

**IEEE SA STANDARDS BOARD NEW STANDARDS COMMITTEE (NesCom)
MEETING MINUTES
20 September 2023
Teleconference/Webex 9:00 a.m. – 12:30 p.m. ET (UTC-4)**

Attendees

Members Present:

Lei Wang, Chair
Guido Hiertz, Vice Chair
Johnny Lin, Vice Chair
Sara Biyabani
Xiaofeng Chen
Doug Edwards
Wei Hong
Howard Li
Gui Liu
Annette Reilly

Members Absent:

Ramy Fathy
Daleep Mohla
Andrew Myles
Daidi Zhong

IEEE Staff:

Christy Bahn
Teresa Belmont, Administrator
Kim Breitfelder
Matthew Ceglia
Karen Evangelista
Joshua Gay
Jonathan Goldberg
Jodi Haasz
Yvette Ho Sang
Patrycja Jarosz
Konstantinos Karachalios
Soo Kim
Michael Kipness
Vanessa Lalitte
Jiajia Liu
Kelly Lorne
Karen McCabe
Suzanne Merten
Erin Morales
Christian Orlando
Shana Pepin
Markus Plessel

Dave Ringle, Administrator
Pat Roder
Jennifer Santulli
Alpesh Shah
Michelle Turner
Malia Zaman
Meng Zhao

IEEE Outside Legal Counsel:

Claire Topp – Dorsey & Whitney LLP

Guests:

Kit August
Marek Blachut
Ted Burse
XiaoXiao Chan
Howard Denier
Latonia Gordon
Oliver Holland
Tyler Jaynes
Gesa Joos
Xu Juan
Yousef Kimiagar
Thomas Koshy
John Kulick
David Law
Joseph Levy
Yang Li
RanRan Liu
Xiaohui Liu
Haiying Lu
Kevin Lu
Meng Lu
Jim McBride
Paul Nikolich
Robby Robson
Jon Rosdahl
Rudi Schubert
Mark Siira
Lee Stogner
Barry Tilton
Richard Tong
Keith Waters
Karl Weber
Merrill Weiss
Don Wright
Chao Xu
Heng Yuan
Yu Yuan
Yunlong Zhao
Xi Zhang

1. CALL TO ORDER

Chair Lei Wang called the meeting to order at 9:02 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 P4.1 will need to be time specific at 10:00 a.m. ET (UTC-4). It was also noted that P3420 will need to be time specific at 11:00 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

2.1.1 Withdrawal Requests

IEEE Computer Society/Standards Activities Board

P2850

Standard for an Architectural Framework for Intelligent Cities Operation System

Recommendation: Approve PAR withdrawal.

IEEE Consumer Technology Society/Blockchain Standards Committee

P2141.1

Standard for the Use of Blockchain in Anti-Corruption Applications for Centralized Organizations

Recommendation: Approve PAR withdrawal.

P2141.2

Standard for Transforming Enterprise Information Systems from Centralized Architecture into Blockchain-based Decentralized Architecture

Recommendation: Approve PAR withdrawal.

P2141.3

Standard for Transforming Enterprise Information Systems from Distributed Architecture into Blockchain-based Decentralized Architecture

Recommendation: Approve PAR withdrawal.

P2147.1

Standard for Requirements of Integrated Consortium Chain Station

Recommendation: Approve PAR withdrawal.

P2418.8

Standard for Blockchain Applications in Governments

Recommendation: Approve PAR withdrawal.

P2677.1

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Overarching Framework

Recommendation: Approve PAR withdrawal.

P2677.10

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Access to Personal Data

Recommendation: Approve PAR withdrawal.

P2677.11

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Access to Telecommunications Data

Recommendation: Approve PAR withdrawal.

P2677.12

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Access to Transportation Data

Recommendation: Approve PAR withdrawal.

P2677.20

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Requirements for Blockchain Infrastructure

Recommendation: Approve PAR withdrawal.

P2677.21

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Requirements for Peer-to-Peer Storage Infrastructure

Recommendation: Approve PAR withdrawal.

P2677.22

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Requirements for Grid Computing Infrastructure

Recommendation: Approve PAR withdrawal.

P2677.30

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Personal Application Programming Interface

Recommendation: Approve PAR withdrawal.

P2677.31

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Healthcare Application Programming Interface

Recommendation: Approve PAR withdrawal.

P2677.32

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Government Application Programming Interface

Recommendation: Approve PAR withdrawal.

IEEE Consumer Technology Society/Emerging Technology Standards Committee

P2040

Standard for General Requirements for Fully Automated Vehicles Driving on Public Roads

Recommendation: Approve PAR withdrawal.

P2040.1

Taxonomy and Definitions for Connected and Automated Vehicles

Recommendation: Approve PAR withdrawal.

P2040.2

Recommended Practice for Multi-Input Based Decision Making of Automated Vehicles Driving on Public Roads

Recommendation: Approve PAR withdrawal.

P2040.3

Recommended Practice for Permitting Automated Vehicles to Drive on Public Roads

Recommendation: Approve PAR withdrawal.

P2049.1

Standard for Human Augmentation: Taxonomy and Definitions

Recommendation: Approve PAR withdrawal.

P2049.2

Standard for Human Augmentation: Privacy and Security

Recommendation: Approve PAR withdrawal.

P2049.3

Standard for Human Augmentation: Identity

Recommendation: Approve PAR withdrawal.

P2049.4

Standard for Human Augmentation: Methodologies and Processes for Ethical Considerations

Recommendation: Approve PAR withdrawal.

P2788

Standard for Circulating Air Pressure Physiotherapy Equipment Used in the Home Healthcare Environment

Recommendation: Approve PAR withdrawal.

P2823

Standard for System Architecture and Technical Requirements for Smart Speakers

Recommendation: Approve PAR withdrawal.

P2876

Recommended Practice for Inclusion, Dignity and Privacy in Online Gaming

Recommendation: Approve PAR withdrawal.

P2886

Standard for General Requirements for Smart Residential Water Systems

Recommendation: Approve PAR withdrawal.

IEEE Power and Energy Society/Electric Machinery

P1776

Recommended Practice for Thermal Evaluation of Unsealed or Sealed Insulation Systems for AC Electric Machinery Employing Form-Wound Pre-Insulated Stator Coils for Machines Rated 15 000 V and Below

Recommendation: Approve PAR withdrawal.

IEEE Power and Energy Society/Transmission and Distribution

P1656

Guide for Testing the Electrical, Mechanical, and Durability Performance of Wildlife Protective Devices on Overhead Power Distribution Systems Rated up to 38 kV

Recommendation: Approve PAR withdrawal.

IEEE Vehicular Technology Society/Automated Vehicles Standards Committee

P2936

Standard for Test Methods of Automotive Lidar Performance

Recommendation: Approve PAR withdrawal.

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.13

Wireless Access in Vehicular Environments - Reliable Data Transport Mechanisms for Multiple Receivers

Recommendation: Approve PAR withdrawal.

P1609.20

Recommended practice for extending the functionality of IEEE Std 1609.2

Recommendation: Approve PAR withdrawal.

2.1.2 PROJECT NUMBER CHANGE REQUESTS

- 2.1.2.1 IEEE Computer Society/Software & Systems Engineering Standards Committee (C/S2ESC) has requested to change P982.1 to P982.

- 2.1.2.2 IEEE Industrial Electronics Society/ Industrial Electronics Society Standards Committee has requested to change P21451-1-6 to P1451.1.6.

2.1.3 STANDARDS COMMITTEE TRANSFER

2.1.3.1 The following Standards are being transferred from BOG/CAG to PES Switchgear:

1. 1860-2014 IEEE Guide for Voltage Regulation and Reactive Power Compensation at 1000 kV AC and Above
2. 1861-2014 IEEE Guide for On-site Acceptance Tests of Electrical Equipment and System Commissioning of 1000 kV AC and Above
3. 1862-2014 IEEE Recommended Practice for Overvoltage and Insulation Coordination of Transmission Systems at 1000kV AC and Above

2.1.3.2 The following Standards and PARs are being transferred from C/PASC (Portable Applications Standards Committee) to C/MSC (Microprocessor Standards Committee):

1. Active Standards:
1003.1-2017 IEEE Standard for Information Technology – Portable Operating System Interface (POSIX)
2. Active PARs:
P1003.1 Standard for Information Technology – Portable Operating System Interface (POSIX) Base Specifications, Issue 8

3. APPROVAL OF MINUTES FROM THE 28 JUNE 2023 MEETING

There was a motion to approve the [28 June 2023 meeting minutes](#). In the absence of an objection, the motion was approved.

4. PARS FOR DISCUSSION

4.1 Modified PARs

There was a motion to approve the recommendations of P60802, P3120, P2717, P3111, P3324, P3325, P1186, P1793, P2421, and P3344 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 Computer Society/LAN/MAN Standards Committee

P60802

Time-Sensitive Networking Profile for Industrial Automation

Recommendation: Approve modified PAR.

IEEE Computer Society/Microprocessor Standards Committee

P3120

Standard for Quantum Computing Architecture

Recommendation: Approve modified PAR.

IEEE Computer Society/Software & Systems Engineering Standards Committee

P7003

Algorithmic Bias Considerations

Recommendation: Conditional approval, based on the response from the Standards Committee to NesCom member comments being added to item 8.1 on the PAR.

A motion was made to recommend conditional approval of P7003 based on the response from the Standards Committee being added to 8.1 of the PAR. In the absence of objection, the motion was approved.

The language has been added to P7003 under Section 8.1. The conditional approval has been satisfied.

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P2717

Recommended Practice for Passive Intermodulation Test Methods for Wireless Systems in Low Noise Environments

Recommendation: Approve modified PAR.

IEEE Photonics Society/Standards Committee

P3111

Recommended Practice for Test and Inspection of Laser Devices Used for Remote Removal of Foreign Matter in Public Infrastructure Equipment

Recommendation: Approve modified PAR.

P3324

Guide for Blue-green Laser Communication System for Industrial Underwater Operations - Generic Specification

Recommendation: Approve modified PAR.

P3325

Guide for Industrial Ultraviolet (UV) Detection Equipment

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Insulated Conductors

P1186

Recommended Practice for Applicability of Methods for the Evaluation of Low Voltage and Medium Voltage Installed Cable Systems in Nuclear Facilities

Recommendation: Approve modified PAR.

P1793

Guide for Planning, Design, and Installation of Transition Facilities between Overhead and Underground Transmission Lines

Recommendation: Approve modified PAR.

IEEE Power and Energy Society/Nuclear Power Engineering

P2421

Guide for Designing and Developing Computer-Based Displays for Monitoring and Control of Nuclear Facilities

Recommendation: Approve modified PAR.

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 modified PAR (Abstain=1 [Biyabani]).

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P3344

Standard for Scenario Representation for Autonomous Driving

Recommendation: Approve modified PAR.

4.2 Extension Requests

There was a motion to approve the recommendations of P2840, P802.1DG, P802.1Qdj, P802.11be, P2247.2, P7004, P9274.4.2, P1516, P1516.1, 1516.2, P7003, P2427, P2834, P2933, P2023, P2805.1, P2805.2, P2805.3, P21451-1-6, P60079-30-1, P60079-30-2, P1451.9, PC50.13, P1679.4, P317, P833, P1289, P2425, P63160, P1240, P2825, PC57.13.9, PC57.142, PC37.143, PC135.100, P7009, P1872.1, P2817, P7012, P7014, P2814, P1474.1, P1474.2, P1474.2, P1474.3, and P1920.2 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 Computer Society/Artificial Intelligence Standards Committee

P2840

Standard for Responsible AI Licensing

Recommendation: Approve request for an extension until 31 December 2024.

IEEE Computer Society/LAN/MAN Standards Committee

P802.1DG

Time-Sensitive Networking Profile for Automotive In-Vehicle Ethernet Communications

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

P802.1Qdj

Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks Amendment: Configuration Enhancements for Time-Sensitive Networking

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

P802.11be

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 Extremely High Throughput (EHT)

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

IEEE Computer Society/Learning Technology

P2247.2

Interoperability Standards for Adaptive Instructional Systems (AISs)

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

P7004

Standard for Child and Student Data Governance

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

P9274.4.2

Recommended Practice for Cybersecurity in the Implementation of the Experience Application Programming Interface (xAPI)

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

IEEE Computer Society/Simulation Interoperability Stds Organization/Stds Activity Committee

P1516

Standard for Modeling and Simulation (M&S) High Level Architecture (HLA)-- Framework and Rules

Recommendation: Approve request for an extension until 31 December 2024.

P1516.1

Standard for Modeling and Simulation (M&S) High Level Architecture (HLA)-- Federate Interface Specification

Recommendation: Approve request for an extension until 31 December 2024.

P1516.2

Standard for Modeling and Simulation (M&S) High Level Architecture (HLA)-- Object Model Template (OMT) Specification

Recommendation: Approve request for an extension until 31 December 2024.

IEEE Computer Society/Software & Systems Engineering Standards Committee

P7003

Algorithmic Bias Considerations

Recommendation: Approve request for an extension until 31 December 2024.

IEEE Computer Society/Test Technology

P2427

Standard for Analog Defect Modeling and Coverage

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

IEEE Education Society/Standards Committee

P2834

Standard for Secure and Trusted Learning Systems

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

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2933

Standard for Clinical Internet of Things (IoT) Data and Device Interoperability with TIPPSS - Trust, Identity, Privacy, Protection, Safety, Security

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

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

P2023

Standard for Digital Transformation Architecture and Framework

Recommendation: Approve request for an extension until 31 December 2024.

P2805.1

Self-Management Protocols for Edge Computing Node

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

P2805.2

Data acquisition, Filtering and buffering Protocols for Edge Computing Node

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

P2805.3

Cloud-Edge Collaboration Protocols for Machine Learning

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

P21451-1-6

Standard for a Smart Transducer Interface for Sensors, Actuators, and Devices - Message Queue Telemetry Transport (MQTT) for Networked Device Communication

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

IEEE Industry Applications Society/Petroleum & Chemical Industry

P60079-30-1

International Standard - Explosive atmospheres -- Part 30-1: Electrical resistance trace heating -- General and testing requirements

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

P60079-30-2

International Standard for Explosive atmospheres -- Part 30-2: Electrical resistance trace heating -- Application guide for design, installation and maintenance

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

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

P1451.9

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

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

IEEE Power and Energy Society/Electric Machinery

PC50.13

Standard for 50 and 60 Hz Synchronous Generators for Non-Hydraulic Applications Rated 10 MVA and Above

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

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

P1679.4

Guide for the Characterization and Evaluation of Alkaline Batteries in Stationary Applications

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

IEEE Power and Energy Society/Nuclear Power Engineering

P317

Standard for Electric Penetration Assemblies in Containment Structures for Nuclear Power Generating Stations

Recommendation: Approve request for an extension until 31 December 2024.

P833

Recommended Practice for the Protection of Electric Equipment in Nuclear Power Generating Stations from Water Hazards

Recommendation: Approve request for an extension until 31 December 2024.

P1289

Guide for the Application of Human Factors Engineering in the Design of Computer-Based Monitoring and Control Displays for Nuclear Power Generating Stations and other Nuclear Facilities

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

P2425

Standard for Electromagnetic Compatibility Testing of Electrical and Instrumentation and Control Equipment at Nuclear Power Generating Stations and Other Nuclear Facilities

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

P63160

Nuclear Power Plants - Instrumentation, Control and Electrical Power Systems Important to Safety - Common Cause Failure Systems Analysis and Diversity

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

IEEE Power and Energy Society/Power System Instrumentation and Measurements

P4.1

Guide for the Practical Implementation of IEEE Standard 4 on High-Voltage and High-Current Measurement Systems

Recommendation: Approve request for an extension until 31 December 2025. (Vote: Yes=6, No=1 [Biyabani], Abstain=1)

IEEE Power and Energy Society/Substations

P1240

Guide for the Evaluation of the Reliability of HVDC Converter Stations

Recommendation: Approve request for an extension until 31 December 2024.

P2825

Guide for Static Synchronous Series Compensator (SSSC) General Requirements and Test Methods

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

IEEE Power and Energy Society/Transformers

PC57.13.9

Standard for Power-Line Carrier Coupling Capacitors and Coupling Capacitor Voltage Transformers

Recommendation: Approve request for an extension until 31 December 2024.

PC57.142

Guide to Describe the Occurrence and Mitigation of Switching Transients Induced by Transformers, Switching Device, and System Interaction

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

PC57.143

Guide for Application of Monitoring Equipment to Liquid-Immersed Transformers and Components

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

IEEE Power and Energy Society/Transmission and Distribution

PC135.100

Standard for Line Hardware for Overhead Line Construction

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

IEEE Reliability Society/IEEE Reliability

P7009

Standard for Fail-Safe Design of Autonomous and Semi-Autonomous Systems

Recommendation: Approve request for an extension until 31 December 2024.

IEEE Robotics and Automation Society/Standing Committee for Standards

P1872.1

Robot Task Representation

Recommendation: Approve request for an extension until 31 December 2024.

P2817

Guide for Verification of Autonomous Systems

Recommendation: Approve request for an extension until 31 December 2024.

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

P7012

Standard for Machine Readable Personal Privacy Terms

Recommendation: Approve request for an extension until 31 December 2024.

P7014

Standard for Ethical considerations in Emulated Empathy in Autonomous and Intelligent Systems

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

IEEE Systems, Man, and Cybernetics Society/Standards Committee

P2814

Techno-economics Metrics Standard for Hybrid Energy and Storage Systems

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

IEEE Vehicular Technology Society/Communications Based Train Control and Signals

P1474.1

Standard for Communications-Based Train Control (CBTC) Performance and Functional Requirements

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

P1474.2

Standard for User Interface Requirements in Communications-Based Train Control (CBTC) Systems

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

P1474.3

Recommended Practice for Communications-Based Train Control (CBTC) System Design and Functional Allocations

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

IEEE Vehicular Technology Society/Intelligent Transportation Systems P1920.2

Standard for Vehicle to Vehicle Communications for Unmanned Aircraft Systems

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

4.3 New PARs

There was a motion to approve the recommendations of P3421, P1945, P1937.13, P1937.15, P1937.16, P1937.17, P1937.18, P3394, P3396, P3398, P3403, P3410, P3417, P3406, P3409, P3161.2, P3161.3, P3161.4, P3161.8, P3404, P802.1Qdy, P802.11bn, P802.11-2020/Cor2, P3391, P3407, P3422, P3422, P3405, P3402, P3408, P3414, P1848.1, P3386, P3005.2, P3415, and P3418 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 Broadcast Technology Society/Broadcast Technology Standards Committee P3420

Standard for Aggregated Content Delivery Link Protocol for Radio and Other Audio and Data Services

Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3420. In the absence of objection, the motion was approved.

P3421

Recommended Practice on Spectrum Mask Measurement for Broadcast Transmissions

Recommendation: Approve new PAR until December 2027.

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

P1945

Standard for Internet of Things (IoT) Computing Edge Computing on Unmanned Aircraft Systems-PART 1 General Requirements

Recommendation: Approve new PAR until December 2027.

IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee

P1937.13

Standard for Taxonomy and associated requirements for Unmanned Aircraft System's autonomy levels

Recommendation: Approve new PAR until December 2027.

P1937.15

Standard for Communication Security Requirements for Drone Formation Flying Light Show

Recommendation: Approve new PAR until December 2027.

P1937.16

Standard for Civil Unmanned Aerial Systems (UAS) Cybersecurity Framework

Recommendation: Approve new PAR until December 2027.

P1937.17

Standard for specifications for lithium ion cells and batteries used in Unmanned Aircraft □ Systems (UAS)

Recommendation: Approve new PAR until December 2027.

P1937.18

Charger Used in Unmanned Aircraft Systems - Technical Specification

Recommendation: Approve new PAR until December 2027.

IEEE Computer Society/Artificial Intelligence Standards Committee

P3394

Standard for Large Language Model Agent Interface

Recommendation: Approve new PAR until December 2027.

P3395

Standard for the Implementation of Safeguards, Controls, and Preventive Techniques for Artificial Intelligence (AI) Models

Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3395. In the absence of objection, the motion was approved.

P3396

Recommended Practice for Defining and Evaluating Artificial Intelligence (AI) Risk, Safety, Trustworthiness, and Responsibility

Recommendation: Approve new PAR until December 2027.

P3398

Recommended Practice for Generative Pre-trained Transformer Empowered Software Engineering Life Cycle

Recommendation: Approve new PAR until December 2027.

P3403

Recommended Practice on Data Processing for Training Large Language Models

Recommendation: Approve new PAR until December 2027.

P3410

Guide for Large Scale Financial Risk Models

Recommendation: Approve new PAR until December 2027.

P3417

Standard for Requirements of Differential Privacy-based Personal Information Protection

Recommendation: Approve new PAR until December 2027.

P3419

Standard for Large Language Model Evaluation

Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3419. In the absence of objection, the motion was approved.

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P3406

Standard for a Purge and Destruct Sanitization Framework

Recommendation: Approve new PAR until December 2027.

P3409

Standard for a Zero Trust Security Framework

Recommendation: Approve new PAR until December 2027.

IEEE Computer Society/Data Compression Standards Committee

P3161.2

Standard for End Subsystem of Digital Retina Systems

Recommendation: Approve new PAR until December 2027.

P3161.3

Standard for Edge Subsystem of Digital Retina Systems

Recommendation: Approve new PAR until December 2027.

P3161.4

Standard for Cloud Subsystem of Digital Retina Systems

Recommendation: Approve new PAR until December 2027.

P3161.8

Standard for Security and Privacy Protection of Digital Retina Systems

Recommendation: Approve new PAR until December 2027.

P3404

Standard for Requirements and Framework for Sharing Data and Models for Artificial Intelligence across Multiple Computing Centers

Recommendation: Approve new PAR until December 2027.

IEEE Computer Society/LAN/MAN Standards Committee

P802.1Qdy

IEEE Standard for Local and Metropolitan Area Networks - Bridges and Bridged Networks -Amendment: YANG for the Multiple Spanning Tree Protocol

Recommendation: Approve new PAR until December 2027.

P802.11bn

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 Ultra High Reliability

Recommendation: Approve new PAR until December 2027.

P802.11-2020/Cor 2

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 - Corrigendum 2 Correct the Number Assignment of the Information Identifier (ID) for Enhanced Broadcast Services (EBCS) element of the Access Network Query Protocol (ANQP)

Recommendation: Approve new PAR until December 2027.

IEEE Computer Society/Online Gaming Standards Committee

P3391

Standard for Technical Requirements for Mobile Game Quality

Recommendation: Approve new PAR until December 2027.

IEEE Computer Society/Software & Systems Engineering Standards Committee

P3407

Standard for End-to-End Software Testing Automation Tools

Recommendation: Approve new PAR until December 2027.

IEEE Computer Society/Standards Activities Board

P3422

Recommended Practice for Metaverse Ecosystem Reference Models

Recommendation: Approve new PAR until December 2027.

IEEE Computer Society/Test Technology

P3405

Standard for Chiplet Interconnect Test and Repair

Recommendation: Approve new PAR until December 2027.

IEEE Consumer Technology Society/Smart Devices Standards Committee

P3402

Standard for Technical Requirements of AI-based Driver Behavior Detection Systems

Recommendation: Approve new PAR until December 2027.

P3408

Standard for Security Specifications for Wearable Devices Supporting Payment Services

Recommendation: Approve new PAR until December 2027.

P3414

Standard for Ergonomics Assessment and Technical Specification for Vehicle Displays

Recommendation: Approve new PAR until December 2027.

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P1848.1

Standard for Techniques & Measures to Manage Functional Safety and Other Risks With Regard to Electromagnetic Disturbances – Machinery Sector

Recommendation: Approve new PAR until December 2027.

IEEE Engineering in Medicine and Biology Society/Standards Committee

P3386

Standard for Defining and Inferring User Accessibility Needs for Applications including Augmented Reality and Artificial Intelligence Systems

Recommendation: Approve new PAR until December 2027.

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

P3005.2

Recommended Practice for Application of Generator Systems for Emergency and Standby Power in Industrial and Commercial Power Systems.

Recommendation: Approve new PAR until December 2027.

IEEE Power and Energy Society/Insulated Conductors

P2776

Guide for Specifying and Selecting Cables for Nuclear Facilities

Recommendation: Approve new PAR until December 2027. (Vote: Yes=6, No=2)

IEEE Power and Energy Society/Power System Instrumentation and Measurements

P3415

Guide for Sampling Evaluation of the State of Operating Electrical Energy Meters

Recommendation: Approve new PAR until December 2027.

IEEE Power and Energy Society/Transmission and Distribution

P3418

Guide for the Selection of Permanent Grounding Components for Overhead Transmission Lines

Recommendation: Approve new PAR until December 2027.

IEEE Power Electronics Society/Standards Committee

P3380

Recommended Practice for System Stability of AC Power Converters in Data Centers

Recommendation: Approve new PAR until December 2027.

Doug Edwards served as an appointed mentor and presented his report.

There was a motion to approve the recommendation of P3380. In the absence of objection, the motion was approved.

IEEE SA Board of Governors/Corporate Advisory Group

P3411

Standard for Smart Identification in Internet of Things

Recommendation: Approve new PAR until December 2027.

P3416

Guide for Test Sets and Tools for Testing Protective Relays

Recommendation: Approve new PAR until December 2027.

IEEE Signal Processing Society/Synthetic Aperture Standards Committee

P3397

Standard for Synthetic Aperture Radar (SAR) Image Quality Metrics

Recommendation: Approve new PAR until December 2027.

P3399

Standard for Performance Metrics for Automotive Synthetic Aperture Radar (SAR)

Recommendation: Approve new PAR until December 2027.

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

P7803

Recommended Practice for Inclusive Sustainable Smart Cities

Recommendation: Approve new PAR until December 2027.

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.3-2020/Cor 1

IEEE Standard for Wireless Access in Vehicular Environments (WAVE)--Networking Services - Corrigendum 1: WSA Security Profiles Updates

Recommendation: Approve new PAR until December 2027.

P3412

Standard for Autonomous Driving Architecture (ADA)

Recommendation: Approve new PAR until December 2027.

IEEE Vehicular Technology Society/Traction Power Systems Standards Committee

P3393

Recommended Practice on the Application of IEEE Std 1653.2, Standard for Uncontrolled Traction Power Rectifiers for Substation Applications up to 1500 V DC Nominal Output, to Power Components other than Rectifiers

Recommendation: Approve new PAR until December 2027.

4.4. PARs for the Revision of Standards

There was a motion to approve the recommendations of P12207, P1242, P400.4, P690, P60780-323, and P1474.4 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 Aerospace and Electronic Systems Society/Gyro Accelerometer Panel

P836

Recommended Practice for Precision Centrifuge Testing of Linear Accelerometers

Recommendation: Approve PAR for the revision of a standard until December 2027.

There was a motion to approve the recommendation of P836. In the absence of objection, the motion was approved.

IEEE Computer Society/Software & Systems Engineering Standards Committee

P12207

Systems and software engineering -- Software life cycle processes

Recommendation: Approve PAR for the revision of a standard until December 2027.

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1242

Guide for Specifying and Selecting Power, Control, and Special-Purpose Cable for Petroleum and Chemical Plants

Recommendation: Approve PAR for the revision of a standard until December 2027.

IEEE Power and Energy Society/Insulated Conductors

P400.4

Guide for Field Testing of Shielded Power Cable Systems Rated 5 kV and Above with Damped Alternating Current (DAC) Voltage

Recommendation: Approve PAR for the revision of a standard until December 2027.

IEEE Power and Energy Society/Nuclear Power Engineering

P628

Standard Criteria for the Design, Installation, and Qualification of Raceway Systems for Class 1E Circuits for Nuclear Power Generating Stations

Recommendation: Defer consideration of P628 to the October 2023 NesCom agenda to allow time for the PAR submitters to adequately review NesCom member comments and consider updates to the PAR.

There was a motion to defer P628 to the October NesCom agenda. In the absence of an objection, the motion was approved.

P690

Standard for Design and Installation of Cable Systems for Class 1E Circuits in Nuclear facilities

Recommendation: Approve PAR for the revision of a standard until December 2027.

P60780-323

IEC/IEEE International Standard - Nuclear facilities -- Electrical equipment important to safety -- Qualification

Recommendation: Approve PAR for the revision of a standard until December 2027.

IEEE Vehicular Technology Society/Communications Based Train Control and Signals

P1474.4

Recommended Practice for Functional Testing of a Communications-Based Train Control (CBTC) System

Recommendation: Approve PAR for the revision of a standard until December 2027.

5. Old Business

5.1 Discussion Re: NesCom Convention 8

Oliver Holland reviewed his presentation on Convention 8. A few comments were made. No actions were taken.

5.2 Discussion Re: NesCom Assessment of Non-Technical Standards Proposal

Sara Biyabani reviewed her presentation. She asked for assistance with identifying and classifying non-technical standards. Chair Wang suggested that Sara work on a proposal to create a starting point and for others to provide feedback to Sara.

5.3 Discussion Re: Withdrawal Requests as Part of the NesCom Consent Agenda

Guido Hiertz briefly mentioned his proposal to remove PAR withdrawal requests from the Consent Agenda. Chair Wang suggested that Guido create a proposal to discuss at a future meeting.

5.4 Proposal to Introduce "Void" in the NesCom Agenda when a PAR is Removed from the Agenda

Guido Hiertz briefly mentioned his proposal to have the word "VOID" added to the agenda when a PAR is removed to serve as a placeholder so that the numbering of the PARs do not change. This would require a change with myProject. Chair Wang suggested that Guido create a proposal to discuss at a future meeting. The NesCom Administrator will make IT staff aware of this discussion so that feasibility can be assessed.

6. New Business

6.1 Discussion: Listing of PARS within myProject and Visibility

Due to the lack of meeting time, Doug Edwards indicated that he would work on a proposal to discuss at a future meeting.

7. Next Meeting

The next meeting is scheduled for Wednesday, 25 October at 9:30 a.m. (UTC-4)

8. Adjournment

Chair Wang thanked the NesCom members again for all their hard work. There being no further business, the meeting was adjourned at 12:30 p.m. ET (UTC-4)