

IEEE SA Standards Board New Standards Committee (NesCom)

Meeting Minutes

23 March 2022

9:30 a.m. - 12:00 p.m. ET (UTC-4)

Teleconference

Members Present:

Xiaofeng (Alfred) Chen

Doug Edwards

Ramy A. Fathy, Vice Chair

Guido Hiertz

Wei Hong

Yousef Kimiagar

Howard Li

Johnny Lin

Gui Liu

Daleep Mohla

Annette Reilly

Dorothy Stanley, Chair

Mehmet Ulema

Lei Wang

Karl Weber

Sha Wei, Vice Chair

Don Wright

Daidi Zhong

Members Absent:

None

Guests:

Michael Atlass

Latonia Gordon

Gary Hoffman

David Law

Xiaohui Liu

Kevin Lu

Kesang Namgay

Paul Nikolich

Glenn Parsons

Donald Robertson

Mark Siira

Claire Topp [legal counsel]

John Wnuk

Tian Wu

Yu Yuan
Luyi Zhao

IEEE Staff:

Christy Bahn
Adrien Bastos
Kim Breitfelder
Matt Ceglia
Karen Evangelista
Jonathan Goldberg
Jodi Haasz
Yvette Ho Sang
Soo Kim
Michael Kipness
Vanessa Lalitte
Jijia Liu
Kelly Lorne
Greg Marchini
Erin Morales
Ashley Moran
Christian Orlando
Dave Ringle
Pat Roder
Jennifer Santulli
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 9:30 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. There were none.

A motion was made (Hong) and seconded (Mohla) to approve the 23 March 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

There were no withdrawal requests.

2.1.2 Request For Title Harmonization with ISO for EMB/11073 PARs

Note: The approval of the request to harmonize two EMB/11073 PAR titles with ISO was included in the approval of the agenda and consent agenda. The titles have been updated as follows:

P11073-10101c (EMB/11073)

Current Title: 'Standard for Health informatics – Point-of-care medical device communication - Part 10101: Nomenclature Amendment 3: Additional definitions'

New Title: 'Health informatics – Device interoperability – Part 10101: Point-of-Care Medical Device Communication – Nomenclature Amendment 3: Additional definitions'

P11073-10103 (EMB/11073)

Current Title: 'Health Informatics - Point-of-care Medical Device Communication Part 10103:

Nomenclature - Implantable Device, Cardiac'

New Title: 'Health informatics – Device interoperability – Part 10103: Point-of-Care Medical Device Communication – Nomenclature - Implantable Device, Cardiac'

2.1.3 Project Number Change Request for P3003.5 'Recommended Practice for Connections to Earth for Alternating Current (AC) Industrial and Commercial Power Systems Facilities'

Note: The approval of this number change request was included in the approval of the agenda and consent agenda. The PAR number has been changed from P3003.5 to P3003.4.

3 APPROVAL OF MINUTES FROM THE 07 FEBRUARY 2022 NESCOM MEETING

A motion was made (Kimiagar) and seconded (Lin) to approve the minutes of the 07 February 2022 NesCom meeting. In the absence of objection, the motion was approved.

4 PARS FOR DISCUSSION

4.1 Modified PARs

IEEE Computer Society/Standards Activities Board

P3333.1.4

Recommended Practice for the Quality Assessment of Light Field Imaging

Recommendation: Approve modified PAR

IEEE Power & Energy Society/Switchgear

PC37.012

Guide for the Application of Capacitive Current Switching for AC High-Voltage Circuit Breakers Above 1000 V

Recommendation: Approve modified PAR

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

P1547.9

Guide to Using IEEE Standard 1547 for Interconnection of Energy Storage Distributed Energy Resources with Electric Power Systems

Recommendation: Approve modified PAR

4.2 Extension Requests

IEEE Geoscience and Remote Sensing Society/Standards Committee

P4001

Standard for Characterization and Calibration of Ultraviolet through Shortwave Infrared (250 nm to 2500 nm) Hyperspectral Imaging Devices

Recommendation: Approve request for an extension until December 2023

4.3 New PARs

IEEE Computer Society/Artificial Intelligence Standards Committee

P3157

Recommended Practice for Vulnerability Test for Machine Learning Models for Computer Vision Applications

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Blockchain and Distributed Ledgers

P3222

Standard for the Reference Architecture of Blockchain as a Service

Recommendation: Approve new PAR until December 2026

P3223

Standard for the Reference Architecture of Blockchain Fusion Server

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Data Compression Standards Committee

P3161

Standard for Digital Retina Systems

Recommendation: Approve new PAR until December 2026 (16 approve, 0 disapprove, 1 abstain [Hiertz])

IEEE Computer Society/LAN/MAN Standards Committee

P802.3dg

Standard for Ethernet

Amendment: Physical Layer Specifications and Management Parameters for 100 Mb/s Operation and Associated Power Delivery over a Single Balanced Pair of Conductors

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Standards Activities Board

P3158

Standard for Trusted Data Matrix System Architecture

Recommendation: Approve new PAR until December 2026 (16 approve, 0 disapprove, 1 abstain [Wei])

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

P2418.11

Framework for Use of Distributed Ledger Technology in Security of Electronic Voting (e-Voting) Systems

Recommendation: Approve new PAR until December 2026

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1349-2021/Cor 1

Guide for the Application of Electric Machines in Zone 2 and Class I, Division 2 Hazardous (Classified) Locations - Corrigendum 1

Recommendation: Approve new PAR until December 2026

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P2030.103

Standard for Universal Utility Data Exchange (UUDEX)

Recommendation: Approve new PAR until December 2026

IEEE Power and Energy Society/Switchgear

PC37.86

Guide for Internet of Things (IoT) Switchgear Terminals (52 kV and Below)

Recommendation: Approve new PAR until December 2026 (16 approve, 0 disapprove, 1 abstain [Edwards])

IEEE Power and Energy Society/Transformers

PC57.13.10

Guide for Calibration of Energized Current Transformers for 34.5 kV and Below

Recommendation: Approve new PAR until December 2026

IEEE SA Board of Governors/Corporate Advisory Group

P2899.1

Standard for Speech Recognition and Interaction System for Smart Home — Engineering Specifications for a Listening Room

Recommendation: Approve new PAR until December 2026

P2899.2

Standard for Speech Recognition and Interaction System for Smart Home — Safety Requirements for Speech Control

Recommendation: Approve new PAR until December 2026

P2899.3

Standard for Speech Recognition and Interaction System for Smart Home — Collection Requirements of Corpus and Noise for Laboratory-Level Testing

Recommendation: Approve new PAR until December 2026

P2977

Adoption of the MIPI A-PHY Specification Version 1.1

Recommendation: Approve new PAR until December 2026 (15 approve, 0 disapprove, 2 abstain [Wang, Liu])

P3300

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

Recommendation: Approve new PAR until December 2026

IEEE Signal Processing Society/Synthetic Aperture Standards Committee

P3162

Standard for Synthetic Aperture Channel Sounding Measurements

Recommendation: Approve new PAR until December 2026

IEEE-SASB Coordinating Committees/SCC31 - Automatic Meter Reading and Energy Management

P3159

Guide for Online Evaluation Method of Electricity Meter Operating Error Based on Power Consumption Data Collection and Access

Recommendation: Approve new PAR until December 2026

4.4 PARs for the Revision of Standards

IEEE Computational Intelligence Society/Standards Committee

P1849

Standard for eXtensible Event Stream (XES) for Achieving Interoperability in Event Logs and Event Streams

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

IEEE Computer Society/LAN/MAN Standards Committee

P802

Standard for Local and Metropolitan Area Networks: Overview and Architecture

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

IEEE Computer Society/Software & Systems Engineering Standards Committee

P24748-2

International Standard - Systems and Software Engineering - Life Cycle Management - Part 2: Guidelines for the application of ISO/IEC/IEEE 15288 (System life cycle processes)

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

IEEE Computer Society/Test Technology

P1687

Standard for Access and Control of Instrumentation Embedded within a Semiconductor Device

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

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1662

Recommended Practice for the Design and Application of Power Electronics in Electrical Power Systems

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

IEEE Power and Energy Society/Energy Development & Power Generation

P810

Standard for Hydraulic Turbine and Generator Shaft Couplings and Shaft Runout Tolerances

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

IEEE Power and Energy Society/Nuclear Power Engineering

P1205

Guide for Assessing, Monitoring, and Mitigating Aging Effects on Electrical Equipment Used in Nuclear Power Generating Stations and Other Nuclear Facilities

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

IEEE Power and Energy Society/Power System Relaying and Control

PC37.119

Guide for Power System Circuit Breaker Failure Protection

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

IEEE Power and Energy Society/Substations

P1402

Recommended Practice for Physical Security of Electric Power Substations

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

IEEE Power and Energy Society/Switchgear

PC37.24

Guide for Evaluating the Effect of Solar Radiation on Outdoor Switchgear

Recommendation: Approve PAR for the revision of a standard until December 2026 (15 approve, 0 disapprove, 1 abstain [Edwards])

IEEE Power and Energy Society/Transformers

PC57.13

Standard Requirements for Instrument Transformers

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

PC57.130

Guide for the Use of Dissolved Gas Analysis Applied to Factory Temperature Rise Tests for the Evaluation of Mineral Oil-Immersed Transformers and Reactors

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

PC57.139

Guide for the Interpretation of Gases Generated in Liquid-Type Load Tap Changers

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

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

P1547

Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power Systems Interfaces

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

5 OLD BUSINESS

5.1 Committee Member Interactions/Comments Re: myProject

Greg Marchini provided an update about relevant items for NesCom with upcoming releases for myProject, including the ability to page through submissions. Guido Hiertz thanked Greg and the myProject team for prioritizing this functionality.

Note: Committee member interactions re: myProject 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 is on 27 April 2022 by teleconference.

8 ADJOURNMENT

Chair Stanley noted that the efficiency of the meeting was due to all the work done during the review period. She thanked the NesCom members, with a special thanks to Vice Chair Fathy and Vice Chair Wei. Chair Stanley thanked staff, and especially Lisa Weisser for her work on the PARs and tracking progress. Chair Stanley thanked the Standards Committee and Working Group representatives and in anticipation of SASB approval, wished them success in their work developing the standards.

There being no further business, the meeting was adjourned at 10:30 a.m. ET (UTC-4).