Attendees

Members Present:
Lei Wang, Chair
Guido Hiertz, Vice Chair
Kit August
Sara Biyabani
Xiaofeng (Alfred) Chen
Yuan Chi
Stephen Dukes
Doug Edwards
Darren Galpin
Hao Hu
Howard Li
Johnny Lin
Daleep Mohla
Jon Rosdahl
Daidi Zhong

Members Absent:
Ramy Fathy

IEEE Staff:
Christy Bahn
Teresa Belmont, Administrator
Ahsaki Benion
Kim Breitfelder
Matthew Ceglia
Karen Evangelista
Josh Gay
Jonathan Goldberg
Dalisa Gonzalez
Jodi Haasz
Yvette Ho Sang
Patrycja Jarosz
Michael Kipness
Vanessa Lalitte
Jiajia Liu
Suzanne Merten
Erin Morales
Christian Orlando
Dave Ringle
Jennifer Santulli
Rudi Schubert
1. **CALL TO ORDER**

Chair Lei Wang called the meeting to order at 9:33 a.m. ET (UTC-4). There was a round of introductions.

It was noted that the meeting was quorate.

2. **REVIEW OF AGENDA**

Chair Wang reviewed the agenda. It was noted that P3501 has a specific-time request of 10:15 a.m. ET.

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

3. **APPROVAL OF MINUTES FROM THE 2024 08 MAY MEETING**

There was a motion to approve the 08 May 2024 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
None

4.2 Modified PARs
There was a bucket motion to approve P1188, P1205, P3351, and P3352 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 Instrumentation and Measurement Society/TC39 - Measurements in Power Systems
P61869-21
Uncertainty Evaluation in the Calibration of Instrument Transformers
**Recommendation:** Approve modified PAR.

There was a motion to approve the recommendation for P61869-21. In the absence of objection or abstention, the motion was approved.

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 modified PAR.

IEEE Power and Energy Society/Nuclear Power Engineering Committee
P1205
Guide for Assessing, Monitoring, and Mitigating Aging Effects on Electrical Equipment Used in Nuclear Facilities
**Recommendation:** Approve modified PAR.

IEEE Vehicular Technology Society/High Speed Train and Maglev Standards Committee
P3351
Standard for Levitation Systems of Electromagnetic Suspension-Type Maglev Vehicles
**Recommendation:** Approve modified PAR.

P3352
Standard for Test Specification of Short Primary Maglev Vehicles
**Recommendation:** Approve modified PAR.

4.3 Extension Requests

There was a bucket motion to approve PC37.20.1, PC37.23, and PC37.100.2 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, the motion was approved.

IEEE Instrumentation and Measurement Society/TC39 - Measurements in Power Systems
P61869-21
Recommended Practice for Uncertainty Evaluation in the Calibration of Instrument Transformers
**Recommendation:** Approve request for an extension until 31 December 2025.

There was a motion to approve the recommendation for P61869-21. The motion was approved with one abstention. (Edwards)

IEEE Power and Energy Society/Switchgear
PC37.20.1
Standard for Metal-Enclosed Low-Voltage (1000 Vac and below, 3200 Vdc and below) Power Circuit Breaker Switchgear
**Recommendation:** Approve request for an extension until 31 December 2026. (Abstention: Edwards)
PC37.23
Standard for Metal-Enclosed Bus
Recommendation: Approve request for an extension until 31 December 2026. (Abstention: Edwards)

PC37.100.2
Standard for Common Requirements for Testing of AC Capacitive Current Switching Devices over 1000 V
Recommendation: Approve request for an extension until 31 December 2026. (Abstention: Edwards)

4.4 New PARs
There was a bucket motion to approve P1955, P1936.8, P1936.11, P1936.12, P1936.13, P1936.14, P1948.1 P3477, P29119-8, P7100, P2048.202, P2048.203, P2048.204, P3487, P3493.1, P3464, P3387, P3465, P48404.2, PC37.20.7.1, P3302, and P3308 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 Communications Society/Mobile Communication Networks Standards Committee
P1955
Recommendation: Approve new PAR until December 2028.

IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee
P1936.7
Standard for Mesh Deployment of Multi-Rotor Unmanned Aircraft Systems for Inspection of Overhead Transmission and Distribution, and Outdoor Substation Facilities
Recommendation: Approve new PAR until December 2028.

There was a motion to approve the recommendation for P1936.7. In the absence of objection or abstention, the motion was approved.

P1936.8
Standard for Monitoring of Photovoltaic Power Stations Using Unmanned Aircraft Systems
Recommendation: Approve new PAR until December 2028.

P1936.11
Standard for Requirements of Laying Out Pilot Ropes by Unmanned Aircraft Systems for Overhead Power Line Installations
Recommendation: Approve new PAR until December 2028.

P1936.12
Standard for Verification of Pilot Line Deployment Devices Based on Unmanned Aircraft Systems for Overhead Power Line Installations
Recommendation: Approve new PAR until December 2028.

P1936.13
Recommended Practice for Image Collection during the Inspection of Overhead Distribution Lines by Unmanned Aircraft Systems
Recommendation: Approve new PAR until December 2028.

P1936.14
Standard for Multi-Spectral Scanning of Overhead Transmission Lines by Unmanned Aircraft Systems
Recommendation: Approve new PAR until December 2028.
IEEE Communications Society/Virtualized and Software Defined Networks, and Services Standards Committee
P1948.1
Standard for Artificial Intelligence Based Network Applications in 5G and Beyond Mobile Networks
**Recommendation**: Approve new PAR until December 2028.

IEEE Computer Society/Blockchain and Distributed Ledgers
P3234
Standard for Blockchain-Based Carbon Trading Data Format Specification
**Recommendation**: Approve new PAR until December 2028.

There was a motion to approve the recommendation for P3234. In the absence of objection or abstention, the motion was approved.

IEEE Computer Society/Cybersecurity and Privacy Standards Committee
P3477
Standard for Evaluation Method for Anonymization Effectiveness in Data Sharing
**Recommendation**: Approve new PAR until December 2028.

IEEE Computer Society/Software & Systems Engineering Standards Committee
P29119-8
Software and systems engineering — Software testing — Part 8: Model-based Testing
**Recommendation**: Approve new PAR until December 2028.

IEEE Computer Society/Standards Activities Board Standards Committee
P7100
Standard for Measurement of Environmental Impacts of Artificial Intelligence Systems
**Recommendation**: Approve new PAR until December 2028.

IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee
P3826
Standard for Technical Requirements for Large Language Models for Finance
**Recommendation**: Approve new PAR until December 2028.

There was a motion to approve the recommendation for P3826. In the absence of objection or abstention, the motion was approved.

IEEE Consumer Technology Society/Metaverse Standards Committee
P2048.202
Standard for Security Specifications of Blockchain-Based Metaverse Data
**Recommendation**: Approve new PAR until December 2028.

P2048.203
Standard for Security Specifications of Blockchain-Based Metaverse Interconnection
**Recommendation**: Approve new PAR until December 2028.

P2048.204
Standard for Security Specifications of Blockchain-Based Metaverse Digital Commodity Circulation
**Recommendation**: Approve new PAR until December 2028.

IEEE Consumer Technology Society/Smart Devices Standards Committee
P3487
Standard for Perceived Image Quality Consistency of Multi-Camera Consumer Devices and Systems
**Recommendation**: Approve new PAR until December 2028.
IEEE Engineering in Medicine and Biology Society/Standards Committee
P3493.1
Standard Framework for Secure, Compliant, Coordinated, and Inclusive Healthcare Data Recycling: Cancer Care
Recommendation: Approve new PAR until December 2028.

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee
P3464
Guide for Test Methods for the Static and Dynamic Performance and Efficiency of the Proton Exchange Membrane Fuel Cell Cogeneration Systems under Feedback Control
Recommendation: Approve new PAR until December 2028.

IEEE Magnetics Society/Magnetics Society Standards Committee
P3387
Guide for Contactless Current Measurement for High-Voltage (4.76 kV to 800 kV) Multi-Phase Multi-Core Power Cables Based on Magnetic Field Sensing
Recommendation: Approve new PAR until December 2028.

P3465
Standard for Magnetoresistive Immunity Verification of Magnetoresistive Random Access Memory
Recommendation: Approve new PAR until December 2028.

IEEE Oceanic Engineering Society/Standards Committee
P3501
Recommended Practice for the Development of Digital Twins of the Earth
Recommendation: Defer new PAR until September NesCom meeting.

There was a motion to defer P3501 to the September meeting. The motion was approved. (Vote: 9=Yes; 3=No; 2=Abstain)

IEEE Power and Energy Society/Insulated Conductors
P48404.2
Standard for Terminations and Joints for Extruded and Laminated Dielectric Shielded Cables Rated 69 kV through 500 kV
Recommendation: Approve new PAR until December 2028.

IEEE Power and Energy Society/Switchgear
PC37.20.7.1
Guide for Application, Installation, and Use of Switchgear Rated up to 52 kV Tested for Internal Arcing Faults
Recommendation: Approve new PAR until December 2028. (Abstention: Edwards)

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board
P3302
Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification - Context-based Audio Enhancement (MPAI-CAE) V2.1
Recommendation: Approve new PAR until December 2028. (Recuse: Dukes)

P3308
Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Object and Scene Description (OSD) v1.1
Recommendation: Approve new PAR until December 2028. (Recuse: Dukes)
4.5 PARs for the Revision of Standards
There was a bucket motion to approve P754, P1722, P1707, PC37.62, P1250, P2845, and P1547.7 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 Aerospace and Electronic Systems Society/Radar Systems Panel**  
P521  
Standard Letter Designations for Radar-Frequency Bands  
**Recommendation:** Approve PAR for the revision of a standard until December 2028.

There was a motion to approve the recommendation for P521. In the absence of objection or abstention, the motion was approved.

**IEEE Computer Society/Microprocessor Standards Committee**  
P754  
Standard for Floating-Point Arithmetic  
**Recommendation:** Approve PAR for the revision of a standard until December 2028.

P1722  
Standard for a Transport Protocol for Time-Sensitive Applications in Bridged Local Area Networks  
**Recommendation:** Approve PAR for the revision of a standard until December 2028.

**IEEE Power and Energy Society/Nuclear Power Engineering Committee**  
P1707  
Recommended Practice for the Investigation of Events at Nuclear Facilities  
**Recommendation:** Approve PAR for the revision of a standard until December 2028.

**IEEE Power and Energy Society/Switchgear**  
PC37.62  
Standard for Pad-Mounted Dry Vault, Submersible, and Overhead Fault Interrupters for Alternating Current Systems up to and Including 38 kV  
**Recommendation:** Approve PAR for the revision of a standard until December 2028.

**IEEE Power and Energy Society/Transmission and Distribution**  
P1250  
Guide for Identifying and Improving Voltage Quality in Power Systems  
**Recommendation:** Approve PAR for the revision of a standard until December 2028.

P2845  
Standard for Testing and Evaluating the Dielectric Performance of Celebratory Balloons in Contact with Overhead Power Distribution Lines Rated up to 38 kV System Voltage  
**Recommendation:** Approve PAR for the revision of a standard until December 2028.

**IEEE SA Board of Governors/Distributed Generation, Energy Storage and Interoperability Standards Committee**  
P1547.7  
Guide for Conducting Impact Studies for Distributed Energy Resource Interconnection  
**Recommendation:** Approve PAR for the revision of a standard until December 2028.

5. Old Business
There was no old business.
6. New Business

Sara Biyabani presented slides on Language in titles of related PARs and the use of the term “Large Model.” A good discussion took place. It was encouraged to continue the discussion offline.

Chair Wang asked if there was any other business to discuss. Teresa Belmont informed NesCom that she is working on reorganizing the NesCom website, including reorganizing the NesCom conventions and introducing additional information. A new business topic will be added to the September meeting to provide further information.

Tyler Jaynes asked for NesCom’s feedback regarding the submission of a series of PARs, sequential submission vs. simultaneous submission. A discussion took place. NesCom indicated both ways are acceptable and to reach out to the IEEE SA Program Manager to determine best course of action.

7. Next Meeting

The next meeting will be a hybrid meeting taking place in Athens, Greece and via Webex. It is scheduled for 25 September 2024. Chair Wang asked NesCom members to submit new topic ideas for the September meeting no later than 18 September 2024 along with any supporting documentation to the NesCom Administrator.

8. Adjournment

The meeting was adjourned at 12:00 p.m. ET (UTC-4).