IEEE SA Standards Board New Standards Committee (NesCom)
Meeting Minutes
29 March 2023
Time: 9:00 a.m. CST (UTC-6)
Location: Hybrid - Teleconference and Mexico City, Mexico

Members Present:
Sara Biyabani
Xiaofeng (Alfred) Chen
Doug Edwards
Ramy A. Fathy
Guido Hiertz, Vice Chair
Wei Hong
Howard Li
Johnny Lin, Vice Chair
Gui Liu
Daleep Mohla
Andrew Myles
Annette Reilly
Lei Wang, Chair

Members Absent:
Daidi Zhong

Guests:
Ted Burse
David Chen
Jean-Philippe Faure
Jim Goodell
Latonia Gordon
Gary Hoffman
Oliver Holland
Tyler Jaynes
Xiangjuan Jia
Thomas Koshy
John Kulick
David Law
Joseph Levy
Wei Li
Kevin Lu
Meng Lu
Hiroshi Mano
Andy Molisch
Paul Nikolich
Kishik Park

Glenn Parsons
Robby Robson
Mark Siira
Robby Simpson
Barry Tilton
Claire Topp [legal counsel]
Don Wright
Yu Yuan
Lu Zhang

IEEE Staff:
Christy Bahn
Adrian Bastos
Hermann Brand
Kim Breitfelder
Matthew Ceglia
Ravindra Desai
Karen Evangelista
Jonathan Goldberg
Jodi Haasz
Yvette Ho Sang
Ron Hotchkiss
Patrycja Jarosz
Konstantinos Karachalios
Soo Kim
Michael Kipness
Vanessa Lalitte
Jiajia Liu
Kelly Lorne
Karen McCabe
Suzanne Merten
Christian Orlando
Shana Pepin
Dave Ringle
Pat Roder
Jennifer Santulli
Rudi Schubert
Tom Thompson
Lisa Weisser, Administrator
Charmain Williams
Malia Zaman
Meng Zhao

[Unless otherwise noted, all votes are unanimous]

1 CALL TO ORDER AND INTRODUCTIONS

Chair Wang welcomed everyone and called the meeting to order at 9:04 a.m. CST (UTC-6). There was a round of introductions by all in attendance.

2 REVIEW AND APPROVAL OF THE AGENDA

The agenda was reviewed, and Chair Wang asked if there were any changes to be made to the agenda. There were three requested topics for the New Business section of the agenda. Chair Wang agreed to these requests, and the following topics were added to the agenda as:

6.1 Discussion about a potential update to myProject notifications for 'add-on' comments.
6.2 Discussion about the types of IEEE standards and their descriptions within PAR content.
6.3 Discussion about denoting IEEE/IEC on PARs.

A motion was made to approve the 29 March 2023 NesCom meeting agenda as amended. In the absence of objection, the motion was approved.

2.1 Consent Agenda

2.1.1 Withdrawal Requests

There were no withdrawal requests.

3 Approval of Minutes from the 02 December 2022 NesCom Meeting

A motion was made to approve the minutes of the 02 December 2022 NesCom meeting. In the absence of objection, the motion was approved.

4 PARS FOR DISCUSSION

4.1 Modified PARs

IEEE Communications Society/Power Line Communications

P2030.5
Standard for Smart Energy Profile Protocol
Recommendation: Approve modified PAR

IEEE Power and Energy Society/Smart Buildings, Loads and Customer Systems

P2418.5
Guide for Blockchain in Power and Energy Systems
Recommendation: Approve modified PAR

IEEE Power and Energy Society/Substations

P81
Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Grounding System
Recommendation: Approve modified PAR

PC37.122.10
Guide for Handling Non-Sulphur Hexafluoride (SF6) Gases for High-Voltage Equipment Rated above 1000 Vac
Recommendation: Approve modified PAR

IEEE Power and Energy Society/Surge Protective Devices Committee

PC62.21
Guide for the Application of Surge Voltage Protective Equipment on AC Rotating Machinery 1000 Volts and Greater
Recommendation: Approve modified PAR

4.2 Extension Requests

IEEE Power and Energy Society/Transformers

PC57.12.40
Standard for Network, Three-Phase Transformers, 2500 kVA and Smaller; High Voltage, 34 500 V and Below; Low Voltage, 600 V and Below; Subway and Vault Types (Liquid Immersed)
Recommendation: Approve request for an extension until December 2025

IEEE Power and Energy Society/Transmission and Distribution

P1227
Guide for the Measurement of DC Electric-Field Strength and Ion Related Quantities
Recommendation: Approve request for an extension until December 2024

P2844
Recommended Practice for Limiting Voltage Imbalance in Electric Power Systems
Recommendation: Approve request for an extension until December 2025

IEEE SA Board of Governors/Corporate Advisory Group

P2413.1
Standard for a Reference Architecture for Smart City (RASC)
Recommendation: Approve request for an extension until December 2024

4.3 New PARs

IEEE Communications Society/Mobile Communication Networks Standards Committee

P1944
Standard for Channel Models of Wireless Systems
Recommendation: Defer new PAR until the next NesCom meeting to provide time for the submitter to work with NesCom commenters to clarify the gaps noted on the PAR and the use of the term 'existing' in the scope (5 approve, 3 disapprove, 3 abstain)

IEEE Computer Society/Artificial Intelligence Standards Committee

P3342
Standard for Functional Requirements of Toolchain for Artificial Intelligence Model Deployment on Edge Devices
Recommendation: Approve new PAR until December 2027

P3350
Recommended Practice for Improving Generalizability of Artificial Intelligence for Medical Imaging
Recommendation: Approve new PAR until December 2027

P3354
Trial-Use Recommended Practice for 3D Object Reconstruction from Multi-view Images Based on Deep Learning

Recommendation: Approve new PAR until December 2027

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P3361
Standard for Evaluation Method of Robustness of Digital Watermarking Implementation in Digital Contents
Recommendation: Approve new PAR until December 2027

IEEE Computer Society/Software & Systems Engineering Standards Committee

P26516
Systems and software engineering — Design and development of instructional videos and animations
Recommendation: Approve new PAR until December 2027

P26517
Systems and software engineering — Development of user assistance in mobile applications
Recommendation: Approve new PAR until December 2027

IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee

P3811
Standard for Security Service Specifications for DLT–based Supply Chain Finance
Recommendation: Approve new PAR until December 2027 (6 approve, 2 disapprove, 1 abstain, 1 recuse)

P3817
Standard for Natural Gas Market Knowledge Graphs
Recommendation: Approve new PAR until December 2027

P3818
Standard for Technical Requirements of Blockchain-based Data Management for Medical Service
Recommendation: Approve new PAR until December 2027

IEEE Instrumentation and Measurement Society/TC41 - Traffic Enforcement Technologies

P3360
Standard for the Performance of On-Site Oral Fluid Drug Screening Devices
Recommendation: Approve new PAR until December 2027 (8 approve, 1 disapprove, 1 abstain)

IEEE Power and Energy Society/Switchgear

P62271-37-013-2021/Cor 1
International Standard for High-voltage Switchgear and Controlgear--Part 37-013: Alternating current generator circuit-breakers - Corrigendum 1
Recommendation: Approve new PAR until December 2027

IEEE Power and Energy Society/Transformers

PC57.132
Guide for Vibration Testing of Oil-immersed High-voltage Direct Current (HVDC) Converter Transformer (±160 kV dc to ±1100 kV dc)
Recommendation: Approve new PAR until December 2027

IEEE Power and Energy Society/Transmission and Distribution

P3353
Guide for Staged Fault Test of Alternating Current/Direct Current (AC/DC) Transmission Lines
Recommendation: Approve new PAR until December 2027

IEEE SA Board of Governors/Corporate Advisory Group

P3358
Standard for Technical Requirements for Low-code Application Platform (LCAP)
Recommendation: Approve new PAR until December 2027

P8000
Standard for Characterization and Specification of Ethical Properties in Autonomous Intelligent Systems (AIS)
Recommendation: Approve new PAR until December 2027

IEEE Signal Processing Society/Synthetic Aperture Standards Committee

P3355
Standard for Deriving Synthetic Aperture Radar Resolution Capabilities
Recommendation: Approve new PAR until December 2027

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

P7016.1
Standard for Ethically Aligned Educational Metadata in Extended Reality (XR) & Metaverse
Recommendation: Approve new PAR until December 2027

P7802
Standard for Measurement and Verification of Reduction of Greenhouse Gases for Climate Action Projects and Solutions
Recommendation: Approve new PAR until December 2027

IEEE Vehicular Technology Society/Automated Vehicles Standards Committee

P3359
Trial-Use Guide for Testing Methods for Proton Exchange Membrane Fuel Cell Systems in Automotive Applications Using Compressed Hydrogen as Fuel
Recommendation: Approve new PAR until December 2027

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

P3351
Standard for Levitation System of Electromagnetic Suspension type of Magnetic Levitation Vehicle
Recommendation: Approve new PAR until December 2027

P3352
Standard for Test Specification of Short Stator Maglev Train
Recommendation: Approve new PAR until December 2027

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.2.2
Standard Wireless Access in Vehicular Environments (WAVE) - Multi-Jurisdictional Interoperability Using Security Credentials Originating in Disparate Policy Domains
Recommendation: Approve new PAR until December 2027

IEEE Vehicular Technology Society/Overhead Contact Systems

P3357
Recommended Practice for Grounding Overhead Contact System (OCS) Poles and Supports on Light Rail Transit Systems
Recommendation: Approve new PAR until December 2027

4.4 PARs for the Revision of Standards

IEEE Computer Society/LAN/MAN Standards Committee

P802.3.1
Standard for Ethernet Structure of Management Information version 2 (SMIv2) Data Model Definitions
Recommendation: Approve PAR for the revision of a standard until December 2027

P802.3.2
Standard for Ethernet - YANG Data Model Definitions
Recommendation: Approve PAR for the revision of a standard until December 2027

IEEE Power and Energy Society/Insulated Conductors

P1844
Standard Test Procedure for Determining Circuit Integrity Performance of Fire Resistive Cables in Nuclear Facilities
Recommendation: Approve PAR for the revision of a standard until December 2027

Following the discussions about the PARs on the agenda, Chair Wang thanked the Working Group Chairs and the NesCom members for the good discussions, and she thanked Lisa Weisser for her tireless efforts.

5 OLD BUSINESS

There was no old business.

6 NEW BUSINESS

6.1 Discussion about a potential update to myProject notifications for 'add-on' comments

Doug Edwards described an issue that NesCom members who add on comments to other members' original comments do not receive a notification in myProject to alert them to additional activity. He asked if there is a way to program the system to allow NesCom members to 'follow' a PAR dialog. There was general agreement that this would be helpful, but this needs to only be active during the Open Review period.

Note: Staff brought this up to the myProject team, and the team is going to investigate an effective way to do this.

6.2 Discussion about the types of IEEE standards and their descriptions within PAR content

Daleep Mohla brought up the topic about consistency with text about PAR types within the PARs and in NesCom comments during reviews. In accordance with section 1.2 of the IEEE SASB Operations Manual, IEEE standards are classified as standards, guides, or recommended practices, but the terminology used in descriptive text on the PARs referring to the document to be developed is not always consistent with the type of document that is stated on the PAR. Terms are used interchangeably, which can be confusing because each type of document has

different criteria. There was also a question about whether the generic term 'document' can be used on the PARs. The discussion concluded with the potential for an addition to the NesCom Conventions to improve the clarity of PARs by making sure the terminology used in the PAR referring to the document to be developed is consistent with Section 1.2 'Type of Document' on the PAR, i.e., standard, recommended practice, or guide.

6.4 Discussion about denoting IEEE/IEC on PARs

Sara Biyabani brought up the topic of treatment of different styles on the PARs when joint development is planned. This topic also included a discussion about the use of the word 'document' to describe the standard, which is used in some other SDOs. The question was raised about whether there should be a reference on the PAR in section 8.1 about which organization's style guidelines would be used in the development process. There was clarification that this is determined by the agreement with the other organization in the joint development process, and it is not necessarily something to include on the PAR. There will be further discussion to determine if any updates to the NesCom Conventions are needed.

7 DATE OF NEXT MEETING

The next meeting of NesCom is scheduled to occur on 15 May by teleconference. Given potential schedule conflicts, a Doodle poll will be sent to NesCom members to confirm the date.

8 ADJOURNMENT

Chair Wang thanked the NesCom members again for all their work. She also reminded the members of the need for timely comments, and responses to note whether comments have been addressed, along with updates to preliminary votes, if applicable. Chair Wang also thanked the Vice Chairs for preparing the bucket motions. Guido Hiertz noted that Chair Wang did a great job, especially with some of the challenges that came up during some of the PAR discussions.

There being no further business, the meeting was adjourned at 11:43 a.m. CST (UTC-6).