

IEEE SA Standards Board New Standards Committee (NesCom)

Meeting Minutes

15 June 2022

8:30 a.m. - 12:00 p.m. ET (UTC-4)

Toronto, Canada and 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

Mehmet Ulema

Lei Wang

Karl Weber

Sha Wei, Vice Chair

Don Wright

Members Absent:

Ramy A. Fathy, Vice Chair

Gui Liu

Daidi Zhong

Guests:

Jonathan Attia

Edward Au

Wenting Chang

Cheng-Jen (Allen) Chen

Hui Ding

Latonia Gordon

Gary Hoffman

Victor Huang

Tyler Jaynes

Thomas Koshy

John Kulick

David Law

Xiaohui Liu

Kevin Lu

LinKai Ma

Jim Matthews

Ludovic Perret
Chris Renner
Robby Robson
Jon Rosdahl
Zhuyu Shi
Mark Siira
Nassima Snedj
Claire Topp [legal counsel]
Zuno Verghese
Tingting Wen
Yu Yuan
Laredj Zerrouki
Lihua Zhao

IEEE Staff:

Christy Bahn
Adrien Bastos
Jesse Benjamin
Kim Breitfelder
Matt Ceglia
Sri Chandrasekaran
Ravindra Desai
Karen Evangelista
Jonathan Goldberg
Jodi Haasz
Yvette Ho Sang
Ron Hotchkiss
Konstantinos Karachalios
Soo Kim
Michael Kipness
Irene Kitsara
Vanessa Lalitte
Jiajia Liu
Kelly Lorne
Gregory Marchini
Erin Morales
Karen Mulberry
Mary Lynne Nielsen
Elizabeth Okutuga
Christian Orlando
Maria Palombini
Moirra Patterson
Dave Ringle
Jennifer Santulli
Anasthasie Sainvilus
Rudi Schubert
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 8:30 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. It was noted that there was an addition of a myProject update.

A motion was made (Wright) and seconded (Mohla) to approve the 15 June 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 Computer Society/Cybersecurity and Privacy Standards Committee

P2799

Standard for Confirming and Conveying Identity Over the Internet

Recommendation: Approve PAR withdrawal

2.1.2 Standards Committee Transfer Request for IEEE Std 2657-2021 from VT/RTSC to VT/TPSSC

Note: The approval of this Standards Committee change request was included in the approval of the agenda and consent agenda and IEEE Std 2657-2021 has been moved from VT/RTSC to VT/TPSSC.

2.1.3 Standards Committee Transfer Request for P1482.1 from VT/RTSC to VT/ITS

Note: The approval of this Standards Committee change request was included in the approval of the agenda and consent agenda and P1482.1 has been moved from VT/RTSC to VT/ITS.

3 APPROVAL OF MINUTES FROM THE 23 MARCH 2022 NESCOM MEETING

A motion was made (Hiertz) and seconded (Kimiagar) to approve the minutes of the 23 March 2022 NesCom meeting. In the absence of objection, the motion was approved.

4 PARS FOR DISCUSSION

4.1 Modified PARs

IEEE Power and Energy Society/Insulated Conductors

P2789

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

Recommendation: Approve modified PAR

IEEE Reliability Society/IEEE Reliability**P3106**

Standard for Telecommunication System Reliability Indices

Recommendation: Approve modified PAR

4.3 Extension Requests**IEEE Computer Society/Learning Technology****P9274.1.1**

JavaScript Object Notation (JSON) Data Model Format and Representational State Transfer (RESTful) Web Service for Learner Experience Data Tracking and Access

Recommendation: Approve request for an extension until December 2023

IEEE Computer Society/Standards Activities Board**P1599**

Recommended Practice for the Definition of a Multilayer Representation of Music Using eXtensible Markup Language (XML)

Recommendation: Approve request for an extension until December 2024

P2796

Standard for Framework for the Internet of Food (IoF)

Recommendation: Approve request for an extension until December 2024

P2796.1

Standard for Data Requirements for Internet of Food (IoF) Systems

Recommendation: Approve request for an extension until December 2024

P2796.2

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

Recommendation: Approve request for an extension until December 2024

IEEE Computer Society/Test Technology**P1687.2**

Standard for Describing Analog Test Access and Control

Recommendation: Approve request for an extension until December 2024

P2427

Standard for Analog Defect Modeling and Coverage

Recommendation: Approve request for an extension until December 2023

IEEE Engineering in Medicine and Biology Society/Standards Committee**P2795**

Standard for Shared Analytics Across Secure and Unsecured Networks

Recommendation: Approve request for an extension until December 2025

IEEE Power and Energy Society/Insulated Conductors**P2789**

Guide for the Selection and Application of Cables Used in Transit Infrastructure

Recommendation: Approve request for an extension until December 2025

IEEE Power and Energy Society/Power System Communications and Cybersecurity**P1815**

Standard for Electric Power Systems Communications-Distributed Network Protocol (DNP3)

Recommendation: Approve request for an extension until December 2025

PC37.118.2

Standard for Synchrophasor Data Transfer for Power Systems

Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Transformers**PC57.168**

Guide for Low Frequency Dielectric Testing for Distribution, Power and Regulating Transformers

Recommendation: Approve request for an extension until December 2023

4.3 New PARs**IEEE Communications Society/Access and Core Networks Standards Committee****P1942.1**

Standard for Massive Multiple Input Multiple Output (MIMO) Architectural Framework

Recommendation: Approve new PAR until December 2026

IEEE Communications Society/Virtualized and Software Defined Networks, and Services Standards Committee**P1943**

Standard for Post-Quantum Network Security

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Artificial Intelligence Standards Committee**P3181**

Standard for Trusted Environment Based Cryptographic Computing

Recommendation: Approve new PAR until December 2026

P3187

Guide for Framework for Trustworthy Federated Machine Learning

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Blockchain and Distributed Ledgers**P3224**

Standard for Blockchain-based Green Power Identification Application

Recommendation: Approve new PAR until December 2026

P3225

Standard for Using Blockchain in Low Carbon Zones Evaluation

Recommendation: Approve new PAR until December 2026 (13 approve, 0 disapprove, 1 abstain [Hiertz])

P3226

Standard for Trusted Data Circulation based on Blockchain and Distributed Ledger Technologies (DLT)

Recommendation: Approve new PAR until December 2026 (5 approve, 4 disapprove, 5 abstain [Kimiagar])

IEEE Computer Society/Data Compression Standards Committee

P2941.2

Standard for Application Programming Interface (API) of Deep Learning Inference Engine

Recommendation: Approve new PAR until December 2026

P3184

Standard for Data Framework for Autonomous Driving

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Design Automation

P3164

Standard for Security Annotation for Electronic Design Integration

Recommendation: Approve new PAR until December 2026 (13 approve, 0 disapprove, 1 abstain [Hiertz])

IEEE Computer Society/Smart Manufacturing Standards Committee

P3179

Recommended Practice for Digital Mine Construction

Recommendation: Approve new PAR until December 2026

P3180

Guide for Mould Management Based on Internet of Things and Cloud Computing

Recommendation: Approve new PAR until December 2026

IEEE Engineering in Medicine and Biology Society/Standards Committee

P3173

Standard for Endocrine Disrupting Chemical Hazard Labelling

Recommendation: Approve new PAR until December 2026

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

P2805.4

Standard for Edge Collaboration Protocols for Federated Learning

Recommendation: Approve new PAR until December 2026

P3178

Standard for General Requirements and Protocols for Software-defined Physical Layer of Wireless Backscatter Networks

Recommendation: Approve new PAR until December 2026

IEEE Photonics Society/Standards Committee

P3186

Standard for a Port Interface Representing Photonic Signals Using Simulation Program with Integrated Circuit Emphasis (SPICE)-class Circuit Simulators

Recommendation: Approve new PAR until December 2026

IEEE Robotics and Automation Society/Standing Committee for Standards

P3177

Standard for a Modular Framework for a Robotically Assisted Surgical System

Recommendation: Approve new PAR until December 2026

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

P3143

Standard for Electrical Transmission System for Short Stator Magnetic Levitation Vehicle

Recommendation: Approve new PAR until December 2026

IEEE Vehicular Technology Society/Traction Power Systems Standards Committee

P3175

Guide for Stray Current Corrosion Mitigation for Direct Current (DC) Rail Transit Systems

Recommendation: Approve new PAR until December 2026

3.4 PARs for the Revision of Standards

IEEE Computer Society/Standards Activities Board

P1680.2

Standard for Environmental Assessment of Imaging Equipment

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

P1680.3

Standard for Environmental Assessment of Televisions

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

IEEE Computer Society/Test Technology

P1149.1

Standard for Test Access Port and Boundary-Scan Architecture

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

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

P3004.1

Recommended Practice for the Application of Instrument Transformers in Industrial and Commercial Power Systems

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

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P1692

Guide for the Protection of Communication Installations from Lightning Effects

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

PC93.4

Standard for Power Line Carrier Line-Tuning Equipment (30 kHz to 500 kHz) Associated with Power Transmission Lines

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

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

PC62.92.6

Guide for Application of Neutral Grounding in Electrical Utility Systems, Part VI--Systems Supplied by Current- Regulated Sources

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

IEEE Power and Energy Society/Transformers

PC57.12.59

Guide for Dry-Type Transformer Through-Fault Current Duration

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

PC57.135

Guide for the Application, Specification, and Testing of Phase-Shifting Transformers

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

PC57.138

Recommended Practice for Routine Impulse Tests for Distribution Transformers

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

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P1482.1

Standard for Rail Transit Vehicle Event Recorders

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

5 OLD BUSINESS

Greg Marchini provided a myProject update, highlighting accomplishments from recent releases. Full release notes can be found on the [IEEE SA Support Portal](#). He also introduced the IEEE SA Tools Status Portal, which is now live, and can be found here: <https://standards-tools-status.ieee.org/>. Greg also mentioned that the enhanced Governance features and functionality will likely be introduced during fall 2022.

6 NEW BUSINESS

There was no new business.

7 DATE OF NEXT MEETING

The next meeting of NesCom will be held on 19 September 2022 by teleconference.

8 ADJOURNMENT

Chair Stanley thanked everyone. There being no further business, the meeting was adjourned at 10:27 a.m. ET (UTC-4).