

IEEE SA Standards Board New Standards Committee (NesCom)

Meeting Minutes

25 October 2022

10:00 a.m. - 11:30 a.m. ET (UTC-4)

Teleconference

Members Present:

Xiaofeng (Alfred) Chen

Doug Edwards

Guido Hiertz

Wei Hong

Yousef Kimiagar

Howard Li

Johnny Lin

Daleep Mohla

Annette Reilly

Dorothy Stanley, Chair

Lei Wang

Karl Weber

Sha Wei, Vice Chair

Don Wright

Daidi Zhong

Members Absent:

Ramy A. Fathy, Vice Chair

Gui Liu

Mehmet Ulema

Guests:

Jean-Philippe Faure

David Law

Xiaohui Liu

Kevin Lu

Ralf Ma

Claire Topp [legal counsel]

Yu Yuan

Francisc Zavoda

IEEE Staff:

Christy Bahn

Kim Breitfelder

Matt Ceglia

Karen Evangelista

Jonathan Goldberg

Jodi Haasz

Yvette Ho Sang
Ron Hotchkiss
Konstantinos Karachalios
Soo Kim
Michael Kipness
Vanessa Lalitte
Jijia Liu
Karen McCabe
Erin Morales
Christian Orlando
Maria Palombini
Shana Pepin
Dave Ringle
Pat Roder
Jennifer Santulli
Tom Thompson
Lisa Weisser, Administrator
Malia Zaman
Meng Zhao

[Unless otherwise noted, all votes are unanimous]

1 CALL TO ORDER AND INTRODUCTIONS

Chair Stanley welcomed everyone and called the meeting to order at 10:00 a.m. ET (UTC-4). 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 no changes.

A motion was made to approve the 25 October 2022 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 Consumer Technology Society/Blockchain Standards Committee

P2144.2

Standard for Functional Requirements in Blockchain-based Internet of Things (IoT) Data Management

Recommendation: Approve PAR withdrawal

P2144.3

Standard for Assessment of Blockchain-based Internet of Things (IoT) Data Management

Recommendation: Approve PAR withdrawal

IEEE Consumer Technology Society/Emerging Technology Standards Committee

P2843

Standard for Measuring Accessibility Experience and Compliance

Recommendation: Approve PAR withdrawal

P2896

Standard for Open Data: Open Data Ontology

Recommendation: Approve PAR withdrawal

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

P11073-10427-2016/Cor 1

Health informatics -- Device Interoperability -- Part 10427: Personal Health Device Communication -- Device specialization--Power Status Monitor of Personal Health Devices - Corrigendum 1

Recommendation: Approve PAR withdrawal

2.1.2 Standards Committee Transfer Request for One Standard from BOG/CAG to VT/CBTC&SIG

Note: The approval of this Standards Committee change request was included in the approval of the agenda and consent agenda and the following standard has been moved from BOG/CAG to VT/CBTC&SIG:

2839 'Recommended Practice for Vital Computer for Rail Safety-related Application'

3 PARS FOR DISCUSSION

3.1 Modified PARs

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

P1588d

Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems Amendment: GDOI (Group Domain of Interpretation) Key Management

Recommendation: Approve modified PAR

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

PN42.63

Standard for Unmanned Aerial Radiation Measurement Systems (UARaMS)

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P2658

Guide for Cybersecurity Testing in Electric Power Systems

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Transformers

PC57.12.28

Standard for Pad-Mounted Equipment--Enclosure Integrity

Recommendation: Approve modified PAR

PC57.12.29

Standard for Pad-Mounted Equipment--Enclosure Integrity for Coastal Environments

Recommendation: Approve modified PAR

IEEE SA Board of Governors/Corporate Advisory Group

P3301

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI)
Technical Specification Artificial Intelligence Framework (AIF) Version 1.1

Recommendation: Approve modified PAR

3.2 Extension Requests

IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee

P1900.2

Recommended Practice for the Analysis of In-Band and Adjacent Band Interference and Coexistence Between Radio Systems

Recommendation: Approve request for an extension until December 2024

IEEE Communications Society/Mobile Communication Networks Standards Committee

P1918.1

Tactile Internet: Application Scenarios, Definitions and Terminology, Architecture, Functions, and Technical Assumptions

Recommendation: Approve request for an extension until December 2024

P1918.1.1

Haptic Codecs for the Tactile Internet

Recommendation: Approve request for an extension until December 2024

P1931.1

Standard for an Architectural Framework for Real-time Onsite Operations Facilitation (ROOF) for the Internet of Things

Recommendation: Approve request for an extension until December 2024 (10 approve, 2 disapprove, 2 abstain)

P2061

Architecture for Low Mobility Energy Efficient Network for Affordable Broadband Access

Recommendation: Approve request for an extension until December 2024

IEEE Communications Society/Power Line Communications

P2030.5

Standard for Smart Energy Profile Protocol

Recommendation: Approve request for an extension until December 2023

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

P11073-10406

Health Informatics -- Device Interoperability -- Part 10406: Personal Health Device Communication -- Device Specialization--Basic Electrocardiograph (ECG) (1- to 3-lead ECG)

Recommendation: Approve request for an extension until December 2025 (13 approve, 0 disapprove, 0 abstain, 1 recuse [Zhong])

P11073-10417

Health Informatics -- Device Interoperability -- Part 10417: Personal Health Device Communication -- Device Specialization - Glucose Meter

Recommendation: Approve request for an extension until December 2025 (13 approve, 0 disapprove, 0 abstain, 1 recuse [Zhong])

P11073-10419

Health Informatics -- Device Interoperability -- Part 10419: Personal Health Device Communication -- Device Specialization - Insulin Pump

Recommendation: Approve request for an extension until December 2025 (13 approve, 0 disapprove, 0 abstain, 1 recuse [Zhong])

P11073-10425

Health Informatics -- Device Interoperability -- Part 10425: Personal Health Device Communication -- Device Specialization -- Continuous Glucose Monitor (CGM)

Recommendation: Approve request for an extension until December 2025 (13 approve, 0 disapprove, 0 abstain, 1 recuse [Zhong])

P11073-10426

Health Informatics -- Device Interoperability -- Part 10426: Personal Health Device Communication -- Device Specialization - Home Healthcare Environment Ventilator

Recommendation: Approve request for an extension until December 2024 (13 approve, 0 disapprove, 0 abstain, 1 recuse [Zhong])

P11073-10442

Health Informatics -- Device Interoperability -- Part 10442: Personal Health Device Communication -- Device Specialization - Strength Fitness Equipment

Recommendation: Approve request for an extension until December 2025 (13 approve, 0 disapprove, 0 abstain, 1 recuse [Zhong])

P11073-10471

Health Informatics -- Device Interoperability -- Part 10471: Personal Health Device Communication -- Device Specialization--Independent Living Activity Hub

Recommendation: Approve request for an extension until December 2025 (13 approve, 0 disapprove, 0 abstain, 1 recuse [Zhong])

IEEE Engineering in Medicine and Biology Society/Standards Committee**P2725.1**

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

Recommendation: Approve request for an extension until December 2024

IEEE Industry Applications Society/Industrial & Commercial Power Systems Standards Development Committee**P3006.1**

Recommended Practice for Reliability Planning and Design of Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Electric Machinery**P522**

Guide for Testing Turn Insulation of Form-Wound Stator Coils for Alternating-Current Electric Machines

Recommendation: Approve request for an extension until December 2024

P1553

Standard for Voltage Endurance Testing of Form-Wound Coils and Bars for Hydrogenerators

Recommendation: Approve request for an extension until December 2023

P1665

Guide for the Rewind of Synchronous Generators, 50 Hz and 60 Hz, Rated 1 MVA and Above

Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Energy Development & Power Generation

P421.5

Recommended Practice for Excitation System Models for Power System Stability Studies

Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P1591.1

Standard for Testing and Performance of Hardware for Optical Ground Wire (OPGW)

Recommendation: Approve request for an extension until December 2023

P2658

Guide for Cybersecurity Testing in Electric Power Systems

Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Power System Instrumentation and Measurements

P2681

Guide for Testing Medium Voltage Smart Grid Sensor and Intelligent Electronic Device Systems

Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Power System Relaying and Control

PC37.251

Standard for Common Protection and Control Settings or Configuration Data Format (COMSET)

Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Substations

PC37.122.8

Guide for the Application of Mobile Gas-Insulated Substations Rated Above 52kV

Recommendation: Approve request for an extension until December 2025

IEEE Power and Energy Society/Transformers

PC57.100

Standard Test Procedure for the Thermal Evaluation of Insulation Systems for Liquid-Immersed Distribution, Power and Regulating Transformers

Recommendation: Approve request for an extension until December 2023

PC57.149

Guide for the Application and Interpretation of Frequency Response Analysis for Oil-Immersed Transformers

Recommendation: Approve request for an extension until December 2024

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P2752

Guide for Multi-Point Grounding System of Trains in Electrified Railway

Recommendation: Approve request for an extension until December 2024

IEEE-SASB Coordinating Committees/SCC21 - Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage**P1547.2**

Application Guide for IEEE Std 1547(TM), IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems

Recommendation: Approve request for an extension until December 2023

3.3 New PARs**IEEE Communications Society/Power Line Communications****P2897**

Standard for Flexible Optical Service Unit (OSUFlex) of Passive Optical Network (PON) in Power Systems

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Artificial Intelligence Standards Committee**P3198**

Standard for Evaluation Method of Machine Learning Fairness

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Blockchain and Distributed Ledgers**P3228**

Standard for the Recurring Transactions Using Distributed Ledger Technologies (DLTs)

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Cloud Computing Standards Committee**P2303**

Standard for Adaptive Management of Cloud Computing Environments

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Microprocessor Standards Committee**P1722.1-2021/Cor 1**

Standard for Device Discovery, Connection Management, and Control Protocol for Time-Sensitive Networking System - Corrigendum 1 Technical and Editorial Corrections

Recommendation: Approve new PAR until December 2026

IEEE Consumer Technology Society/Metaverse Standards Committee**P2048**

Standard for Metaverse: Terminology, Definitions, and Taxonomy

Recommendation: Approve new PAR until December 2026

IEEE Consumer Technology Society/Smart Devices Standards Committee**P3322**

Guide for Comfort Requirements for Extended Reality (XR) Devices

Recommendation: Approve new PAR until December 2026

P3323

Standard for Requirements and Evaluation Methods for Voice Interaction Capabilities of Smart Home Devices

Recommendation: Approve new PAR until December 2026

IEEE Power and Energy Society/Transmission and Distribution

P3196

Guide for Composite External Insulation Technology in Distribution Network (36 kV and below)

Recommendation: Approve new PAR until December 2026

IEEE Reliability Society/IEEE Reliability

P1856.1

Recommended Practice for Prognostics and Health Management Systems

Recommendation: Approve new PAR until December 2026

IEEE Signal Processing Society/Synthetic Aperture Standards Committee

P3199

Recommended Practice for Assessing Errors in Synthetic Aperture Sonar Due to Position Uncertainty

Recommendation: Approve new PAR until December 2026

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

P7016

Standard for Ethically Aligned Design and Operation of Metaverse Systems

Recommendation: Approve new PAR until December 2026

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P2846a

Standard for Assumptions in Safety-Related Models for Automated Driving Systems Amendment: Additional scenarios and road users

Recommendation: Approve new PAR until December 2026

P3321

Recommended Practice for the Application of Assumptions on Reasonably Foreseeable Behavior of Other Road Users

Recommendation: Approve new PAR until December 2026

3.4 PARs for the Revision of Standards

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1566

Standard for Performance of Adjustable-Speed AC Drives Rated 375 kW and Larger

Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Nanotechnology Council/Standards Committee

P62659

Standard for Nanomanufacturing -- Large Scale Manufacturing for Nanoelectronics
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Power and Energy Society/Energy Development & Power Generation

P1827

Guide for Electrical and Control Design of Hydroelectric Water Conveyance Facilities
Recommendation: Approve PAR for the revision of a standard until December 2026

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

P1115

Recommended Practice for Sizing Nickel-Cadmium Batteries for Stationary Applications
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Power and Energy Society/Insulated Conductors

P1793

Guide for Planning and Designing Transition Facilities between Overhead and Underground Transmission Lines
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Power and Energy Society/Power System Relaying and Control

PC57.13.3

Guide for Grounding of Instrument Transformer Secondary Circuits and Cases
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Power and Energy Society/Surge Protective Devices Committee

PC62.92.3

Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part III - Generator Auxiliary Systems
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Power and Energy Society/Transmission and Distribution

P1159

Recommended Practice for Monitoring Electric Power Quality
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Reliability Society/IEEE Reliability

P1633

Recommended Practice for Software Reliability
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Vehicular Technology Society/Overhead Contact Systems

P1630

Standard for Supporting Structures for Overhead Contact Systems for Transit System
Recommendation: Approve PAR for the revision of a standard until December 2026

5 OLD BUSINESS

There was no old business.

6 NEW BUSINESS

Daleep Mohla brought up the topic of NesCom reviewers requesting submitters to change all references in the PAR from 'standard' to 'recommended practice' or 'guide' to be consistent with the type of document listed on the PAR. He pointed out that there is not necessarily a need to do that because collectively all standard types are referred to as standards. He also pointed out the reference in section 1.2 of the *IEEE-SA Standards Board Operations Manual* where this is explained.

7 DATE OF NEXT MEETING

The next meeting of NesCom is scheduled to occur on 02 December 2022 in Piscataway, NJ, USA and by teleconference.

8 ADJOURNMENT

Chair Stanley thanked everyone. There being no further business, the meeting was adjourned at 11:02 a.m. ET (UTC-4).