

NesCom - 18 Jun 2025

Agenda Version: 1
Time: 9:00 am - 12:00 pm CEST (UTC+2)
Location: Hybrid - Vienna, Austria and teleconference

1. CALL TO ORDER

2. REVIEW OF AGENDA

2.1. CONSENT AGENDA

3. APPROVAL OF MINUTES FROM THE 7 MAY NESCOM MEETING

4. PARS FOR DISCUSSION

4.1. WITHDRAWAL REQUESTS

IEEE Computer Society/Microprocessor Standards Committee

1. P3120

Standard for Quantum Computing Architecture

IEEE Power and Energy Society/Switchgear

2. P62271-37-082

High-voltage Switchgear and Controlgear - Part 37-082: Standard Practice for the Measurement of Sound Pressure Levels on Alternating Current Circuit-breakers

4.2. MODIFIED PARS

IEEE Computer Society/Knowledge Engineering Standards Committee

1. P2807.6

Guide for Architectural Framework and Application of Educational Knowledge Graph

IEEE Computer Society/Learning Technology

2. P2247.2

Interoperability Standards for Adaptive Instructional Systems (AISs)

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

3. P3005.7

Recommended Practice for Application of Electrical Metering for Energy Management of Industrial and Commercial Power Systems

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

4. PN42.37

Standard for Preventive Radiological/Nuclear Detection Mission Training

IEEE Power and Energy Society/Nuclear Power Engineering Committee

5. P62671

Nuclear Power Plants - Instrumentation and Control Important to Safety - Selection and Use of Industrial Digital Devices of Limited Functionality

IEEE Power and Energy Society/Transmission and Distribution

6. P3413

Guide for Acceptance of Double Horizontal Jibs Gin Pole on Ground for Transmission Tower Erection

IEEE SA Board of Governors/International Committee on Electromagnetic Safety

7. 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

8. 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

4.3. EXTENSION REQUESTS

IEEE Computer Society/Knowledge Engineering Standards Committee

1. P2807.6

Guide for K-12 Educational Knowledge Graphs

IEEE Computer Society/Learning Technology

2. P2247.2

Interoperability Standards for Adaptive Instructional Systems (AISs)

IEEE Computer Society/Microprocessor Standards Committee

3. P3109

Standard for Arithmetic Formats for Machine Learning

IEEE Geoscience and Remote Sensing Society/Standards Committee

4. P4006

Standard for Remote Sensing Frequency Band Radio Frequency Interference (RFI) Impact Assessment

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

5. P3003.4

Recommended Practice for Connections to Earth for Alternating Current (AC) Industrial and Commercial Power Systems Facilities

6. P3004.9

Recommended Practice for the Protection of Transformers Used in Industrial and Commercial Power Systems

IEEE Power Electronics Society/Standards Committee

7. P2996

Recommended Practice for Near Magnetic Field and Electric Field Characterization of Inductors

8. P61007-389

Standard for Transformers and Inductors for use in Electronic and Telecommunication Equipment - Measuring Methods and Test Procedures

IEEE Reliability Society/IEEE Reliability Society Standards Committee

9. P1413.1

Guide for Selecting and Using Reliability Predictions Based on IEEE 1413

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board

10. P2413.2

Standard for a Reference Architecture for Power Distribution Internet of Things (PDIoT)

4.4. NEW PARS

IEEE Circuits and Systems Society/Flexible and Wearable Circuits and Systems Standards Committee

1. P3598

Standards for Wearable and Implantable ExG Interface Circuits

IEEE Circuits and Systems Society/Hardware Security Standards Committee

2. P3718

Standard for Hardware Security for Attacks Landscape and Protection Requirements

IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee

3. P1936.19

Recommended Practice for Image Encoding and Decoding in Unmanned Aerial Vehicle Inspection of Overhead Transmission Lines

4. P1936.20

Standard for Fault-Risk Identification in Power Lines by Unmanned Aircraft System (UAS) Light laser Detection And Ranging (LiDAR)

5. P1958.5

Standard for Technical Requirements and Testing Methods for Hydrogen Cylinders Valves of Unmanned Aircraft Systems in Low-Temperature Environments

IEEE Computational Intelligence Society/Standards Committee

6. P3702

Standard for Evaluation Metrics and Methods for Large Models of Electric Power Sector

7. P3706

Guide for Brain-inspired Computing and Intelligent Systems

IEEE Computer Society/Artificial Intelligence Standards Committee

8. P3410.1

Standard for Constructing Large Scale Financial Risk Management Models

9. P3551

Standard for Framework for Electric Power On-Device Large Language Model Evaluation

10. P3591

Causal Standard for Fair Decision Making

11. P3711

Standard of Performance Benchmarking for Artificial Intelligence (AI) in Video Database Management Systems (DMS)

IEEE Computer Society/Blockchain and Distributed Ledgers

12. P3234.01

Standard for Blockchain-based Trusted Evolutionary Scheduling Model for Emergency Supplies

13. P3240.08

Standard for Technical Requirements of Blockchain-Based Carbon Footprint Management in Coal-Fired Power Generation

14. P3240.09

Standard for Technical Specification for Collaborative Control of Microgrid Based on Blockchain

15. P3240.10

Standard for Technical Requirements for Blockchain-Based Lifecycle Traceability Systems of Green Electricity

16. P3273.01

Standard for Technical Requirement for Blockchain-based Structured Financial Product Clearing and Settlement System

17. P3274.01

Standard for Blockchain Based Technical Specification for Real-World Assets Registry System

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

18. P3595

Standard for Data Security Governance Framework in Data Sharing

IEEE Computer Society/Learning Technology**19. P1484.20.3a**

IEEE Standard for Learning Technology--Data Model for Shareable Competency Definitions
Amendment: Open Source

20. P9274.1.1-2023/Cor 1

IEEE Standard for Learning Technology--JavaScript Object Notation (JSON) Data Model Format and Representational State Transfer (RESTful) Web Service for Learner Experience Data Tracking and Access - Corrigendum 1:Improving Adoption

IEEE Computer Society/Standards Activities Board Standards Committee**21. P3713**

Standard for Technical Specification for Server Cold Plate

IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee**22. P3836**

Standard for Requirements for the Framework of Data Management and Services in Energy Digitalization Systems

23. P3837

Standard for Reference Framework for Economical and Comprehensive Training of Embodied Intelligence

24. P3838

Standard for Unmanned Aerial Vehicles (UAV) Identification and Record Management System in Low-Altitude Economy

IEEE Engineering in Medicine and Biology Society/Standards Committee**25. P3715**

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

26. P3716

Standard for the Quality Assessment of Human and Object Tracking Technologies Used in Field- or Court-based Sports

IEEE Industry Applications Society/Industrial & Commercial Power Systems Standards Development Committee**27. P3705**

Recommended Practice for the Power Converters Selection of Distribution Grid in Photovoltaic-Energy Storage-DC-Flexibility Integrated Buildings

28. P3710

Guide for Design of Modular Data Centers

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology**29. P1588k**

IEEE Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems — Amendment: Security Enhancements

IEEE Intelligent Transportation Systems Society/Standards Committee**30. P3719**

Standard for Mobile Drone Docking Stations

IEEE Magnetics Society/Magnetics Society Standards Committee**31. P3599**

Standard for the Methods and Procedures for Characterizing Planar-Hall Magnetic Field Sensors

IEEE Power and Energy Society/Electric Machinery**32. P97**

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

33. P4333

Standard for Anode-free Lithium Metal Battery and Battery Pack

IEEE Power and Energy Society/Substations Committee

34. P837-2024/Cor 1

IEEE Standard for Qualifying Permanent Connections Used in Substation Grounding — Corrigendum 1 Figure D.1 Modification

IEEE Power and Energy Society/Transmission and Distribution

35. P3476.1

Standard for Supply Chain and Asset Traceability for Energy (SCATE) - Structures and Support

36. P3476.2

Standard for Supply Chain and Asset Traceability for Energy (SCATE) - Joints, Terminations, and Connectors

37. P3476.3

Standard for Supply Chain and Asset Traceability for Energy (SCATE) - Interrupting Devices

38. P3476.4

Standard for Supply Chain and Asset Traceability for Energy (SCATE) - Switching Devices

39. P3476.5

Standard for Supply Chain and Asset Traceability for Energy (SCATE) - Energy Transformation Devices

40. P3476.6

Standard for Supply Chain and Asset Traceability for Energy (SCATE) - Conductors

41. P3476.7

Standard for Supply Chain and Asset Traceability for Energy (SCATE) - Surge Protection Devices

42. P3587

Standard for Wear-Resistance Fittings of Overhead Lines—Part 1: Definition and General Requirements

43. P3588

Standard for Wear-Resistance Fittings of Overhead Lines—Part 2: Test Methods

44. P3590

Guide for Technical Parameters and Acceptance Methods of Double Rocker Jibs Gin Poles on Ground for Transmission Tower Erection

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board

45. P2413.2.1

Standard for Testing Products, Systems, and Implementations Based on IEEE 2413.2

46. P3717

Guide for Wide-Bandwidth Measuring System for High Voltage Transmission Systems Rated 100 kV and Above

IEEE Sensors Council/Standards Committee

47. P2520.2.2

Standard for Landfill Odor Monitoring Devices and Systems

4.5. PARS FOR THE REVISION OF STANDARDS

IEEE Engineering in Medicine and Biology Society/Standards Committee

1. P2621.1

Standard for Connected Medical Device Security Assurance Evaluation: Connected Electronic Product Security Evaluation Programs

2. P2621.2

Standard for Connected Medical Device Security: Information Security Requirements for Connected Medical Device Solutions

IEEE Power and Energy Society/Nuclear Power Engineering Committee

3. P650

Standard for Qualification of Class 1E Static Battery Chargers, Inverters, and Uninterruptible Power Supply Systems for Nuclear Facilities

IEEE Power and Energy Society/Substations Committee

4. P1267

Guide for Development of Specifications for Turnkey Substation Projects

IEEE Power and Energy Society/Transformers

5. PC57.120

Guide for Loss Evaluation of Distribution and Power Transformers and Reactors

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board

6. P1858

Standard for Camera Perceptual Image Quality (CPIQ)

IEEE Vehicular Technology Society/Communications Based Train Control and Signals

7. P1570

Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection

5. OLD BUSINESS

6. NEW BUSINESS

7. NEXT MEETING

The next meeting of NesCom will be a teleconference meeting and will take place on 9 September 2025 via webex.

8. ADJOURNMENT