

NesCom Meeting Minutes

2 February 2017

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

2 February 2017

Webex Teleconference

9:00 a.m. ET

Members Present:

Ted Burse

Stephen Dukes, Chair

Mike Janezic

Thomas Koshy

Kevin Lu

Annette Reilly

Dorothy Stanley

Phil Winston

Kathryn Bennett

Matt Ceglia

Karen Evangelista

Yvette Ho Sang

Michael Kipness

Pat Roder

Erin Spiewak

Lisa Weisser, Administrator

Malia Zaman

Members Absent:

Jianbin Fan

Xiaohui Liu

Guests:

Daleep Mohla

Damir Novosel

Glenn Parsons

Mehmet Ulema

Jingyi Zhou

Staff:

Natasha Alvarado

Melissa Aranzamendez

Christy Bahn

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

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

**2 REVIEW OF AGENDA**

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

**2.1 Withdrawal Requests**

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

**P11073-10419-2015/Cor 1**

Health Informatics - Personal Health Device Communication - Part 10419: Device Specialization - Insulin Pump Corrigendum 1

**Recommendation: Approve PAR withdrawal**

**P11073-10425-2014/Cor 1**

Health Informatics - Personal Health Device Communication - Part 10425: Device Specialization - Continuous Glucose Monitor (CGM) - Corrigendum 1

**Recommendation: Approve PAR withdrawal**

**3 APPROVAL OF MINUTES FROM THE 6 DECEMBER 2016 NESCOM MEETING**

There was a motion to approve the 6 December 2016 NesCom Meeting Minutes. There was no objection to unanimous consent.

**4 PARS FOR DISCUSSION**

**4.1 Modified PARs**

IEEE Engineering in Medicine and Biology Society/Standards Committee

**P3333.2.2**

Standard for Three-Dimensional (3D) Medical Visualization

**Recommendation: Approve modified PAR**

**P3333.2.3**

Standard for Three-Dimensional (3D) Medical Data Management

**Recommendation: Approve modified PAR**

**P3333.2.4**

Standard for Three-Dimensional (3D) Medical Simulation

**Recommendation: Approve modified PAR**

**P3333.2.5**

Standard for Bio-CAD File Format for Medical Three-Dimensional (3D) Printing

**Recommendation: Approve modified PAR**

IEEE Power and Energy Society/Insulated Conductors

**P1210**

Standard Tests for Determining Compatibility of Cable-Pulling Lubricants with Wire and Cable

**Recommendation: Approve modified PAR**

IEEE Power and Energy Society/Switchgear

**PC37.20.9**

Metal Enclosed Switchgear Rated 1 kV to 52 kV Incorporating Gas Insulation Systems

**Recommendation: Approve modified PAR**

#### **4.2 Extension Requests**

IEEE Power and Energy Society/Power System Communications and Cybersecurity

##### **P1591.2**

Standard for Testing and Performance of Hardware for All-Dielectric Self-Supporting (ADSS) Fiber Optic Cable

**Recommendation: Approve request for an extension until December 2017**

IEEE Power and Energy Society/Substations

##### **P1032**

Guide for Protecting Transmission Static Var Compensators

**Recommendation: Approve request for an extension until December 2018**

##### **P1267**

Guide for Development of Specification for Turnkey Substation Projects

**Recommendation: Approve request for an extension until December 2018**

##### **P1527**

Recommended Practice for the Design of Buswork Located in Seismically Active Areas

**Recommendation: Approve request for an extension until December 2018**

##### **P1615**

Recommended Practice for Network Communication in Electric Power Substations

**Recommendation: Approve request for an extension until December 2017**

##### **P1818**

Guide for the Design of Low Voltage Auxiliary Systems for Electric Power Substations

**Recommendation: Approve request for an extension until December 2017**

IEEE Power and Energy Society/Switchgear

##### **PC37.100.1**

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

**Recommendation: Approve request for an extension until December 2017**

IEEE Power Electronics Society/Standards Committee

**P389** Recommended Practice for Testing Transformers and Inductors for Electronics Applications

**Recommendation: Approve request for an extension until December 2018**

## IEEE Reliability Society/IEEE Reliability

**P1856**

Standard Framework for Prognostics and Health Management of Electronic Systems  
**Recommendation: Approve request for an extension until December 2017**

**4.3 New PARs**

## IEEE Computer Society/LAN/MAN Standards Committee

**P802.1CS**

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

**Recommendation: Approve new PAR until December 2021**

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

**P7003**

Algorithmic Bias Considerations

**Recommendation: Approve new PAR until December 2021**

**P21839**

Systems Engineering - Systems of Systems Considerations in Engineering of Systems

**Recommendation: Approve new PAR until December 2021**

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

**P1752**

Standard for Mobile Health Data

**Recommendation: Approve new PAR until December 2021**

## IEEE Electromagnetic Compatibility Society/Standards Development Committee

**P2717**

Passive Intermodulation Test Methods for Wireless Systems in Low Noise Environments

**Recommendation: Conditionally approve new PAR until December 2021; contingent upon placing the following text, at the beginning of section 5.5 (Need), and removing the text from section 8.1: No suitable standard concerning the test framework for extremely low PIM levels exists. Current PIM noise tests for communication components/devices/antennas/systems do not work well at extremely low PIM levels or high transmission power levels, for example where PIM noise falls below -150dBc. (5 in favor, 2 opposed)**

**P2718**

Guide for Near Field Characterization of Unintentional Stochastic Radiators

**Recommendation: Approve new PAR until December 2021**

IEEE Instrumentation and Measurement Society/TC41 - Traffic Enforcement Technologies

**P2452**

Standard for the Performance of Lidar Used in Traffic Speed Measurements

**Recommendation: Approve new PAR until December 2021**

IEEE Power and Energy Society/Energy Development & Power Generation

**P2775**

Technical Guide for Smart Hydroelectric Power Plant

**Recommendation: Approve new PAR until December 2021**

IEEE Power and Energy Society/Electric Machinery

**P97**

Diagnostic Test Methods for testing the Insulation of AC Electric Machinery Using Direct Voltage

**Recommendation: Approve new PAR until December 2021**

IEEE Power and Energy Society/Insulated Conductors

**P400.5**

Guide for Field Testing of Shielded DC Power Cable Systems Using High Voltage Direct Current (HVDC)

**Recommendation: Approve new PAR until December 2021**

**P1186** Recommended Practice for Applicability of Methods for the Evaluation of Low Voltage and Medium Voltage Installed Cable Systems in Nuclear Facilities

**Recommendation: Approve new PAR until December 2021**

**P2776**

Guide for Specifying and Selecting Cables for Nuclear Facilities

**Recommendation: Approve new PAR until December 2021**

IEEE Power and Energy Society/Transformers

**PC57.32a**

Standard for Requirements, Terminology, and Test Procedures for Neutral Grounding Devices Amendment: Neutral Grounding Resistor Section

**Recommendation: Approve new PAR until December 2021**

**PC57.165**

Guide for Temperature Measurements for Liquid Immersed Transformers and Reactors

**Recommendation: Approve new PAR until December 2021**

IEEE Robotics and Automation Society/Standing Committee for Standards

**P1872.1**

Robot Task Representation

**Recommendation: Approve new PAR until December 2021**

**P2751**

3D Map Data Representation for Robotics and Automation

**Recommendation: Approve new PAR until December 2021**

**3.4 PARs for the Revision of Standards**

IEEE Computer Society/LAN/MAN Standards Committee

**P802.1AR**

Standard for Local and Metropolitan Area Networks - Secure Device Identity

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

**P802.16**

Standard for Air Interface for Broadband Wireless Access Systems

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

IEEE Electromagnetic Compatibility Society/Standards Development Committee

**P1128**

Recommended Practice for Radio-Frequency (RF) Absorber Evaluation in the Range of 30 MHz to 40 GHz

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

IEEE Industry Applications Society/Petroleum & Chemical Industry

**P1349**

Guide for Application of Electric Motors in Class I, Division 2 and Class I, Zone 2 Hazardous (Classified) Locations

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

IEEE Power and Energy Society/Electric Machinery

**P62.2**

Guide for Diagnostic Field Testing of Electric Power Apparatus - Electrical Machinery

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

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

**P1184**

Guide for Batteries for Uninterruptible Power Supply Systems

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

**P1375**

Guide for the Protection of Stationary Battery Systems

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

IEEE Power and Energy Society/Insulated Conductors

**P400.1**

Guide for Field Testing of Laminated Dielectric, Shielded AC Power Cable Systems Rated 5 kV to 500 kV Using High Voltage Direct Current (HVDC)

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

**P592**

Standard for Semiconducting Shields on Medium-Voltage (15kV - 35kV) Cable Joints and Separable Connectors

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

IEEE Power and Energy Society/Nuclear Power Engineering

**P572**

Standard for Qualification of Class 1E Connection Assemblies 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/Switchgear

**PC37.48**

Guide and Tutorial for the Application of High-Voltage (> 1000 V) Fuses and Accessories

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

IEEE Power and Energy Society/Transformers

**P1277**

Standard General Requirements and Test Code for Dry-Type and Oil-Immersed Smoothing Reactors and for Dry-Type Converter Reactors for DC Power Transmission

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

#### **PC57.12.00**

Standard for General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers

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

#### **PC57.143**

Guide for Application of Monitoring Equipment to Liquid-Immersed Transformers and Components

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

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

#### **PC95.2**

Standard for Radio-Frequency Energy and Current-Flow Symbols

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

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

#### **P1474.1**

Standard for Communications-Based Train Control (CBTC) Performance and Functional Requirements

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

### **5 NEXT MEETING**

The next meeting of NesCom will take place on 22 March 2017 in Shenzhen, PRC.

### **6 ADJOURNMENT**

Chair Dukes expressed his appreciation for the 2016 Committee's efforts, especially given the record number of PARs that were reviewed during the year. The meeting was adjourned at 10:02 a.m. ET.