

**IEEE SA STANDARDS BOARD NEW STANDARDS COMMITTEE (NesCom)
MEETING MINUTES**

5 December 2023

**New Brunswick, New Jersey, USA and Webex
9:00 a.m. – 2:00 p.m. ET (UTC-5)**

Attendees

Members Present:

Lei Wang, Chair
Guido Hiertz, Vice Chair
Johnny Lin, Vice Chair
Sara Biyabani
Xiaofeng (Alfred) Chen
Doug Edwards
Howard Li
Gui Liu
Daleep Mohla
Andrew Myles
Annette Reilly

Members Absent:

Ramy Fathy
Wei Hong
Daidi Zhong

IEEE Staff:

Christy Bahn
Teresa Belmont, Administrator
Jennifer Biolsi
Hermann Brand
Kim Breitfelder
Anita Bulan
Matthew Ceglia
Ravindra Desai
Karen Evangelista
Joshua Gay
Jonathan Goldberg
Katherine Gomez
Dalisa Gonzalez
Jodi Haasz
Yvette Ho Sang
Patrycja Jarosz
Anja Kaspersen
Soo Kim
Michael Kipness
Vanessa Lalitte
Sandra Maru
Karen McCabe
Suzanne Merten
Erin Morales
Mary Lynne Nielson
Christian Orlando
Maria Palombini

Shana Pepin
Markus Plessel
Dave Ringle
Pat Roder
Jennifer Santulli
Rosalinda Saravia
Rudi Schubert
Tom Thompson
Ernesto Vega Janica
Constance Weise
Malia Zaman
Meng Zhao

IEEE Outside Legal Counsel:

Claire Topp – Dorsey & Whitney LLP

Guests:

Miguel Aranda
Stephen Balakirsky
Ted Burse
Andrew Clasen
Helena Costa
Latonia Gordon
Gary Hoffman
Yousef Kimiagar
John Kulick
David Law
Joseph Levy
Xiaohui Liu
Kevin Lu
Meng Lu
Ralf Ma
Paul Nikolich
Celestin Ntahomvukiye
Sophia Papathanasopoulou
Glenn Parsons
Cristina Popa
Robby Robson
Jessy Rouyer
Reinhard Schrage
Mark Siira
Dorothy Stanley
Donnie Swing
Barry Tilton
Karl Weber
Don Wright

1. CALL TO ORDER

Chair Lei Wang called the meeting to order at 9:01 a.m. ET (UTC-5). There was a round of introductions.

It was noted that the meeting was quorate.

2. REVIEW OF AGENDA

Chair Wang reviewed the agenda.

There was a motion to approve the agenda, including the consent agenda. In the absence of objection or abstention, the motion was approved.

2.1 CONSENT AGENDA

2.1.1 Draft PARs for Administrative Withdrawal

PAR Number	Committee	Title
P11	PE/EM/Motor - WG11	Standard for Rotating Electric Machinery for Rail and Road Vehicles
P11073-10721	EMB/11073/PoCD	Health Informatics -- Device Interoperability -- Part 10721: Point-of-Care Medical Device Communication -- Device Specialization - High Frequency (200 kHz to < 5 MHz) Surgical Equipment
P11073-10722	EMB/11073/PoCD	Health Informatics -- Device Interoperability -- Part 10722: Point-of-Care Medical Device Communication -- Device Specialization - Endoscopic Camera
P11073-10723	EMB/11073/PoCD	Health Informatics -- Device Interoperability -- Part 10723: Point-of-Care Medical Device Communication -- Device Specialization - Endoscopic Light Source
P11073-10724	EMB/11073/PoCD	Health Informatics -- Device Interoperability -- Part 10724: Point-of-Care Medical Device Communication -- Device Specialization - Endoscopic Insufflator
P11073-10725	EMB/11073/PoCD	Health Informatics -- Device Interoperability -- Part 10725: Point-of-Care Medical Device Communication -- Device Specialization - Suction and Irrigation Pump
P1207	PE/EDPG/HPS - WG 1207	Guide for the Application of Turbine Governing Systems for Hydroelectric Generating Units
P1218	PE/T&D/TPC-15.11.08-10	Trial-Use Guide for Maintenance of Wood Transmission and Distribution Line Structures
P125	PE/EDPG/HPS - WG 125	Recommended Practice for Preparation of Equipment Specifications for Speed- Governing of Hydraulic Turbines Intended to Drive Electric Generators
P1368	PE/T&D/TPC-1368_WG	Guide for Aeolian Vibration Field Measurements of Overhead Conductors
P1451.99	IM/ST/DASH	Standard for Harmonization of Internet of Things (IoT) Devices and Systems

PAR Number	Committee	Title
PC37.301	PE/SWG/Adskom/C37.301	Standard for High-Voltage Switchgear (Above 1000 V) Test Techniques-- Partial Discharge Measurements
PC57.13-2016/Cor 1	PE/TR/Instrument-WGC57.13	Standard Requirements for Instrument Transformers - Corrigendum 1
PC57.13.2	PE/TR/Instrument-WGC57.13.2	Standard for Conformance Test Procedure for Instrument Transformers
PC62.41.1	PE/SPDLV/LV3.6.4	Guide on the Surge Environment in Low-Voltage (1000 V and less) AC Power Circuits
PC62.41.4	PE/SPDLV/LV3.6.4	Recommended Practice on Surge Testing for Equipment Connected to Low- Voltage (1000 V and less) AC Power Circuits
PC62.51	PE/SPDLV/LV3.6.10	Guide for the Application of Plug-in Multiservice Surge-Protective Devices (MSPDs) for Equipment Connected to AC Mains and Information and Communication Technology (ICT) Metallic Cables

PAR Number	Committee	Title
P1491	PE/ESSB/WG_1491	Recommended Practice for Battery Monitoring in Stationary Applications
P1940	COM/EdgeCloud-SC/PayAuth	Standard Profiles for ISO 8583 Authentication Services
P2030.10.2	BOG/SC21/P2030.10.2	Standard for Electricity Access Requirements for DC low power not exceeding 60V (SASB/SC21/P2030.10.2)
P2247.3	C/LT/AIS	Recommended Practices for Evaluation of Adaptive Instructional Systems
P2418.1	CTS/BSC/BIOTWG	Standard for the Framework of Blockchain Use in Internet of Things (IoT)
P2418.9	CTS/BSC/CBSTWG	Standard for Cryptocurrency Based Security Tokens
P2520	SEN/SC-SC/TMODS	Guide for Testing Machine Olfaction Devices and Systems
P4004	GRSS/SC/MW Cal	Standard for Calibration of Microwave Radiometers in the 300 MHz to 1 THz Frequency Range for Geoscience Applications
P48404.1	PE/IC/B22W: Distr. 48-404/P48404.1	Standard for Test Procedures and Requirements for Joints and Live Front Terminations installed on Extruded or Laminated Dielectric Shielded Power Cable Systems Rated 2.5 kV through 46 kV AC
P48404.2	PE/IC/B23W: Transmission 48-404	Standard for Terminations and Joints for Extruded and Laminar Dielectric Shielded Cables Rated 69 kV through 500 kV
P635	PE/IC/A15W/P635_WG	Guide for Selection and Design of Aluminum Sheaths for Power Cables
P665	PE/EDPG/SDOC-WG665/P665	Guide for Generating Station Grounding
P691	PE/T&D/TPC-15.11.03	Guide for Transmission Structure Foundation Design and Testing
P802.1DF	C/LAN/MAN/802.1 WG	Time-Sensitive Networking Profile for Service Provider Networks
PC37.122.9	PE/SUB/WGK14	Guide for Condition Assessment of Gas-Insulated Substations

2.1.2 Project Number Request Change

2.1.2.1 NesCom approved the following project number request for IEEE Instrumentation and Measurement Society/TC9 – Sensor Technology (IM/ST) to change P21451-7 to P1451.7
 Title: Standard for Smart Transducer Interface for Sensors and Actuators-Transducers to Radio Frequency Identification (RFID) Systems Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats

2.1.2.2 NesCom approved the following project number request for IEEE Computer Society/Standards Activities Board (C/SAB) to change P3401 to P3079.4 Title: Standard for the Visual Quality Assessment of Auto-Stereoscopic Displays

3. APPROVAL OF MINUTES FROM THE 25 OCTOBER 2023 MEETING

There was a motion to approve the [25 October 2023 meeting minutes](#). In the absence of an objection or abstention, the motion was approved.

4. PARS FOR DISCUSSION

Unless indicated otherwise, the motions were approved unanimously.

There was a motion to approve P1900.5 and P2882 based on the fact that preliminary votes have no objections to recommending approval and there are no unresolved NesCom member comments. In the absence of objection, the motion was approved.

4.1 Withdrawal Requests PAR

IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee P1900.5

Standard for Requirements and System Architectures for Dynamic Spectrum Access Systems

Recommendation: Approve PAR withdrawal.

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 PAR withdrawal.

4.2 Modified Pars

There was a bucket motion to approve P2795, P3199, and P3343 based on the fact that preliminary votes have no objections to recommending approval and there are no unresolved NesCom member comments. In the absence of objection, the motion was approved.

IEEE Engineering in Medicine and Biology Society/Standards Committee P2795

Standard for Shared Analytics Across Secure and Unsecured Networks

Recommendation: Approve modified PAR.

IEEE Industry Applications Society/Petroleum & Chemical Industry P61886.2

Subsea Power Transformers

Recommendation: Approve modified PAR.

There was a motion to approve the recommendation for P61886.2. In the absence of objection or abstention, the motion was approved.

IEEE Power and Energy Society/Electric Machinery P43

Standard for Testing Insulation Resistance of Electric Machinery

Recommendation: Approve modified PAR.

There was a motion to approve the recommendation for P43. In the absence of objection or abstention, the motion was approved.

IEEE SA Board of Governors/Distributed Generation, Energy Storage and Interoperability Standards Committee

P2815

Guide for the Technical Specification of Smart Distribution Transformer Terminal

Recommendation: Approve modified PAR.

There was a motion to defer P2815. The motion failed. (Vote: Yes =5; No =5; Abstain =1)

Then there was a motion to approve the recommendation for P2815. The motion was approved. (Vote: Yes = 7; No = 1; Abstain = 2)

IEEE Signal Processing Society/Synthetic Aperture Standards Committee P3199

Standard for a Synthetic Aperture Sonar Data Format

Recommendation: Approve modified PAR.

P3343

Standard for the Spatio-temporal Synchronization of a Synthetic Aperture of Distributed Sensors

Recommendation: Approve modified PAR.

4.3 Extension Requests

There was a bucket motion to approve, P1932.1, P1937.3, P1938.1, P1228, P1043, P473, P11073-10107, P11073-10441, P11073-10703, P11073-10703, P11073-10720, P3002.9, P3003.4, P61886.2, P2452, P286, P1415, P1434, P1553, P1665, P2465, P1189, P2685, P495, P334, P62582-1, P62582-3, P63332-387, P1591.4, P1711.1, PC37.118.2, P454, P1122, P2426, PC37.90.2, PC37.99, PC37.249, PC37.251, PC37.252, P81, PC37.122.3, PC62.37, PC62.41.2, PC37.20.4, PC37.68, P63253-5713-8, PC57.12.44, PC57.124, PC57.162, P18, P957, P1410, P2748, P2751, P7008, and P2030.10.1, based on the fact that preliminary votes have no objections to recommending approval and there are no unresolved NesCom member comments. In the absence of objection, the motion was approved.

IEEE Communications Society/Mobile Communication Networks Standards Committee P1932.1

Standard for Licensed/Unlicensed Spectrum Interoperability in Wireless Mobile Networks

Recommendation: Approve request for an extension until 31 December 2024.

IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee P1937.3

Protocol for the Flight Data Transmission of Civil Unmanned Aerial Vehicle Based on BeiDou Short Message

Recommendation: Approve request for an extension until 31 December 2024.

IEEE Communications Society/Virtualized and Software Defined Networks, and Services Standards Committee P1938.1

Standard for Software Defined Protocol and Functional Requirements for Improvement of the Signal-to-Noise-Ratio (SNR) in Communications Channels

Recommendation: Approve request for an extension until 31 December 2025.

IEEE Computer Society/Software & Systems Engineering Standards Committee P1228

Standard for Software Safety

Recommendation: Approve request for an extension until 31 December 2025.

IEEE Dielectrics and Electrical Insulation Society/Standards Committee P1043

Recommended Practice for Voltage-Endurance Testing of Form-Wound Bars and Coils

Recommendation: Approve request for an extension until 31 December 2025.

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 31 December 2025.

IEEE Engineering in Medicine and Biology Society/IEEE 11073 Standards Committee P11073-10107

Health Informatics -- Device Interoperability -- Part 10107: Point-of-Care Medical Device Communication -- Nomenclature for External Control of Medical Devices

Recommendation: Approve request for an extension until 31 December 2025.

P11073-10441

Health Informatics -- Device Interoperability -- Part 10441: Personal Health Device Communication -- Device Specialization--Cardiovascular Fitness and Activity Monitor

Recommendation: Approve request for an extension until 31 December 2025.

P11073-10702

Health Informatics -- Device Interoperability -- Part 10702: Point-of-Care Medical Device Communication – Alert Provisioning by Participants in a Service-Oriented Device Connectivity (SDC) System

Recommendation: Approve request for an extension until 31 December 2025.

P11073-10703

Health Informatics -- Device Interoperability -- Part 10703: Point-of-Care Medical Device Communication -- External Control by Participants in a Service-Oriented Device Connectivity (SDC) System

Recommendation: Approve request for an extension until 31 December 2025.

P11073-10720

Health Informatics -- Device Interoperability -- Part 10720: Point-of-Care Medical Device Communication -- Module Specifications for a Service-Oriented Medical Device Exchange Architecture

Recommendation: Approve request for an extension until 31 December 2025.

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

P3002.9

Recommended Practice for Conducting Transient Stability Studies and Analysis of Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until 31 December 2026.

P3003.4

Recommended Practice for Connections to Earth for Alternating Current (AC) Industrial and Commercial Power Systems Facilities

Recommendation: Approve request for an extension until 31 December 2025.

IEEE Industry Applications Society/Petroleum & Chemical Industry

P61886.2

Subsea Power Transformers

Recommendation: Approve request for an extension until 31 December 2024.

IEEE Instrumentation and Measurement Society/TC41 - Traffic Enforcement Technologies

P2452

Standard for the Performance of Lidar Used in Traffic Speed Measurements

Recommendation: Approve request for an extension until 31 December 2025.

IEEE Power and Energy Society/Electric Machinery

P286

Recommended Practice for Measurement of Power Factor Tip-Up of Electric Machinery Stator Coil Insulation

Recommendation: Approve request for an extension until 31 December 2024.

P1415

Guide for Induction Machinery Maintenance Testing and Failure Analysis

Recommendation: Approve request for an extension until 31 December 2025.

P1434

Guide for the Measurement of Partial Discharges in AC Electric Machinery

Recommendation: Approve request for an extension until 31 December 2025.

P1553

Standard for Voltage Endurance Testing of Form-Wound Coils and Bars for Hydrogenerators

Recommendation: Approve request for an extension until 31 December 2024.

P1665

Guide for the Rewind of Synchronous Generators, 50 Hz and 60 Hz, Rated 1 MVA and Above

Recommendation: Approve request for an extension until 31 December 2024.

P2465

Recommended Practice for Pulse-Type Partial Discharge Measurements on Individual Stator Coils and Bars

Recommendation: Approve request for an extension until 31 December 2024.

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

P1189

Guide for Selection of Batteries for Standby Applications

Recommendation: Approve request for an extension until 31 December 2025.

P2685

Recommended Practice for Energy Storage for Stationary Engine-Starting Systems

Recommendation: Approve request for an extension until 31 December 2025.

IEEE Power and Energy Society/Insulated Conductors

P495

Standard for Testing Faulted Circuit Indicators

Recommendation: Approve request for an extension until 31 December 2024.

IEEE Power and Energy Society/Nuclear Power Engineering Committee

P334

Standard for Qualifying Alternating Current Class 1E Motors for Nuclear Power Generating Stations

Recommendation: Approve request for an extension until 31 December 2024.

P62582-1

Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 1: General

Recommendation: Approve request for an extension until 31 December 2024.

P62582-3

Nuclear Power Plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 3: Elongation at break

Recommendation: Approve request for an extension until 31 December 2024.

P63332-387

Nuclear Facilities – Electrical Power Systems – Part 387: Diesel Generator Units Applied as Standby Power Sources

Recommendation: Approve request for an extension until 31 December 2024.

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P1591.4

Standard for Testing and Performance of Hardware for Optical Fiber Composite Overhead Phase Conductor (OPPC)

Recommendation: Approve request for an extension until 31 December 2025.

P1711.1

Standard for a Cryptographic Protocol for Cyber Security of Substation Serial Links: Substation Serial Protection Protocol

Recommendation: Approve request for an extension until 31 December 2024.

P2808

Standard for Function Designations used in Electrical Power Systems for Cyber Services and Cybersecurity

Recommendation: Approve request for an extension until 31 December 2026.

There was a motion to approve the recommendation for P2808. In the absence of objection or abstention, the motion was approved.

PC37.118.2

Standard for Synchrophasor Data Transfer for Power Systems

Recommendation: Approve request for an extension until 31 December 2024.

IEEE Power and Energy Society/Power System Instrumentation and Measurements P454

Guide for the Detection, Measurement and Interpretation of Partial Discharges

Recommendation: Approve request for an extension until 31 December 2025.

P1122

Standard for Digital Recorders for Measurements in High-Voltage and High-Current Impulse Tests

Recommendation: Approve request for an extension until 31 December 2024.

P2426

Guide for Field Measurement of Fast-Front and Very Fast-Front Overvoltages in Electric Power System —Part 1: Measuring techniques

Recommendation: Approve request for an extension until 31 December 2024.

IEEE Power and Energy Society/Power System Relaying and Control

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 request for an extension until 31 December 2024.

PC37.99

Guide for the Protection of Shunt Capacitor Banks

Recommendation: Approve request for an extension until 31 December 2025.

PC37.249

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

Recommendation: Approve request for an extension until 31 December 2024.

PC37.251

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

Recommendation: Approve request for an extension until 31 December 2024.

PC37.252

Guide for Testing Automatic Voltage Control Systems in Regional Power Grids

Recommendation: Approve request for an extension until 31 December 2025.

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 31 December 2024.

PC37.122.3

Guide for Sulphur Hexafluoride (SF6) Gas Handling for High-Voltage (over 1000 Vac) Equipment

Recommendation: Approve request for an extension until 31 December 2024.

IEEE Power and Energy Society/Surge Protective Devices/Low Voltage
PC62.37

Standard for Test Methods and Preferred Values for Thyristor Surge Protective Components

Recommendation: Approve request for an extension until 31 December 2025.

PC62.41.2

Recommended Practice on Characterization of Surges in Low-Voltage (1000 V and less) AC Power Circuits

Recommendation: Approve request for an extension until 31 December 2025.

IEEE Power and Energy Society/Switchgear

PC37.20.4

Standard for AC Switches Rated above 1 kV up to 52 kV for Use in Metal-Enclosed Switchgear

Recommendation: Approve request for an extension until 31 December 2025.

PC37.68

Standard Design, Test, and Application Requirements for Microprocessor-Based Controls of Distribution Padmount, Dry Vault, Wet Vault, and Polemount Switchgear Rated Above 1 kV and Up to and Including 38 kV

Recommendation: Approve request for an extension until 31 December 2024.

IEEE Power and Energy Society/Transformers

P63253-5713-8

Standard Requirements for Station Service Voltage Transformers

Recommendation: Approve request for an extension until 31 December 2025.

PC57.12.44

Standard Requirements for Secondary Network Protectors

Recommendation: Approve request for an extension until 31 December 2024.

PC57.124

Recommended Practice for the Detection of Partial Discharge and the Measurement of Apparent Charge in Dry Type Transformers

Recommendation: Approve request for an extension until 31 December 2025.

PC57.162

Guide for the Interpretation of Moisture Related Parameters in Liquid Immersed Transformers and Reactors

Recommendation: Approve request for an extension until 31 December 2024.

IEEE Power and Energy Society/Transmission and Distribution

P18

Standard for Shunt Power Capacitors

Recommendation: Approve request for an extension until 31 December 2024.

P957

Guide for Monitoring, Managing and Cleaning of Contaminated Insulators

Recommendation: Approve request for an extension until 31 December 2024.

P1410

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

Recommendation: Approve request for an extension until 31 December 2024.

P2748

Recommended Practice for Fault Diagnosis and Protection in Smart Distribution System

Recommendation: Approve request for an extension until 31 December 2024.

**IEEE Robotics and Automation Society/Standing Committee for Standards
P2751**

3D Map Data Representation for Robotics and Automation

Recommendation: Approve request for an extension until 31 December 2024.

P7008

Standard for Ethically Driven Nudging for Robotic, Intelligent and Autonomous Systems

Recommendation: Approve request for an extension until 31 December 2025.

**IEEE SA Board of Governors/Distributed Generation, Energy Storage and Interoperability
Standards Committee**

P2030.10.1

Standard for Electricity Access Requirements with Safety Extra Low Voltage (SELV) DC for Tier II and Tier III of Energy Sector Management Assistance Program (ESMAP) Multi-tier Framework for Household Electricity Supply

Recommendation: Approve request for an extension until 31 December 2024.

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board

P2413.2

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

Recommendation: Approve request for an extension until 31 December 2025.

There was a motion to approve the recommendation for P2413.2. In the absence of objection or abstention, the motion was approved.

4.4 New PARs

There was a bucket motion to approve, P3435, P3426, P3427, P3428, P3445, P3232, P3437, P3439, P3442, P3443, P3413, P3300, P3301, P3305, P3307, and P3436 based on the fact that preliminary votes have no objections to recommending approval and there are no unresolved NesCom member comments. In the absence of objection, the motion was approved.

**IEEE Circuits and Systems Society/Flexible and Wearable Circuits and Systems Standards
Committee**

P3435

Standard for Digital Stethoscope

Recommendation: Approve new PAR until December 2027.

IEEE Computer Society/Artificial Intelligence Standards Committee

P3426

Standard for Defining and Measuring the Capabilities of AI Foundation Models

Recommendation: Approve new PAR until December 2027.

P3427

Standard for Federated Machine Learning of Semantic Information Agents

Recommendation: Approve new PAR until December 2027.

P3428

Standard for Large Language Model Agents for AI-powered Education

Recommendation: Approve new PAR until December 2027.

P3429

Recommended Practices for Levels of Artificial Intelligence Generated Content Technologies

Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3429. In the absence of objection or abstention, the motion was approved.

P3430

Recommended Practice for A Holistic Framework for AI Foundation Models

Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3430. In the absence of objection or abstention, the motion was approved.

P3445

Standard for Privacy Engineering Maturity Model

Recommendation: Approve new PAR until December 2027.

IEEE Computer Society/Blockchain and Distributed Ledgers

P3232

Standard for Blockchain-based Renewable Energy Certificates Trading Technical Specifications

Recommendation: Approve new PAR until December 2027.

IEEE Consumer Technology Society/Smart Devices Standards Committee

P3437

Standard for Privacy Enhancing Machine Learning Based on Terminal and Cloud Collaboration

Recommendation: Approve new PAR until December 2027.

IEEE Intelligent Transportation Systems Society/Standards Committee

P3439

Guide for Driving Risk Assessment Procedure in SAE Level 1 to 3

Recommendation: Approve new PAR until December 2027.

P3442

Standard for Multimodal Logistics Corridors for Resilient Food Supply

Recommendation: Approve new PAR until December 2027.

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

P3434

Guide for the Project Development, Facility Design, Installation, Operations and Maintenance (O&M) for Grid Connected Energy Storage Systems (ESSs)

Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3434. In the absence of objection or abstention, the motion was approved.

IEEE Power and Energy Society/Substations

P3443

Guide for Substation Physical Resilience

Recommendation: Approve new PAR until December 2027.

IEEE Power and Energy Society/Transmission and Distribution

P3413

Guide for Technical Requirements and Acceptance Methods of Double Horizontal Jibs Gin Pole on Ground for Transmission Tower Erection

Recommendation: Approve new PAR until December 2027.

IEEE Robotics and Automation Society/Standing Committee for Standards

P1872.1.1

Guide for Practical Implementations of IEEE 1872.1-2024 Standard for Robot Task Representation

Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P1872.1.1. In the absence of objection or abstention, the motion was approved.

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board

P3300

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Multimodal Conversation (MMC) Version 2

Recommendation: Approve new PAR until December 2027.

P3301

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Artificial Intelligence Framework (AIF) Version 2

Recommendation: Approve new PAR until December 2027.

P3305

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification MPAI Metaverse Model (MMM) Architecture Version 1

Recommendation: Approve new PAR until December 2027.

P3306

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Portable Avatar Format (PAF) Version 1

Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3306. In the absence of objection or abstention, the motion was approved.

P3307

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification

Connected Autonomous Vehicle - Architecture (CAV) Version 1

Recommendation: Approve new PAR until December 2027.

IEEE Systems, Man, and Cybernetics Society/Standards Committee

P3436

Guide for Electric Vehicle Charging Load Prediction

Recommendation: Approve new PAR until December 2027.

4.5 PARs for the Revision of Standards

There was a bucket motion to approve, P24748-4, P902, P45.3, P1785.1, P1785.2, P1785.3, P762, P1249, P2778, PC37.231, PC62.44, PC62.72, PC37.12, PC37.015, P638, and PC57.12.32 based on the fact that preliminary votes have no objections to recommending approval and there are no unresolved NesCom member comments. In the absence of objection, the motion was approved.

IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee

P1900.5.1

Standard for Policy Language for Dynamic Spectrum Access Systems

Recommendation: Approve PAR for the revision of a standard until December 2027.

There was a motion to approve the recommendation for P1900.5.1. In the absence of objection or abstention, the motion was approved.

IEEE Computer Society/Software & Systems Engineering Standards Committee

P24748-4

Systems and Software Engineering -- Life Cycle Management -- Part 4: Systems Engineering Management Planning

Recommendation: Approve PAR for the revision of a standard until December 2027.

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

P902

Recommended Practice for Maintenance and Operational Safety of Electrical Power Distribution Systems in Industrial and Commercial Facilities

Recommendation: Approve PAR for the revision of a standard until December 2027.

IEEE Industry Applications Society/Petroleum & Chemical Industry

P45.3

Recommended Practice for Shipboard Electrical Installations -- Systems Engineering

Recommendation: Approve PAR for the revision of a standard until December 2027.

IEEE Microwave Theory and Techniques Society/Standards Committee

P1785.1

Standard for Rectangular Metallic Waveguides and Their Interfaces for Frequencies of 110 GHz and Above—Part 1: Frequency Bands and Waveguide Dimensions

Recommendation: Approve PAR for the revision of a standard until December 2027.

P1785.2

Standard for Rectangular Metallic Waveguides and Their Interfaces for Frequencies of 110 GHz and Above—Part 2: Waveguide Interfaces

Recommendation: Approve PAR for the revision of a standard until December 2027.

P1785.3

Recommended Practice for Rectangular Metallic Waveguides and Their Interfaces for Frequencies of 110 GHz and Above--Part 3: Recommendations for Performance and Uncertainty Specifications

Recommendation: Approve PAR for the revision of a standard until December 2027.

IEEE Power and Energy Society/Analytic Methods for Power Systems

P762

Standard Definitions for Use in Reporting Electric Generating and Storage Unit Reliability, Availability, and Productivity

Recommendation: Approve PAR for the revision of a standard until December 2027.

IEEE Power and Energy Society/Energy Development & Power Generation

P1249

Guide for Digital Control for Hydroelectric Power Plant Automation

Recommendation: Approve PAR for the revision of a standard until December 2027.

P2778

Guide for Solar Power Plant Grounding for Personnel Protection

Recommendation: Approve PAR for the revision of a standard until December 2027.

IEEE Power and Energy Society/Power System Relaying and Control

PC37.231

Standard Common Format for Documenting Intelligent Electronic Device (IED) Firmware or Software Changes and Confirming Their Transmittal

Recommendation: Approve PAR for the revision of a standard until December 2027.

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

PC62.39

Standard for Test Methods and Preferred Values for Self-Restoring Current-Limiter Components Used in Telecommunication Surge Protection

Recommendation: Approve PAR for the revision of a standard until December 2027.

There was a motion to approve the recommendation for PC62.39. In the absence of objection or abstention, the motion was approved.

PC62.44

Guide for the Application of Low-Voltage (1000 V rms or Less) Surge Protective Devices Used on Secondary Distribution Systems (Between the Transformer Low-Voltage Terminals and the Line Side of the Service Equipment)

Recommendation: Approve PAR for the revision of a standard until December 2027.

PC62.50

Standard for Performance Criteria and Test Methods for Plug-in (Portable) Multiservice (Multiport) Surge Protective Devices for Equipment Connected to a 120 V/240 V Single Phase Power Service and Metallic Conductive Communication Line(s)

Recommendation: Approve PAR for the revision of a standard until December 2027.

There was a motion to approve the recommendation for PC62.50. In the absence of objection or abstention, the motion was approved.

PC62.72

Guide for the Application of Surge-Protective Devices for Use on the Load Side of Service Equipment in Low Voltage (1000 V or Less, 50 Hz or 60 Hz) AC Power Circuits

Recommendation: Approve PAR for the revision of a standard until December 2027.

IEEE Power and Energy Society/Switchgear

PC37.12

Guide for Specifications of AC High-Voltage Circuit Breakers (over 1000 V)

Recommendation: Approve PAR for the revision of a standard until December 2027.

PC37.015

Guide for the Application of Shunt Reactor Switching

Recommendation: Approve PAR for the revision of a standard until December 2027.

IEEE Power and Energy Society/Transformers

P638

Standard for Qualification of Class 1E Transformers for Nuclear Power Generating Stations

Recommendation: Approve PAR for the revision of a standard until December 2027.

PC57.12.32

Standard for Submersible Equipment--Enclosure Integrity

Recommendation: Approve PAR for the revision of a standard until December 2027.

5. Old Business

There was no old business.

6. New Business

6.1 Role of NesCom

David Law reviewed the document entitled Role of NesCom. NesCom held a discussion. More time is needed to review the document and to create action items. The item will be discussed at the January 2024 NesCom meeting.

6.2. Update on the Statement of Guidance on Assessing PARS with Socio-technical Scope & Purpose.

A discussion was held during Executive Session. There was no report out.

7. Next Meeting

The next meeting will be a teleconference meeting and will take place 31 January 2024 by Webex. Chair Wang asked NesCom members to submit new topic ideas no later than 24 January 2024 and to send any supporting documents to NesCom Administrator by 26 January 2024.

8. Adjournment

The meeting was adjourned at 2:00 pm ET (UTC-5).