

NesCom Meeting Minutes

22 March 2017

**IEEE-SA Standards Board New Standards Committee (NesCom)
Meeting Minutes**

22 March 2017

9:00 a.m. – 1:00 p.m.

Westin Shenzhen Nanshan Hotel, Shenzhen, PRC

Members Present:

Stephen Dukes, Chair
Thomas Koshy
Glenn Parsons
Dorothy Stanley
Mehmet Ulema
Jingyi Zhou

Dina Kallay
Hung Ling
Annette Reilly
Claire Topp
Song Yang
Wei Yu

Members Absent:

Ted Burse
Daleep Mohla
Damir Novosel
Phil Winston

Staff:

Jonathan Goldberg
Yvette Ho Sang
Rudi Schubert
Lisa Weisser, Administrator

Guests:

Chuck Adams
Jean-Philippe Faure
Luo Feng
Michael Janezic

*Members of RevCom and additional staff and volunteers joined the meeting at 9:45 a.m. for the discussion of agenda item 4.3.13.

[Unless otherwise noted, all votes are unanimous]**1 CALL TO ORDER**

Chair Dukes called the meeting to order at 9:00 a.m. and provided hotel emergency procedures. There was a round of introductions by all present.

2 REVIEW OF AGENDA

Chair Dukes noted that there would be a time-specific discussion at 9:45 a.m. to enable attendees of the RevCom meeting to join the NesCom meeting for the discussion of P1932.1 (agenda item 4.3.13).

There was a motion to approve the agenda. There was no objection to unanimous consent.

2.1 Consent Agenda

2.1.1 Withdrawal Requests

There were no withdrawal requests.

3 APPROVAL OF MINUTES FROM THE 2 FEBRUARY 2017 NESCOM MEETING

There was a motion to approve the 2 February 2017 NesCom meeting minutes. There was no objection to unanimous consent.

4 PARS FOR DISCUSSION

Prior to the discussions in this agenda item, Chair Dukes reminded NesCom that it is the role of the Sponsors to determine technical and market viability of the projects.

4.1 Modified PARs

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

P21451-001

Recommended Practice for Signal Treatment Applied to Smart Transducers
Recommendation: Approve modified PAR

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

P1189

Guide for Selection of Batteries for Standby Applications
Recommendation: Approve modified PAR

IEEE Power and Energy Society/Substations

P1711

Standard for a Cryptographic Protocol for EPS Serial Links
Recommendation: Conditionally approve modified PAR; contingent upon determining if referenced material is in the public domain and if it is not, by getting a copyright release agreement from AGA.

IEEE Power and Energy Society/Transmission and Distribution

P1250

Guide for Identifying and Improving Power Quality in Power Systems
Recommendation: Approve modified PAR

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

P62704-3

Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz - 6 GHz Part 3: Specific Requirements for Using the Finite Difference Time Domain (FDTD) Method for SAR Calculations of Mobile Phones

Recommendation: Approve modified PAR

4.2 Extension Requests

IEEE Power and Energy Society/Substations

P1402

Guide for Physical Security of Electric Power Substations

Recommendation: Approve request for an extension until December 2019

4.3 New PARs

IEEE Computer Society/LAN/MAN Standards Committee

P802.15.3f

Standard for High Data Rate Wireless Multi-Media Networks Amendment Extending the Physical Layer (PHY) Specification for Millimeter Wave to Operate from 57.0 GHz to 71 GHz

Recommendation: Approve new PAR until December 2021

P802.15.13

Standard for Multi-Gigabit per Second Optical Wireless Communications (OWC) with Ranges up to 200 meters

Recommendation: Approve new PAR until December 2021

IEEE Computer Society/Learning Technology

P7004

Standard for Child and Student Data Governance

Recommendation: Conditionally approve new PAR until December 2021; contingent upon removing the first sentence of the scope. NB: The condition has been met.

IEEE Computer Society/Software & Systems Engineering Standards Committee

P2030.4

Guide for Control and Automation Installations Applied to the Electric Power Infrastructure

Recommendation: Defer new PAR until the May 2017 NesCom teleconference. The attachment referenced in section 8.1 has not been shared with NesCom yet. (3 in favor, 2 abstain)

P2430

Standard for Software Nonfunctional Sizing Measurement

Recommendation: Conditionally approve new PAR until December 2021; contingent upon staff confirming whether an agreement is needed with the organization listed in section 6.1 on the PAR. NB: The condition has been met.

P7005

Standard for Transparent Employer Data Governance

Recommendation: Conditionally approve new PAR until December 2021; contingent upon removing the first sentence of the scope. NB: The condition has been met.

P7006

Standard for Personal Data Artificial Intelligence (AI) Agent

Recommendation: Approve new PAR until December 2021

IEEE Consumer Electronics Society/Standards Committee

P2048.6

Standard for Virtual Reality and Augmented Reality: Immersive User Interface

Recommendation: Approve new PAR until December 2021

P2048.7

Standard for Virtual Reality and Augmented Reality: Map for Virtual Objects in the Real World

Recommendation: Approve new PAR until December 2021

P2048.8

Standard for Virtual Reality and Augmented Reality: Interoperability between Virtual Objects and the Real World

Recommendation: Approve new PAR until December 2021

P3141

Standard for 3D Body Processing

Recommendation: Approve new PAR until December 2021

IEEE Communications Society/Standards Development Board

P1906.1.1

Standard Data Model for Nanoscale Communication Systems

Recommendation: Approve new PAR until December 2021

P1932.1

Standard for Licensed/Unlicensed Spectrum Interoperability in Wireless Mobile Networks

Recommendation: Defer new PAR until the May 2017 NesCom teleconference to provide further clarification of the scope. Glenn Parsons was assigned as mentor. (4 in favor, 1 recuse) NB: This PAR was removed

from the SASB consent agenda for discussion under SASB agenda item 6.3.1. From the SASB meeting minutes: There was a motion to approve the PAR for P1932.1. After some discussion, there was a motion to Call the Question. There were no objections. The motion was approved. [Vote: Yes =10, No=4, Abstain=1]

P1933.1

Hybrid Automatic Repeat reQuest for High Throughput Applications

Recommendation: Approve new PAR until December 2021 (3 in favor, 1 opposed [Parsons], 1 abstain)

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2550

Standard for Remote Monitoring of a Neonate and the Mother Post-Partum in a Non-Clinical Healthcare Setting

Recommendation: Approve new PAR until December 2021

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

P1451.8

Standard for Wind Turbine Health Monitoring System Wireless Communication Protocols and Transducer Electronic Data Sheet (TEDS) Format

Recommendation: Approve new PAR until December 2021 (4 in favor, 1 opposed [Parsons])

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

P535-2013/Cor 1

Standard for Qualification of Class 1E Vented Lead Acid Storage Batteries for Nuclear Power Generating Stations - Corrigendum 1: Clarification of Thermal Aging Durations

Recommendation: Approve new PAR until December 2021

IEEE Power and Energy Society/Surge Protective Devices/Low Voltage

PC62.43.1

Guide for Surge Protectors and Surge Protective Circuits Used in Information and Communication Technology Circuits (ICT), Including Smart Grid - Part 1 Applications

Recommendation: Approve new PAR until December 2021

IEEE Power and Energy Society/Substations

P1711.1

Standard for a Cryptographic Protocol for Cyber Security of Substation Serial Links: Substation Serial Protection Protocol

Recommendation: Conditionally approve new PAR until December 2021; contingent upon determining if referenced material is in the public domain and if it is not, by getting a copyright release agreement from AGA.

IEEE Power and Energy Society/Switchgear

PC37.012a

Guide for the Application of Capacitance Current Switching for AC High-Voltage Circuit Breakers above 1000 V Amendment Changing the Capacitive Inrush/Outrush Limitations of Switchgear

Recommendation: Approve new PAR until December 2021

IEEE Power and Energy Society/Transformers

PC57.13.9

Standard for Power-Line Carrier Coupling Capacitors and Coupling Capacitor Voltage Transformers

Recommendation: Conditionally approve new PAR until December 2021; contingent upon staff confirming acceptance of the noted letter of transfer. NB: The condition has been met.

IEEE Power Electronics Society/Standards Committee

P2004

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

Recommendation: Approve new PAR until December 2021

4.4 PARs for the Revision of Standards

IEEE Computer Society/LAN/MAN Standards Committee

P802.11

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

Recommendation: Approve PAR for the revision of a standard until December 2021

P802.15.4

Standard for Low-Rate Wireless Networks

Recommendation: Approve PAR for the revision of a standard until December 2021

IEEE Computer Society/Software & Systems Engineering Standards Committee

P26511

Systems and Software Engineering - Requirements for Managers of Information for Users of Systems, Software, and Services

Recommendation: Approve PAR for the revision of a standard until December 2021

IEEE Engineering in Medicine and Biology Society/Standards Committee

P1708

Standard for Wearable Cuffless Blood Pressure Measuring Devices

Recommendation: Approve PAR for the revision of a standard until December 2021

IEEE Power and Energy Society/Insulated Conductors

P634

Standard for Cable-Penetration Fire Stop Qualification Test

Recommendation: Approve PAR for the revision of a standard until December 2021

IEEE Power and Energy Society/Nuclear Power Engineering

P382

Standard for Qualification of Safety-Related Actuators for Nuclear Power Generating Stations and Other Nuclear Facilities

Recommendation: Approve PAR for the revision of a standard until December 2021

IEEE Power and Energy Society/Power System Relaying

P1646

Standard Communication Delivery Time Performance Requirements for Electric Power Substation Automation

Recommendation: Approve PAR for the revision of a standard until December 2021

PC37.102

Guide for AC Generator Protection

Recommendation: Approve PAR for the revision of a standard until December 2021

PC37.112

Standard Inverse-Time Characteristic Equations for Overcurrent Relays

Recommendation: Approve PAR for the revision of a standard until December 2021

PC37.234

Guide for Protective Relay Applications to Power System Buses

Recommendation: Approve PAR for the revision of a standard until December 2021

IEEE Power and Energy Society/Substations

P980

Guide for Containment and Control of Oil Spills in Substations

Recommendation: Approve PAR for the revision of a standard until December 2021

P1127

Guide for the Design, Construction, and Operation of Electric Power Substations for Community Acceptance and Environmental Compatibility

Recommendation: Approve PAR for the revision of a standard until December 2021

IEEE Power and Energy Society/Transmission and Distribution

P519

Standard for Harmonic Control in Electric Power Systems

Recommendation: Approve PAR for the revision of a standard until December 2021

IEEE Power and Energy Society/Transformers

PC57.12.80

Standard Terminology for Power and Distribution Transformers

Recommendation: Approve PAR for the revision of a standard until December 2021

PC57.142

Guide to Describe the Occurrence and Mitigation of Switching Transients Induced by Transformers, Switching Device, and System Interaction

Recommendation: Approve PAR for the revision of a standard until December 2021

PC57.150

Guide for the Transportation of Transformers and Reactors Rated 10,000 kVA or Higher

Recommendation: Approve PAR for the revision of a standard until December 2021

5 OLD BUSINESS

5.1 Update from Staff on Activities for Social Implications and Ethical Considerations for New Projects - Staff

Lisa Weisser described progress on the survey planned for new standards projects after PAR approval and after standard approval. This is still in development, and feedback about the survey from the NesCom meeting will be incorporated. Links will be placed from strategic locations within the standards development web pages to highlight current activities in this area by IEEE-SA and other IEEE OUs, and to lead people to recent articles and relevant projects in an effort to generate discussions as they start the process of developing standards. The ad hoc will continue as a sounding board for staff.

6 NEW BUSINESS

6.1 Discussion - Review of the NesCom Conventions and the NesCom Processes

An ad hoc was formed, based on the motion that was approved at the December NesCom meeting, to review the NesCom Conventions and processes for PAR review. The 2016 NesCom members were also invited to submit comments for consideration by the ad hoc because the motion was made by last year's NesCom.

6.2 Volunteer Survey - Yvette Ho Sang

Yvette Ho Sang told NesCom to watch for an upcoming survey for members of the SASB and its committees. One of the strategic goals of the BOG is to be a learning community, and the survey will let us know if we are achieving the goal of becoming that culture. She encouraged everyone to participate in the survey, which will be sent in April.

7 NEXT MEETING

The next meeting of NesCom will take place on 4 May 2017 by teleconference. The next in-person meeting of NesCom will take place on 14 June 2017 in Milan, Italy.

8 ADJOURNMENT

There being no further business, the meeting was adjourned at 11:36 a.m.