

**IEEE SA Standards Board New Standards Committee (NesCom)**

**Meeting Minutes**

26 January 2021

9:00 a.m. - 12:00 p.m. ET (UTC-5)

Teleconference

Members Present:

Ramy A. Fathy

Guido Hiertz

John Kulick

Haiying Lu

Chenhui Niu

Dorothy Stanley, Chair

Lei Wang

Philip Winston

Daidi Zhong

Members Absent:

Ted Burse

Dong Liu

Riccardo Mariani

Sha Wei

Guests:

Bob Aiello

Wenting Chang

Jie Chen

Doug Edwards

Latonia Gordon

Gary Hoffman

Wei Hong

Xiaohui Liu

Kevin Lu

Xiaoquan Lu

Daleep Mohla

Glenn Parsons

Annette Reilly

Richard Tong

Karl Weber

Don Wright

Minrui Xu

Yu Yuan

Jinyu Zhu

IEEE Staff:

Christy Bahn  
Matt Ceglia  
Karen Evangelista  
Josh Gay  
Jodi Haasz  
Yvette Ho Sang  
Konstantinos Karachalios  
Soo Kim  
Michael Kipness  
Vanessa Lalitte  
Kristin Little  
Jiajia Liu  
Kelly Lorne  
Greg Marchini  
Erin Morales  
Ashley Moran  
Christian Orlando  
Dave Ringle  
Pat Roder  
Jennifer Santulli  
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-5). 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. There were none.

**A motion was made (Hiertz) and seconded (Wang) to approve the 26 January 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**

**IEEE Vehicular Technology Society/Intelligent Transportation Systems**

**P1609.11**

Standard for Wireless Access in Vehicular Environments (WAVE) - Over-the-Air Electronic Payment Data Exchange Protocol for Intelligent Transportation Systems (ITS)

**Recommendation: Approve PAR withdrawal**

IEEE-SASB Coordinating Committees/SCC39 - International Committee on Electromagnetic Safety

**P62704-1a**

IEC/IEEE International Standard for Determining the Peak Spatial Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz - 6 GHz. Part 1: General Requirements for Using the Finite Difference Time Domain (FDTD) Method for SAR Calculations

Amendment 1: Extension of the SAR Spatial Averaging Algorithm for Equivalence to the Procedure Defined in the IEEE 1528 and IEC 62209-1 Standards

**Recommendation: Approve PAR withdrawal**

**2.1.2. Standards Committee Change for P2950, 'Electric Traction System for High Speed Electric Multiple Units (EMUs)' and P2956, 'Test Method for Surface Transfer Impedance of Shielded Power Cables and Connectors for Rail Vehicles' to Move from BOG/CAG to VT/HSTMSC**

*NB: The approval of this Standards Committee change request was included in the approval of the agenda and consent agenda. The two PARs, P2950 and P2956 have been moved from BOG/CAG to VT/HSTMSC.*

**3 APPROVAL OF MINUTES FROM THE 21 SEPTEMBER 2020 MEETING**

**A motion was made (Hiertz) and seconded (Winston) to approve the minutes of the 21 September 2020 NesCom meeting. In the absence of objection, the motion was approved.**

**4 PARS FOR DISCUSSION**

**4.1 Modified PARs**

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

**P11073-20601a**

Health Informatics - Personal Health Device Communication - Part 20601: Application Profile - Optimized Exchange Protocol Amendment

**Recommendation: Approve modified PAR (7 approve, 0 disapprove, 1 recuse [Zhong])**

IEEE Industry Applications Society/Petroleum & Chemical Industry

**P1017.1**

Recommended Practice for Testing Electric Submersible Pump Cable

**Recommendation: Approve modified PAR**

**P1017.2**

Recommended Practice for Specifying Electric Submersible Pump Cable - Ethylene-Propylene Rubber Insulation

**Recommendation: Approve modified PAR**

**P1017.3**

Recommended Practice for Specifying Electric Submersible Pump Cable - Polypropylene Insulation

**Recommendation: Approve modified PAR**

IEEE Power and Energy Society/Switchgear

**PC37.20.3**

Standard for Metal-Enclosed Interrupter Switchgear Rated above 1 kV ac up to and including 48.3 kV ac

**Recommendation: Approve modified PAR**

**PC37.301**

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

**Recommendation: Approve modified PAR**

IEEE Power and Energy Society/Transformers

**PC57.162**

Guide for the Interpretation of Moisture Related Parameters in Liquid Immersed Transformers and Reactors

**Recommendation: Approve modified PAR (7 approve, 0 disapprove, 1 abstain [Winston])**

**4.2 Extension Requests**

IEEE Power and Energy Society/Power System Relaying and Control

**PC37.108**

Guide for the Protection of Secondary Network Systems

**Recommendation: Approve request for an extension until December 2021**

**4.3 New PARs**

IEEE Communications Society/Access and Core Networks Standards Committee

**P1936.2**

Photogrammetric Technical Standard of Civil Light and Small Unmanned Aircraft Systems for Overhead Transmission Line Engineering

**Recommendation: Approve new PAR with the additional text in the Scope discussed during the NesCom meeting until December 2025 (5 approve, 2 disapprove [Kulick, Winston], 0 abstain)**

IEEE Computational Intelligence Society/Standards Committee

**P2976**

Standard for XAI - eXplainable Artificial Intelligence - for Achieving Clarity and Interoperability of AI Systems Design

**Recommendation: Approve new PAR until December 2025**

**P2983**

Standard for Video Games Vocabulary

**Recommendation: Approve new PAR until December 2025**

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

**P2978**

Standard for Quantum Risk Management for the Board of Directors

**Recommendation: Defer new PAR to the next NesCom meeting due to lack of response to NesCom comments.**

IEEE Computer Society/LAN/MAN Standards Committee

**P802.1AS-2020/Cor 1**

Standard for Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications - Corrigendum 1: Technical and Editorial Corrections

**Recommendation: Approve new PAR until December 2025**

Chair Stanley turned the Chair over to Lei Wang for the discussion of the next two PARs.

**P802.11bh**

Standard for Information Technology - Telecommunications and Information Exchange between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications

Amendment: Operation with Randomized and Changing MAC Addresses

**Recommendation: Approve new PAR until December 2025**

**P802.11bi**

Standard for Information Technology - Telecommunications and Information Exchange between Systems - Local and Metropolitan Area Networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications

Amendment: Enhanced Service with Data Privacy Protection

**Recommendation: Approve new PAR until December 2025**

Lei Wang returned the Chair back to Chair Stanley.

**IEEE Computer Society/Learning Technology****P2955**

Recommended Practice for Creating Self Learning Tutorials and Side by Side Learning

**Recommendation: Approve new PAR until December 2025**

**IEEE Computer Society/Smart Manufacturing Standards Committee****P2972**

Standard for General Requirements of Gateway Supporting Time Sensitive Networking in Factory Environments

**Recommendation: Defer new PAR until the next NesCom meeting to allow time for continued coordination with IEEE 802.**

**IEEE Computer Society/Software & Systems Engineering Standards Committee****P24748-9**

Systems and Software Engineering – Part 9: Application of System and Software Life Cycle Processes in Epidemic Prevention and Control Systems

**Recommendation: Approve new PAR until December 2025**

**IEEE Consumer Technology Society/Blockchain Standards Committee****P2147.1**

Standard for Requirements of Integrated Consortium Chain Station

**Recommendation: Approve new PAR until December 2025 (6 approve, 0 disapprove, 1 abstain, [Hiertz])**

**IEEE Consumer Technology Society/Smart Devices Standards Committee**

**P2979**

Standard for Edge Intelligent Terminal for Expressway Cooperative Transportation

**Recommendation: Approve new PAR until December 2025**

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

**P11073-10429**

Health Informatics - Device Interoperability - Part 10429: Personal Health Device Communication - Device Specialization - Spirometry

**Recommendation: Approve new PAR until December 2025 (6 approve, 0 disapprove, 1 recuse [Zhong])**

IEEE Engineering in Medicine and Biology Society/Standards Committee

**P2968.1**

Trial Use Recommended Practice for Decentralized Clinical Trials Patient Safety

**Recommendation: Approve new PAR until December 2025**

**P2968.2**

Trial Use Recommended Practice for Decentralized Clinical Trials Threat Modeling, Cybersecurity, and Data Privacy

**Recommendation: Approve new PAR until December 2025**

IEEE Industry Applications Society/Petroleum & Chemical Industry

**P2969**

Guide for Continuous Thermal Monitoring of Switchgear and Motor Control Centers up to 52 kV

**Recommendation: Approve new PAR until December 2025**

**P61886.3**

Subsea Equipment – Part 3: Subsea Motors

**Recommendation: Approve new PAR until December 2025**

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

**P2688**

Recommended Practice for Energy Storage Management Systems in Energy Storage Applications

**Recommendation: Approve new PAR until December 2025**

IEEE Power and Energy Society/Power System Communications and Cybersecurity

**P2030.100.2**

Guide for Securing Generic Object Oriented System Events (GOOSE) and Sampled Values (SV) Protocols of IEC 61850 Using IEC 62351-6 and IEC 62351-9

**Recommendation: Approve new PAR until December 2025**

IEEE Power and Energy Society/Power System Instrumentation and Measurements

**P2985**

Guide for Technology of Alternating Current Standard Signal Sources with Digital Output

**Recommendation: Approve new PAR until December 2025**

IEEE Power and Energy Society/Transformers

**PC57.12.210**

Recommended Practice for On-Load Capacity Switching Distribution Transformers

**Recommendation: Approve new PAR until December 2025**

**PC57.136**

Guide for Audible Sound of Liquid-Immersed Power Transformers

**Recommendation: Approve new PAR until December 2025**

IEEE Power and Energy Society/Transmission and Distribution

**P2981**

Guide for Converter Station Fittings of Ultra-High Voltage (above or equal to 800 kV) Direct Current Power Transmission Projects

**Recommendation: Approve new PAR until December 2025**

**P2984**

Guide for Application of Direct Current (DC) Network Topology Protection in DC Distribution Grids

**Recommendation: Approve new PAR until December 2025**

IEEE SA Board of Governors/Corporate Advisory Group

**P2977**

Adoption of MIPI Alliance Specification for A-PHY Interface (A-PHY) Version 1.0

**Recommendation: Approve new PAR until December 2025**

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

**P2965**

Railway Applications - Electromagnetic Compatibility Train and Complete Vehicle Immunity Test

**Recommendation: Approve new PAR until December 2025 (6 approve, 0 disapprove, 1 abstain)**

IEEE Vehicular Technology Society/Intelligent Transportation Systems

**P2982**

Millimeter-Wave Channel Sounder Verification

**Recommendation: Approve new PAR until December 2025**

**4.4 PARs for the Revision of Standards**

IEEE Computational Intelligence Society/Standards Committee

**P1855**

Standard for Fuzzy Markup Language

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

IEEE Computer Society/LAN/MAN Standards Committee

**P802.1BA**

Standard for Local and Metropolitan Area Networks - Audio Video Bridging (AVB) Systems

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

Chair Stanley turned the Chair over to Lei Wang for the discussion of the next PAR.

**P802.11**

Standard for Information Technology - Telecommunications and Information Exchange between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 11: Wireless Local Area Network (LAN) Medium Access Control (MAC) and Physical Layer (PHY) Specifications

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

Lei Wang returned the Chair back to Chair Stanley.

IEEE Computer Society/Software & Systems Engineering Standards Committee

**P828**

Standard for Configuration Management in Systems and Software Engineering

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

**P982.1**

Standard for Measures of the Software Aspects of Dependability

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

IEEE Instrumentation and Measurement Society/TC10 - Waveform Generation Measurement and Analysis

**P181**

Standard for Transitions, Pulses, and Related Waveforms

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

During the review of this PAR, there was a discussion about the number of people expected to be actively involved in the development of the project shown on a PAR and whether or not that can be an indication of interest level in a project.

**AI: Vanessa Lalitte will provide an update on the status of the Call for Participation.**

**P1696**

Standard for Terminology and Test Methods for Circuit Probes

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

IEEE Power and Energy Society/Nuclear Power Engineering

**P1786**

Guide for Human Factors Applications of Computerized Operating Procedure Systems (COPS) at Nuclear Power Generating Stations and Other Nuclear Facilities

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

IEEE Power and Energy Society/Transformers

**PC57.96**

Guide for Loading Dry-Type Distribution and Power Transformers

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

IEEE-SASB Coordinating Committees/SCC39 - International Committee on Electromagnetic Safety



**P62704-4**

IEC/IEEE International Standard - Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communication Devices, 30 MHz to 6 GHz – Part 4: General Requirements for Using the Finite Element Method for SAR Calculations

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

**5. OLD BUSINESS****5.1. DISCUSSION - RECOMMENDATION FROM AD HOC ON REVIEW PERIOD COMMENT TIMEFRAMES**

Chair Stanley reminded everyone that this was a continuation of the discussion that took place at the December NesCom meeting. There were two recommendations brought to NesCom following the discussions that were initiated by the ad hoc on review period comment timeframes. The first recommendation about timing for comments to be posted by NesCom members and replied to by Standards Committee/Working Group Chairs has been incorporated in the NesCom Conventions.

The second recommendation was about combining the Individual Review period with the Open Review period into a single review period. Following a discussion about the possible advantages and disadvantages to this approach, there was a decision to not pursue it further at this time.

**5.2. ADDITION TO PAR EXTENSION REQUEST FORM**

This topic of whether there should be a section added to the PAR extension request form where the current draft would need to be uploaded was originally brought up to NesCom in 2020. NesCom held a discussion about it by email, but due to lack of time at the September and December 2020 NesCom meetings, the topic carried forward to this meeting. While there was general agreement that there should be a better way for NesCom and staff to get an accurate measure of the maturity of the draft, there were mixed responses about whether this would be the best way to do that without the technical expertise in all subject areas. One suggestion was to develop a checklist or guidelines to help the Working Groups be more consistent with the percentage measurement they provide. Staff will continue to look for approaches to help determine draft maturity in order to help the Working Groups.

**5.3. INFORMATION ITEM ON OSCOM**

This topic of whether PAR submitters should include information on the PAR about plans for incorporating Open Source in the standard was also brought up to NesCom in 2020. There was also a NesCom email discussion about this topic, but due to lack of time at the September and December 2020 NesCom meetings, the topic carried forward to this meeting. Chair Stanley noted that there is no requirement for information about Open Source to be included on the PAR, and that OSCom runs on a parallel track to make decisions about which projects are approved for the platform. It was agreed that the information can be useful to know for a more complete view of the project, but NesCom should not include this in its consideration of the recommendation for the PAR. Chair Stanley suggested that while approval consideration about Open Source will be left to OSCom, she will work with the NesCom Administrator to look for a way to let NesCom know for each NesCom agenda which PARs plan to incorporate Open Source in the standards.

**5.4. EXTENDED/EARLY REVIEW PERIOD**

Guido Hertz proposed that it would be good to enable NesCom members to review PARs as they get submitted, before the scheduled review period. This would not preclude the submittal deadline, but it would give NesCom members more time to conduct reviews when there are a lot of PARs on an agenda. This would require updates to myProject, and will not be further considered at this time.

#### **5.5. REVISION/EXTENSION PAR MODIFICATIONS**

This topic was not discussed at this meeting.

#### **5.6. MYPROJECT UPDATE**

This topic was discussed briefly in relation to agenda item 5.7.

#### **5.7. COMMITTEE MEMBER INTERACTIONS/COMMENTS RE: MYPROJECT**

There was a brief discussion about the ability for NesCom members to use Previous and Next buttons to move between PARs for the reviews. Greg Marchini explained that this is already on the list of updates to the user interface, and it will be incorporated with other planned user interface enhancements.

*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**

There was no new business.

#### **7 DATE OF NEXT MEETING**

The next meeting of NesCom will take place on 24 March 2021 by teleconference.

#### **8 ADJOURNMENT**

Chair Stanley thanked the 2020 NesCom members for all of their hard work, and she thanked Lisa Weisser for all she has done. She also welcomed the 2021 NesCom members. There being no further business, the meeting was adjourned at 12:00 p.m. ET (UTC-5).