

IEEE SA Standards Board New Standards Committee (NesCom)

Meeting Minutes

27 October 2021

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

Teleconference

Members Present:

Doug Edwards

Ramy A. Fathy, Vice Chair

Guido Hiertz

Wei Hong

Annette Reilly

Dorothy Stanley, Chair

Mehmet Ulema

Lei Wang

Karl Weber

Sha Wei, Vice Chair

Don Wright

Daidi Zhong

Members Absent:

Daleep Mohla

Chenhui Niu

Guests:

Jonathan Attia

Howard Deiner

Jim Goodell

Beatrice Lema

Lisa Loud

Jinghui Lu [part time]

Kevin Lu

Nara Luan

Paul Nikolich

Robby Robson

Jon Rosdahl

Daniel Sabin

Richard Tong

Claire Topp [legal counsel]

IEEE Staff:

Christy Bahn

Adrien Barmaksiz

Kim Breitfelder

Matt Ceglia

Sri Chandrasekaran
Karen Evangelista
Jonathan Goldberg
Jodi Haasz
Yvette Ho Sang
Soo Kim
Michael Kipness
Jiajia Liu
Kelly Lorne
Erin Morales
Christian Orlando
Dan Perez
Pat Roder
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 9:01 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 encouraged everyone on the call to appreciate the broad range of topics on this (and every) NesCom agenda. She 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 27 October 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 Computer Society/Learning Technology

P1484.20.1

Standard for Learning Technology-Data Model for Reusable Competency Definitions

Recommendation: Approve PAR withdrawal

IEEE Computer Society/Software & Systems Engineering Standards Committee

P7006

Standard for Personal Data Artificial Intelligence (AI) Agent

Recommendation: Approve PAR withdrawal

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

P11073-10428

Health Informatics - Device Interoperability - Part 10428: Personal Health Device Communication - Device Specialization - Electronic Stethoscope

Recommendation: Approve PAR withdrawal

2.1.2 Standards Committee Change Request for P2851 to Move from C/DA TO C/FSSC

Note: The approval of this Standards Committee change request was included in the approval of the agenda and consent agenda. The PAR P2851 'Standard for Functional Safety Data Format for Interoperability within the Dependability Lifecycle' has been moved from C/DA to C/FSSC.

3 PARS FOR DISCUSSION

3.1 Modified PARs

IEEE Computer Society/Learning Technology

P1484.20.2

Recommended Practices for Defining Competencies

Recommendation: Approve modified PAR until December 2024

IEEE Power and Energy Society/Transmission and Distribution

P2030.10

Standard for DC Microgrids for Rural and Remote Electricity Access Applications

Recommendation: Approve modified PAR until December 2021

3.2 Extension Requests

IEEE Computer Society/Learning Technology

P7004

Standard for Child and Student Data Governance

Recommendation: Approve request for an extension until December 2023

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P1128

Recommended Practice for Radio-Frequency (RF) Absorber Evaluation in the Range of 30 MHz to 40 GHz

Recommendation: Approve request for an extension until December 2023

IEEE Engineering in Medicine and Biology Society/Standards Committee

P1708

Standard for Wearable Cuffless Blood Pressure Measuring Devices

Recommendation: Approve request for an extension until December 2024

IEEE Industry Applications Society/Petroleum & Chemical Industry

P2455

Recommended Practice for the Repair and Maintenance of Direct Current Electric Machines

Recommendation: Approve request for an extension until December 2023

P80005-3

Utility Connections in Port - Part 3: Low Voltage Shore Connection (LVSC) Systems - General Requirements

Recommendation: Approve request for an extension until December 2022

IEEE Instrumentation and Measurement Society/TC41 - Traffic Enforcement Technologies

P2452

Standard for the Performance of Lidar Used in Traffic Speed Measurements

Recommendation: Approve request for an extension until December 2023

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 request for an extension until December 2022

IEEE Power and Energy Society/Electric Machinery

P11

Standard for Rotating Electric Machinery for Rail and Road Vehicles

Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Energy Development & Power Generation

P1010

Guide for Control of Hydroelectric Power Plants

Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Insulated Conductors

P1210

Standard Tests for Determining Compatibility of Cable-Pulling Lubricants with Wire and Cable

Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Power System Relaying and Control

PC37.102

Guide for AC Generator Protection

Recommendation: Approve request for an extension until December 2022 (10 approve, 0 disapprove, 1 abstain)

PC37.233

Guide for Power System Protection Testing

Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Substations**P2656**

Guide for Functional Specification of Voltage-Sourced Converter for HVDC Stations

Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Switchgear**PC37.68**

Standard Design, Test, and Application Requirements for Microprocessor-Based Controls of Distribution Padmount, Dry Vault, Wet Vault, and Polemount Switchgear Rated Above 1 kV and up to and including 38 kV

Recommendation: Approve request for an extension until December 2023 (10 approve, 0 disapprove, 1 abstain)

PC37.301

Standard for High-Voltage Switchgear (Above 1000 V) Test Techniques - Partial Discharge Measurements

Recommendation: Approve request for an extension until December 2023 (9 approve, 0 disapprove, 2 abstain)

IEEE Power and Energy Society/Transmission and Distribution**P519**

Standard for Harmonic Control in Electric Power Systems

Recommendation: Approve request for an extension until December 2022

P1885

Guide for Assessing, Measuring and Verifying Volt-Var Control Optimization on Distribution Systems

Recommendation: Approve request for an extension until December 2022

IEEE Reliability Society/IEEE Reliability**P7009**

Standard for Fail-Safe Design of Autonomous and Semi-Autonomous Systems

Recommendation: Approve request for an extension until December 2023

IEEE Robotics and Automation Society/Standing Committee for Standards**P1872.1**

Robot Task Representation

Recommendation: Approve request for an extension until December 2023

Ramy Fathy noted that the information provided in section two did not provide sufficient rationale for the reason the extension was needed. This information was provided by the Program Manager at the NesCom meeting.

IEEE SA Board of Governors/Corporate Advisory Group**P2779**

Guide for Assessment of Geological Stability of Transmission Corridors

Recommendation: Approve request for an extension until December 2022

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

P7012

Standard for Machine Readable Personal Privacy Terms

Recommendation: Approve request for an extension until December 2023

3.3 New PARs

IEEE Computer Society/Artificial Intelligence Standards Committee

P3123

Standard for Artificial Intelligence and Machine Learning (AI/ML) Terminology and Data Formats

Recommendation: Approve new PAR until December 2025

P3127

Guide for an Architectural Framework for Blockchain-Based Federated Machine Learning

Recommendation: Approve new PAR until December 2025

P3128

Recommended Practice for the Evaluation of Artificial Intelligence (AI) Dialogue System Capabilities

Recommendation: Approve new PAR until December 2025

P3129

Standard for Robustness Testing and Evaluation of Artificial Intelligence (AI)-Based Image Recognition Service

Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Data Compression Standards Committee

P3122

Standard for Data Processing and Compression Framework for Internet of Things

Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Learning Technology

P1484.20.3

Standard Data Model for Sharable Competency Definitions

Recommendation: Approve new PAR until December 2025

P2807.6

Guide for K-12 Educational Knowledge Graphs

Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Microprocessor Standards Committee

P3120

Standard for Quantum Computing Architecture

Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Smart Manufacturing Standards Committee

P3121

Standard for Non-Intrusive State Monitoring Framework for Embedded Devices in Industrial Control Systems (ICSS)

Recommendation: Approve new PAR until December 2025

IEEE Power and Energy Society/Transmission and Distribution

P3132

Guide for Application of Spacers and Spacer Dampers on Bundled Conductors

Recommendation: Approve new PAR until December 2025

P3133

Guide for Direct Current (DC) Ice-Melting Technology of Overhead Transmission Lines

Recommendation: Approve new PAR until December 2025

P3134

Guide for Drawing Regional Icing Maps for Overhead Transmission Lines

Recommendation: Approve new PAR until December 2025

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

P7010.1

Recommended Practice for Environmental Social Governance (ESG) and Social Development Goal (SDG) Action Implementation and Advancing Corporate Social Responsibility

Recommendation: Approve new PAR until December 2025

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P3130

Standard for Security Requirements and Testing Methods of Operating Systems in Connected Vehicles

Recommendation: Approve new PAR until December 2025

3.4 PARs for the Revision of Standards

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2010

Recommended Practice for Neurofeedback Systems

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

IEEE Power and Energy Society/Analytic Methods for Power Systems

P1729

Recommended Practice for Electric Power Distribution System Analysis

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

IEEE Power and Energy Society/Transmission and Distribution

P1036

Guide for the Application of Shunt Power Capacitors

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

P1829

Guide for Conducting Corona Tests on Hardware for Overhead Transmission Lines and Substations

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

IEEE Vehicular Technology Society/Rail Transportation Standards Committee**P1628**

Recommended Practice for Maintenance of Direct Current (DC) Overhead Contact Systems for Transit Systems
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE-SASB Coordinating Committees/SCC31 - Automatic Meter Reading and Energy Management**P1377**

Standard for Utility Industry Metering Communication Protocol Application Layer (End Device Data Tables)
Recommendation: Approve PAR for the revision of a standard until December 2025

P1701

Standard for Optical Port Communication Protocol to Complement the Utility Industry End Device Data Tables
Recommendation: Approve PAR for the revision of a standard until December 2025

P1702

Standard for Telephone Modem Communication Protocol to Complement the Utility Industry End Device Data Tables
Recommendation: Approve PAR for the revision of a standard until December 2025

P1703

Standard for Local Area Network/Wide Area Network (LAN/WAN) Node Communication Protocol to Complement the Utility Industry End Device Data Tables
Recommendation: Approve PAR for the revision of a standard until December 2025 (10 approve, 0 disapprove, 1 abstain)

4 OLD BUSINESS**4.1 Committee Member Interactions/Comments Re: myProject**

Annette Reilly asked about how myProject issues are being identified and subsequently addressed. On behalf of the myProject team, Matt Ceglia mentioned that the team continues to work on enhancements and any trouble spots brought to their attention. He also mentioned that Lisa Weisser brings any issues discussed at NesCom to the myProject team.

There was a discussion about the NesCom review process, and whether there is still an Individual Review Period followed by an Open Review Period. Matt Ceglia reminded NesCom that there is no plan to eliminate the Individual Review Period. Chair Stanley mentioned that if anyone is interested in re-opening this topic back up in 2022, they can do that.

Don Wright noted that in the case where there are duplicate comments during the Individual Review Period, and the second comment is removed because it has already been addressed, there is no mechanism for the NesCom members to see why they voted the way they did. Lisa Weisser explained that the NesCom Administrator typically emails the NesCom member before deleting a comment.

Lei Wang asked for the status of the 'Next/Back' functionality for reviewing the PARs.

AI: Matt Ceglia will ask the myProject team about the status of the 'Next/Back' functionality.

Note: This functionality is scheduled to be available following Release 3.3 in early February 2022.

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

5 NEW BUSINESS

5.1 Working Group and NesCom Member Roles Regarding Terminology

Chair Stanley opened this discussion with a slide that showed the SASB Resolution from December 2020 about the use of inclusive terminology:

IEEE standards (including recommended practices and guides) shall be written in such a way as to unambiguously communicate the technical necessities, preferences, and options of the standard to best enable market adoption, conformity assessment, interoperability, and other technical aspirations of the developing standards committee. IEEE standards should be written in such a way as to avoid non-inclusive and insensitive terminology (see IEEE Policy 9.27) and other deprecated terminology (see clause 10 of the IEEE SA Style Manual) except when required by safety, legal, regulatory, and other similar considerations. Terms such as master/slave, blacklist, and whitelist should be avoided.

Chair Stanley additionally offered suggestions for NesCom Member and Working Group roles regarding terminology:

- The responsibility to evaluate a given standard's alignment with the SASB resolution on Terminology rests with the WG and the SASB.
- NesCom members might offer suggestions on a PAR or become involved in a WG; however it is not the role of NesCom to require changes to a PAR or to evaluate the safety, legal, regulatory or other considerations involved in terminology decisions.

There was discussion about the NesCom members being able to comment about these items as they come up on PARs, and it was agreed that NesCom members should not be constrained from making comments and suggestions, but it is not the role of NesCom to provide oversight to tell the Working Groups they cannot use certain terminology.

There was clarification that certain terminology is included in the *IEEE SA Standards Style Manual*, such as absolute language or the use of the word 'safe', and these are examples of wording that NesCom can request to be removed from a PAR.

Kim Breitfelder, Director, Content & Training + Development, noted that her team does change gender language in standards, but when it comes to technical language, they can query the Working Group, and they can make recommendations for other terms to be used, but they can't enforce a change.

There was additional discussion about how NesCom members can maintain their own interest and/or their country's requirements with regard to inclusive terminology. Claire Topp, IEEE outside legal counsel, reminded everyone that as NesCom members, while they may be influenced or informed by other organizations, they are acting in an individual capacity in the best interest of IEEE, which does not preclude consideration of the SASB resolution about inclusive terminology.

Chair Stanley thanked everyone for their comments.

6 DATE OF NEXT MEETING

The next meeting of NesCom will take place on 07 December 2021 by teleconference.

7 ADJOURNMENT

Chair Stanley thanked the NesCom members for their review and discussion of the PARs, and Lisa Weisser. She also thanked the Standards Committee and Working Group representatives. There being no further business, the meeting was adjourned at 11:02 a.m. ET (UTC-4).