

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

**Meeting Minutes**

22 January 2020

9:00 a.m. - 10:00 a.m. ET

Teleconference

Members Present:

Alan Berkema

Ted Burse

Stephen Dukes

John Kulick

Joseph Levy

Kevin Lu

Dorothy Stanley, Chair

Mehmet Ulema

Sha Wei

Philip Winston

Jingyi Zhou

Riccardo Mariani

Lei Wang

Daidi Zhong

IEEE Staff:

Christy Bahn

Adrian Barmaksiz

Matt Ceglia

Karen Evangelista

Jonathan Goldberg

Jodi Haasz

Yvette Ho Sang

Mike Kipness

Soo Kim

Vanessa Lalitte

Nikoi Nikoi

Dave Ringle

Jennifer Santulli

Tom Thompson

Lisa Weisser, Administrator

Malia Zaman

Members Absent:

Grace Gu

Feng Wu

Guests:

Ramy Ahmed Fathy

Guido Hiertz

Gary Hoffman

Haiying Lu

[Unless otherwise noted, all votes are unanimous]

**1. CALL TO ORDER AND INTRODUCTIONS**

Chair Stanley called the meeting to order at 9:00 a.m. There was a round of introductions by all present.

**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 (Winston) and seconded (Burse) to approve the 22 January 2020 NesCom meeting agenda, including all items on the consent agenda. The motion was unanimously approved.**

**2.1 Consent Agenda**

## **2.1.1 Requests to Remove PARs from the Administrative Withdrawal List**

### **2.1.1.1 P1036 'Guide for the Application of Shunt Power Capacitors'**

### **2.1.1.2 PC62.11 'Standard for Metal-Oxide Surge Arresters for AC Power Circuits (> 1 kV)'**

### **2.1.1.3 PC135.80/Cor 1 'Standard for Fasteners for Overhead Line Construction - Corrigendum 1: Table 5 - Dimensions of Hex Nuts'**

*NB: The approval to remove these PARs from the 2019 administrative withdrawal list was included in the approval of the agenda and the consent agenda and these PARs have been removed from the administrative withdrawal list.*

## **2.1.2 PARs to be Administratively Withdrawn**

### **P2025.1 (CES/SC)**

Standard for Consumer Drones: Taxonomy and Definitions  
(New PAR)

### **P2025.2 (CES/SC)**

Standard for Consumer Drones: Privacy and Security  
(New PAR)

### **P3030 (CES/SC)**

Standard for Consumer 3D Printing: Overview and Architecture  
(New PAR)

*NB: The approval of these administrative withdrawals was included in the approval of the agenda and the consent agenda and these PARs have been withdrawn.*

## **2.1.3 Standards Committee Change Request for 1857 WG**

Request to move the existing 1857 Working Group, including the following PARs and standards from the (current) C/SAB Standards Committee to the C/DC Standards Committee:

IEEE 1857-2013  
IEEE 1857a-2014  
IEEE 1857.2-2013  
IEEE 1857.3-2013  
IEEE 1857.4-2018  
IEEE 1857.5-2015  
IEEE 1857.6-2018  
IEEE 1857.7-2018  
IEEE P1857.8  
IEEE P1857.9  
IEEE P1857.10

*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 PARs and standards will be moved with the assistance of the myProject team.*

## **3. APPROVAL OF MINUTES FROM THE 6 NOVEMBER 2019 MEETING**

A motion was made to approve the minutes of the 6 November 2019 NesCom meeting. The motion was unanimously approved.

#### 4. PARS FOR DISCUSSION

##### 4.1 Modified PARs

##### IEEE Computer Society/LAN/MAN Standards Committee

###### P802.1CS

Standard for Local and Metropolitan Area Networks -- Link-local Registration Protocol

**Recommendation: Approve modified PAR**

###### P802.3ct

Standard for Ethernet

Amendment: Physical Layers and Management Parameters for 100 Gb/s Operation over DWDM (dense wavelength division multiplexing) systems

**Recommendation: Approve modified PAR**

##### IEEE Computer Society/Software & Systems Engineering Standards Committee

###### P24774

Systems and software engineering--Life cycle management--Specification for process description

**Recommendation: Approve modified PAR**

##### IEEE Industry Applications Society/Industrial & Commercial Power Systems Standards Development Committee

###### P3002.9

Recommended Practice for Conducting Transient Stability Studies and Analysis of Industrial and Commercial Power Systems

**Recommendation: Approve modified PAR**

###### P3003.5

Recommended Practice for Connections to Earth for Alternating Current (AC) Industrial and Commercial Power Systems Facilities

**Recommendation: Approve modified PAR**

##### IEEE Industry Applications Society/Petroleum & Chemical Industry

###### P303

Recommended Practice for Auxiliary Devices for Rotating Electrical Machines in Class I, Division 2 and Zone 2 Locations and Class II, Division 2 and Zone 22 Locations

**Recommendation: Approve modified PAR**

###### P841

Standard for Petroleum and Chemical Industry--Premium-Efficiency, Severe-Duty, Totally Enclosed Squirrel Cage Induction Motors--0.75-370 kW (1-500 hp)

**Recommendation: Approve modified PAR**

##### IEEE Power and Energy Society/Insulated Conductors

**P1235**

Guide for Properties of Stripes and Ridges for Identification of Underground Power Cable Jackets and Ducts

**Recommendation: Approve modified PAR**

IEEE Power and Energy Society/Switchgear

**PC37.121**

Guide for Switchgear - Unit Substation - Requirements

**Recommendation: Approve modified PAR**

**4.2 Extension Requests**

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

**PC95.3**

Recommended Practice for Measurements and Computations of Electric, Magnetic and Electromagnetic Fields With Respect to Human Exposure to Such Fields, 0 Hz-300 GHz

**Recommendation: Approve request for an extension until December 2021 (8 approve, 0 disapprove, 2 abstain [Berkema, Winston])**

**4.3 New PARs**

IEEE SA Board of Governors/Corporate Advisory Group

**P2857**

Standard for Wireless Smart Utility Network Field Area Network (FAN)

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

IEEE Computer Society/LAN/MAN Standards Committee

**P802.1AEdk**

Standard for Local and metropolitan area networks-Media Access Control (MAC) Security

Amendment 4: MAC Privacy protection

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

**P802.3cw**

Standard for Ethernet

Amendment: Physical Layers and Management Parameters for 400 Gb/s Operation over DWDM (dense wavelength division multiplexing) systems

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

**P802.3cx**

Standard for Ethernet

Amendment: Media Access Control (MAC) service interface and management parameters to support improved Precision Time Protocol (PTP) timestamping accuracy

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

**P802.16t**

Standard for Air Interface for Broadband Wireless Access Systems

Amendment - Fixed and Mobile Wireless Access in Narrowband Channels

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

**P802f**

Standard for Local and Metropolitan Area Networks: Overview and Architecture  
Amendment: YANG Data Model for EtherTypes

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

IEEE Computer Society/Software & Systems Engineering Standards Committee

**P24641**

Methods and Tools for Model-based Systems and Software Engineering

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

IEEE Computer Society/Standards Activities Board

**P2807.2**

Guide for Application of Knowledge Graphs for Financial Services

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

**P2858**

Standard for Mini-program Architecture and Technical Requirements

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

**P2863**

Recommended Practice for Organizational Governance of Artificial Intelligence

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

IEEE Consumer Electronics Society/Blockchain Standards Committee

**P2145**

Standard Framework and Definitions for Blockchain Governance

**Recommendation: Conditionally approve new PAR until December 2024; contingent upon changing the title to 'Standard for Framework and Definitions for Blockchain Governance'.**

*NB: The condition has been met.*

**P2146.1**

Standard for Entity-Based Risk Mutual Assistance Model through Blockchain Technology

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

**P2146.2**

Standard for External Data Retrieval of Blockchain for Risk Mutual Assistance Model

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

IEEE Consumer Electronics Society/Standards Committee

**P2040**

Standard for General Requirements for Fully Automated Vehicles Driving on Public Roads

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

**P2040.1**

Taxonomy and Definitions for Connected and Automated Vehicles

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

**P2040.2**

Recommended Practice for Multi-Input Based Decision Making of Automated Vehicles Driving on Public Roads

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

**P2040.3**

Recommended Practice for Permitting Automated Vehicles to Drive on Public Roads

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

**P2859**

Standard for Biometric Multi-modal Fusion

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

**P2861**

Standard for Mobile Gaming Performance Evaluation and Optimization

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

**IEEE Dielectrics and Electrical Insulation Society/Standards Committee**

**P2862**

Recommended Practice for Partial Discharge Measurements under AC Voltage with VHF/UHF Sensors during Routine Tests on Factory and Pre-moulded Joints of HVDC Extruded Cable Systems up to 800 kV

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

**IEEE Geoscience and Remote Sensing Society/Standards Committee**

**P4005**

Standard Protocol and Scheme for Measuring Soil Spectroscopy

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

**IEEE Power and Energy Society/Electric Machinery**

**P1719**

Guide for Evaluating Stator Cores of AC Electric Machines Rated 1 MVA and Higher

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

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

**PC62.38**

Test Methods and preferred values for hybrid integrated circuit components containing gas discharge tube and metal oxide varistor technologies

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

**IEEE Power and Energy Society/Switchgear**

**PC37.04-2018/Cor 1**

Standard for Ratings and Requirements for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V - Corrigendum 1

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

**PC37.09-2018/Cor 1**

Draft Standard Test Procedures for AC High-Voltage Circuit Breakers with Rated Maximum Voltage above 1000 V - Corrigendum 1

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

**PC37.016-2018/Cor 1**

Standard for AC High Voltage Circuit Switchers Rated 15.5 kV through 245 kV - Corrigendum 1

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

IEEE Reliability Society/IEEE Reliability

**P2818**

Reliability Component Stress Analysis and Derating Specification

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

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

**P63184**

Assessment methods of the human exposure to electric and magnetic fields from wireless power transfer systems - models, instrumentation, measurement and numerical methods and procedures

(Frequency range of 1 kHz to 30 MHz)

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

IEEE Systems, Man, and Cybernetics Society/Standards Committee

**P2852**

Intelligent Assessment of Safety Risk for Overhead Transmission Lines Under Multiple Operating Conditions

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

IEEE Vehicular Technology Society/Intelligent Transportation Systems

**P1609.13**

Wireless Access in Vehicular Environments - Reliable Data Transport Mechanisms for Multiple Receivers

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

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

**P2853**

Recommended Practice for Grounding of Traction Power Systems

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

**4.4 PARs for the Revision of Standards**

IEEE Computer Society/Design Automation

**P2416**

Standard for Power Modeling to Enable System-Level Analysis

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

IEEE Computer Society/Standards Activities Board

**P3333.1.1**

Standard for Quality of Experience (QoE) and Visual-Comfort Assessments of Three-Dimensional (3D) Contents Based on Psychophysical Studies

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

**P3333.1.2**

Standard for the Perceptual Quality Assessment of Three Dimensional (3D), Ultra High Definition (UHD) and High Dynamic Range (HDR) Contents

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

IEEE Computer Society/Test Technology

**P1450.6.2**

Standard for Memory Modeling in Core Test Language

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

IEEE Industry Applications Society/Industrial & Commercial Power Systems Standards Development Committee

**P3007.2**

Recommended Practice for the Maintenance of Industrial and Commercial Power Systems

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

IEEE Power and Energy Society/Electric Machinery

**P95**

Recommended Practice for Insulation Testing of AC Electric Machinery With High Direct Voltage

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

IEEE Power and Energy Society/Insulated Conductors

**P1215**

Guide for the Application of Separable Insulated Connectors

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

IEEE Power and Energy Society/Substations

**P1267**

Guide for Development of Specifications for Turnkey Substation Projects

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

IEEE Power and Energy Society/Switchgear

**PC37.100.1**

Standard of Common Requirements for High Voltage Power Switchgear Rated Above 1000 V

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

IEEE Reliability Society/IEEE Reliability

**P1413**

Standard Framework for Reliability Prediction of Hardware

**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 reported on the progress of the ad hoc on Review Period Comment Timeframes. Some of the recommendations still under discussion include the potential to eliminate the individual review period and changing the expectation of NesCom members. The ad hoc will continue into 2020.

## **6. NEW BUSINESS**

Jingyi Zhou brought up the topic of joint Standards Committees and asked for clarification about when agreements are required. Yvette Ho Sang explained that there is reference material about this, and that she would provide it to Lisa Weisser to send to NesCom members. A request was made to have this sent to 2019 and 2020 NesCom members.

**AI: Yvette Ho Sang will provide reference information about when IPR agreements are required with joint Standards Committees and Lisa Weisser will send the information to 2019 and 2020 NesCom members.**

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

The next meeting of NesCom will take place on 4 March 2020 in New Delhi, India. Chair Stanley reminded everyone about the NesCom Orientation and Kickoff taking place on 3 February 2020 at 9:00 a.m. ET.

## **8. ADJOURNMENT**

Chair Stanley thanked everyone, with a specific thanks to the 2019 members for a banner year. She also thanked Lisa Weisser for making thousands of edits to PARs during the year, and she thanked SASB Chair Gary Hoffman. She noted that there is a tremendous amount of work ahead, but it is important work. Dave Ringle thanked Chair Stanley on behalf of Gary Hoffman for all of her efforts Chairing NesCom in 2019 and 2020. There being no further business, the meeting was adjourned at 10:27 a.m.