

## NesCom - 08 May 2024

Agenda Version: 4  
Time: 9:30 am - 12:00 pm ET (UTC -5)  
Location: Teleconference

### 1. CALL TO ORDER

### 2. REVIEW OF AGENDA

#### 2.1. CONSENT AGENDA

### 3. APPROVAL OF MINUTES FROM THE 20 MARCH 2024 MEETING

### 4. PARS FOR DISCUSSION

#### 4.1. WITHDRAWAL REQUESTS

##### IEEE Computer Society/LAN/MAN Standards Committee

###### 1. P802.3cw

Standard for Ethernet

Amendment: Physical Layers and Management Parameters for 400 Gb/s Operation over DWDM (dense wavelength division multiplexing) systems

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

###### 2. P3140

Standard for Semantic Maps for Autonomous Robots

#### 4.2. MODIFIED PARS

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

###### 1. P3215

Standard for Consensus Framework for Blockchain System

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

###### 2. P2725.1

Standard for Microwave Structural, Vascular, or Functional Brain Imaging Device Safety

##### IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

###### 3. P1451.1.6

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

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

###### 4. P1829

Guide for Conducting Corona Tests on Hardware Assemblies for Overhead Transmission Lines and Substations

##### IEEE Vehicular Technology Society/Intelligent Transportation Systems

###### 5. P3321

Recommended Practice for the Application of Assumptions on Reasonably Foreseeable Behavior of Other Road Users in Safety Related Models

#### 4.3. EXTENSION REQUESTS

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

### **1. P2863**

Recommended Practice for Organizational Governance of Artificial Intelligence

#### **IEEE Computer Society/Test Technology**

### **2. P1450.6.2**

Standard for Memory Modeling in Core Test Language

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

### **3. P1120**

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

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

### **4. P1615**

Recommended Practice for Network Communication for Electric Power Substation Monitoring and Control

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

### **5. PC57.146**

Guide for Interpretation of Gases Generated in Silicone-Immersed Transformers

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

### **6. P393**

Standard for Test Procedures for Magnetic Cores

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

### **7. P62209-3**

Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 3: Vector measurement-based systems (Frequency range of 300 MHz to 6 GHz)

## **4.4. NEW PARS**

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

### **1. P1936.6**

Standard for Unmanned Aircraft Systems based Oblique Photogrammetry Used for Survey and Design of 110 kV and Above Power Transmission and Transformation Projects

### **2. P1936.7**

Standard for Mesh Deployment of Multi-rotor Unmanned Aircraft Systems for Inspection of Electrical Power Facilities

### **3. P1936.8**

Standard for Photovoltaic Power Station Monitoring by Unmanned Aircraft System

### **4. P1936.9**

Standard for Technical Requirements for Electric Heavy-lift Unmanned Aircraft Systems for Power Grid Material Lifting

### **5. P1936.10**

Recommended Practice for Use of Electric Heavy-lift Unmanned Aircraft Systems for Power Grid Material Lifting

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

### **6. P3484**

Recommended Practice for an Artificial Intelligence Imaging and Data Process Model for Sustainable Textile Value Chain Operations

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

### **7. P3483**

Standard for Deep Intermediate Feature Coding

#### **IEEE Computer Society/LAN/MAN Standards Committee**

## **8. P802.1ASeb**

IEEE Standard for Local and Metropolitan Area Networks--Timing and Synchronization for Time-Sensitive Applications                      Amendment: Optional Use of Announce

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

#### **9. P3816.1**

Standard for Certificates of Internet of Rights (IOR)

#### **10. P3816.2**

Standard for Entrusted Storage of Internet of Rights (IOR)

#### **11. P3822**

Standard for Framework of Computational Resource Trading based on Blockchain

#### **12. P3823**

Guide for Privacy-Preserving Computation based Data Element Market Price Mechanism

#### **13. P3824**

Standard for Reference Framework for Blockchain-based Digital Content Management Platform

#### **14. P3825**

Standard for Technical Requirements for Blockchain-based Electronic Transferable Records

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

#### **15. P3475**

Standard for General Requirements for Intelligent Washing Machine and Cleaning Robot All-in-One

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

#### **16. P1451.99**

Standard for Harmonization of Internet of Things (IoT) Systems Interactions

#### **17. P1588.1**

Standard for Client Server Precision Clock Synchronization Protocol

### **IEEE Intelligent Transportation Systems Society/Standards Committee**

#### **18. P3473**

Standard for the Technical Requirements for Large Scale Artificial Intelligence Models for Rail Transit

### **IEEE Magnetics Society/Magnetics Society Standards Committee**

#### **19. P3387**

Guide for Conducting Contactless Current Measurement for High-Voltage (4.76 kV to 800 kV) Multi-Phase Multi-Core Power Cables Based on Magnetic Field Sensing

### **IEEE Power and Energy Society/Analytic Methods for Power Systems**

#### **20. P2882**

Guide for Validation of Software Models of Renewable and Non-renewable Generators for Power System Studies

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

#### **21. PC57.133**

Guide for Evaluating Transformer Performance under Reverse Power Flow

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

#### **22. P3476**

Standard for Unique IDs and Smart Tags for Supply Chain and Asset Traceability for the Electric Grid

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

#### **23. P3472**

Standard for Developing Parallel Autonomy Systems within Passenger Vehicles

#### **24. P3474**

Standard for Human Intentions and Artificial Intelligence Alignment in Autonomous Driving Agent

## 4.5. PARS FOR THE REVISION OF STANDARDS

### IEEE Aerospace and Electronic Systems Society/Radar Systems Panel

#### 1. P521

Standard Letter Designations for Radar-Frequency Bands

### IEEE Antennas and Propagation Society/Antennas and Propagation Standards Committee

#### 2. P211

Standard for Definitions of Terms for Radio Wave Propagation

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

#### 3. P26513

Systems and software engineering -- Testing and reviewing information for users

### IEEE Power and Energy Society/Electric Machinery

#### 4. P1129

Guide for Online Monitoring of Large Synchronous Generators (10 MVA and Above)

#### 5. 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

### IEEE Power and Energy Society/Switchgear

#### 6. PC37.30.3

Standard Requirements for High-Voltage Interrupter Switches, Interrupters, or Interrupting Aids Used on or Attached to Switches Rated for Alternating Currents Above 1000 V

#### 7. PC37.30.4

Standard for Test Code for Switching and Fault Making Tests for High-Voltage Interrupter Switches, Interrupters or Interrupting Aids Used on or Attached to Switches Rated for Alternating Currents Above 1000 V

### IEEE Power and Energy Society/Transformers

#### 8. PC57.12.58

Guide for Conducting a Transient Voltage Analysis of a Dry-Type Winding

#### 9. PC57.19.01

Standard for Performance Characteristics and Dimensions for Power Transformer and Reactor Bushings

#### 10. PC57.93

Guide for Installation and Maintenance of Liquid-Immersed Power Transformers and Reactors

#### 11. PC57.104

Guide for the Interpretation of Gases Generated in Mineral Oil-Immersed Transformers

#### 12. PC57.161

Guide for Dielectric Frequency Response Test for Liquid-immersed Transformers and Reactors

## 5. OLD BUSINESS

## 6. NEW BUSINESS

## 7. NEXT MEETING

The next meeting of NesCom will be a teleconference meeting and will take place on or about 4 or 5 June 2024.

## 8. ADJOURNMENT