

IEEE SA Standards Board New Standards Committee (NesCom)

Meeting Minutes

24 March 2021

9:00 a.m. - 11:30 a.m. ET (UTC-4)

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:

Dennis Brophy

Evelyn Chen

Jason Coder

Hadjan Doucouré

Keith Flowers

Latonia Gordon

Gary Hoffman

Taras Holoyad

John Kulick

Xiaohui Liu

Kevin Lu

Nara Luan

Xiaojie Ma

Keith Moore

Mohammed Misbahuddin

Paul Nikolich [part time]

Glenn Parsons

Nilo Pasquali

Robby Robson

Jessy Rouyer

Lyn Sun
Richard Tong
Claire Topp [legal counsel]
Constance Weise
Chao Yang [part time]

IEEE Staff:

Christy Bahn
Matt Ceglia
Karen Evangelista
Jonathan Goldberg
Lloyd Green
Yvette Ho Sang
Konstantinos Karachalios
Soo Kim
Michael Kipness
Vanessa Lalitte
Kristin Little
Jiajia Liu
Greg Marchini
Munir Mohammed
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 9:03 a.m. ET (UTC-4). There was a review of the meeting decorum, followed by 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. There were none.

A motion was made (Mohla) and seconded (Wei) to approve the 24 March 2021 NesCom meeting agenda, including all items on 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 Project Number Change Request for P1752 'Standard for Mobile Health Data'

NB: 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 P1752 to P1752.1.

2.1.3 Standards Committee Change for 3652.1 'Guide for Architectural Framework and Application of Federated Machine Learning', P2894 'Guide for an Architectural Framework for Explainable Artificial Intelligence', and P2961 'Guide for an Architectural Framework and Application for Collaborative Edge Computing' to Move from C/LT to C/AISC

NB: The approval of this Standards Committee change request was included in the approval of the agenda and consent agenda. The two PARs, P2894 and P2961, and one standard, 3652.1, have been moved from C/LT to C/AISC.

3 APPROVAL OF MINUTES FROM THE 02 DECEMBER 2020 NESCOM MEETING

A motion was made (Fathy) and seconded (Wang) to approve the minutes of the 02 December 2020 NesCom meeting. In the absence of objection, the motion was approved.

4 PARS FOR DISCUSSION

4.1 Modified PARs

IEEE Computer Society/Smart Manufacturing Standards Committee

P2975

Standard for Industrial Artificial Intelligence (AI) Data Attributes

Recommendation: Approve modified PAR

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1349

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

Recommendation: Approve modified PAR

IEEE Microwave Theory and Techniques Society/Standards Coordinating Committee

P1765

Recommended Practice for Estimating the Uncertainty in Error Vector Magnitude of Measured Digitally Modulated Signals for Wireless Communications

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Nuclear Power Engineering

P845

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

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Substations

P1264

Guide for Animal Mitigation for Electric Power Supply Substations

Recommendation: Approve modified PAR

4.2 Extension Requests

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

P1491

Recommended Practice for Battery Monitoring in Stationary Applications

Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P1686

Standard for Intelligent Electronic Devices Cyber Security Capabilities

Recommendation: Approve request for an extension until December 2022

PC37.118.2

Standard for Synchrophasor Data Transfer for Power Systems

Recommendation: Approve request for an extension until December 2022

PC37.240

Standard Cybersecurity Requirements for Power System Automation, Protection, and Control Systems

Recommendation: Approve request for an extension until December 2023

IEEE Power Electronics Society/Standards Committee

P2004

Hardware-in-the-Loop (HIL) Simulation Based Testing of Electric Power Apparatus and Controls

Recommendation: Approve request for an extension until December 2023

4.3 New PARs

IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee

P1900.8

Standard for Training, Testing, and Evaluating Machine-Learned Spectrum Awareness Models

Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Artificial Intelligence Standards Committee

P2986

Recommended Practice for Privacy and Security for Federated Machine Learning

Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Blockchain and Distributed Ledgers

P3217

Standard for Application Interface Specification for Blockchain Systems

Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P2989

Standard for Authentication in a Multi-Server Environment

Recommendation: Approve new PAR until December 2025 (6 approve, 0 disapprove, 4 abstain [Fathy, Hiertz, Hong, Wei])

IEEE Computer Society/Data Compression Standards Committee

P2941.1

Standard for Operator Interfaces of Artificial Intelligence

Recommendation: Approve new PAR until December 2025

IEEE Computer Society/LAN/MAN Standards Committee

P802.1ASdr

Standard for Local and Metropolitan Area Networks – Timing and Synchronization for Time-Sensitive Applications

Amendment: Inclusive Terminology

Recommendation: Approve new PAR until December 2025

P802.3dd

Standard for Ethernet

Amendment: Maintenance #17: Power over Data Lines of Single Pair Ethernet

Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Learning Technology

P9274.2.1

Standard for JavaScript Object Notation for Linked Data (JSON-LD) for Application Profiles of Learner Experience Data

Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Standards Activities Board

P2807.4

Guide for Scientific Knowledge Graphs

Recommendation: Approve new PAR until December 2025

IEEE Engineering in Medicine and Biology Society/Standards Committee

P1847.1

Recommended Practice for Location Accuracy User Acceptance Test for Location Services for Healthcare

Recommendation: Approve new PAR until December 2025

P4006

Standard for Remote Sensing Frequency Band Radio Frequency Interference (RFI) Impact Assessment

Recommendation: Approve new PAR until December 2025

IEEE Instrumentation and Measurement Society/TC45 - Radiation and Nuclear Instrumentation and Systems**PN42.22**

Standard for Traceability of Radioactive Sources to National Institute of Standards and Technology (NIST) and Associated Instrument Quality Control

Recommendation: Approve new PAR until December 2025

PN42.23

Standard for Measurement and Associated Instrument Quality Assurance for Radioassay Laboratories

Recommendation: Approve new PAR until December 2025

PN42.43

Standard for Mobile Radiation Monitors for Homeland Security

Recommendation: Approve new PAR until December 2025

PN42.61

Standard for Radiation Data Format for Streaming in Real-Time Data from Radiation Detection Instruments to a Smartphone or Tablet

Recommendation: Approve new PAR until December 2025

PN42.62

Standard for Passive Radiation Imaging Systems

Recommendation: Approve new PAR until December 2025

PN42.63

Recommended Practice for Unmanned Aerial Radiation Measurement Systems (UARaMS)

Recommendation: Approve new PAR until December 2025

IEEE Power and Energy Society/Substations**PC37.430.10**

Standard Definitions for Flexible Alternating Current Transmission Systems (FACTS) and High Voltage Direct Current (HVDC) Stations

Recommendation: Approve new PAR until December 2025

IEEE Power Electronics Society/Standards Committee**P2988**

Recommended Practice for Use and Functions of Virtual Synchronous Machines

Recommendation: Approve new PAR until December 2025

4.4 PARs for the Revision of Standards**IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee****P1900.1**

Standard for Definitions and Concepts for Dynamic Spectrum Access: Terminology Relating to Emerging Wireless Networks, System Functionality, and Spectrum Management

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

IEEE Computer Society/Design Automation

P1685

Standard for IP-XACT, Standard Structure for Packaging, Integrating, and Reusing IP within Tool Flows

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

IEEE Engineering in Medicine and Biology Society/Standards Committee

P1847

Recommended Practice for Common Framework of Location Services for Healthcare

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

IEEE Power and Energy Society/Nuclear Power Engineering

P933

Guide for the Definition of Reliability Program Plans for Nuclear Generating Stations and Other Nuclear Facilities

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

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P61850-9-3

61850-9-3, Edition 2: Communication Networks and Systems for Power Utility Automation – Part 9-3: Precision Time Protocol Profile for Power Utility Automation

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

IEEE Power and Energy Society/Power System Relaying and Control

PC37.239

Standard for Common Format for Event Data Exchange (COMFEDE) for Power Systems

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

IEEE Power and Energy Society/Transmission and Distribution

P1808

Guide for Collecting and Managing Transmission Line Inspection and Maintenance Data

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

IEEE Power Electronics Society/Standards Committee

P61007-389

Standard for Transformers and Inductors for Use in Electronic and Telecommunication Equipment – Measuring Methods and Test Procedures

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

Chair Stanley acknowledged the work of the NesCom members and the PAR submitters. She also acknowledged Lisa Weisser for making all the edits on the PARs.

5 OLD BUSINESS**5.1 COMMITTEE MEMBER INTERACTIONS/COMMENTS RE: MYPROJECT**

There discussion about the ability for NesCom members to use Previous and Next buttons to move between PARs for the reviews was brought up again, and Greg Marchini explained that while this is on the list of updates

to the user interface, these updates have been delayed. He mentioned that two updates that should be available soon are the ability to page through submissions and the ability for NesCom members to filter through the submission summary to see their current votes on the PARs.

Annette Reilly asked if the SASB can have access on a quarterly basis to the coordination on how the myProject improvements relate to the new SMDC dealing with infrastructure.

Ramy Fathy asked if there is a way to store the original submitted PARs for a reference point for after the PARs are edited during the NesCom reviews. Lisa Weisser mentioned that there is a zip file with pdfs of all the original submitted PARs that can be downloaded before the review begins.

AI: Lisa Weisser will send the zip file with all the submitted PARs to NesCom at the start of each review cycle.

NB: 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

6.1 CO-STANDARDS COMMITTEE TOPIC – DOUG EDWARDS

Doug Edwards, together with Keith Flowers, presented about opportunities for improvement in processes for communication and collaboration among Co-Standards Committees for IEEE projects. The discussion included several aspects of the standards development lifecycle where Co-Standards Committees need to be informed and included in decisions. Solutions discussed during the meeting included:

- Enhancements to myProject.
- Potential updates to the IEEE SA Standards Board Operations Manual to add clarity to the process for Co-Standards Committees.
- Staff best practices documentation.

There was agreement that NesCom will support staff efforts already underway, and the topic will be reported on at the next NesCom meeting.

7 DATE OF NEXT MEETING

The next meeting of NesCom will take place on 04 May 2021 by teleconference.

8 ADJOURNMENT

Chair Stanley thanked the NesCom members for their work reviewing the PARs, and she thanked everyone for joining the meeting. There being no further business, the meeting was adjourned at 10:47 a.m. ET (UTC-4).