

IEEE SA STANDARDS BOARD NEW STANDARDS COMMITTEE (NesCom)

**DRAFT MEETING MINUTES**

5 June 2024

Teleconference via Webex

9:30 a.m. – 12:00 p.m. ET (UTC-4)

**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

Tom Thompson  
Malia Zaman  
Meng Zhao

**Guests:**

Edward Au  
Bill Cantor  
Weihong Deng  
Mona Ghassemian  
James Gilb  
Latonia Gordon  
Kingston Ho  
Ron Hotchkiss  
Tyler Jaynes  
Yousef Kimiagar  
Sigmund Kluckner  
David Law  
Joseph Levy  
Kevin Li  
Kevin Lu  
Paul Nikolich  
Annette Reilly  
Robby Robson  
Mark Siira  
Dorothy Stanley  
Claire Topp  
Mehmet Ulema  
Keith Waters  
Don Wright  
Tian Wu  
Xie Yufeng  
Cheng Zhengfeng  
Li Zhou

**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

Standard for 6G Empowering Robotics: Use Case Scenarios, Requirements, Architectural Impact, and Technical Assumptions

**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).