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.
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  
**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  
**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, P1474.2, 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 Standards Organization/Standards 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

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.
Recommendation: Approve new PAR until December 2027.

Recommendation: Approve new PAR until December 2027.

Recommendation: Approve new PAR until December 2027.

Recommendation: Approve new PAR until December 2027.

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

Recommendation: Approve new PAR until December 2027.

Recommendation: Approve new PAR until December 2027.

Recommendation: Approve new PAR until December 2027.

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

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**
**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)