NesCom - 30 Jan 2025

Agenda Version: 2
Time: 9:30 a.m. ET (UTC-5)
Location: Teleconference

1. CALL TO ORDER

2. REVIEW OF AGENDA

2.1. CONSENT AGENDA

3. APPROVAL OF MINUTES FROM THE 9 DECEMBER 2024 MEETING

4. PARS FOR DISCUSSION

4.1. WITHDRAWAL REQUESTS

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

1. P1451.4

Standard for A Smart Transducer Interface for Sensors and Actuators--Mixed-Mode Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board

2. P2977

Adoption of the MIPI A-PHY Specification Version 1.1

4.2. MODIFIED PARS

IEEE Computer Society/Software & Systems Engineering Standards Committee

1. P25070

Systems and software engineering --Systems and software Quality Requirements and Evaluation (SQuaRE)--Quality engineering framework

IEEE Computer Society/Standards Activities Board Standards Committee

2. P2796.1

Standard for Data Requirements for Internet of Food Systems

3. P2796.2

Standard for Data Exchange Architecture and Interface Requirements for Internet of Food Systems

IEEE Power and Energy Society/Switchgear

4. PC37.17

Standard for Trip Systems Integral to Low-Voltage (1000 V and below) AC and General Purpose (1500 V and below) DC Power Circuit Breakers

IEEE Power and Energy Society/Transformers

5. PC57.141

Guide for Detection, Monitoring, and Evaluation of Winding Deformation in Liquid-Immersed Power Transformers

IEEE SA Board of Governors/International Committee on Electromagnetic Safety

6. P62704-3

Determining the Peak Spatial-Average Specific Absorption Rate in the Human Body from Wireless Communications Devices, 30 MHz to 6 GHz—Part 3: Specific Requirements for Using the Finite Difference Time Domain Method for Specific Absorption Rate Calculations of Mobile Phones

4.3. EXTENSION REQUESTS

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

1. P2023

Standard for Digital Transformation Architecture and Framework

IEEE Power and Energy Society/Energy Development & Power Generation

2. P1095

Guide for the Installation of Vertical Generators and Generator/Motors for Hydroelectric Applications

4.4. NEW PARS

IEEE Communications Society/Power Line Communications

1. P1962

Standard for Providing Broadband Connectivity to the Rural Infrastructure by Utilizing Solar Panels as a Communication Receiver

2. P2030.5.1

Standard for Common Smart Inverter Profile of IEEE 2030.5

IEEE Communications Society/Standards Development Board

3. P6888

Standard for Data Space and Privacy Technology Architecture

IEEE Computer Society/Artificial Intelligence Standards Committee

4. P3526

Guide for Threat Intelligence Retrieval Framework Based on Large Language Model

5. P3559

Standard for Technical Requirements of Multimodal Large Language Models in Smart Home Application

6. P57050

Standard for Fairness Assessment and Rating of Artificial Intelligence Systems

IEEE Computer Society/Blockchain and Distributed Ledgers

7. P3551

Recommended Practices for Reference Framework for Blockchain-based Financial Data Circulation and Valuation Platform

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

8. P3348

Standard for Space System Cybersecurity Design

9. P3578

Recommended Practice for Use of Cybersecurity in Sustainability

IEEE Computer Society/Knowledge Engineering Standards Committee

10. P3558

Guide for Knowledge Graph of Intelligent Flexible Assembly

IEEE Computer Society/LAN/MAN Standards Committee

11. P802.1CBec

IEEE Standard for Local and metropolitan area networks--Frame Replication and Elimination for Reliability   Amendment: Guidance for Sequence Recovery Function Parameter Configuration

IEEE Computer Society/Microprocessor Standards Committee

12. P1003.1-2024/Cor 1

IEEE/Open Group Standard for Information Technology--Portable Operating System Interface (POSIX™) Base Specifications, Issue 8 - Corrigendum 1

IEEE Computer Society/Standards Activities Board Standards Committee

13. P3570

Standard for a Data Service Capability Model

IEEE Computer Society/Test Technology

14. P1687.1

Standard for the Application of Interfaces and Controllers to Access 1687 IJTAG Networks Embedded Within Semiconductor Devices

IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee

15. P3833

Standard for Framework for Proactive AI Agent Based on Multi-modal Human Computer Interaction

IEEE Consumer Technology Society/Emerging Technology Standards Committee

16. P2089.1-2024/Cor 1

IEEE Standard for Online Age Verification - Corrigendum 1

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

17. P3023

Recommended Practice for Intelligent Interaction Systems Based on Industrial Cloud Platforms for the Manufacturing Industry

18. P3567

Guide for Operational Life Cycle Assessment of Fiber-reinforced Composite Electric Power Equipment

19. P3568

Guide for Terms and Test Methods of Fiber-reinforced Composite Electric Power Equipment

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

20. P3589

Standard for Early Characteristic Gas Detection of Lithium Ion Batteries with Thermal Runaway

IEEE Intelligent Transportation Systems Society/Standards Committee

21. P3560

Guide for Carbon Footprint Assessment of Electric Vehicle Supply Equipment

IEEE Photonics Society/Standards Committee

22. P3576

Standard for Quality Inspection of Metal-Metallurgical Connection Components by X-ray Technology

IEEE Power and Energy Society/Analytic Methods for Power Systems

23. P3557

Recommended Practices for Sustainability Analysis of Power Systems

IEEE Power and Energy Society/Insulated Conductors

24. P3556

Guide for Direct Current Fast Charging Cables with Thermal Management for Electric Vehicles

IEEE Power and Energy Society/Power System Instrumentation and Measurements

25. P3541

Guide for Test Method of Harmonic Influence Test Equipment for Electrical Energy Meters

26. P3563

Guide for Technology of Direct Current Standard Signal Sources with Digital Output

IEEE Power and Energy Society/Switchgear

27. PC37.303

Guide for Field Measurement of Partial Discharge within switchgear (above 1000 Vac)

IEEE Power and Energy Society/Transformers

28. PC57.12.55

Standard for Enclosure Requirements for Dry-type Transformers

29. PC57.12.60-2020/Cor 1

IEEE Standard for Thermal Evaluation of Insulation Systems for Dry-Type Power and Distribution Transformers - Corrigendum 1

30. PC57.13.11

Standard Requirements for Low Power Instrument Transformers for 69kV or Higher Nominal System Voltage

31. PC57.15.01

Standard Requirements for Pad-Mounted Compartmental-Type Step-Voltage Regulators

IEEE Power and Energy Society/Transmission and Distribution

32. P3554

Guide for Detection Method of X-ray for Transmission Line Conductor Crimping

33. P3555

Standard for Test Method of Fiber Ropes Used in Construction of Overhead Transmission Lines

34. P3561

Guide for DMS Fault Location, Isolation, and Service Restoration Application

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board

35. P3566

Guide for Electric Meter Replacement without Disconnect Using Bypass

36. P3574

Guide for Satellite Monitoring System for Wildfires in Overhead Transmission Line Corridors

37. P3575

Guide for Construction of Digital Twin Substation: Part 1 General Provisions

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

38. P3564

Recommended Practice for Implementation of Gender Equity and Social Inclusion Considerations in Low Carbon Energy Transition Programs

IEEE Vehicular Technology Society/Automated Vehicles Standards Committee

39. P3573

Guide for Online Monitoring System of Public Electric Vehicle Charging Facilities

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

40. P3565

Standard for Icing-monitoring and Ice-melting System for the Catenary of Electrified High-speed Railway

41. P3571

Guide on the Selection of Roof Insulators for Electric Locomotive

42. P3572

Standard for Overvoltage Monitoring System with Protection Measures for Traction Power Supply System of High-speed Railway

IEEE Vehicular Technology Society/Overhead Contact Systems

43. P3535

Guide for the Construction of Overhead Contact Systems for Direct Current Transit Systems

4.5. PARS FOR THE REVISION OF STANDARDS

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

1. P1619.2

Standard for Wide-Block Encryption for Shared Storage Media

IEEE Computer Society/LAN/MAN Standards Committee

2. P802.1CB

Standard for Local and metropolitan area networks--Frame Replication and Elimination for Reliability

3. P802.16

Standard for Air Interface for Broadband Wireless Access Systems

IEEE Electromagnetic Compatibility Society/Standards Development Committee

4. P299

Standard Method for Measuring the Effectiveness of Electromagnetic Shielding Enclosures

5. P299.1

Standard Method for Measuring the Shielding Effectiveness of Enclosures and Boxes Having all Dimensions between 0.1 m and 2 m

IEEE Power and Energy Society/Insulated Conductors

6. P575

Guide for Application of Sheath-Bonding Methods for Single-Conductor Cables and the Calculation of Induced Voltages and Currents in Cable Sheaths

IEEE Power and Energy Society/Nuclear Power Engineering Committee

7. P603

Standard Criteria for Safety Systems for Nuclear Power Generating Stations

IEEE Power and Energy Society/Substations Committee

8. P980

Guide for Containment and Control of Oil Spills in Substations

IEEE Power and Energy Society/Switchgear

9. PC37.04

Standard for Ratings and Requirements for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V

10. PC37.59

Standard for Requirements for Conversion of Power Switchgear Equipment

IEEE Power and Energy Society/Transformers

11. PC57.140

Guide for Evaluation and Reconditioning of Liquid Immersed Power Transformers

IEEE Vehicular Technology Society/Intelligent Transportation Systems

12. P1609.3

Standard for Wireless Access in Vehicular Environments (WAVE)--Networking Services

13. P2020

Standard for Automotive System Image Quality

5. OLD BUSINESS

6. NEW BUSINESS

7. NEXT MEETING

The next meeting of NesCom will be a hybrid meeting. The meeting will be held on 24 or 25 March in Seoul, Republic of Korea.

8. ADJOURNMENT