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

[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
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 & 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

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.