NesCom - 30 January 2023

Agenda Version: 1
Time: 9:30 a.m. ET (UTC-5)
Location: Teleconference

1. CALL TO ORDER

2. REVIEW OF AGENDA

2.1. CONSENT AGENDA

2.1.1. WITHDRAWAL REQUESTS

IEEE Consumer Technology Society/Blockchain Standards Committee

1. P2146.2
Standard for External Data Retrieval of Blockchain for Risk Mutual Assistance Model

2.1.2. STANDARDS COMMITTEE TRANSFER REQUEST FOR TWO PARS AND TWO STANDARDS FROM VT/RTSC TO VT/TPSSC

SC Transfer from VT RTSC to VTS TPSSC.pdf

2.1.3. STANDARDS COMMITTEE TRANSFER REQUEST FOR ONE STANDARD FROM VT/RTSC TO VT/HSTMSC

SC Transfer of IEEE 2753 to HSTMSC.pdf

2.1.4. PROJECT NUMBER CHANGE REQUEST FOR P2975 'STANDARD FOR INDUSTRIAL ARTIFICIAL INTELLIGENCE (AI) DATA ATTRIBUTES'

IEEE P2975 renumbering to IEEE P2975.1.pdf

3. APPROVAL OF MINUTES FROM THE 25 OCTOBER AND 02 DECEMBER 2022 MEETINGS

4. PARS FOR DISCUSSION

4.1. MODIFIED PARS

IEEE Computer Society/Blockchain and Distributed Ledgers

1. P3219
Standard for Blockchain-based Zero-Trust Framework for Internet of Things (IoT)

IEEE Computer Society/Learning Technology

2. P1484.2
Recommended Practices for Learning and Employment Record (LER) Ecosystems

IEEE Computer Society/Microprocessor Standards Committee

3. P3109
Standard for Arithmetic Formats for Machine Learning

IEEE Computer Society/Standards Activities Board

4. P2858
Recommended Practice for Mini-program Interoperability

IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee

5. P3812.1
Standard for General Requirements for Identity Framework for Metaverse
IEEE Consumer Technology Society/Metaverse Standards Committee

6. P2048
Standard for Metaverse: Terminology, Definitions, and Taxonomy

IEEE Engineering in Medicine and Biology Society/Standards Committee

7. P2418.6
Standard for a Framework for Web3 in Decentralized Trusted Work Flows in Healthcare and Life Sciences

IEEE Geoscience and Remote Sensing Society/Standards Committee

8. P4002
Standard for Synthetic Aperture Radar Metadata Content

IEEE Power and Energy Society/Analytic Methods for Power Systems

9. P1729
Recommended Practice for Electric Power Distribution System Analysis

IEEE Power and Energy Society/Insulated Conductors

10. P2789
Guide for the Selection and Application of Cables Used in Enclosed Transit Infrastructure

IEEE Power and Energy Society/Nuclear Power Engineering

11. P845
Guide for the Evaluation of Human-System Performance in Nuclear Power Generating Stations and Other Nuclear Facilities

IEEE Power and Energy Society/Switchgear

12. PC37.10
Recommended Practice for Investigation, Analysis, and Reporting of Failures of AC High-Voltage Circuit Breakers and Circuit Switchers with Rated Maximum Voltage Above 1000 V

13. PC37.14
Standard for Low-Voltage DC (3200 V and below) Power Circuit Breakers Used in Enclosures

14. PC37.20.7
Recommended Practice for Testing Switchgear Rated Up to 52 kV for Internal Arcing Faults

IEEE Power and Energy Society/Transformers

15. PC57.107
Recommended Practice for Developing Short-Term Overexcitation V/Hz Curves for Transformers Directly Connected to Generators

IEEE SA Board of Governors/SC39 - International Committee on Electromagnetic Safety

16. 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)

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

17. P7016
Standard for Ethically Aligned Design and Operation of Metaverse Systems

4.2. EXTENSION REQUESTS

IEEE Microwave Theory and Techniques Society/Standards Committee

1. P2822
Recommended Practice for Microwave, Millimeter-wave and THz On-Wafer Calibrations, De-Embedding and Measurements

4.3. NEW PARS
IEEE Computer Society/Artificial Intelligence Standards Committee

1. P3347
   Standard for Description Schemas for Neural Network Architectures

2. P3348
   Standard for the Framework, Requirements and Evaluation Methods of 2D Real-Person Digital Costume Model Generation System Based on Artificial Intelligence

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

3. P2883.2
   Recommended Practice for Virtualized and Cloud Storage Sanitization

4. P3349
   Standard for Space System Cybersecurity

IEEE Computer Society/Learning Technology

5. P9274.3.1
   Standard for Packaging, Launch, and Run-time of xAPI in Session-based Learning

IEEE Computer Society/Online Gaming Standards Committee

6. P3341
   Recommended Practice for Mobile Game Experience Indicators and Evaluation Criteria

IEEE Computer Society/Smart Manufacturing Standards Committee

7. P2975.2
   Standard for Model Verification & Validation of Industrial Artificial Intelligence Systems

8. P2975.3
   Recommended Practice for Software Framework for Industrial AI At-the-edge

IEEE Computer Society/Software & Systems Engineering Standards Committee

9. P82079-2
   Preparation of information for use (instructions for use) of products--Part 2: Assembly of self-assembly products

IEEE Computer Society/Standards Activities Board

10. P3158.1
    Standard for Testing and Performance of Trusted Data Matrix System

11. P3329
    Standard for Quantum Computing Energy Efficiency

IEEE Engineering in Medicine and Biology Society/Standards Committee

12. P3337
    Standard for Intelligent Power, Security, Connectivity (IPSC) for Wellness and Accessibility

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

13. P3001.1
    Recommended Practice for the Planning and Design of Industrial and Commercial Power Systems

IEEE Power and Energy Society/Electric Machinery

14. P3331
    Guide for Measurement of DC (Direct Current) Voltage Withstand Test and Leakage Current of Stator Winding of Large Water Internal Cooling Generator

IEEE Power and Energy Society/Nuclear Power Engineering

15. 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/ Switchgear

16. PC37.20.9a
Standard for Metal-Enclosed Switchgear Rated 1 kV to 52 kV Incorporating Gas Insulating Systems
Amendment: Clarification of MEGIS types covered and production test

IEEE Power and Energy Society/Transmission and Distribution

17. P1159.3-2019/Cor 1
Recommended Practice for Power Quality Data Interchange Format (PQDIF) - Corrigendum 1

IEEE Robotics and Automation Society/ Standing Committee for Standards

18. P3345
Guide for Terminology and Classification of Electric Vehicle Charging Robots

19. P3346
Guide for General Requirements of Electric Vehicle Charging Robots

IEEE SA Board of Governors/Corporate Advisory Group

20. P3182
Standard for a Unified Terminology and Framework for Percutaneous and Non-Fluoroscopic Technology (PAN technology) in Cardiovascular Diseases

IEEE Signal Processing Society/ Synthetic Aperture Standards Committee

21. P3339
Recommended Practice for Aperture Synthesis of Architectural Instantiations of Radiometer Arrays

22. P3343
Standard for Field-Portable Synthetic Apertures

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

23. P7016.1
Standard for Ethically Aligned Educational Metadata in Extended Reality (XR) & Metaverse

24. P7801
Recommended Practice for Technical Knowledge Commons Initiatives and Platforms

25. P7802
Standard for Regenerative Climate Action and Carbon Offsets

IEEE Vehicular Technology Society/ Intelligent Transportation Systems

26. P3344
Standard for Scenario Description Language for Autonomous Driving

IEEE Vehicular Technology Society/ Traction Power Systems Standards Committee

27. P3340

4.4. PARS FOR THE REVISION OF STANDARDS

IEEE Computer Society/ Cloud Computing Standards Committee

1. P2301
Guide for Cloud Portability and Interoperability Profiles (CPIP)

IEEE Microwave Theory and Techniques Society/ Standards Committee

2. P1765
Recommended Practice for Estimating the Uncertainty in Error Vector Magnitude of Measured Digitally Modulated Signals for Wireless Communications: Conducted and Over-the-Air Hardware Verification

IEEE Power and Energy Society/ Nuclear Power Engineering
3. **P352**
Guide for General Principles of Reliability Analysis of Nuclear Power Generating Station Systems and Other Nuclear Facilities

4. **P649**
Standard for Qualifying Class 1E Motor Control Centers for Nuclear Facilities

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

5. **PC37.103**
Guide for Differential and Polarizing Relay Circuit Testing

**IEEE Power and Energy Society/Switchgear**

6. **PC37.13.1**
Standard for Definite-Purpose Switching Devices for Use in Metal-Enclosed Low-Voltage (600 V AC and Below) Power Circuit Breaker Switchgear

7. **PC37.21**
Standard for Control Switchboards

**IEEE Power and Energy Society/Transformers**

8. **PC57.12.34**
Standard Requirements for Pad-Mounted, Compartmental-Type, Self-Cooled, Three-Phase Distribution Transformers, 10 MVA and Smaller; High-Voltage, 34.5 kV Nominal System Voltage and Below; Low-Voltage, 15 kV Nominal System Voltage and Below

9. **PC57.32**
Standard for Requirements, Terminology, and Test Procedures for Neutral Grounding Devices

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

10. **P1070**

**IEEE Vehicular Technology Society/Rail Transportation Standards Committee**

11. **P1478**
Standard for Environmental Conditions for Transit Railcar Electronic Equipment

5. **OLD BUSINESS**

6. **NEW BUSINESS**

7. **NEXT MEETING**

   The next meeting of NesCom will take place on 29 March 2023 in Mexico City, Mexico.

8. **ADJOURNMENT**