IEEE SA Standards Board New Standards Committee (NesCom)
Meeting Minutes
07 December 2021
8:30 a.m. - 11:30 a.m. ET (UTC-5)
Teleconference

Members Present:
Doug Edwards
Ramy A. Fathy, Vice Chair
Guido Hiertz
Wei Hong
Daleep Mohla
Annette Reilly
Dorothy Stanley, Chair
Mehmet Ulema
Lei Wang
Karl Weber
Sha Wei, Vice Chair
Don Wright
Daidi Zhong

Members Absent:
Chenhui Niu

Guests:
Tarek Al-Sitt
Alison Aquilina
Jyotika Athavale
Edward Au
Allen Chen
Jennyffer Cisneros
Eve Gadzikwa
Latonia Gordon
Gary Hoffman
Victor Huang
Tyler Jaynes
Yixiong Kok
Dominik Krantz
John Kulick
Kevin Lu
Carol McDonald
Avygdor Moise
Paul Nikolich
Glenn Parsons
Robby Robson
1 CALL TO ORDER AND INTRODUCTIONS

Chair Stanley called the meeting to order at 8:32 a.m. ET (UTC-5). She welcomed everyone, and gave a special welcome to the IEEE Standards Fellowship Program participants. There was a round of introductions by all in attendance.

2 REVIEW AND APPROVAL OF THE AGENDA

The agenda was reviewed, and Chair Stanley asked if there were any changes to be made to the agenda. There were none.

A motion was made (Wright) and seconded (Wei) to approve the 07 December 2021 NesCom meeting agenda, including the consent agenda. In the absence of objection, the motion was approved.
2.1 Consent Agenda

2.1.1 Withdrawal Requests

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

P3007.1
Recommended Practice for the Operation and Management of Industrial and Commercial Power Systems
Recommendation: Approve PAR withdrawal

P3007.3
Recommended Practice for Electrical Safety in Industrial and Commercial Power Systems
Recommendation: Approve PAR withdrawal

IEEE Instrumentation and Measurement Society/TC4 - High Frequency Measurement

P287
Standard for Precision Coaxial Connectors (DC-110 GHZ)
Recommendation: Approve PAR withdrawal

2.1.2 PARs for Administrative Withdrawal

Note: The approval of this list of expired PARs to be administratively withdrawn was included in the approval of the agenda and consent agenda. The following PARs have been administratively withdrawn:

P2048.6 (CTSoc/VRARSC)
Standard for Virtual Reality and Augmented Reality: Immersive User Interface
(New PAR)

P2048.7 (CTSoc/VRARSC)
Standard for Virtual Reality and Augmented Reality: Map for Virtual Objects in the Real World
(New PAR)

P2048.8 (CTSoc/VRARSC)
Standard for Virtual Reality and Augmented Reality: Interoperability between Virtual Objects and the Real World
(New PAR)

P2048.9 (CTSoc/VRARSC)
Standard for Virtual Reality and Augmented Reality: Immersive Audio Taxonomy and Quality Metrics
(New PAR)

P2048.10 (CTSoc/VRARSC)
Standard for Virtual Reality and Augmented Reality: Immersive Audio File and Stream Formats
(New PAR)

P2048.11 (CTSoc/VRARSC)
Standard for Virtual Reality and Augmented Reality: In-Vehicle Augmented Reality
(New PAR)

P2048.12 (CTSoc/VRARSC)
Standard for Virtual Reality and Augmented Reality: Content Ratings and Descriptors
2.1.3 Standards Committee Transfer Request for Four PARs to Move from C/SAB to C/OGSC

Note: The approval of this Standards Committee change request was included in the approval of the agenda and consent agenda. The following four PARs have been moved from C/SAB to C/OGSC:

P2946 ‘Guide for Electronic Sports (Esports) Integrity'
P2947 ‘Guide for Broadcasting Electronic Sports (Esports) Events'
P2948 ‘Standard for Framework and Definitions for Cloud Gaming’
P2949 ‘Recommended Practice for the Evaluation of Cloud Gaming User Experiences’
A motion was made (Mohla) and seconded (Hong) to approve the minutes of the 22 September 2021 NesCom meeting. In the absence of objection, the motion was approved.

4 PARS FOR DISCUSSION

For the benefit of the IEEE Standards Fellowship Program participants, Chair Stanley described the NesCom process of reviewing the PARs prior to the meeting and providing feedback to the Working Group Chairs to update and enhance the PARs.

4.1 Modified PARs

IEEE Computer Society/Functional Safety Standards Committee

P2851
Standard for Functional Safety Data Format for Interoperability within the Dependability Lifecycle
Recommendation: Approve modified PAR until December 2023

IEEE Computer Society/Software & Systems Engineering Standards Committee

P29119-1
Recommendation: Approve modified PAR until December 2023

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

P11073-10725
Health Informatics - Device Interoperability - Part 10725: Point-of-Care Medical Device Communication - Device Specialization - Suction and Irrigation Pump
Recommendation: Approve modified PAR until December 2023

IEEE Power and Energy Society/Insulated Conductors

P1202
Standard for Testing Flame-Propagation and Smoke Generation of Cables
Recommendation: Approve modified PAR until December 2022

P2417
Guide for Early Detection, Mitigation, Preventative Measures, and Response to Smoke, Fire, and Explosions in Underground Electrical Structures
Recommendation: Approve modified PAR until December 2022

IEEE Power and Energy Society/Power System Relaying and Control

PC37.249
Guide for Categorizing Security Needs for Protection, Automation, and Control Related Data Files
Recommendation: Approve modified PAR until December 2021

4.2 Extension Requests

IEEE Aerospace and Electronic Systems Society/Gyro Accelerometer Panel
P1780
Standard for the Specification of Inertial Measurement Units (IMU)
Recommendation: Approve request for an extension until December 2022

IEEE Communications Society/Mobile Communication Networks Standards Committee

P1932.1
Standard for Licensed/Unlicensed Spectrum Interoperability in Wireless Mobile Networks
Recommendation: Approve request for an extension until December 2023

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

P2784
Guide for the Technology and Process Framework for Planning a Smart City
Recommendation: Approve request for an extension until December 2024

IEEE Computer Society/Cloud Computing Standards Committee

P2302
Standard for Intercloud Interoperability and Federation (SIIF)
Recommendation: Approve request for an extension until December 2022

IEEE Computer Society/LAN/MAN Standards Committee

P802.1ABcu
Standard for Local and Metropolitan Area Networks - Station and Media Access Control Connectivity Discovery Amendment: YANG Data Model
Recommendation: Approve request for an extension until December 2022

P802.1ACct
Standard for Local and Metropolitan Area Networks - Media Access Control (MAC) Service Definition Amendment Support for IEEE Std 802.15.3
Recommendation: Approve request for an extension until December 2022

IEEE Computer Society/Standards Activities Board

P3333.1.3
Standard for the Deep Learning-Based Assessment of Visual Experience Based on Human Factors
Recommendation: Approve request for an extension until December 2022

P7130
Standard for Quantum Technologies Definitions
Recommendation: Approve request for an extension until December 2023

IEEE Consumer Technology Society/Standards Committee

P3141
Trial-Use Standard for 3D Body Processing
Recommendation: Approve request for an extension until December 2024

IEEE Electromagnetic Compatibility Society/Standards Development Committee
P2717
Passive Intermodulation Test Methods for Wireless Systems in Low Noise Environments
Recommendation: Approve request for an extension until December 2023

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

P11073-10101b
Health informatics - Device Interoperability - Part 10101: Foundational - Nomenclature - Amendment 2: Additional definitions
Recommendation: Approve request for an extension until December 2022

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2650
Standard for Enabling Mobile Device Platforms to be Used as Pre-Screening Audiometric Systems
Recommendation: Approve request for an extension until December 2024

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

P21451-002
Recommended Practice for Low-Power Smart Transducers Applications
Recommendation: Approve request for an extension until December 2024

IEEE Instrumentation and Measurement Society/TC39 - Measurements in Power Systems

P61869-105
Recommended Practice for Uncertainty Evaluation in the Calibration of Instrument Transformers
Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Electric Machinery

P62.2
Guide for Diagnostic Field Testing of Electric Power Apparatus - Electrical Machinery
Recommendation: Approve request for an extension until December 2024

P97
Diagnostic Test Methods for Testing the Insulation of AC Electric Machinery Using Direct Voltage
Recommendation: Approve request for an extension until December 2024

P433
Recommended Practice for Insulation Testing of AC Electric Machinery with High Voltage Rating up to 30 kV at Very Low Frequency
Recommendation: Approve request for an extension until December 2022

P1553
Standard for Voltage Endurance Testing of Form-Wound Coils and Bars for Hydrogenerators
Recommendation: Approve request for an extension until December 2022
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
Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Energy Development & Power Generation

P63198-2775
Technical Guide for Smart Hydroelectric Power Plant
Recommendation: Approve request for an extension until December 2023

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

P1184
Guide for Batteries for Uninterruptible Power Supply Systems
Recommendation: Approve request for an extension until December 2022

P2685
Recommended Practice for Energy Storage for Stationary Engine-Starting Systems
Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Insulated Conductors

P400.3
Guide for Partial Discharge Field Diagnostic Testing of Shielded Power Cable Systems
Recommendation: Approve request for an extension until December 2022

P634
Standard for Cable-Penetration Fire Stop Qualification Test
Recommendation: Approve request for an extension until December 2023

P1614
Field-Testing of Shielded Power Cable Systems Rated 5 kV and Above with Continuous Alternating Voltage
Recommendation: Approve request for an extension until December 2023

P1617
Guide for Assessment, Mitigation, and Control of Corrosion of Metallic Shields in Extruded Dielectric Cables rated 5 kV to 46 kV
Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P1595
Standard for Testing and Performance for Optical Phase Conductor (OPPC) for Use on Electrical Utility Power Lines
Recommendation: Approve request for an extension until December 2022

P1711.1
Recommendation: Approve request for an extension until December 2023
IEEE Power and Energy Society/Power System Relaying and Control

C37.235
Guide for the Application of Rogowski Coils Used for Protective Relaying Purposes
Recommendation: Approve request for an extension until December 2022

P1646
Standard Communication Delivery Time Performance Requirements for Electric Power Substation Automation
Recommendation: Approve request for an extension until December 2023

PC37.90.2
Recommendation: Approve request for an extension until December 2023

PC37.110
Guide for the Application of Current Transformers Used for Protective Relaying Purposes
Recommendation: Approve request for an extension until December 2023

PC37.249
Guide for Categorizing Security Needs for Protection and Automation Related Data Files
Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Substations

P80
Guide for Safety in AC Substation Grounding
Recommendation: Approve request for an extension until December 2023

P81
Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Grounding System
Recommendation: Approve request for an extension until December 2023

P980
Guide for Containment and Control of Oil Spills in Substations
Recommendation: Approve request for an extension until December 2022

P1127
Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Surge Protective Devices/High Voltage

PC62.82.2
Guide for the Application of Insulation Coordination
Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Surge Protective Devices/Low Voltage

PC62.230
Guide for Surge Protection of Electric Vehicle Infrastructure
Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Transformers

P63253-5713-8
Standard Requirements for Station Service Voltage Transformers
Recommendation: Approve request for an extension until December 2023

PC57.12.80
Standard Terminology for Power and Distribution Transformers
Recommendation: Approve request for an extension until December 2023

PC57.13.2
Standard for Conformance Test Procedure for Instrument Transformers
Recommendation: Approve request for an extension until December 2023

PC57.124
Recommended Practice for the Detection of Partial Discharge and the Measurement of Apparent Charge in Dry-Type Transformers
Recommendation: Approve request for an extension until December 2023

PC57.150
Guide for the Transportation of Transformers and Reactors Rated 10,000 kVA or Higher
Recommendation: Approve request for an extension until December 2023

PC57.165
Guide for Temperature Measurements for Liquid Immersed Transformers and Reactors
Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Transmission and Distribution

P1368
Guide for Aeolian Vibration Field Measurements of Overhead Conductors
Recommendation: Approve request for an extension until December 2023

P1453
Standard for Measurement and Limits of Voltage Fluctuations and Associated Light Flicker on AC Power Systems
Recommendation: Approve request for an extension until December 2022

IEEE Robotics and Automation Society/Standing Committee for Standards

P7008
Standard for Ethically Driven Nudging for Robotic, Intelligent and Autonomous Systems
Recommendation: Approve request for an extension until December 2023

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

P7011
Standard for the Process of Identifying and Rating the Trustworthiness of News Sources
Recommendation: Approve request for an extension until December 2023
IEEE-SASB Coordinating Committees/SCC31 - Automatic Meter Reading and Energy Management

P1704
Standard for Utility Industry End Device Communications Module
Recommendation: Approve request for an extension until December 2022

IEEE-SASB Coordinating Committees/SCC39 - International Committee on Electromagnetic Safety

P63195-1
Measurement Procedure for the Assessment of Power Density of Human Exposure to Radio Frequency Fields from Wireless Devices Operating in Close Proximity to the Head and Body - Frequency Range of 6 GHz to 300 GHz
Recommendation: Approve request for an extension until December 2022

P63195-2
The Assessment of Power Density of Human Exposure to Radio Frequency Fields from Wireless Devices in Close Proximity to the Head and Body, Part 2: Computational procedure (frequency range of 6 GHz to 300 GHz)
Recommendation: Approve request for an extension until December 2022

4.3 New PARs

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P3117
Standard for Interworking Framework for Privacy-Preserving Computation
Recommendation: Approve new PAR until December 2025

IEEE Computer Society/LAN/MAN Standards Committee

P802.3df
Standard for Ethernet Amendment: Media Access Control Parameters, Physical Layers and Management Parameters for 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Operation
Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Software & Systems Engineering Standards Committee

P3131
Recommended Practice for Data Engineering with Heterogeneous Ecosystems and Data Sources for Efficient Data Processing, Management, and Consumption
Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Standards Activities Board

P2888.5
Standard for Virtual Training System Evaluation Methods
Recommendation: Approve new PAR until December 2025

P2888.6
Standard for Holographic Visualization for Interfacing Cyber and Physical Worlds
Recommendation: Approve new PAR until December 2025
P3079.3  
Standard for a Framework for Evaluating the Quality of Digital Humans  
Recommendation: Approve new PAR until December 2025

IEEE Engineering in Medicine and Biology Society/Standards Committee

P3135  
Standard for Specifying Requirements for Neurofeedback Systems Design  
Recommendation: Approve new PAR until December 2025

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

P3137  
Standard for Automotive Electronics Product Inspection Equipment  
Recommendation: Approve new PAR until December 2025

P3138  
Standard for General Requirements of Chip Visual Inspection in Surface Mount Industry  
Recommendation: Approve new PAR until December 2025

IEEE Microwave Theory and Techniques Society/Standards Coordinating Committee

P3136  
Standard for a Universal Waveguide Interface for Frequencies of 60 GHz and Above  
Recommendation: Approve new PAR until December 2025

IEEE Photonics Society/Standards Committee

P3112  
Standard for Electronic Photonic Design Automation – Open Data Formats – Terminology and Definitions  
Recommendation: Approve new PAR until December 2025

IEEE Power and Energy Society/Substations

PC37.431.40  
Standard for Functional Specifications of Medium (1 kV to 69 kV) Voltage Series and Shunt Electronic Devices for Dynamic Voltage Compensation  
Recommendation: Approve new PAR until December 2025

IEEE Power and Energy Society/Switchgear

PC37.04a  
Standard for Ratings and Requirements for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V  
Amendment: Changes to construction requirements and clarification of certain related required capabilities  
Recommendation: Approve new PAR until December 2025

PC37.09a  
Standard Test Procedures for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V  
Amendment: Modifications to test procedures  
Recommendation: Approve new PAR until December 2025
IEEE Power and Energy Society/Transmission and Distribution

P3139
Guide for Power Quality Data Analytics
Recommendation: Approve new PAR until December 2025

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

P7030
Recommended Practice for Ethical Assessment of Extended Reality (XR) Technologies
Recommendation: Approve new PAR until December 2025

4.4 PARs for the Revision of Standards

IEEE Computer Society/Design Automation

P1076
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Computer Society/LAN/MAN Standards Committee

P802.15.3
Standard for Wireless Multi-Media Networks
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P367
Recommended Practice for Determining the Electric Power Station Ground Potential Rise and Induced Voltage from a Power Fault
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Power System Relaying and Control

PC37.96
Guide for AC Motor Protection
Recommendation: Approve PAR for the revision of a standard until December 2025

PC37.232
Standard for Common Format for Naming Time Sequence Data Files (COMNAME)
Recommendation: Approve PAR for the revision of a standard until December 2025

PC37.243
Guide for Application of Line Current Differential Protection Using Digital Communications
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Switchgear

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
Recommendation: Approve PAR for the revision of a standard until December 2025 (11 approve, 0 disapprove, 1 abstain [Edwards])

PC37.20.10
Standard Definitions for AC (52 kV and below) and DC (3.2 kV and below) Switchgear Assemblies
Recommendation: Approve PAR for the revision of a standard until December 2025 (11 approve, 0 disapprove, 1 abstain [Edwards])

PC37.010
Application Guide for AC High-Voltage Circuit Breakers > 1000 Vac Rated on a Symmetrical Current Basis
Recommendation: Approve PAR for the revision of a standard until December 2025 (11 approve, 0 disapprove, 1 abstain [Edwards])

PC37.016
Standard for AC High Voltage Circuit Switchers Rated 15.5 kV through 245 kV
Recommendation: Approve PAR for the revision of a standard until December 2025 (11 approve, 0 disapprove, 1 abstain [Edwards])

5 OLD BUSINESS

5.1 Committee Member Interactions/Comments Re: myProject

Adam Newman provided a myProject update on behalf of the myProject team, which was well received. Several NesCom members, in addition to Chair Stanley thanked Adam and the myProject team for their efforts. Adam gave credit to the myProject team and to NesCom.

There were some requests discussed that will be brought to the myProject team, including:

- The ability to review the original PARs that were submitted before they were potentially edited through the NesCom review process.
- The ability for sharing NesCom submissions within Standards Committees or Societies when potential Co-Standards Committees are being considered.

AI: Staff will bring these topics to the myProject team.

Note: The topic of the ability to review the original submitted PARs was discussed during a subsequent myProject team meeting, and a potential solution was discussed to include a submitted PARs file with the agenda zip file, so it is accessible for NesCom members, if needed. This topic was discussed previously, and the current solution is that the submitted PARs file is sent by the NesCom Administrator.

Note: This is a standing agenda item and if anyone has any feedback about their user experience with myProject, please let Lisa Weisser know.

6 NEW BUSINESS

There was no new business.

7 DATE OF NEXT MEETING

The next meeting of NesCom will take place on 07 February 2022 by teleconference.

8 ADJOURNMENT
Chair Stanley reminded the NesCom members that the 2021 NesCom will conduct the reviews for the February 2022 NesCom meeting. She wished everyone a happy holiday season, and thanked the NesCom members for their review and discussion of the PARs. She also thanked staff, and especially Lisa Weisser for her work behind the scenes. Chair Stanley thanked the Standards Committee and Working Group representatives and wished them luck as they begin their work developing the standards. There being no further business, the meeting was adjourned at 10:04 a.m. ET (UTC-5).