11073-10406
Health Informatics -- Device Interoperability -- Part 10406: Personal Health Device Communication -- Device Specialization--Basic Electrocardiograph (ECG) (1- to 3-lead ECG)

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

P11073-10471
Health Informatics -- Device Interoperability -- Part 10471: Personal Health Device Communication -- Device Specialization--Independent Living Activity Hub

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

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

P3001.9
Recommended Practice for the Design of Power Systems Supplying Lighting Systems in Commercial and Industrial Facilities

**Recommendation: Approve request for an extension until December 2022 (5 approve, 2 disapprove [Fathy, Wei], 3 abstain [Kulick, Wang, Winston])**

IEEE Instrumentation and Measurement Society/TC10 - Waveform Generation Measurement and Analysis
P1241
Standard for Terminology and Test Methods for Analog-to-Digital Converters
Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Electric Machinery

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 2021

P1812
Guide for Testing Permanent Magnet Machines
Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Energy Development & Power Generation

P666
Design Guide for Electric Power Service Systems for Generating Stations
Recommendation: Approve request for an extension until December 2022

P1010
Guide for Control of Hydroelectric Power Plants
Recommendation: Approve request for an extension until December 2021

P1147
Guide for the Rehabilitation of Hydroelectric Power Plants
Recommendation: Approve request for an extension until December 2022

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

P1188
Recommended Practice for Maintenance, Testing, and Replacement of Valve-Regulated Lead-Acid (VRLA) Batteries for Stationary Applications
Recommendation: Approve request for an extension until December 2022

P2405
Standard for the Design of Battery Chargers Used in Stationary Applications
Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Insulated Conductors

P1407
Guide for Accelerated Aging Tests for 5 kV to 46 kV Extruded Electric Power Cables Using Water-Filled Tanks
Recommendation: Approve request for an extension until December 2021

P2417
Guide to Smoke, Fire and Explosions in Underground Electrical Structures
Recommendation: Approve request for an extension until December 2022

P2740
Guide for the Selection and Installation of Electrical Cables and Cable Systems in Hazardous (Classified) Locations on Oil & Gas Land Drilling Rigs
Recommendation: Approve request for an extension until December 2021

IEEE Power and Energy Society/Nuclear Power Engineering

P2411
Recommendation: Approve request for an extension until December 2021

P2421
Guide for Designing and Developing Computer-Based Displays for Monitoring and Control of Nuclear Facilities
Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Power System Instrumentation and Measurements

P1122
Standard for Digital Recorders for Measurements in High-Voltage and High-Current Impulse Tests
Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Power System Relaying and Control

P1613
Standard for Environmental and Testing Requirements for Intelligent Electronic Devices (IEDs) Installed in Transmission and Distribution Facilities
Recommendation: Approve request for an extension until December 2022

PC37.2
Standard Electrical Power System Device Function Numbers, Acronyms, and Contact Designations
Recommendation: Approve request for an extension until December 2022

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 2021

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

PC62.22
Guide for the Application of Metal-Oxide Surge Arresters for Alternating-Current Systems
Recommendation: Approve request for an extension until December 2022

PC62.82.2
Guide for the Application of Insulation Coordination
Recommendation: Approve request for an extension until December 2021

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

PC62.42.2
Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports - Part 2 Metal-Oxide Varistors (MOVs)
Recommendation: Approve request for an extension until December 2022

PC62.220
Guide for the Application of Surge Protective Devices for the Smart Grid
Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Switchgear

P62271-37-013
Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Transformers

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 2022

PC57.164
Guide for Establishing Short Circuit Withstand Capabilities of Liquid Immersed Power Transformers, Regulators, and Reactors
Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Transmission and Distribution

P516
Guide for Maintenance Methods on Energized Power Lines
Recommendation: Approve request for an extension until December 2021

P1806
Guide for Reliability Based Placement of Overhead and Underground Switching and Overcurrent Protection Equipment Up to and Including 38 kV
Recommendation: Approve request for an extension until December 2021

P1885
Guide for Assessing, Measuring and Verifying Volt-Var Control Optimization on Distribution Systems
Recommendation: Approve request for an extension until December 2021 (8 approve, 0 disapprove, 1 abstain [Hiertz])

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

P1541
Standard for Prefixes for Binary Multiples
Recommendation: Approve request for an extension until December 2021

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

P1641
Standard for Signal and Test Definition
Recommendation: Approve request for an extension until December 2022
IEEE-SASB Coordinating Committees/SCC39 - International Committee on Electromagnetic Safety

P63195-1
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
Recommendation: Approve request for an extension until December 2021

4.3 New PARs

IEEE Communications Society/Power Line Communications

P1901b
Standard for Broadband over Power Line Networks: Medium Access Control and Physical Layer Specifications
Amendment: Enhancements for Authentication and Authorization
Recommendation: Approve new PAR until December 2024

IEEE Computer Society/Data Compression Standards Committee

P2941
Standard for Artificial Intelligence (AI) Model Representation, Compression, Distribution and Management
Recommendation: Approve new PAR until December 2024 (6 approve, 0 disapprove, 4 abstain [Fathy, Hiertz, Lu, Niu])

IEEE Computer Society/LAN/MAN Standards Committee

P802.1ASdn
Standard for Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications
Amendment: YANG Data Model
Recommendation: Approve new PAR until December 2024

P802.11bf
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: Enhancements for Wireless Local Area Network (WLAN) Sensing
Recommendation: Approve new PAR until December 2024

P802.15.4-2020/Cor 2
Standard for Low-Rate Wireless Networks - Corrigendum 2: Correction of errors preventing backward compatibility
Recommendation: Approve new PAR until December 2024

P802.15.7a
Standard for Local and Metropolitan Area Networks - Part 15.7: Short-Range Optical Wireless Communications
Amendment: Higher Speed, Longer Range Optical Camera Communication (OCC)
Recommendation: Approve new PAR until December 2024

IEEE Computer Society/Learning Technology
P2247.4
Recommended Practice for Ethically Aligned Design of Artificial Intelligence (AI) in Adaptive Instructional Systems
Recommendation: Approve new PAR until December 2024

P2961
Guide for an Architectural Framework and Application for Collaborative Edge Computing
Recommendation: Approve new PAR until December 2024

IEEE Computer Society/Smart Manufacturing Standards Committee

P2806.1
Standard for Connectivity Requirements of Digital Representation for Physical Objects in Factory Environments
Recommendation: Approve new PAR until December 2024

P2934
Standard for Logistics Operation Process in a Smart Factory
Recommendation: Approve new PAR until December 2024

P2959
Standard for Technical Requirements of Standard-Oriented Knowledge Graphs
Recommendation: Approve new PAR until December 2024

IEEE Computer Society/Software & Systems Engineering Standards Committee

P24748-6
Recommendation: Approve new PAR until December 2024

IEEE Computer Society/Standards Activities Board

P2807.3
Guide for Electric-Power-Oriented Knowledge Graph
Recommendation: Approve new PAR until December 2024

P2874
Standard for Spatial Web Protocol, Architecture and Governance
Recommendation: Approve new PAR until December 2024

P2937
Standard for Performance Benchmarking for AI Server Systems
Recommendation: Approve new PAR until December 2024 (9 approve, 0 disapprove, 1 abstain [Lu])

P2946
Guide for Electronic Sports (Esports) Integrity
Recommendation: Approve new PAR until December 2024

P2947
Guide for Broadcasting Electronic Sports (Esports) Events
Recommendation: Approve new PAR until December 2024

P2948
Standard for Framework and Definitions for Cloud Gaming
Recommendation: Approve new PAR until December 2024

P2949
Recommended Practice for the Evaluation of Cloud Gaming User Experiences
Recommendation: Approve new PAR until December 2024

P2957
Standard for a Reference Architecture for Big Data Governance and Metadata Management
Recommendation: Approve new PAR until December 2024

P2963
Data Formats for Smart Legal Contracts
Recommendation: Approve new PAR until December 2024

P3079.1
Motion to Photon (MTP) Latency in Virtual Environments
Recommendation: Approve new PAR until December 2024

P3079.2
Mixed Reality (MR) Standard Framework for Motion Learning
Recommendation: Approve new PAR until December 2024

IEEE Computer Society/Test Technology

P2929
Standard for System-level State Extraction for Functional Validation and Debug
Recommendation: Approve new PAR until December 2024

IEEE Consumer Electronics Society/Smart Devices Standards Committee

P2951
Technical Requirements and Evaluation Methods for Intelligent Levels of Smart Home Devices
Recommendation: Approve new PAR until December 2024

P2953
Standard for Technical Requirements for Industrial Smart Terminal Devices
Recommendation: Defer new PAR until the next NesCom meeting to provide time for comments to be resolved. (6 approve, 0 disapprove, 4 abstain [Lu, Wang, Wei, Zhong])

There was a discussion about the content of this PAR relative to the scope of the Standards Committee and the field of interest of the Society. The Chair was asked to reach out to potential co-Standards Committees.

IEEE Consumer Electronics Society/Standards Committee

P2861.2
Standard for Mobile Gaming Systems Integration Framework
Recommendation: Approve new PAR until December 2024

P2861.3
Standard for Haptic Interface Enhancement for Mobile Gaming
Recommendation: Approve new PAR until December 2024
P2952  
Standard for Secure Computing Based on Trusted Execution Environment  
**Recommendation: Approve new PAR until December 2024**

IEEE Consumer Electronics Society/Virtual Reality and Augmented Reality Standards Committee

P2048.101  
Standard for Augmented Reality on Mobile Devices: General Requirements for Software Framework, Components, and Integration  
**Recommendation: Approve new PAR until December 2024 (9 approve, 0 disapprove, 1 abstain [Hiertz])**

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

P11073-20601a  
Health Informatics -- Personal Health Device Communication - Part 20601: Application Profile - Optimized Exchange Protocol Amendment  
**Recommendation: Approve new PAR until December 2024 (9 approve, 0 disapprove, 1 recuse [Zhong])**

IEEE Industry Applications Society/Industrial Power Conversion Systems Department

P2943  
Energy Efficiency Test Methods for Three-Phase Variable Frequency Drive Systems  
**Recommendation: Approve new PAR until December 2024**

P2964  
Standard for Datasheet Parameters and Tests for Integrated Gate Drivers  
**Recommendation: Approve new PAR until December 2024**

IEEE Industry Applications Society/Petroleum & Chemical Industry

P80005-1a  
Utility Connections in Port -- Part 1: High Voltage Shore Connection (HVSC) Systems -- General Requirements Amendment 1 to IEC/IEEE 80005-1 ED2  
**Recommendation: Approve new PAR until December 2024**

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

P1588a  
Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems Amendment: Enhancements for Best Master Clock Algorithm (BMCA) Mechanisms  
**Recommendation: Approve new PAR until December 2024**

P1588b  
**Recommendation: Approve new PAR until December 2024**

P1588c  
Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems Amendment: Clarification of Terminology
Recommendation: Approve new PAR until December 2024

P1588d
Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems
Amendment: Guidelines for Selecting and Operating a Key Management System
Recommendation: Approve new PAR until December 2024

P1588e
Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems
Amendment: MIB and YANG Data Models
Recommendation: Approve new PAR until December 2024

P1588f
Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems
Amendment: Enhancements for Latency and/or Asymmetry Calibration
Recommendation: Approve new PAR until December 2024

IEEE Power and Energy Society/Analytic Methods for Power Systems

P2882
Guide for Validation of Software Models of Renewable and Conventional Generators for Power System Studies
Recommendation: Approve new PAR until December 2024

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

P2962
Recommended Practice for the Installation, Operation, Maintenance, Testing, and Replacement of Li-Ion Batteries in Stationary Applications
Recommendation: Approve new PAR until December 2024

IEEE Power and Energy Society/Power System Instrumentation and Measurements

P2960
Recommendation: Approve new PAR until December 2024

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

PC62.43.1a
Guide for Surge Protectors and Surge Protective Circuits Used in Information and Communication Technology Circuits (ICT), Including Smart Grid—Part 1 Applications
Amendment: PC62.43.1™ Draft Guide for Surge Protectors and Surge Protective Circuits Used in Information and Communication Technology Circuits (ICT), including Smart Grid—Part 1 Applications
Recommendation: Approve new PAR until December 2024

IEEE Power and Energy Society/Switchgear

PC37.20.7-2017/Cor 1
Guide for Testing Switchgear Rated Up to 52 kV for Internal Arcing Faults - Corrigendum 1: IEEE Guide for Testing Switchgear Rated Up to 52 kV for Internal Arcing Faults - Corrigendum 1
Recommendation: Approve new PAR until December 2024
PC37.30.7
Standard Requirements for High-Voltage Air Switches Rated above 1000 Vdc
Recommendation: Approve new PAR until December 2024

IEEE Power and Energy Society/Transmission and Distribution

P2030.13
Guide for Electric Transportation Fast Charging Station Management System Functional Specification
Recommendation: Approve new PAR until December 2024

P2938
Guide for Economic Loss Evaluation of Sensitive Industrial Customers Caused by Voltage Sags
Recommendation: Approve new PAR until December 2024

P2939
Guide for the Joint Use of Electric Power Transmission & Distribution (T&D) Facilities and Equipment
Recommendation: Approve new PAR until December 2024

IEEE Robotics and Automation Society/Standing Committee for Standards

P2940
Standard for Measuring Robot Agility
Recommendation: Approve new PAR until December 2024

IEEE SA Board of Governors/Corporate Advisory Group

P2950
Electric Traction System for High Speed Electric Multiple Units (EMUs)
Recommendation: Approve new PAR until December 2024

P2956
Test Method for Surface Transfer Impedance of Shielded Power Cables and Connectors for Rail Vehicles
Recommendation: Approve new PAR until December 2024

IEEE Sensors Council/Standards Committee

P2520.1
Standard for Baseline Performance for Odor Analysis Devices and Systems
Recommendation: Approve new PAR until December 2024

P2520.2.1
Standard for Machine Olfaction Devices and Systems Used for General Outdoor Odor Monitoring
Recommendation: Approve new PAR until December 2024

P2520.2.2
Standard for Landfill Odor Monitoring Devices and Systems
Recommendation: Approve new PAR until December 2024
P2520.3.1
Standard for Machine Olfaction Devices and Systems Used in General Indoor Air Quality Monitoring
Recommendation: Approve new PAR until December 2024

P2520.4.1
Standard for Performance of Machine Olfaction Devices and Systems for Chemical Manufacture
Recommendation: Approve new PAR until December 2024

IEEE Vehicular Technology Society/Automated Vehicles Standards Committee

P2936
Standard for Test Methods of Automotive Lidar Performance
Recommendation: Approve new PAR until December 2024

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

P62704-2a
Standard for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz to 6 GHz -- Part 2: Specific Requirements for Finite Difference Time Domain (FDTD) Modelling of Exposure from Vehicle Mounted Antennas Amendment 1
Recommendation: Approve new PAR until December 2024

4.4 PARs for the Revision of Standards

IEEE Communications Society/Standards Development Board

P269
Standard for Evaluating Electroacoustic Performance of Communication Devices
Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Computer Society/LAN/MAN Standards Committee

P802.3
Standard for Ethernet
Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Computer Society/Microprocessor Standards Committee

P1394
Standard for a High-Performance Serial Bus
Recommendation: Approve PAR for the revision of a standard until December 2024 (8 approve, 0 disapprove, 2 abstain [Fathy, Hiertz])

IEEE Computer Society/Software & Systems Engineering Standards Committee

P15288
Systems and Software Engineering -- System Life Cycle Processes
Recommendation: Approve PAR for the revision of a standard until December 2024

P23026
Systems and Software Engineering -- Engineering and Management of Websites for Systems, Software, and Services Information
Recommendation: Approve PAR for the revision of a standard until December 2024

P26531
Systems and Software Engineering -- Content Management for Product Life Cycle, User, and Service Management Documentation
Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Computer Society/Test Technology

P1149.4
Standard for a Mixed-Signal Test Bus
Recommendation: Approve PAR for the revision of a standard until December 2024

P1581
Standard for Static Component Interconnection Test Protocol and Architecture
Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Insulated Conductors

P1300
Guide for Cable Connections for Gas-Insulated Substations
Recommendation: Approve PAR for the revision of a standard until December 2024

P1493
Guide for the Evaluation of Solvents Used for Cleaning Electrical Cables and Accessories
Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Power System Relaying and Control

PC37.90.1
Standard for Relays, Relay Systems, and Control Devices Used for Protection and Control of Electric Power Apparatus-Surge Withstand Capability (SWC) and Electrical Fast Transient (EFT) Requirements and Tests
Recommendation: Approve PAR for the revision of a standard until December 2024

PC37.90.3
Standard Electrostatic Discharge Tests for Protective Relays
Recommendation: Approve PAR for the revision of a standard until December 2024

PC37.95
Guide for Protective Relaying of Utility-Consumer Interconnections
Recommendation: Defer PAR for the revision of a standard until the next NesCom meeting based on lack of replies by the Chair.

PC37.113
Guide for Protective Relay Applications to Transmission Lines
Recommendation: Approve PAR for the revision of a standard until December 2024

PC37.114
Guide for Determining Fault Location on AC Transmission and Distribution Lines
Recommendation: Approve PAR for the revision of a standard until December 2024
IEEE Power and Energy Society/Switchgear

PC37.20.7
Guide for Testing Switchgear Rated Up to 52 kV for Internal Arcing Faults
Recommendation: Approve PAR for the revision of a standard until December 2024

PC37.23
Standard for Metal-Enclosed Bus
Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Transmission and Distribution

P1159.3
Recommended Practice for Power Quality Data Interchange Format (PQDIF)
Recommendation: Approve PAR for the revision of a standard until December 2024

P1283
Guide for Determining the Effects of Elevated Temperature Operation on Conductors, Connectors, and Accessories
Recommendation: Approve PAR for the revision of a standard until December 2024

P1409
Guide for Technology Methods for Power Quality Improvement in Electric Power Systems
Recommendation: Approve PAR for the revision of a standard until December 2024

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 to 6 GHz, Part 1: General Requirements for Using the Finite Difference Time Domain (FDTD) Method for SAR Calculations
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 agenda item was deferred to the December 2020 NesCom meeting due to lack of time.

5.2. COMMITTEE MEMBER INTERACTIONS/COMMENTS RE: MYPROJECT
This agenda item was deferred to the December 2020 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.

6. NEW BUSINESS

6.1. ADDITION TO PAR EXTENSION REQUEST FORM
This agenda item was deferred to the December 2020 NesCom meeting due to lack of time.

6.2. INFORMATION ITEM ON OSCOM
This agenda item was deferred to the December 2020 NesCom meeting due to lack of time.

7 DATE OF NEXT MEETING

The next meeting of NesCom will take place on 02 December by teleconference.

8 ADJOURNMENT

Chair Stanley mentioned that more time would be allocated to the December NesCom meeting so the discussion items can be addressed. She expressed her appreciation to the NesCom members for their thorough review, and to Lisa Weisser. There being no further business, the meeting was adjourned at 11:45 a.m. ET.