

## 22-Oct-2025 NesCom Agenda

Agenda Version: 7  
Time: 9:00 a.m. ET  
Location: Teleconference

### 1. CALL TO ORDER

### 2. INTRODUCTIONS

### 3. REVIEW OF AGENDA

#### 3.1. CONSENT AGENDA

##### 3.1.1. PROJECT NUMBER CHANGE

**3.1.1.1. IEEE POWER AND ENERGY SOCIETY/INSULATED CONDUCTORS (PE/IC) HAS REQUESTED A PAR NUMBER CHANGE REQUEST FOR P1614 TO P400.6**

### 4. APPROVAL OF MINUTES FROM THE 9 SEPTEMBER NESCOM MEETING

 Draft NesCom 090925 minutes v3.pdf

### 5. PARS FOR DISCUSSION

#### 5.1. WITHDRAWAL REQUESTS

##### IEEE Computer Society/Cybersecurity and Privacy Standards Committee

###### 1. P3172

Recommended Practice for Post-Quantum Cryptography Migration

##### IEEE Power and Energy Society/Substations Committee

###### 2. PC37.122.9

Guide for Condition Assessment of Gas-Insulated Substations Rated Above 52 kV

#### 5.2. MODIFIED PARS

##### IEEE Computational Intelligence Society/Standards Committee

###### 1. P2976

Standard for Requirements and Classification of Explainable Artificial Intelligence Systems

##### IEEE Power and Energy Society/Power System Relaying and Control

###### 2. PC37.232

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

##### IEEE Power and Energy Society/Transformers

###### 3. PC57.140

Guide for Life Extension of Liquid Type Power Transformers and Reactors

##### IEEE Robotics and Automation Society/Standing Committee for Standards

###### 4. P3108

Recommended Practice for Design of Human Subjects Studies in Human-Robot Interaction

#### 5.3. EXTENSION REQUESTS

##### IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee

###### 1. P1900.1

Standard for Definitions and Concepts for Dynamic Spectrum Access: Terminology Relating to

Emerging Wireless Networks, System Functionality, and Spectrum Management

**2. P1900.8**

Standard for Training, Testing, and Evaluating Machine-Learned Spectrum Awareness Models

**IEEE Communications Society/Mobile Communication Networks Standards Committee**

**3. P1954**

Standard for Self-Organizing Spectrum-Agile Unmanned Aerial Vehicles Communications

**IEEE Communications Society/Virtualized and Software Defined Networks, and Services Standards Committee**

**4. P1952**

Standard for Resilient Positioning, Navigation and Timing (PNT) User Equipment

**IEEE Computational Intelligence Society/Standards Committee**

**5. P1855**

Standard for Fuzzy Markup Language

**6. P2976**

Standard for XAI – eXplainable Artificial Intelligence - for Achieving Clarity and Interoperability of AI Systems Design

**IEEE Computer Society/Artificial Intelligence Standards Committee**

**7. P2863**

Recommended Practice for Organizational Governance of Artificial Intelligence

**IEEE Computer Society/Blockchain and Distributed Ledgers**

**8. P3223.01**

Standard for Blockchain-based Electronic Evidence Interface Specification

**IEEE Computer Society/Learning Technology**

**9. P9274.2.1**

Standard for JavaScript Object Notation for Linked Data (JSON-LD) for Application Profiles of Learner Experience Data

**IEEE Computer Society/Test Technology**

**10. P1687.2**

Standard for Describing Analog Test Access and Control

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

**11. P11073-10107**

Health Informatics -- Device Interoperability -- Part 10107: Point-of-Care Medical Device Communication -- Nomenclature for External Control of Medical Devices

**12. P11073-10702**

Health Informatics -- Device Interoperability -- Part 10702: Point-of-Care Medical Device Communication -- Alert Provisioning by Participants in a Service-Oriented Device Connectivity (SDC) System

**13. P11073-10703**

Health Informatics -- Device Interoperability -- Part 10703: Point-of-Care Medical Device Communication -- External Control by Participants in a Service-Oriented Device Connectivity (SDC) System

**14. P11073-10720**

Health Informatics -- Device Interoperability -- Part 10720: Point-of-Care Medical Device Communication -- Module Specifications for a Service-Oriented Medical Device Exchange Architecture

**IEEE Industry Applications Society/Industrial Power Conversion Systems Department**

**15. P114**

Standard Test Procedure for Single-Phase Induction Motors

**16. P2964**

Standard for Datasheet Parameters and Tests for Integrated Gate Drivers

**17. P3114**

Standard for Datasheet Parameters and Testing Protocols for Ultraviolet (UV) Light-emitting Diodes (LEDs)

**IEEE Power and Energy Society/Insulated Conductors**

**18. P1120**

Guide for the Planning, Design, Installation, and Repair of Submarine Power Cable Systems

**19. P2810**

Guide for Field Dielectric Enhancement of Polyethylene and Cross-linked Polyethylene Power Cables

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

**20. P1815**

Standard for Electric Power Systems Communications-Distributed Network Protocol (DNP3)

**IEEE Power and Energy Society/Power System Relaying and Control**

**21. PC37.96**

Guide for AC Motor Protection

**22. PC37.99**

Guide for the Protection of Shunt Capacitor Banks

**23. PC37.243**

Guide for Application of Line Current Differential Protection Using Digital Communications

**IEEE Power and Energy Society/Transformers**

**24. PC57.125**

Guide for Failure Investigation, Documentation, Analysis, and Reporting for Power Transformers and Shunt Reactors

**IEEE Power and Energy Society/Transmission and Distribution**

**25. P1048**

Guide for Protective Grounding of Power Lines

**26. P3132**

Guide for Application of Spacers and Spacer Dampers on Bundled Conductors

**IEEE Robotics and Automation Society/Standing Committee for Standards**

**27. P2817**

Guide for Verification of Autonomous Systems

**IEEE SA Board of Governors/International Committee on Electromagnetic Safety**

**28. P62704-1**

IEC/IEEE International Standard for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 100 kHz to 10 GHz  
Part 1—General Requirements for using the Finite Difference Time Domain (FDTD) Method for SAR Calculations

**29. P62704-4**

IEC/IEEE International Standard for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communication Devices, 100 kHz to 10 GHz  
Part 4—General Requirements for Using the Finite-Element Method (FEM) for SAR Calculations

**5.4. NEW PARS**

**IEEE Communications Society/Access and Core Networks Standards Committee**

**1. P1953.2**

Standard for Optical Service Unit (OSU) Over Passive Optical Network (PON)

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

## **Standards Committee**

### **2. P1945.2**

Standard for Internet of Things (IoT) Edge Computing on Unmanned Aircraft Systems—Requirements of Computational Power and Hardware Configuration for Power Grid Inspection.

## **IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee**

### **3. P1936.22**

Standard for File Formats of Flight Route for Multi-Rotor Unmanned Aerial Vehicles (UAVs) Used in Overhead Line Inspection

### **4. P1939.2**

Standard for Data Interaction Requirements for Unmanned Aircraft Traffic Management Systems

## **IEEE Computational Intelligence Society/Standards Committee**

### **5. P3781**

Standard for Taxonomy and Terminology in Quantum Artificial Intelligence

## **IEEE Computer Society/Artificial Intelligence Standards Committee**

### **6. P3752**

Recommended Practice for the Application of Reinforcement Learning Methods in Power Dispatching and Management

### **7. P3786**

Guide for Classification of Artificial intelligence Application Scenarios in the Operation and Maintenance of Electric Power Equipment

## **IEEE Computer Society/Blockchain and Distributed Ledgers**

### **8. P3226.01**

Standard for Web3.0 Ecosystem Reference Models

### **9. P3240.14**

Standard for Framework and Requirements for Trusted Data Interaction at Electric Vehicle Battery Swapping Stations Based on Distributed Ledger Technology

### **10. P3241.06**

Standard for Carbon Footprint Data Collection Based on Blockchain

### **11. P3274.02**

Standard for Technical Requirements of Real World Asset (RWA) Tokenization

### **12. P3274.03**

Standard for Business Requirements of Real World Asset (RWA) Tokenization

### **13. P3274.04**

Standard for Evaluation and Grading of Real World Asset (RWA) Tokenization

### **14. P3275.01**

Standard for Technical Requirements of Digital Asset Custody

### **15. P3275.02**

Standard for Technical Requirements of Web3 Wallets

## **IEEE Computer Society/Cybersecurity and Privacy Standards Committee**

### **16. P3787**

Standard for Secure Data Encapsulation—Policy-Carrying Data Objects, Enforcement Interfaces, and Conformance Requirements

## **IEEE Computer Society/Data Compression Standards Committee**

### **17. P3184.4**

Standard for Compact Feature Representation for Collaborative Driving in Vehicle-to-Everything (V2X) Autonomous Driving Systems

## **IEEE Computer Society/Knowledge Engineering Standards Committee**

**18. P3701.1**

Standard for Performance Benchmarking of Large-Scale Pre-Trained Models in Manufacturing with Knowledge Enhancement

**19. P3790**

Guide for Knowledge Graph Construction and Application for Intelligent User-Side Load Management

**20. P3794**

Standard for Technical Requirements of Knowledge Management Agents

**IEEE Computer Society/Smart Manufacturing Standards Committee**

**21. P3783**

Standard for System Architecture of Embodied Intelligence-Based Agent for Robots in Smart Manufacturing

**22. P3784**

Standard for Maturity Assessment of Industrial Foundation Models

**23. P3785**

Standard for System Architecture of Industrial Foundation Models in Smart Manufacturing

**IEEE Computer Society/Standards Activities Board Standards Committee**

**24. P3158.2**

Standard for Capability Requirements of Trusted Data Spaces

**25. P3158.3**

Standard for the Protocol Requirements of Digital Contracts and Usage Control

**26. P3792**

Standard for a Management Framework for Storage of Personal Protective Equipment (PPE) in Electrical Operations Based on Data Fusion

**IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee**

**27. P3847**

Standard for Technical Requirements and Interoperability Protocols for Decentralized Identity

**28. P3848**

Standard for Decentralized Digital Asset Classification Methodology

**IEEE Consumer Technology Society/Emerging Technology Standards Committee**

**29. P3782**

Standard for the Certification of Technology Readiness Levels Across Sectors

**IEEE Consumer Technology Society/Smart Devices Standards Committee**

**30. P3791**

Standard for Fluency of Human-system Interaction in Extended Reality (XR) Devices

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

**31. P3715**

Standard for a Common Exchange Format for Match-Data in Football (Soccer)

**IEEE Geoscience and Remote Sensing Society/Standards Committee**

**32. P4010**

Standard for Validating Innovations in Agricultural Soil Testing

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

**33. P3793**

Guide for Data Collection and Efficiency Optimization Strategies for Electrical Energy Consumption in Industrial and Commercial Power System Facilities"

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

#### **34. PN42.22**

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

#### **35. PN42.23**

Standard for Measurement and Associated Instrument Quality Assurance for Radioassay Laboratories

### **IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology**

#### **36. P1588n**

IEEE Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems Amendment: Data Sets for Enhanced Accuracy Metrics and Foreign Master

### **IEEE Power Electronics Society/Standards Committee**

#### **37. P3749**

Recommended Practice for Hardware-in-the-Loop Testing of Large-Scale Off-Shore Wind Turbine Systems

### **IEEE SA Board of Governors/Entity Collaborative Activities Governance Board**

#### **38. P3311**

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification—Connected Autonomous Vehicle (MPAI-CAV)—Technologies (CAV-TEC) Version 1.0

#### **39. P3312**

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification—MPAI Metaverse Model (MPAI-MMM)—Technologies Version 2.0

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

#### **40. P7020**

Standard for Transparency, Accuracy, and Source Integrity in Media and Public-facing Information

### **IEEE Vehicular Technology Society/Automated Vehicles Standards Committee**

#### **41. P3734**

Recommended Practice for Artificial Intelligence (AI)-Enabled Performance and Safety Requirements in Police Pursuit Vehicles

## **5.5. PARS FOR THE REVISION OF STANDARDS**

### **IEEE Computer Society/Software & Systems Engineering Standards Committee**

#### **1. P15026-4**

ISO/IEC/IEEE 15026-4 International Standard—Systems and software engineering—Systems and software assurance—Part 4: Assurance in the life cycle

### **IEEE Power and Energy Society/Electric Machinery**

#### **2. P115**

Guide for Test Procedures for Synchronous Machines Including Acceptance and Performance Testing and Parameter Determination for Dynamic Analysis

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

#### **3. P1491**

Recommended Practice for Battery Monitoring in Stationary Applications

#### **4. P1881**

Standard Glossary of Energy Storage and Stationary Battery Terminology

### **IEEE Power and Energy Society/Power System Relaying and Control**

#### **5. P60255-118-1**

IEEE/IEC International Standard - Measuring relays and protection equipment—Part 118-1: Synchrophasor for power systems—Measurements

#### **6. PC37.116**

Guide for Protective Relay Application to Transmission Line Fixed Series Capacitor Banks

## **7. PC37.245**

Guide for the Application of Protective Relaying for Phase Shifting Transformers

## **IEEE Power and Energy Society/Transmission and Distribution**

## **8. P1159.3**

Standard for Power Quality Data Interchange Format (PQDIF)

## **9. P1243**

Guide for Improving the Lightning Performance of Transmission Lines

## **10. P1366**

Recommended Practice for Electric Power Distribution Reliability Indices

## **IEEE SA Board of Governors/Distributed Generation, Energy Storage and Interoperability Standards Committee**

## **11. P1547.6**

Guide for Interconnecting Distributed Energy Resources With Electric Distribution Systems Secondary Networks

## **6. OLD BUSINESS**

## **7. NEW BUSINESS**

## **8. NEXT MEETING**

The next meeting of NesCom will take place on 9 December 2025 in Jersey City, NJ (USA).

## **9. ADJOURNMENT**