

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

4 March 2020

9:00 a.m. - 12:00 p.m.

New Delhi, India

Members Present:

Ramy A. Fathy (via phone)

Guido Hiertz (via phone)

John Kulick

Dong Liu (via phone)

Haiying Lu (via phone)

Riccardo Mariani (via phone)

Chenhui Niu (via phone)

Dorothy Stanley, Chair

Lei Wang

Sha Wei (via phone)

Philip Winston (via phone)

Hiroshi Mano

Jim Matthews

Niwedita Pathak

Jon Rosdahl

Bindoo Srivastava

Claire Topp

Karl Weber

Don Wright

Isamu Yamada

IEEE Staff:

Hermann Brand

Sri Chandrasekaran

Ravindra Desai

Karen Evangelista

Jodi Haasz

Yvette Ho Sang

Karen Kenney

Soo Kim

Munir Mohammed

Dave Ringle

Rudi Schubert

Sam Sciacca

Lisa Weisser, Administrator

Members Absent:

Ted Burse

Daidi Zhong

Guests:

Sandeep Agrawal

Shrikant Bhat

Doug Edwards

Yoshiaki Fukami

Gary Hoffman

Narang Kishor

Kevin Lu

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

Chair Stanley welcomed everyone and called the meeting to order at 9:00 a.m. 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 (Kulick) and seconded (Wang) to approve the 4 March 2020 NesCom meeting agenda, including all items on the consent agenda. The motion was unanimously approved.**

## **2.1 Consent Agenda**

### **2.1.1 Withdrawal Requests**

#### **IEEE Engineering in Medicine and Biology Society/Standards Committee**

##### **P2721**

Standard for Wireless Diabetes Device Security Assurance

**Recommendation: Approve PAR withdrawal**

#### **IEEE Reliability Society/IEEE Reliability**

##### **P1467**

Standard for Reliability Growth

**Recommendation: Approve PAR withdrawal**

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

##### **P7013**

Inclusion and Application Standards for Automated Facial Analysis Technology

**Recommendation: Approve PAR withdrawal**

### **2.1.2 Standards Committee Change Request for P2784**

Request to move P2784 'Guide for the Technology and Process Framework for Planning a Smart City' from COM/SDB to COM/NetSoft-SC.

*NB: The approval of this Standards Committee Change request was included in the approval of the agenda and the consent agenda. This change will be made and the PAR was moved to COM/NetSoft-SC.*

### **2.1.3 Project Number Change Request for P2829 'Guide for Handling Non-Sulphur Hexafluoride (SF6) Gas Mixtures for High Voltage Equipment'**

*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 P2829 to PC37.122.10.*

## **3 APPROVAL OF MINUTES FROM THE 22 JANUARY 2020 MEETING**

The minutes were posted close to the meeting date and will be approved at the April NesCom teleconference.

*NB: The minutes from the 22 January 2020 NesCom meeting were approved at the 29 April 2020 NesCom meeting.*

## **4 PARS FOR DISCUSSION**

### **4.1 Modified PARs**

**IEEE Consumer Electronics Society/Standards Committee****P2049.1**

Standard for Human Augmentation: Taxonomy and Definitions

**Recommendation: Approve modified PAR****P2049.2**

Standard for Human Augmentation: Privacy and Security

**Recommendation: Approve modified PAR****P2049.3**

Standard for Human Augmentation: Identity

**Recommendation: Approve modified PAR****P2049.4**

Standard for Human Augmentation: Methodologies and Processes for Ethical Considerations

**Recommendation: Approve modified PAR****P2788**

Standard for Circulating Air Pressure Physiotherapy Equipment Used in the Home Healthcare Environment

**Recommendation: Approve modified PAR****P2843**

Standard for Measuring Accessibility Experience and Compliance

**Recommendation: Approve modified PAR****IEEE Vehicular Technology Society/Intelligent Transportation Systems****P1609.2.1**

Wireless Access in Vehicular Environments (WAVE) -- Certificate Management Interfaces for End-Entities

**Recommendation: Approve modified PAR (9 approve, 0 disapprove, 1 abstain [Hiertz])****IEEE-SASB Coordinating Committees/SCC21 - Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage****P1547.3**

Guide for Cybersecurity of Distributed Energy Resources Interconnected with Electric Power Systems

**Recommendation: Approve modified PAR (9 approve, 0 disapprove, 1 abstain [Hiertz])****4.2 Extension Requests****IEEE Power and Energy Society/Power System Communications and Cybersecurity****PC93.5**

Standard for Power Line Carrier Transmitter/Receiver Equipment used to Transfer Discrete Teleprotection Signals

**Recommendation: Approve request for an extension until December 2022****IEEE Power and Energy Society/Surge Protective Devices/High Voltage****PC62.11**

Standard for Metal-Oxide Surge Arresters for AC Power Circuits (&gt; 1 kV)

**Recommendation: Approve request for an extension until December 2020**

#### 4.3 New PARs

IEEE Communications Society/Edge, Fog, Cloud Communications with IOT and Big Data Standards Committee

##### **P1912**

Standard for Privacy and Security Framework for Consumer Wireless Devices

**Recommendation: Approve new PAR until December 2024 (9 approve, 0 disapprove, 1 abstain [Hiertz])**

IEEE Communications Society/Mobile Communication Networks Standards Committee

##### **P2872**

Standard for Interoperable and Secure Wireless Local Area Network (WLAN) Infrastructure and Architecture

**Recommendation: Approve new PAR until December 2024 (9 approve, 0 disapprove, 1 abstain [Winston])**

IEEE Communications Society/Virtualized and Software Defined Networks, and Services Standards Committee

##### **P1950.1**

Standard for Communications Architectural Functional Framework for Smart Cities

**Recommendation: Approve new PAR until December 2024**

##### **P1951.1**

Standard for Smart City Component Systems Discovery and Semantic Exchange of Objectives

**Recommendation: Approve new PAR until December 2024**

IEEE Consumer Electronics Society/Standards Committee

##### **P2866.1**

Standard for Device Trusted Extension: Software Architecture

**Recommendation: Approve new PAR until December 2024**

##### **P2867**

Guide for Direct Current (DC) Power Transmitter of Wireless Charging for Kitchen Appliances

**Recommendation: Approve new PAR until December 2024**

##### **P2868**

Standard for Architectural Framework and Technical Requirements for Smart Display System

**Recommendation: Approve new PAR until December 2024 (8 approve, 0 disapprove, 2 abstain [Fathy, Winston])**

##### **P2876**

Recommended Practice for Inclusion, Dignity and Privacy in Online Gaming

**Recommendation: Approve new PAR until December 2024**

IEEE Electromagnetic Compatibility Society/Standards Development Committee

##### **P2855**

Recommended Practice for the Electromagnetic Characterization of Cable/Connector Assembly Shielding Effectiveness in Frequency Range of Direct Current to 40 GHz

**Recommendation: Approve new PAR until December 2024**

**IEEE Engineering in Medicine and Biology Society/Standards Committee****P2621.1**

Standard for Wireless Diabetes Device Security Assurance: Product Security Evaluation Program

**Recommendation: Approve new PAR until December 2024**

**P2621.2**

Standard for Wireless Diabetes Device Security Assurance: Protection Profile for Connected Diabetes Devices

**Recommendation: Approve new PAR until December 2024**

**P2621.3**

Standard for Wireless Diabetes Device Security Assurance: Guidance for Mobile Devices

**Recommendation: Approve new PAR until December 2024**

**P2864**

Guide for a Software Change Control System for Three-Dimensional (3D) Bioprinting of Tissue-Engineered Medical Products (TEMPs)

**Recommendation: Approve new PAR until December 2024**

**IEEE Power and Energy Society/Analytic Methods for Power Systems****P2869**

Guide for the Synchronous Monitoring of Direct Current (DC) Bias Magnetic Current Distribution in Power Grid

**Recommendation: Approve new PAR until December 2024**

**IEEE Power and Energy Society/Power System Communications and Cybersecurity****PC37.238a**

Standard Profile for Use of IEEE 1588 Precision Time Protocol in Power System Applications

Amendment 1: Adding a Type-Length-Value (TLV) to indicate the latest International Earth Rotation Service (IERS)-specified Universal Time Coordinated (UTC) Leap Second Event

**Recommendation: Approve new PAR until December 2024**

**IEEE Power and Energy Society/Transformers****PC57.93a**

IEEE Approved Draft Guide for Installation and Maintenance of Liquid-Immersed Power Transformers

Amendment: Cold Start of Power Transformers filled with Natural Ester Fluids

**Recommendation: Approve new PAR until December 2024**

**IEEE Power and Energy Society/Transmission and Distribution****P2870**

Grip Test Method Guide for Fittings of High-Temperature, Low-Sag Overhead Conductor Under Tension and Electric Current Co-effect

**Recommendation: Approve new PAR until December 2024**

**P2871**

Standard for Wedge-shaped Groove Clamps

**Recommendation: Approve new PAR until December 2024**

**P751**

Guide for Wood Structures Used for Overhead Electric Transmission Lines

**Recommendation: Approve new PAR until December 2024**

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

**P1833**

Guidelines for the Design of Direct Current Overhead Contact Systems for Transit Systems

**Recommendation: Approve new PAR until December 2024**

**4.4 PARs for the Revision of Standards**

IEEE Computer Society/Software & Systems Engineering Standards Committee

**P41062**

Software Engineering - Life cycle processes - Software Acquisition

**Recommendation: Approve PAR for the revision of a standard until December 2024**

IEEE Power and Energy Society/Energy Development & Power Generation

**P1095**

Guide for the Installation of Vertical Generators and Generator/Motors for Hydroelectric Applications

**Recommendation: Approve PAR for the revision of a standard until December 2024**

IEEE Power and Energy Society/Insulated Conductors

**P1637**

Guide for Selection and Application of Terminations for Shielded Alternating-Current Power Cable Rated 5 kV - 46 kV

**Recommendation: Approve PAR for the revision of a standard until December 2024**

**P82**

Standard Test Procedure for Impulse Voltage Tests on Insulated Conductors

**Recommendation: Approve PAR for the revision of a standard until December 2024**

IEEE Power and Energy Society/Switchgear

**PC37.41**

Standard for Design Tests and Specifications for High-Voltage (> 1000 V) Fuses and Accessories

**Recommendation: Approve PAR for the revision of a standard until December 2024**

IEEE Power and Energy Society/Transformers

**PC57.12.28**

Standard for Pad-Mounted Equipment--Enclosure Integrity

**Recommendation: Approve PAR for the revision of a standard until December 2024**

**PC57.12.29**

Standard for Pad-Mounted Equipment--Enclosure Integrity for Coastal Environments

**Recommendation: Approve PAR for the revision of a standard until December 2024**

**PC57.12.52**

Standard for Sealed Dry-Type Distribution and Power Transformers

**Recommendation: Approve PAR for the revision of a standard until December 2024**

**PC57.146**

Guide for Interpretation of Gases Generated in Silicone-Immersed Transformers

**Recommendation: Approve PAR for the revision of a standard until December 2024**

**PC57.163**

Guide for Establishing Power Transformer Capability while under Geomagnetic Disturbances

**Recommendation: Approve PAR for the revision of a standard until December 2024**

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

**P1308**

Recommended Practice for Instrumentation: Specifications for Magnetic Flux Density and Electric Field Strength Meters - 10 Hz to 3 kHz

**Recommendation: Approve PAR for the revision of a standard until December 2024**

**P563**

Guide on Conductor Self-Damping Measurements

**Recommendation: Approve PAR for the revision of a standard until December 2024**

**P664**

Guide for Laboratory Measurement of the Power Dissipation Characteristics of Aeolian Vibration Dampers for Single Conductors

**Recommendation: Approve PAR for the revision of a standard until December 2024**

**P738**

Standard for Calculating the Current-Temperature Relationship of Bare Overhead Conductors

**Recommendation: Approve PAR for the revision of a standard until December 2024**

**P824**

Standard for Series Capacitor Banks in Power Systems

**Recommendation: Approve PAR for the revision of a standard until December 2024**

**PC135.62**

Standard for Zinc-Coated Forged Anchor Shackles

**Recommendation: Approve PAR for the revision of a standard until December 2024**

**5 OLD BUSINESS**

**5.1 Ad Hoc on Review Period Comment Timeframes - Phil Winston**

Phil Winston provided an update that the ad hoc was asked to continue into 2020 to present its recommendations, but there were concerns raised by staff with some of the recommendations. Phil requested that Chair Stanley forward the original recommendations to NesCom members along with a request to staff to learn more about what staff objected to with regard to the recommendations. There was a discussion about the need for setting expectations for review comments and replies, and the appropriate way to make the expectations known.

**AI: Chair Stanley will send the original recommendations of the ad hoc to NesCom and work with staff to see if there is interest in continuing with the recommendations.**

*NB: This action item was completed and further discussion took place at the April 2020 NesCom teleconference.*

## **6 NEW BUSINESS**

### **6.1. Committee Member Interactions/Comments Re: myProject**

Committee members provided feedback on their interactions with the updated myProject. Some of the initial feedback included:

- Quotation marks appear as question marks in myProject once the comment is submitted.
- Text runs together with improper spacing between sentences and paragraphs in the submitted comments.
- Clicking back to the meeting agenda after viewing the submission details should bring the reviewer back to the same location on the agenda (anchored), so they do not have to scroll back each time.
- There needs to be a filter to allow NesCom members to track the PARs they made comments on instead of searching for these manually.
- There needs to be a way for reviewers to sort based on their votes.
- There should be a way to toggle back and forth between PARs with navigational arrows.

## **7 DATE OF NEXT MEETING**

The next meeting of NesCom will take place on 29 April 2020 by teleconference. Karen Kenney mentioned that there will be information in the coming weeks about potential changes to the June SASB meeting series scheduled to take place in Berlin because there may be travel restrictions due to COVID-19.

*NB: The June 2020 NesCom meeting will be held by teleconference only on 2 June at 9:00 a.m. ET.*

## **8 ADJOURNMENT**

Chair Stanley thanked all of the committee members for the significant amount of work involved in reviewing the PARs, and she thanked Lisa Weisser for making all of the edits to the PARs. She also noted that the PARs were improved through the NesCom review process. There being no further business, the meeting was adjourned at 11:54 a.m.