IEEE SA STANDARDS BOARD NEW STANDARDS COMMITTEE (NesCom)
MEETING MINUTES
26 March 2025
Hybrid: Seoul, South Korea and Webex
9:00 a.m. – 12:00 p.m. KST (UTC+9)

Attendees

Members Present:
Ted Burse, Chair
Xiaofeng (Alfred) Chen, Vice Chair
Guido Hiertz, Vice Chair
Edward Au
Kit August
Yuan Chi
Amit Kumar
Howard Li
Johnny Lin
Hiroshi Mano
Daleep Mohla
N. Kishor Narang
Ramesh S.
Dan Sabin
Luyang (Eric) Zhang

Members Absent:
Periklis Chatzimisios
Darren Galpin
Daidi Zhong

IEEE Staff:
Christy Bahn
Teresa Belmont, Administrator
Kim Breitfelder
Matt Ceglia
Sri Chandrasekaran
Karen Evangelista
Jonathan Goldberg
Dalisa Gonzales
Jodi Haasz
Yvette Ho Sang
Patrycja Jarosz
Soo Kim
Michael Kipness
Vanessa Lalitte
Sandra Maru
Suzanne Merten
Erin Morales

Dave Ringle
Pat Roder
Jennifer Santulli
Tom Thompson
Meng Zhao

Guests:
Sara Biyabani
Doug Edwards
Nehad El-Sherif
James Gilb
Latonia Gordon
Ron Hotchkiss
Meiru Huo
Tyler Jaynes
David Law
Joseph Levy
Guanhua Li
Rui Li
Xiaohui Liu
Haiying Lu
Kevin Lu
Ralf Ma
Yukimasa Nagai
Paul Nikolich
Annette Reilly
Robby Robson
Jon Rosdahl
Jonathan Schneerson
Dorothy Stanley
Donnie Swing
Claire Topp, IEEE Outside Legal Counsel
Mehmet Ulema
Chenhui Wang
Lei Wang
Keith Waters
Majun Wei
Wei Xiao
Kyoungro Yoon
Guobao Zhang
Yuhong Zhu

1. CALL TO ORDER

Chair Ted Burse called the meeting to order at 9:01 a.m. KST (UTC+9). There was a round of introductions.

It was noted that the meeting was quorate.

2. REVIEW OF AGENDA

Chair Burse reviewed the agenda.

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

3. APPROVAL OF MINUTES FROM THE 30 JANUARY 2025 MEETING

There was a motion to approve the [30 January 2025 meeting minutes](). In the absence of objection or abstention, the motion was approved.

4. PARS FOR DISCUSSION

Unless indicated otherwise, the motions were approved unanimously.

4.1 Withdrawal Requests

IEEE Education Society/Standards Committee
P2834
Standard for Secure and Trusted Learning Systems
Recommendation: Approve PAR withdrawal.

4.2 Modified PARs

There was a bucket motion to approve P802.1AS, P1115, PC57.93a, and P2413.2 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 or abstention, the motion was approved.

IEEE Computer Society/LAN/MAN Standards Committee
P802.1AS
Standard for Local and Metropolitan Area Networks--Timing and Synchronization for Time-Sensitive Applications
Recommendation: Approve modified PAR. (Recuse: E. Au)

IEEE Power and Energy Society/Energy Storage & Stationary Battery Committee
P1115
Recommended Practice for Sizing Nickel-Cadmium Batteries for Stationary Applications
Recommendation: Approve modified PAR.

IEEE Power and Energy Society/Transformers
PC57.93a
IEEE Guide for Installation and Maintenance of Liquid-Immersed Power Transformers
Amendment: Cold Start of Power Transformers Filled with Natural Ester Liquids
Recommendation: Approve modified PAR.

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board
P2413.2
Standard for a Reference Architecture for Power Distribution Internet of Things (PDIoT)
Recommendation: Approve modified PAR. (Abstain: D. Sabin)

4.3 Extension PARs
None

4.4 New PARs

There was a bucket motion to approve P3583, P1988, P1932.2, 1936.16, P1936.17, P1937.5, P1937.10, P1964, P3559, P3579, P3240.07, P3250.04, P3272.01, P1857.14, P1857.15, P1857.16, P3404.2, P3483.1, P3483.2, P2851.2, P802.3dp, P802.11br, P802.15.4-2024/Cor 1, P82079-4, P3154.1, P3834, P3835, P4008, P3567, P3581, P1588f, P2689, P3592, P3593, P2421, P510, PC37.124, PC37.10.2, P738.1, P3308, P3309, P3310, P3585, and P3582 based on the fact that preliminary votes have no objections to recommending approval and there are no unresolved NesCom member comments. The motion was approved.

IEEE Circuits and Systems Society/Integrated Circuit Design and Test for Emerging Circuits and Systems Standards Committee

P3583

Standard for Intelligent Diagnostic Function of Audio Integrated Circuits
Recommendation: Approve new PAR until December 2029.

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

P1988

Standard for Data Space Architecture Framework with Integrated Privacy Technology
Recommendation: Approve new PAR until December 2029. (Recuse: H. Mano)

IEEE Communications Society/Mobile Communication Networks Standards Committee

P1932.2

Standard for Cybersecurity Management in Distributed Core Networks
Recommendation: Approve new PAR until December 2029.

IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee

P1936.16

Standard for the Inspection of Overhead Transmission Lines by Vertical Take-off and Landing Fixed-wing Unmanned Aircraft Systems (UAS)
Recommendation: Approve new PAR until December 2029.

P1936.17

Standard for Multi Unmanned Aircraft System (MUAS) Trajectory Planning for Collaborative Inspection of Overhead Power Lines
Recommendation: Approve new PAR until December 2029.

P1937.5

Standard for Technical Requirements for Airport Geofencing for Unmanned Aircraft System (UAS) Operation
Recommendation: Approve new PAR until December 2029.

P1937.10

Standard for Functional and Performance Requirements as well as Testing Methods for Unmanned Aerial Vehicles Remote Identification Ground Receiver Equipment
Recommendation: Approve new PAR until December 2029.

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

P1964

Standard for Collaborative Orbital Data Sharing
Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/Artificial Intelligence Standards Committee

P3559

Standard for Technical Requirements for Multimodal Large Language Models in Smart Home Applications
Recommendation: Approve new PAR until December 2029.

P3579

Standard for Artificial Intelligence Applied to Time Series
Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/Blockchain and Distributed Ledgers
P3240.07
Standard for Identity Management of Electricity Internet of Things (IoT) Devices Based on Distributed Ledger Technology (DLT)
Recommendation: Approve new PAR until December 2029.

P3250.04
Standard for Technical Specifications of Blockchain-Based Air Cargo Data Management
Recommendation: Approve new PAR until December 2029.

P3272.01
Standard for Blockchain Based Stablecoins Payment Service Requirements
Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/Data Compression Standards Committee
P1857.14
Standard for Real-time Communication Speech Coding
Recommendation: Approve new PAR until December 2029.

P1857.15
Standard for Perceptual Lossless Compression
Recommendation: Approve new PAR until December 2029.

P1857.16
Standard for Audio Video Quality
Recommendation: Approve new PAR until December 2029.

P3404.2
Standard for Sharing Data and Model for Artificial Intelligence across Multiple Computing Centers—Requirements for Service Interface and Information Model of Resource Layer
Recommendation: Approve new PAR until December 2029.

P3483.1
Standard for Structured Point Sequence Compression
Recommendation: Approve new PAR until December 2029.

P3483.2
Standard for Semantic Segmentation Map Coding
Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/Functional Safety Standards Committee
P2851.2
Standard for the Enablement of Functional Safety Interoperability with Cybersecurity
Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/LAN/MAN Standards Committee
P802.3dp
IEEE Standard for Ethernet Amendment: Cabling Restrictions for Single Pair Power over Ethernet (SPoE)
Recommendation: Approve new PAR until December 2029. (Recuse: E. Au)

P802.11br

IEEE Standard for Information Technology — Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks — Specific Requirements - Part 11: Wireless Local Area Network (LAN) Medium Access Control (MAC) and Physical Layer (PHY) Specifications Amendment: Enhanced Light Communications

Recommendation: Approve new PAR until December 2029. (Recuse: E. Au, G. Hiertz)

P802.15.4-2024/Cor 1

Standard for Low-Rate Wireless Networks—Corrigendum 1
Recommendation: Approve new PAR until December 2029. (Recuse: E. Au)

IEEE Computer Society/Software & Systems Engineering Standards Committee
P82079-4

Preparation of information for use (instructions for use) of products, Part 4, Digital interactive fault diagnosis manual
Recommendation: Approve new PAR until December 2029. (Recuse: E. Au)

IEEE Computer Society/Standards Activities Board Standards Committee
P3154.1

Recommended Practice for a Framework When Applying Artificial Intelligence Agents for Talent Services
Recommendation: Approve new PAR until December 2029. (Recuse: E. Au)

IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee
P3834

Standard for Energy Market Corpus Construction Framework for Large Language Models Training
Recommendation: Approve new PAR until December 2029. (Recuse: J. Lin)

P3835

Standard for Digital Twin Technology Framework for Integrated Energy Systems
Recommendation: Approve new PAR until December 2029. (Recuse: J. Lin)

IEEE Geoscience and Remote Sensing Society/Standards Committee
P4008

Standard for Corner Reflectors Specialized for Synthetic Aperture Radar
Recommendation: Approve new PAR until December 2029.

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee
P3567

Guide for Operational Life Cycle Assessment of Fiber-reinforced Composite Electric Power Equipment
Recommendation: Approve new PAR until December 2029.

IEEE Instrumentation and Measurement Society/TC1 - Non-Destructive Evaluation and Industrial Inspection
P3581

Guide for Microwave Thermography for Nondestructive Testing and Evaluation
Recommendation: Approve new PAR until December 2029.

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology
P1588f

IEEE Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems Amendment: Enhancements for Latency and Asymmetry Calibration
Recommendation: Approve new PAR until December 2029.

IEEE Power and Energy Society/Energy Storage & Stationary Battery Committee
P2689
Recommended Practice for Electrical Energy Storage Data Management
Recommendation: Approve new PAR until December 2029.

P3592
Standard for General Requirements and Test Procedures for Direct Current (DC) Connectors and Connecting Cables of Energy Storage Systems
Recommendation: Approve new PAR until December 2029.

P3593
Standard for Assessing and Reducing Risk When Working on Stationary Batteries
Recommendation: Approve new PAR until December 2029.

IEEE Power and Energy Society/Nuclear Power Engineering Committee
P2421
Guide for Designing and Developing Graphical User Interfaces for Monitoring and Control of Nuclear Power Generating Stations and Other Nuclear Facilities
Recommendation: Approve new PAR until December 2029.

IEEE Power and Energy Society/Power System Instrumentation and Measurements
P510
Guide for Electrical Safety in High-Voltage Testing
Recommendation: Approve new PAR until December 2029.

P3580
Standard for Medium Voltage Current and Voltage Sensors (1 kV to 72.5 kV)
Recommendation: NesCom recommended approval of the new PAR until December 2029. [Vote: 8=Yes; 4=No; 1=Abstain].

There was a motion to approve the recommendation of P3580. The vote was 8=Yes, 4=No, 1=Abstain. The motion passed.

IEEE Power and Energy Society/Power System Relaying and Control
PC37.124
Guide for Protection of Harmonic Filter Banks
Recommendation: Approve new PAR until December 2029.

IEEE Power and Energy Society/Switchgear
PC37.10.2
Guide for X-ray Digital Imaging of Alternating Current (AC) High-Voltage Switchgear with Rated Maximum Voltage 72.5 kV and Above
Recommendation: Approve new PAR until December 2029.

IEEE Power and Energy Society/Transmission and Distribution
P738.1
Application Guide for IEEE Std 738-2023 (IEEE Standard for Calculating the Current Temperature Relationship of Bare Overhead Conductors)
Recommendation: Approve new PAR until December 2029. (Abstain: D. Sabin)

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board

P3308

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Object and Scene Description (OSD) v1.2

Recommendation: Approve new PAR until December 2029.

P3309

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Neural Network Traceability (NNT) Version 1

Recommendation: Approve new PAR until December 2029.

P3310

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

Recommendation: Approve new PAR until December 2029.

P3585

Guide for Integrated Distributed Energy for Port Power Systems

Recommendation: Approve new PAR until December 2029.

IEEE Signal Processing Society/Synthetic Aperture Standards Committee

P3582

Recommended Practice for Calibration of Digital Phased Arrays

Recommendation: Approve new PAR until December 2029.

4.5 PARs for the Revision of Standards

There was a bucket motion to approve P26511, P11073-10422, P1657, P308, PC37.101, P693, PC37.45, PC37.48, PC57.119, P1368, P2030.7, P2780, P1698, and P1887 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 or abstention, the motion was approved.

IEEE Computer Society/Software & Systems Engineering Standards Committee

P26511

Systems and software engineering - Requirements for managers of information for users of systems, software, and services

Recommendation: Approve PAR for the revision of a standard until December 2029.

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

P11073-10422

Health informatics--Personal health device communication Part 10422: Device Specialization--Urine Analyzer

Recommendation: Approve PAR for the revision of a standard until December 2029.

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

P1657

Recommended Practice for a Personnel Training Program for Installation and Maintenance of Stationary Batteries

Recommendation: Approve PAR for the revision of a standard until December 2029.

IEEE Power and Energy Society/Insulated Conductors

P575

Guide for Application of Sheath-Bonding Methods for Single-Conductor Cables and the Calculation of Induced Voltages and Currents in Cable Sheaths

Recommendation: Approve PAR for the revision of a standard until December 2029.

There was a motion to approve the recommendation of P575. In the absence of any objection or abstention, the motion was approved.

IEEE Power and Energy Society/Nuclear Power Engineering Committee
P308
Standard Criteria for Class 1E Power Systems for Nuclear Power Generating Stations
Recommendation: Approve PAR for the revision of a standard until December 2029.

IEEE Power and Energy Society/Power System Relaying and Control
PC37.101
Guide for Generator Stator Ground Fault Protection
Recommendation: Approve PAR for the revision of a standard until December 2029.

IEEE Power and Energy Society/Substations Committee
P693
Recommended Practice for Seismic Design of Substations
Recommendation: Approve PAR for the revision of a standard until December 2029.

IEEE Power and Energy Society/Switchgear
PC37.45
Standard for Design Test Specifications for High Voltage (> 1000 V) Distribution Class Enclosed Single-Pole Air Switches
Recommendation: Approve PAR for the revision of a standard until December 2029.

PC37.48
Guide and Tutorial for the Application of High-Voltage (> 1000 V) Fuses and Accessories
Recommendation: Approve PAR for the revision of a standard until December 2029.

IEEE Power and Energy Society/Transformers
PC57.119
Recommended Practice for Determining the Thermal Parameters of Liquid Immersed Power Transformers
Recommendation: Approve PAR for the revision of a standard until December 2029.

IEEE Power and Energy Society/Transmission and Distribution
P1368
Guide for Aeolian Vibration Field Measurements of Overhead Cables
Recommendation: Approve PAR for the revision of a standard until December 2029. (Abstain: D. Sabin)

P2030.7
Standard for the Specification of Microgrid Controllers
Recommendation: Approve PAR for the revision of a standard until December 2029. (Abstain: D. Sabin)

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board
P2780
Standard for Insulation - Piercing Connectors for Insulated Cables Rated up to 12 kV
Recommendation: Approve PAR for the revision of a standard until December 2029. (Abstain: D. Sabin)

IEEE Vehicular Technology Society/Communications Based Train Control and Signals
P1698
Guide for the Calculation of Braking Distances for Rail Transit Vehicles
Recommendation: Approve PAR for the revision of a standard until December 2029.

Guide for Wayside Energy Storage Systems for DC Traction Applications
Recommendation: Approve PAR for the revision of a standard until December 2029.

5. Old Business
There was no old business.

6. New Business
Guido Hiertz provided an overview of the bucket motion process for NesCom Members, including how the motions are created, the importance of reviewing PARs during the review period, and casting preliminary votes.

7. Next Meeting
The next meeting will be a teleconference meeting on 7 May 2025.

8. Adjournment
The meeting was adjourned at 10:45 a.m. KST (UTC+9).