

IEEE SA STANDARDS BOARD NEW STANDARDS COMMITTEE (NesCom)

MEETING MINUTES

09 September 2025

Webex

9:30 a.m. – 11:00 a.m. ET (UTC-4)

Attendees

Members Present:

Ted Burse, Chair
Xiaofeng (Alfred) Chen, Vice Chair
Guido Hiertz, Vice Chair
Edward Au
Kit August
Yuan Chi
Darren Galpin
Howard Li
Johnny Lin
Hiroshi Mano
Daleep Mohla
Daidi Zhong

Members Absent:

Periklis Chatzimisios
Amit Kumar
N. Kishor Narang
Ramesh S.
Dan Sabin
Luyang Zhang

IEEE Staff:

Julie Alessi
Christy Bahn
Teresa Belmont, Administrator
Kim Breitfelder
Matt Ceglia
Ravindra Desai
Chinmae Deshmukh
Karen Evangelista
Jonathan Goldberg
Dalisa Gonzales
Jodi Haasz
Marissa Haight
Yvette Ho Sang
Soo Kim
Michael Kipness
Jiajia Liu
Sandra Maru

Suzanne Merten
Erin Morales
Jessica O'Hanlon
Shana Pepin
Dave Ringle
Pat Roder
Kierra Rudolph
Jennifer Santulli
Rosalinda Saravia
Malia Zaman
Meng Zhao

Guests:

Xi Chen
David Dettenmeier
Xinhui Ding
Doug Edwards
Jean-Philippe Faure
Latonia Gordon
Zhimin Gu
Eric Hibbard
Ron Hotchkiss
Tao Jiang
Yu Jin
Rich Keil
Joplin Lau
David Law
David Lewis
Ming Li
Rui Li
Xiaohui Liu
Kevin Lu
Can Luo
Paul Nikolich
Annette Reilly
Robby Robson
Jon Rosdahl
Jessy Rouyer
Dorothy Stanley
Claire Topp, Outside legal counsel
Chenhui Wang
Lei Wang
Keith Waters
Zihang Yin
Luis Felipe Zapata
Bingsheng Zhang
Lei Zhang
Lifeng Zhang
Junfang Zhao
Yucheng Zhu
Xiaojun Zong

Sheng Zou

1. CALL TO ORDER

Chair Ted Burse called the meeting to order at 9:32 a.m. ET (UTC -4). There was a round of introductions.

It was noted that the meeting was quorate.

2. REVIEW OF AGENDA

Chair Burse reviewed the agenda. He indicated that a review of P80 was time sensitive and would be addressed any time between 9:45 a.m. and 10:15 a.m. ET (UTC-4).

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

2.1 Consent Agenda

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board Trustworthiness of Artificial Intelligence (BOG/CAG/TOAIWG) has requested to change P8000 to P8000.1.

3. APPROVAL OF MINUTES FROM THE 18 JUNE 2025 MEETING

There was a motion to approve the [18 June 2025 meeting minutes](#). In the absence of objection, 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 recommend the withdrawal of P2944, P802.15.14, P802.15.15, P3185, PN42.22, PN42.23, and P1871.3 based on the fact that preliminary votes have no objections to recommending withdrawal 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

P2994

Standard for Security Assessment Framework for Internet of Things (IoT) Application Deployments

Recommendation: Approve PAR withdrawal.

IEEE Computer Society/LAN/MAN Standards Committee

P802.15.14

Standard for Impulse Radio Ultra Wideband Wireless Ad Hoc Networks

Recommendation: Approve PAR withdrawal. (Recuse: E. Au)

P802.15.15

Standard for Wireless Ad Hoc Networks

Recommendation: Approve PAR withdrawal. (Recuse: E. Au)

IEEE Computer Society/Standards Activities Board Standards Committee

P3185

Standard for Hybrid Quantum-Classical Computing

Recommendation: Approve PAR withdrawal. (Recuse: E. Au)

IEEE Instrumentation and Measurement Society/TC45 - Radiation and Nuclear Instrumentation and Systems
PN42.22

Standard for Traceability of Radioactive Sources to National Institute of Standards and Technology (NIST) and Associated Instrument Quality Control

Recommendation: Approve PAR withdrawal.

PN42.23

Standard for Measurement and Associated Instrument Quality Assurance for Radioassay Laboratories

Recommendation: Approve PAR withdrawal.

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

P1871.3

Recommended Practice for Using JavaScript Object Notation (JSON) with XML-based Data Models for Test and Diagnosis for Electronic Systems

Recommendation: Approve PAR withdrawal.

4.2 Modified PARs

There was a bucket motion to approve P3458, P26516, P3191, PN42.35, PN42.46, P421.2, P422, P3434, PC37.236, P80, P8000, P3355, P3384, and P2814 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/Artificial Intelligence Standards Committee

P3458

Standard for Domain-Specific Large Language Model Management Platforms

Recommendation: Approve modified PAR.

IEEE Computer Society/Software & Systems Engineering Standards Committee

P26516

Systems and software engineering — Development and production of instructional videos

Recommendation: Approve modified PAR.

IEEE Engineering in Medicine and Biology Society/Standards Committee

P3191

Standard for Post-Market Surveillance of Machine Learning-Enabled Medical Devices

Recommendation: Approve modified PAR.

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

PN42.35

Standard for Evaluation Criteria and Performance Requirements of Radiation Portal Monitors for Use in Homeland Security

Recommendation: Approve modified PAR.

PN42.46

Standard for Determination of the Imaging Performance of X-Ray and Gamma-Ray Systems for Cargo and Vehicle Security Screening

Recommendation: Approve modified PAR.

IEEE Power and Energy Society/Energy Development & Power Generation

P421.2

Guide for Testing and Evaluation of the Dynamic Performance of Excitation Control Systems

Recommendation: Approve modified PAR.

P422

Recommended Practice for the Design of Cable Raceway Systems for Electric Generating Facilities

Recommendation: Approve modified PAR.

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

P3434

Guide for the Life Cycle of Energy Storage System Projects

Recommendation: Approve modified PAR.

IEEE Power and Energy Society/Power System Communications and Cybersecurity

PC37.236

Guide for Applying Digital Communications to Power System Protective Relay Applications

Recommendation: Approve modified PAR.

IEEE Power and Energy Society/Substations Committee

P80

Guide for Safety in AC Substation Grounding

Recommendation: Approve modified PAR.

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board

P8000

Standard for a Method to Assess the Trustworthiness of Artificial Intelligence (AI) Systems

Recommendation: Approve modified PAR.

IEEE Signal Processing Society/Synthetic Aperture Standards Committee

P3355

Standard for Deriving Synthetic Aperture Radar Resolution Capabilities

Recommendation: Approve modified PAR.

P3384

Standard for Emitter Geolocation

Recommendation: Approve modified PAR.

IEEE Systems, Man, and Cybernetics Society/Standards Committee

P2814

Recommended Practice for Techno-Economic Metrics of Grid Power Generators and Energy Storage Systems

Recommendation: Approve modified PAR.

4.3 Extension PARs

There was a bucket motion to approve P1937.9, P7015, P2888.6, P3079.1, P802.1Qdq, P802.11bi, P802.15.4ab, P60802, P2997, P3137, P3138, PN42.46, P1451.9, P2688, P643, P2030.100.2, P61850-9-3, PC37.236, P454, PC37.232, PC37.122.8, PC57.637, P3139, P3105, P1624, P3107, P3108, P2848, P7010.1, P7030, P2965, and P1628 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/Unmanned Aerial Vehicles Communications Standards Committee

P1937.9

Requirements for External Power and Power Management Interfaces for Unmanned Aerial Vehicle

Recommendation: Approve request for an extension until 31 December 2027.

IEEE Computer Society/Artificial Intelligence Standards Committee

P7015

Standard for Data and Artificial Intelligence (AI) Literacy, Skills, and Readiness

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

IEEE Computer Society/Digital Content Technology Standards Committee

P2888.6

Standard for Holographic Visualization for Interfacing Cyber and Physical Worlds

Recommendation: Approve request for an extension until 31 December 2027.

P3079.1

Motion to Photon (MTP) Latency in Virtual Environments

Recommendation: Approve request for an extension until 31 December 2027.

IEEE Computer Society/LAN/MAN Standards Committee

P802.1Qdq

Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks Amendment: Shaper Parameter Settings for Bursty Traffic Requiring Bounded Latency

Recommendation: Approve request for an extension until 31 December 2027. (Recuse: E. Au)

P802.11bi

Standard for Information Technology--Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks--Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications Amendment: Enhanced Service with Data Privacy Protection

Recommendation: Approve request for an extension until 31 December 2027. (Recuse: E. Au)

P802.15.4ab

Standard for Low-Rate Wireless Network Amendment: Enhanced Ultra Wide-Band (UWB) Physical Layers (PHYs) and Associated Medium Access and Control (MAC) sublayer Enhancements

Recommendation: Approve request for an extension until 31 December 2027. (Recuse: E. Au)

P60802

Time-Sensitive Networking Profile for Industrial Automation

Recommendation: Approve request for an extension until 31 December 2026. (Recuse: E. Au)

IEEE Computer Society/Learning Technology

P2997

Standard for Enterprise Learner Record

Recommendation: Approve request for an extension until 31 December 2027.

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

P3137

Standard for Automotive Electronics Product Inspection Equipment

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

P3138

Standard for General Requirements of Chip Visual Inspection in Surface Mount Industry

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

IEEE Instrumentation and Measurement Society/TC45 - Radiation and Nuclear Instrumentation and Systems
PN42.46

Standard for Determination of the Imaging Performance of X-Ray and Gamma-Ray Systems for Cargo and Vehicle Security Screening

Recommendation: Approve request for an extension until 31 December 2027.

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology
P1451.9

Standard for Tidal/Wind Turbine Health Monitoring System (HMS) with Wireless Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats

Recommendation: Approve request for an extension until 31 December 2027.

IEEE Power and Energy Society/Energy Storage & Stationary Battery Committee
P2688

Recommended Practice for Energy Storage Management Systems in Energy Storage Applications

Recommendation: Approve request for an extension until 31 December 2027.

IEEE Power and Energy Society/Power System Communications and Cybersecurity
P643

Guide for Power-Line Carrier Applications

Recommendation: Approve request for an extension until 31 December 2027.

P2030.100.2

Guide for Securing Generic Object Oriented System Events (GOOSE) and Sampled Values (SV) Protocols of IEC 61850 using IEC 62351-6 and IEC 62351-9

Recommendation: Approve request for an extension until 31 December 2028.

P61850-9-3

61850-9-3, Edition 2: Communication networks and systems for power utility automation – Part 9-3: Precision time protocol profile for power utility automation

Recommendation: Approve request for an extension until 31 December 2027.

PC37.236

Guide for Power System Protective Relay Applications Over Digital Communication Channels

Recommendation: Approve request for an extension until 31 December 2027.

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 2027.

IEEE Power and Energy Society/Power System Relaying and Control
PC37.232

Standard for Common Format for Naming Time Sequence Data Files (COMNAME)

Recommendation: Approve request for an extension until 31 December 2027.

IEEE Power and Energy Society/Substations Committee
P80

Guide for Safety in AC Substation Grounding

Recommendation: Approve request for an extension until 31 December 2027.

There was a motion to approve the recommendation of P80. In the absence of any objection or abstention, the motion was approved.

PC37.122.8

Guide for the Application of Mobile Gas-Insulated Substations Rated Above 52 kV

Recommendation: Approve request for an extension until 31 December 2027.

IEEE Power and Energy Society/Transformers

PC57.637

Guide for Reclamation and Reconditioning of Insulating Liquids

Recommendation: Approve request for an extension until 31 December 2027.

IEEE Power and Energy Society/Transmission and Distribution

P3139

Guide for Power Quality Data Analytics

Recommendation: Approve request for an extension until 31 December 2027.

IEEE Power Electronics Society/Standards Committee

P3105

Recommended Practice for Design and Integration of Solid State Transformers in Electric Grid

Recommendation: Approve request for an extension until 31 December 2027.

IEEE Reliability Society/IEEE Reliability Society Standards Committee

P1624

Standard for Organizational Reliability Capability

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

IEEE Robotics and Automation Society/Standing Committee for Standards

P3107

Standard Terminology for Human-Robot Interaction

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

P3108

Recommended Practice for Human-Robot Interaction Design of Human Subject Studies

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

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

P2848

Standard for Prognostics and Health Management in Automatic Test Systems

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

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

P7010.1

Recommended Practice for Environmental Social Governance (ESG) and Social Development Goal (SDG) Action Implementation and Advancing Corporate Social Responsibility

Recommendation: Approve request for an extension until 31 December 2027.

P7030

Recommended Practice for Ethical Assessment of Extended Reality (XR) Technologies

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

IEEE Vehicular Technology Society/High Speed Train and Maglev Standards Committee

P2965

Railway applications -Electromagnetic compatibility -Immunity test of rolling stock on completion of construction and before entry into service

Recommendation: Approve request for an extension until 31 December 2027.

IEEE Vehicular Technology Society/Overhead Contact Systems

P1628

Recommended Practice for Maintenance of Direct Current (DC) Overhead Contact Systems for Transit Systems

Recommendation: Approve request for an extension until 31 December 2028.

4.4 New PARs

There was a bucket motion to approve and P3720, P1936.21, P3728, P3732, P3758, P3584, P3704, P3707, P3708, P3709, P3723, P3753, P3762, P3225.02, P3240.11, P3240.12, P3240.13, P3241.04, P3241.05, P3260.02, P3260.03, P3729, P3730, P3757, P1857.11.1, P3161.10, P3161.11, P3161.12, P3366.3, P3079.3a, P3079.4.2, P2807.15, P3746, P802.1Qee, P802.1X-2020/Cor 1, P802.3dq, P802.11bt, P29119-14, P29119-15, P3759, P3760, P3763, P3764, P3840, P3841, P3842, P3843, P3844, P3845, P3748, P3751, P3765, P3767, P3769, P3771, P2048.601, P3745, P3773, P3722, P11073-10103b, P2933.1, P3747, P3739, P3740, P3741, P3727, P3754, P3756, P3738, PN42.32, P1588m, P3388a, P3735, P3724, P3743, P3726, PC62.40, P3587, P3588, P3590, P3778, P3780, P3326.1, P3327.1, P1609.30, and P3742 based on the fact that preliminary votes have no objections to recommending approval and there are no unresolved NesCom member comments.

A motion to amend the bucket motion by removing P3845 was made. The motion was approved with one abstention (G. Hiertz).

The updated main motion with P3845 removed was then approved.

IEEE Antennas and Propagation Society/Antennas and Propagation Standards Committee

P3720

Recommended Practice for Electromagnetic Measurements Using Reverberation Chambers

Recommendation: Approve new PAR until December 2029.

IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee

P1936.21

Standard for Unmanned Aerial Vehicle (UAV) Inspection System of Indoor Power Grid Equipment — Part 1: General Requirements

Recommendation: Approve new PAR until December 2029.

IEEE Computational Intelligence Society/Standards Committee

P3728

Standard for Wind Power Forecasting Error Evaluation and Decoupling

Recommendation: Approve new PAR until December 2029.

P3732

Standard for Technical Specification for Cloud-Edge Collaborative Intelligent Computing Framework in the Power Industry

Recommendation: Approve new PAR until December 2029.

P3758

Standard for Evaluation Methods for Adaptation Capability of Artificial Intelligence (AI) Software and Hardware Systems for Large Models

Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/Artificial Intelligence Standards Committee

P3584

Standard for Assessment Method for Carbon Emission Measurement of Artificial Intelligence (AI) Model Training

Recommendation: Approve new PAR until December 2029.

P3704

Standard for Evaluation Methods for the Capabilities of Embodied Intelligence

Recommendation: Approve new PAR until December 2029.

P3707

Standard for Embodied Artificial Intelligence Application Framework in the Elderly Care Industry

Recommendation: Approve new PAR until December 2029.

P3708

Standard for Application Specifications of Poultry Industry Intelligence Platforms

Recommendation: Approve new PAR until December 2029.

P3709

Standard for Framework and Technical Requirements of Agentic Artificial Intelligence (AI)

Recommendation: Approve new PAR until December 2029.

P3723

Standard for Intelligent Edge Device Data Processing Framework for Electric Power

Recommendation: Approve new PAR until December 2029.

P3753

Standard for Artificial Intelligence Reinforcement Learning System Architecture and Requirements

Recommendation: Approve new PAR until December 2029.

P3762

Standard for Technical Requirements for Heterogeneous Hybrid Inference Systems

Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/Blockchain and Distributed Ledgers

P3225.02

Standard for Blockchain-Based Framework for Trusted Artificial Intelligence (AI) Data Sharing

Recommendation: Approve new PAR until December 2029.

P3240.11

Standard for Blockchain-Based Energy Management in Buildings with Integrated Photovoltaic, Storage, and Charging Systems

Recommendation: Approve new PAR until December 2029.

P3240.12

Standard for On-Site Energy Metering with Distributed Ledger Technology

Recommendation: Approve new PAR until December 2029.

P3240.13

Standard for Technical Requirements for Blockchain-Based Preserve Evidence Services of Behind-the-Meter Electricity Data

Recommendation: Approve new PAR until December 2029.

P3241.04

Standard for Blockchain-Based Net Carbon Emission Factor Accounting with Environmental Attribute Deduction

Recommendation: Approve new PAR until December 2029.

P3241.05

Standard for Blockchain-Based Carbon Trading Data Interaction Model

Recommendation: Approve new PAR until December 2029.

P3260.02

Recommended Practice for Implementation and Evaluation of Blockchain-Based Laboratory Data Control and Information Management Systems

Recommendation: Approve new PAR until December 2029.

P3260.03

Standard for Construction and Testing of Blockchain-Based Laboratory Data Control and Information Management Systems

Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P3729

Standard for Security Requirements of Trusted Data Space

Recommendation: Approve new PAR until December 2029.

P3730

Standard for Functional Requirements of Trusted Data Space

Recommendation: Approve new PAR until December 2029.

P3757

Standard for Security Governance Framework for Enterprise Data Exchange

Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/Data Compression Standards Committee

P1857.11.1

Standard for Neural Network-Based Image Coding with Large Generative Models

Recommendation: Approve new PAR until December 2029.

P3161.10

Standard for Test Specification of Digital Retina Systems

Recommendation: Approve new PAR until December 2029.

P3161.11

Standard for Measurement and Evaluation of Digital Retina Systems

Recommendation: Approve new PAR until December 2029.

P3161.12

Guide for Application of Digital Retina Systems

Recommendation: Approve new PAR until December 2029.

P3366.3

Standard for Gaussian Splats Compression

Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/Digital Content Technology Standards Committee

P3079.3a

IEEE Standard for a Framework for Evaluating the Quality of Digital Humans

Recommendation: Approve new PAR until December 2029.

P3079.4.1

Standard for Photoelectric Parameter Measurement Method of Naked-Eye 3D Display

Recommendation: Approve new PAR until December 2029.

There was a motion to approve the recommendation of P3079.4.1. In the absence of any objection or abstention, the motion was approved.

P3079.4.2

Standard for Light-Field Glasses-Free 3D Laptop Computer

Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/Knowledge Engineering Standards Committee

P2807.15

Standard for Collaborative-Computing-Network-Oriented Knowledge Graph

Recommendation: Approve new PAR until December 2029.

P3746

Guide for a Data and Knowledge Processing Framework for Constructing Large Speech-Language Models

Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/LAN/MAN Standards Committee

P802.1Qee

IEEE Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks Amendment: Traffic Engineering for Bridged Networks that include Wireless Technologies

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

P802.1X-2020/Cor 1

IEEE Standard for Local and Metropolitan Area Networks—Port-Based Network Access Control—Corrigendum 1

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

P802.3dq

IEEE Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for an Optimized Interface Between a MAC and a PHY

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

P802.11bt

IEEE Standard for Information Technology—Telecommunications and Information Exchange between Systems—Local and Metropolitan Area Networks—Specific Requirements—Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications—Amendment: Enhancements for Post-Quantum Cryptography

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

IEEE Computer Society/Software & Systems Engineering Standards Committee

P29119-14

Software and systems engineering -- Software testing -- Part 14: Data migration testing

Recommendation: Approve new PAR until December 2029.

P29119-15

Software and systems engineering -- Software testing -- Part 15: Static analysis

Recommendation: Approve new PAR until December 2029.

IEEE Computer Society/Standards Activities Board Standards Committee

P3759

Standard for Terminology for Digital Trust Services

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

P3760

Standard for a Digital Identity-Based Digital Trust Service

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

P3763

Standard for a Framework for Trusted Digital Identity-Based Multi-Agent Collaboration Networks

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

P3764

Standard for a Reference Framework for Trusted Networks Incorporating Both Satellite and Terrestrial Communications

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

IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee

P3839

Standard for Digital and Intelligent Economic Technology Application Scenario Architecture

Recommendation: Approve new PAR until December 2029. (Abstain: G. Hiertz)

There was a motion to approve the recommendation of P3839. The motion was approved with one abstention (G. Hiertz).

P3840

Standard for Technical Requirements of Privacy-Preserving Computation for Vehicle-Road-Cloud Collaboration in Intelligent Transportation

Recommendation: Approve new PAR until December 2029.

P3841

Standard for Intelligent Billing and Energy Settlement Platforms for Multi-Split Air-Conditioning (Heat Pump) Units

Recommendation: Approve new PAR until December 2029.

P3842

Standard for General Requirements of Financial Comprehensive Risk Management System

Recommendation: Approve new PAR until December 2029.

P3843

Standard for Reference Framework for Trusted Data Matrix in the Low-Altitude Economy

Recommendation: Approve new PAR until December 2029.

P3844

Standard for the Evaluation of Commercial Stations Combining Storage of Photovoltaic-Energy and Charging of Electric Vehicles

Recommendation: Approve new PAR until December 2029.

P3845

Standard for Blockchain-Based Web3.0 Architecture and Technical Requirements

Recommendation: Approve new PAR until December 2029.

There was a motion to approve the recommendation of P3845. In the absence of any objection or abstention, the motion was approved.

Action item: Staff will discuss potential co-Standards Committees with the primary Standards Committee.

P3846

Standard for Data Governance Methods Under Limited Data Conditions in Energy Digitalization Systems

Recommendation: Approve new PAR until December 2029. (Abstain: G. Hiertz)

There was a motion to approve the recommendation of P3846. The motion was approved with one abstention (G. Hiertz).

IEEE Consumer Technology Society/Electronic Games and Sports Standards Committee

P3748

Standard for Resource Sharing Protocol (RSP) for Mobile Games

Recommendation: Approve new PAR until December 2029.

IEEE Consumer Technology Society/Emerging Technology Standards Committee

P3751

Standard for Quantum-Security Embedded Architecture for 6G-based Internet of Things (IoT) Environments

Recommendation: Approve new PAR until December 2029.

P3765

Standard for the Technical Requirements for Voltage-Regulating Power Electronic Converter Embedded Transformers in Consumer-Side Energy Systems

Recommendation: Approve new PAR until December 2029.

P3766

Standard for Artificial Intelligence Generated Content (AIGC) for Multimodal Brain-Computer Interface (BCI)

Recommendation: Approve new PAR until December 2029.

There was a motion to approve the recommendation of P3766. In the absence of any objection or abstention, the motion was approved.

P3767

Standard for Transforming Mannequins into Photorealistic Models for Clothing Display—Reference Architecture and Technical Requirements

Recommendation: Approve new PAR until December 2029.

P3769

Standard for Technical Requirements for Fast Commissioning of IEEE 802.11 Devices in Smart Home Systems

Recommendation: Approve new PAR until December 2029.

P3770

Standard for Low-Altitude (Below 1000 m Above Ground) Cross-Border Aerial Logistics of Consumer Goods

Recommendation: Approve new PAR until December 2029.

There was a motion to approve the recommendation of P3770. In the absence of any objection or abstention, the motion was approved.

P3771

Standard for Technical Requirements for Devices and Service Platform for Commissioning in Smart Home Systems

Recommendation: Approve new PAR until December 2029.

P3772

Standard for Sandboxes for the Assessment of Risks of Businesses and Services Conducted in the Low Altitude Airspace (Below 1000 m Above Ground)

Recommendation: Approve new PAR until December 2029.

There was a motion to approve the recommendation of P3772. In the absence of any objection or abstention, the motion was approved.

P3774

Standard for Identity (ID) Authentication for Low-Altitude (Airspace Below 1000 m Above Ground) Vehicles and Facilities

Recommendation: Approve new PAR until December 2029.

There was a motion to approve the recommendation of P3774. In the absence of any objection or abstention, the motion was approved.

P3775

Standard for the Detection and Countermeasure of Small Unmanned Aerial Vehicles (UAVs)

Recommendation: Approve new PAR until December 2029.

There was a motion to approve the recommendation of P3775. In the absence of any objection or abstention, the motion was approved.

P3776

Standard for Basic Terminology for Low-Altitude Economy (Businesses and Services Conducted in the Airspace Below 1000 m Above Ground)

Recommendation: Approve new PAR until December 2029.

There was a motion to approve the recommendation of P3776. In the absence of any objection or abstention, the motion was approved.

IEEE Consumer Technology Society/Metaverse Standards Committee

P2048.601

Guide for Industrial Metaverse Based Simulation Systems for Factory Planning and Construction

Recommendation: Approve new PAR until December 2029.

IEEE Consumer Technology Society/Smart Devices Standards Committee

P3745

Standard for Classification of Unmanned Aerial Vehicles (UAVs) Operating Below 1000 m above Ground (Low-Altitude)

Recommendation: Approve new PAR until December 2029.

P3773

Standard for Unmanned Aerial Vehicle (UAV) Operator Simulator and Training Facilities

Recommendation: Approve new PAR until December 2029.

IEEE Education Society/Standards Committee

P3722

Guide for Responsible Artificial Intelligence (AI) in Higher Education

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

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

P11073-10103b

IEEE Standard Health Informatics--Device Interoperability Part 10103: Point-of-Care Medical Device Communication--Nomenclature--Implantable Device, Cardiac Amendment to IEEE Standard 11073-10103-2023

Recommendation: Approve new PAR until December 2029. (Recuse: D. Zhong)

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2933.1

Standard on Artificial Intelligence (AI)-Based Coaching for Healthcare with Trust, Identity, Privacy, Protection, Safety, Security (TIPPS)

Recommendation: Approve new PAR until December 2029.

P3747

Standard for Physiological Reference Values and Normalization Parameters of Human Organs for Biomedical Applications

Recommendation: Approve new PAR until December 2029.

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

P3739

Standard for General Requirements for Distributed Photovoltaic (PV) Station Inverter Fault Detection Systems

Recommendation: Approve new PAR until December 2029.

P3740

Guide for Fault Detection Methods of Distributed Photovoltaic Power Station Inverters

Recommendation: Approve new PAR until December 2029.

P3741

Standard for Online Fault Detection Method for Photovoltaic Inverters Based on Signal Processing

Recommendation: Approve new PAR until December 2029.

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

P3727

Guide for Probabilistic Forecasting of Renewable Energy Generation in Power Systems

Recommendation: Approve new PAR until December 2029.

P3754

Recommended Practice for Technical Specifications and Testing Methods for Prefabricated Transformer Zone Modules (0.4 kV to 22 kV) in Industrial and Commercial Power System Facilities

Recommendation: Approve new PAR until December 2029.

P3756

Recommended Practice for Typical Configuration and Energy Optimization of Photovoltaic-Energy Storage-Charging Systems in Commercial Power System Facilities

Recommendation: Approve new PAR until December 2029.

IEEE Instrumentation and Measurement Society/TC3 - Condition Monitoring & Fault Diagnosis Instrument

P3738

Standard for Testing Method for Cable Insulation Fault Based on Broadband Impedance Spectrum (BIS) for Cables Rated from 66 kV to 245 kV

Recommendation: Approve new PAR until December 2029.

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

PN42.32

Standard for Performance Criteria for Alarming Personal Radiation Detectors for Homeland Security

Recommendation: Approve new PAR until December 2029.

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

P1588m

IEEE Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems—Amendment: Maintenance

Recommendation: Approve new PAR until December 2029.

P3388a

IEEE Standard for the Performance Assessment of Industrial Wireless Systems—Amendment: Radio-Frequency Interference Aggressor Specifications under 7 GHz

Recommendation: Approve new PAR until December 2029.

IEEE Microwave Theory and Techniques Society/Standards Committee

P3735

Standard for Radiative Wireless Power Transfer

Recommendation: Approve new PAR until December 2029.

IEEE Photonics Society/Standards Committee

P3724

Standard for Laser Measurement on Aeolian Vibration Displacement of Overhead Lines

Recommendation: Approve new PAR until December 2029.

IEEE Power and Energy Society/Analytic Methods for Power Systems

P3743

Recommended Practice for Electromagnetic Transient Model Interoperability for Electric Power Transmission Systems

Recommendation: Approve new PAR until December 2029.

IEEE Power and Energy Society/Insulated Conductors

P3726

Guide for Selecting and Applying Joints for Shielded Power Cables Rated 2.5 kV to 46 kV

Recommendation: Approve new PAR until December 2029.

IEEE Power and Energy Society/Surge Protective Devices Committee

PC62.40

Standard for Test Methods for Hybrid Series Combination of Gas Discharge Tube and Metal Oxide Varistor Components

Recommendation: Approve new PAR until December 2029.

IEEE Power and Energy Society/Transmission and Distribution

P3587

Standard for Wear-Resistant Fittings of Overhead Lines—Part 1: Definition and General Requirements

Recommendation: Approve new PAR until December 2029.

P3588

Standard for Wear-Resistant Fittings of Overhead Lines—Part 2: Test Methods

Recommendation: Approve new PAR until December 2029.

P3590

Guide for Technical Parameters and Acceptance Methods of Double Rocker Jibs Gin Poles on Ground for Transmission Tower Erection

Recommendation: Approve new PAR until December 2029.

P3778

Guide for Digital Modeling Based on Light Detection and Ranging (LiDAR) Data for Overhead Transmission Lines

Recommendation: Approve new PAR until December 2029.

P3780

Guide for the Application of Backup Safety Clamps on Overhead Transmission Lines

Recommendation: Approve new PAR until December 2029.

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board

P3326.1

Recommended Practice for Operational Quality Assessments of Infrared Online Systems for Substation Inspection

Recommendation: Approve new PAR until December 2029.

P3327.1

Recommended Practice for Evaluating the Operational Quality of Unmanned Aerial Vehicles for Substation Inspection

Recommendation: Approve new PAR until December 2029.

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.30

Standard for Wireless Access In Vehicular Environments (WAVE)—Service Advertisement

Recommendation: Approve new PAR until December 2029.

P3742

Standard for Technical Requirements and Test Methods of Sodium-Ion Batteries for Electric Vehicles in Low Temperature (–40 °C to –20 °C) Environments

Recommendation: Approve new PAR until December 2029.

4.5 PARs for the Revision of Standards

There was a bucket motion to approve P802.1AE, P802.1AR, P802.1X, P24748-3, P24748-5, P29148, P1858, P3001.5, P3003.2, P45.5, P450, P1290, PC37.250, PC37.66, P1872, and P63184 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

P802.1AE

Standard for Local and Metropolitan Area Networks—Media Access Control (MAC) Security

Recommendation: Approve PAR for the revision of a standard until December 2029. (Recuse: E. Au)

P802.1AR

Standard for Local and Metropolitan Area Networks—Secure Device Identity

Recommendation: Approve PAR for the revision of a standard until December 2029. (Recuse: E. Au)

P802.1X

Standard for Local and Metropolitan Area Networks—Port-Based Network Access Control

Recommendation: Approve PAR for the revision of a standard until December 2029. (Recuse: E. Au)

IEEE Computer Society/Software & Systems Engineering Standards Committee

P24748-3

ISO/IEC/IEEE International Standard — Systems and software engineering — Life cycle management — Part 3: Guidelines for the application of ISO/IEC/IEEE 12207 (software life cycle processes)

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

P24748-5

Systems and software engineering — Life cycle management — Part 5: Software engineering technical management

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

P29148

Systems and software engineering -- Life cycle processes -- Requirements engineering

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

IEEE Consumer Technology Society/Emerging Technology Standards Committee

P1858

Standard for Camera Perceptual Image Quality (CPIQ)

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

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

P3001.5

Recommended Practice for the Application of Power Distribution Apparatus in Industrial and Commercial Power Systems

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

P3003.2

Recommended Practice for Equipment Grounding and Bonding in Industrial and Commercial Power Systems

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

IEEE Industry Applications Society/Petroleum & Chemical Industry

P45.5

Recommended Practice for Electrical Installations on Shipboard — Safety Considerations

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

IEEE Power and Energy Society/Analytic Methods for Power Systems

P859

Standard Terms for Reporting and Analyzing Outage Occurrences and Outage States of Electrical Transmission Facilities

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

There was a motion to approve the recommendation of P859. In the absence of any objection or abstention, the motion was approved.

IEEE Power and Energy Society/Energy Development & Power Generation

P666

Guide for Electric Power Service Systems for Generating Stations

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

There was a motion to approve the recommendation of P666. In the absence of any objection or abstention, the motion was approved.

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

P450

Recommended Practice for Maintenance, Testing, Analysis, and Replacement of Vented Lead-Acid Batteries for Stationary Applications

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

IEEE Power and Energy Society/Nuclear Power Engineering Committee

P1290

Guide for Motor-Operated Valve (MOV) Motor Application, Protection, Control, and Testing in Nuclear Facilities

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

IEEE Power and Energy Society/Power System Relaying and Control

PC37.250

Guide for Engineering, Implementation, and Management of System Integrity Protection Schemes

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

IEEE Power and Energy Society/Switchgear

PC37.66

Standard Requirements for Capacitor Switches for AC Systems Above 1000 V

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

IEEE Robotics and Automation Society/Standing Committee for Standards

P1872

Standard Ontologies for Robotics and Automation

Recommendation: Approve PAR for the revision of a standard until December 2029. (Recuse: H. Li)

IEEE SA Board of Governors/International Committee on Electromagnetic Safety

P63184

IEC/IEEE International Standard - Assessment methods of the human exposure to electric and magnetic fields from wireless power transfer systems - models, instrumentation, measurement and computational methods and procedures (frequency range of 3 kHz to 30 MHz)

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

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 teleconference meeting on 22 October 2025.

8. Adjournment

The meeting was adjourned at 11:06 a.m. ET (UTC-4).