

IEEE SA STANDARDS BOARD NEW STANDARDS COMMITTEE (NesCom)

MEETING MINUTES

30 October 2024

Teleconference

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

Members Absent:

Ramy Fathy
Daidi Zhong

IEEE Staff:

Christy Bahn
Teresa Belmont, Administrator
Ahsaki Benion
Matthew Ceglia
Karen Evangelista
Dalisa Gonzales
Jodi Haasz
Yvette Ho Sang
Soo Kim
Vanessa Lalitte
Sandra Maru
Suzanne Merten
Erin Morales
Christian Orlando
Shana Pepin
Dave Ringle
Pat Roder
Jennifer Santulli
Rudi Schubert

Tom Thompson
Michelle Turner
Malia Zaman
Meng Zhao

Guests:

Bob Aiello
Latonia Gordon
Ron Hotchkiss
Yousef Kimiagar
David Law
Eric Lindahl
Kevin Lu
Ralf Ma
Carol McDonald
Paul Nikolich
Robby Robson
Mark Siira
Claire Topp, IEEE Outside Legal Counsel
Keith Waters
Don Wright
Ruichen Xia

1. CALL TO ORDER

Chair Lei Wang called the meeting to order at 9:30 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.

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 25 SEPTEMBER 2024 MEETING

There was a motion to approve the [25 September 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

There was a bucket motion to approve P1931.1 and P2852 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 Communications Society/Mobile Communication Networks Standards Committee

P1931.1

Standard for an Architectural Framework for Real-time Onsite Operations Facilitation (ROOF) for the Internet of Things

Recommendation: Approve PAR withdrawal.

IEEE Systems, Man, and Cybernetics Society/Standards Committee

P2852

Intelligent Assessment of Safety Risk for Overhead Transmission Lines Under Multiple Operating Conditions

Recommendation: Approve PAR withdrawal.

4.2 Modified PARs

There was a bucket motion to approve PN42.59 and P1609.2.2 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 Instrumentation and Measurement Society/TC45 - Radiation and Nuclear Instrumentation and Systems

PN42.59

Standard for Measuring the Imaging Performance of Active Millimeter-Wave Systems for Security Screening of Humans

Recommendation: Approve modified PAR until December 31, 2025.

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.2.2

Guide for Wireless Access in Vehicular Environments (WAVE) - Multi-Jurisdictional Interoperability Using Security Credentials Originating in Disparate Policy Domains

Recommendation: Approve modified PAR until December 31, 2027.

4.3 Extension Requests

There was a bucket motion to approve P269, P2874, P2948, P2949, P2879, P2975.1, P2976.1, P2976.2, P3141, P11073-10101c, P95, PC37.95, PC37.113, PC37.114, P1527, PC62.92.4, PC37.01, P987, P1159.3, P1283, P1882, P2817, P2030, and P2890 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

P1900.2

Recommended Practice for the Analysis of In-Band and Adjacent Band Interference and Coexistence Between Radio Systems

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

There was a motion to approve the recommendation for P1900.2. In the absence of any objection or abstention, the motion was approved.

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

P1912

Standard for Privacy and Security Framework for Consumer Wireless Devices

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

There was a motion to approve the recommendation for P1912. In the absence of any objection or abstention, the motion was approved.

IEEE Communications Society/Standards Development Board

P269

Standard for Evaluating Electroacoustic Performance of Communication Devices

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

IEEE Computer Society/Artificial Intelligence Standards Committee

P2874

Standard for Spatial Web Protocol, Architecture and Governance

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

IEEE Computer Society/Online Gaming Standards Committee

P2948

Standard for Framework and Definitions for Cloud Gaming

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

P2949

Recommended Practice for the Evaluation of Cloud Gaming User Experiences

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

IEEE Computer Society/Smart Manufacturing Standards Committee

P2879

General Principles for Assessment of a Smart Factory

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

P2975.1

Standard for Industrial Artificial Intelligence (AI) Data Attributes

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

IEEE Computer Society/Standards Activities Board Standards Committee

P2796.1

Standard for Data Requirements for Internet of Food (IoF) Systems

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

P2796.2

Standard for Data Exchange Architecture and Interface Requirements for Internet of Food (IoF) Systems

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

IEEE Consumer Technology Society/Emerging Technology Standards Committee

P3141

Standard for 3D Body Processing

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

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

P11073-10101c

Health informatics -- Device interoperability -- Part 10101: Point-of-Care Medical Device Communication --
Nomenclature Amendment 3: Additional definitions

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

IEEE Power and Energy Society/Electric Machinery

P95

Recommended Practice for Insulation Testing of AC Electric Machinery with High Direct Voltage

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

IEEE Power and Energy Society/Power System Relaying and Control

PC37.95

Guide for Protective Relaying of Utility-Consumer Interconnections

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

PC37.113

Guide for Protective Relay Applications to Transmission Lines

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

PC37.114

Guide for Determining Fault Location on AC Transmission and Distribution Lines

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

IEEE Power and Energy Society/Substations Committee

P1527

Recommended Practice for Seismic Design of Substation Buswork

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

IEEE Power and Energy Society/Surge Protective Devices Committee

PC62.92.4

Guide for the Application of Neutral Grounding in Electrical Utility Systems--Part IV: Distribution

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

IEEE Power and Energy Society/Switchgear

PC37.01

Standard for High Voltage Direct Current Circuit Breakers above 3200 Vdc

Recommendation: Approve request for an extension until 31 December 2026. (Abstain: D. Edwards)

IEEE Power and Energy Society/Transmission and Distribution

P987

Guide for Application of Composite Insulators for Overhead Electric Power Lines

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

P1159.3

Recommended Practice for Power Quality Data Interchange Format (PQDIF)

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

P1283

Guide for Determining the Effects of Elevated Temperature Operation on Conductors, Connectors, and Accessories

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

P1882

Guide for Establishing, Benchmarking and Maintaining a Work Program for Energized Transmission Lines

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

IEEE Robotics and Automation Society/Standing Committee for Standards

P2817

Guide for Verification of 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

Guide for Smart Grid Interoperability of Energy Technology and Information Technology Operation with the Electric Power System (EPS), End-Use Applications, and Loads

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

IEEE Society on Social Implications of Technology/Social Implications of Technology Standards Committee

P2890

Recommended Practice for Provenance of Indigenous Peoples' Data

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

4.4 New PARs

There was a bucket motion to approve P3420.1, P1959, P1960, P3497, P3221.02, P3404.1, P802.15.4ae, P802.15.9a, P2675.2, P2418.12, P3829, P3528, P61886.2-2023/Cor 1, PN42.37, P1686-2022/Cor 1, PC37.92-2023/Cor 1, PC37.234a, P7009.1, and P3534 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 Broadcast Technology Society/Broadcast Technology Standards Committee

P3420.1

Standard for Encapsulation and Formatting of Sampled Baseband Signals for Carriage via IEEE 3420 Aggregated Content Delivery Link Protocol

Recommendation: Approve new PAR until December 2028.

IEEE Communications Society/Green ICT Standards Committee

P1959

Standard for Metrics for Energy Efficiency in Machine Learning Hardware Architectures and Systems

Recommendation: Approve new PAR until December 2028.

P1960

Guide for Energy Efficiency in Machine Learning Hardware Architectures and Systems

Recommendation: Approve new PAR until December 2028.

IEEE Computer Society/Artificial Intelligence Standards Committee

P3497

Standard for Performance Benchmarking of Artificial Intelligence for Database Management Systems for Structured Query Language-based Databases

Recommendation: Approve new PAR until December 2028.

IEEE Computer Society/Blockchain and Distributed Ledgers

P3221.02

Standard for Blockchain Cross-Chain Gateways—Technical Specifications

Recommendation: Approve new PAR until December 2028.

IEEE Computer Society/Data Compression Standards Committee

P3404.1

Standard for Requirements and Framework for the Interconnection Between Multiple Data Centers for Productivity Services

Recommendation: Approve new PAR until December 2028.

IEEE Computer Society/LAN/MAN Standards Committee

P802.15.4ae

IEEE Standard for Low-Rate Wireless Networks Amendment: Ascon cryptographic algorithms

Recommendation: Approve new PAR until December 2028.

P802.15.9a

IEEE Standard for Transport of Key Management Protocol Datagrams Amendment: Additional Key Management Protocol

Recommendation: Approve new PAR until December 2028.

IEEE Computer Society/Smart Manufacturing Standards Committee

P2671.1

Standard for Connectivity Requirements for Online Detection Based on Machine Vision in Intelligent Manufacturing

Recommendation: Approve new PAR until December 2028. (Abstain: G. Hiertz)

There was a motion to approve the recommendation for P1900.2. The motion was approved with one abstention by G. Hiertz.

IEEE Computer Society/Software & Systems Engineering Standards Committee

P2675.1

Standard for System Reliability Engineering—Building Automation to Support Continuous Operations

Recommendation: Defer consideration of P2675.1 to the December 2024 NesCom agenda to allow time for the PAR submitters to make edits to the PAR. (Vote: Yes=12; No=0)

There was a motion to defer P2675.1 to the December NesCom agenda. The motion was approved with a vote of 12=Yes and 0=No.

P2675.2

Standard for Systems Observability across DevOps

Recommendation: Approve new PAR until December 2028.

IEEE Computer Society/Standards Activities Board Standards Committee

P2418.12

Standard for Agricultural Products Supply Chain Distributed Ledger Technology

Recommendation: Approve new PAR until December 2028.

IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee

P3829

Standard for a Framework for Privacy Algorithm Trading based on Blockchain for Industrial Service

Recommendation: Approve new PAR until December 2028.

P3830

Standard for a Privacy-Preserving Platform for the Circulation of Electric Energy Consumption Data

Recommendation: Approve new PAR until December 2028.

There was a motion to approve the recommendation for P3830. In the absence of any objection or abstention, the motion was approved.

IEEE Consumer Technology Society/Emerging Technology Standards Committee

P3533

Recommended Practice for the Performance Evaluation of Software for Smart Television Sets

Recommendation: Approve new PAR until December 2028.

There was a motion to approve the recommendation for P3533. In the absence of any objection or abstention, the motion was approved.

IEEE Education Society/Standards Committee

P3528

Guide for Cyber Informed Engineering Curricula

Recommendation: Approve new PAR until December 2028.

IEEE Industry Applications Society/Petroleum & Chemical Industry

P61886.2-2023/Cor 1

IEEE/IEC Approved Draft International Standard - Subsea Power Transformers - Corrigendum 1

Recommendation: Approve new PAR until December 2028.

IEEE Instrumentation and Measurement Society/TC45 - Radiation and Nuclear Instrumentation and Systems

PN42.37

Standard for Training for the Radiological/Nuclear Detection Mission

Recommendation: Approve new PAR until December 2028.

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P1686-2022/Cor 1

IEEE Standard for Intelligent Electronic Devices Cybersecurity Capabilities - Corrigendum 1

Recommendation: Approve new PAR until December 2028.

IEEE Power and Energy Society/Power System Relaying and Control

PC37.92-2023/Cor 1

IEEE Standard for Low-Energy Analog Interfaces between Protective Relays and Power System Signal Sources - Corrigendum 1

Recommendation: Approve new PAR until December 2028.

PC37.234a

IEEE Guide for Protective Relay Applications to Power System Buses: Amendment for Protecting Ungrounded Buses with Large Shunt Capacitance Unbalance

Recommendation: Approve new PAR until December 2028.

IEEE Reliability Society/IEEE Reliability Society Standards Committee

P7009.1

Standard for Safety Management of Autonomous and Semi-Autonomous Systems—Interventions in the Event of Anomalous Behavior

Recommendation: Approve new PAR until December 2028.

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P3534

Standard for Operational and Safety Requirements for Autonomous Vehicles in Port Environments

Recommendation: Approve new PAR until December 2028.

4.5 PARs for the Revision of Standards

There was a bucket motion to approve P802.11, PC62.82.1, P1232, and P1609.2.1 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 or abstention, the motion was approved.

IEEE Computer Society/LAN/MAN Standards Committee

P802.11

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

Recommendation: Approve PAR for the revision of a standard until December 2028. (Recuse: G. Hiertz)

IEEE Power and Energy Society/Surge Protective Devices Committee

PC62.82.1

Standard for Insulation Coordination--Definitions, Principles, and Rules

Recommendation: Approve PAR for the revision of a standard until December 2028.

IEEE SA Board of Governors/SCC20 - Test and Diagnosis for Electronic Systems

P1232

Standard for System Diagnostic Data and Services

Recommendation: Approve PAR for the revision of a standard until December 2028.

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.2.1

Standard for Wireless Access in Vehicular Environments (WAVE) - Certificate Management Interfaces for End Entities

Recommendation: Approve PAR for the revision of a standard until December 2028.

5. Old Business

There was no old business.

6. New Business

There was no new business.

7. Next Meeting

The next meeting will be a hybrid meeting. It is scheduled for 9 December 2024 and will be held at the Bridgewater Marriott in Bridgewater, NJ (USA). Chair Wang asked NesCom members to submit new topic ideas for the December meeting no later than 2 December 2024 along with any supporting documentation to the NesCom Administrator.

8. Adjournment

The meeting was adjourned at 10:45 a.m. (UTC-4).