

NesCom Meeting Minutes

26 March 2014

**IEEE-SA Standards Board New Standards Committee (NesCom)  
Meeting Minutes  
26 March 2014  
IEEE Operations Center, Piscataway, New Jersey, USA  
9:00 a.m. - 12:30 p.m.**

Members Present:

Peter Balma  
Stephen Dukes  
Mike Janezic  
Jeffrey Katz  
Xiaohui Liu  
Kevin Lu  
Annette Reilly  
Jon Rosdahl  
Yatin Trivedi  
Phil Winston, Chair  
Yu Yuan

Members Absent:

Farooq Bari  
Curtis Siller

IEEE Outside Legal Counsel:

Claire Topp – Dorsey & Whitney

Guests:

Dennis Brophy  
Ted Burse  
Clint Chaplin  
CJ Clark  
Dick DeBlasio  
Donald Dunn  
Rob Fish  
James Gilb  
Travis Griffith  
Bob Grow  
Gary Hoffman  
Ron Hotchkiss

Jim Hughes  
Rich Hulett  
Joe Koepfinger  
Bruce Kraemer  
John Kulick  
Oleg Logvinov  
Will Lumpkins  
Paul Nikolich  
Ted Olsen  
Ron Petersen  
Sam Sciacca  
Alec Stanculescu  
Adrian Stephens  
Scott Streit  
Mehmet Ulema  
Diego Vicentin  
Phil Wennblom  
Howard Wolfman  
Don Wright

IEEE Staff:

Bill Ash  
Kathryn Bennett  
Kim Breitfelder  
Christina Boyce  
Justin Caso  
Matthew Ceglia  
Sri Chandrasekaran  
Terry deCourcelle  
Karen Evangelista  
Tricia Gerdon  
Jonathan Goldberg  
Lloyd Green  
Mary Ellen Hanntz  
Noelle Humenick  
Karen Kenney  
Soo Kim  
Mike Kipness  
Greg Marchini  
Karen McCabe  
Jennifer McClain  
David Michaud  
Adam Newman  
Maira Patterson  
Lisa Perry

Dave Ringle, Administrator  
Ana Sainvilus  
Alpesh Shah  
Ravi Subramaniam  
Michelle Turner  
Lisa Weisser  
Joan Woolery  
Malia Zaman

## **1 CALL TO ORDER**

Chair Winston called the meeting to order at 9:02 a.m. There was a round of introductions by all present.

## **2 REVIEW OF AGENDA**

P1068-2009/Cor 1 was removed from the Consent Agenda and would be discussed in conjunction with P1068 located under PARs for the Revision of Standards.

Item *6.3 Labeling of Standards – Stanculescu* was added to the agenda.

There was a motion to approve the agenda, with the noted modifications. There was no objection to unanimous consent.

### **2.1 Consent Agenda**

#### **2.1.1 Withdrawal Requests**

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

##### **P11073-10407-2008/Cor 1**

Health Informatics – Personal Health Device Communication – Device Specialization – Blood Pressure Monitor – Corrigendum 1

***Recommendation: Approve PAR withdrawal***

##### **P11073-10408-2008/Cor 1**

Health Informatics – Personal Health Device Communication Part 10408: Device Specialization – Thermometer – Corrigendum 1

***Recommendation: Approve PAR withdrawal***

##### **P11073-10415-2008/Cor 1**

Health Informatics – Personal Health Device Communication – Device Specialization – Weighing Scale – Corrigendum 1

***Recommendation: Approve PAR withdrawal***

**P11073-10420-2010/Cor 1**

Health Informatics – Personal Health Device Communication Part 10420: Device Specialization – Body Composition Analyzer – Corrigendum 1

***Recommendation: Approve PAR withdrawal***

**3 APPROVAL OF MINUTES FROM THE 10 DECEMBER 2013 MEETING**

There was a motion to approve the December NesCom meeting minutes. There was no objection to unanimous consent.

**4 PARS FOR DISCUSSION**

**4.1 Modified PARs**

**IEEE Computer Society/Standards Activities Board**

**P3333.1.1**

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

***Recommendation: Approve modified PAR***

**P3333.2.1**

Standard for Three-Dimensional (3D) Medical Modelling

***Recommendation: Approve modified PAR***

**IEEE Computer Society/Voting Systems Standards Committee**

**P1622.2**

Standard for Election Results Reporting Data Interchange Format

***Recommendation: Approve modified PAR***

**P1622.3**

Standard for Election Systems Event Logging Data Interchange Format

***Recommendation: Approve modified PAR***

**IEEE Power and Energy Society/Switchgear**

**PC37.60**

High-Voltage Switchgear and Controlgear – Part 111: Automatic Circuit Reclosers for Alternating Current Systems up to and including 38 kV

***Recommendation: Approve modified PAR***

**IEEE Power and Energy Society/Transformers**

**P1276**

Guide for the Application of High-Temperature Insulation Materials in Liquid-Immersed Distribution, Power and Regulating Transformers

**Recommendation: Approve modified PAR**

## 4.2 Extension Requests

IEEE Computer Society/Test Technology

### **P1450.6.2**

Standard for Memory Modeling in Core Test Language (CTL)

**Recommendation: Approve request for an extension until December 2014**

### **P1687**

Standard for Access and Control of Instrumentation Embedded within a Semiconductor Device

**Recommendation: Approve request for an extension until December 2014**

IEEE Industry Applications Society/Power Systems Engineering

### **P1668**

Recommended Practice for Voltage Sag and Interruption Ride-Through Testing for End Use Electrical Equipment less than 1,000 Volts

**Recommendation: Approve request for an extension until December 2014**

IEEE Instrumentation and Measurement Society/TC9 – Sensor Technology

### **P21451-2**

Standard for a Smart Transducer Interface for Sensors and Actuators – Serial Point-to-Point Interface

**Recommendation: Defer consideration until June 2014**

There had been a motion to Approve an extension for P21451-2 until December 2014; however, that motion was Tabled.

IEEE Power and Energy Society/Energy Development & Power Generation

### **P1827**

Guide for Electrical and Control Design of Hydroelectric Water Conveyance Facilities

**Recommendation: Approve request for an extension until December 2016**

IEEE Power and Energy Society/Switchgear

### **PC37.11**

Standard Requirements for Electrical Control for AC High-Voltage (>1000 V) Circuit Breakers

***Recommendation: Approve request for an extension until December 2014***

IEEE Power and Energy Society/Transmission and Distribution

**P519.1**

Guide for Applying Harmonic Limits on Power Systems

***Recommendation: Defer consideration until June 2014***

Consideration of P519.1 was deferred due to a lack of Sponsor replies to NesCom member comments.

**P1782**

Guide for Collecting, Categorizing, and Utilization of Information Related to Electric Power Distribution Interruption Events

***Recommendation: Approve request for an extension until December 2014***

IEEE Power and Energy Society/Transformers

**PC57.19.01**

Standard Performance Characteristics and Dimensions for Outdoor Apparatus Bushings

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

**4.3 New PARs**

IEEE-SA Board of Governors/Corporate Advisory Group

**P2413**

Standard for an Architectural Framework for the Internet of Things (IoT)

***Recommendation: Approve new PAR until December 2018***

IEEE Computer Society/Design Automation

**P1801a**

Standard for Design and Verification of Low-Power Integrated Circuits Amendment

***Recommendation: Approve new PAR until December 2018***

IEEE Computer Society/LAN/MAN Standards Committee

**P802.1AB-2009/Cor 2**

Standard for Local and Metropolitan Area Networks – Station and Media Access Control Connectivity Discovery – Corrigendum 2: Technical and editorial corrections

***Recommendation: Approve new PAR until December 2018***

**P802.1CF**

Recommended Practice for Network Reference Model and Functional Description of IEEE 802 Access Network

**Recommendation: Approve new PAR until December 2018**

**P802.3bs**

Standard for Ethernet Amendment: Media Access Control Parameters, Physical Layers, and Management Parameters for 400 Gb/s Operation

**Recommendation: Approve new PAR until December 2018**

**P802.11ax**

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 Amendment Enhancements for High Efficiency WLAN

**Recommendation: Approve new PAR until December 2018**

Jon Rosdahl recused for the consideration of P802.11ax.

**P802.15.3d**

Standard for Information Technology – Local and Metropolitan Area Networks – Specific Requirements – Part 15.3: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for High Rate Wireless Personal Area Networks (WPAN) Amendment for a 100 Gbps wireless switched point-to-point physical layer

**Recommendation: Approve new PAR until December 2018**

**P802.15.4r**

Standard for Local and Metropolitan Area Networks – Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs) Amendment for Radio-based Distance Measurement Techniques

**Recommendation: Approve new PAR until December 2018**

IEEE Computer Society/Microprocessor Standards Committee

**P1722.1-2013/Cor 1**

Standard for Device Discovery, Connection Management, and Control Protocol for IEEE 1722-Based Devices – Corrigendum 1: Technical and editorial corrections

**Recommendation: Approve new PAR until December 2018**

IEEE Computer Society/Standards Activities Board

**P3333.1.2**

Standard for the Perceptual Quality Assessment of Three Dimensional (3D) Contents based on Physiological Mechanisms

**Recommendation: Approve new PAR until December 2018**

**P3333.2.2**

Standard for Three-Dimensional (3D) Medical Visualization

**Recommendation: Approve new PAR until December 2018**

**P3333.2.3**

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

**Recommendation: Approve new PAR until December 2018**

**P3333.2.4**

Standard for Three-Dimensional (3D) Medical Simulation

**Recommendation: Approve new PAR until December 2018**

IEEE Computer Society/Voting Systems Standards Committee

**P1622.4**

Recommended Practice for Election Modeling

**Recommendation: Approve new PAR until December 2018**

**P1622.5**

Standard for Election Systems Usability and Accessibility

**Recommendation: Approve new PAR until December 2018**

IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee

**P1900.6-2011/Cor 1**

Standard for Spectrum Sensing Interfaces and Data Structures for Dynamic Spectrum Access and Other Advanced Radio Communication Systems – Corrigendum 1

**Recommendation: Defer consideration until June 2014**

There had been a motion to Approve P1900.6-2011/Cor 1 as a new PAR until December 2018; however, that motion was Tabled.

IEEE Communications Society/Standards Development Board

**P1904.2**

Standard for Management Channel for Customer-Premises Equipment Connected to Ethernet-Based Subscriber Access Networks

**Recommendation: Approve new PAR until December 2018**

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

**P11073-10404a**

Health Informatics – Personal Health Device Communication – Device Specialization – Pulse Oximeter Amendment



***Recommendation: Approve new PAR until December 2018***

**P11073-10407a**

Health Informatics – Personal Health Device Communication – Device Specialization – Blood Pressure Monitor Amendment

***Recommendation: Approve new PAR until December 2018***

**P11073-10408a**

Health Informatics – Personal Health Device Communication Part 10408: Device Specialization – Thermometer Amendment

***Recommendation: Approve new PAR until December 2018***

**P11073-10415a**

Health Informatics – Personal Health Device Communication – Device Specialization – Weighing Scale Amendment

***Recommendation: Approve new PAR until December 2018***

**P11073-10420a**

Health Informatics – Personal Health Device Communication Part 10420: Device Specialization – Body Composition Analyzer Amendment

***Recommendation: Approve new PAR until December 2018***

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

**P80005-3**

Utility Connections in Port – Part 3: Low Voltage Shore Connection (LVSC) Systems – General Requirements

***Recommendation: Defer consideration until June 2014***

Consideration of P80005-3 was deferred due to a lack of Sponsor replies to NesCom member comments.

**IEEE Industry Applications Society/Power Systems Protection**

**P2408**

Communications-Based Protection of Industrial and Commercial Power Systems

***Recommendation: Defer consideration until June 2014***

Consideration of P2408 was deferred due to a lack of Sponsor replies to NesCom member comments.

**IEEE Power and Energy Society/Nuclear Power Engineering**

**P2411**

Human Factors Engineering Guide for the Validation of System Designs and Integrated Systems Operations at Nuclear Facilities

**Recommendation: Approve new PAR until December 2018**

IEEE Power and Energy Society/Power System Relaying

**PC37.249**

Guide for Cyber Security of Protection Related Data Files

**Recommendation: Defer consideration until June 2014**

There had been a motion to Approve PC37.249 as a new PAR until December 2018; however, that motion was Tabled. The vote on the motion to Table was Yes=5; No=4; Abstain=1.

**PC37.250**

Guide for Engineering, Implementation, and Management of System Integrity Protection Schemes

**Recommendation: Approve new PAR until December 2018**

IEEE Power and Energy Society/Stationary Batteries Committee

**P1657a**

Recommended Practice for Personnel Qualifications for Installation and Maintenance of Stationary Batteries Amendment 1: Updated Safety Sections

**Recommendation: Approve new PAR until December 2018**

IEEE Power and Energy Society/Transmission and Distribution

**P977a**

Guide to Installation of Foundations for Transmission Line Structures Amendment

**Recommendation: Approve new PAR until December 2018**

**PC135.100**

Standard for Line Hardware for Overhead Line Construction

**Recommendation: Approve new PAR until December 2018**

IEEE Power and Energy Society/Transformers

**PC57.163**

Guide for Establishing Power Transformer Capability while under Geomagnetic Disturbances

**Recommendation: Approve new PAR until December 2018**

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

**P1791**

Recommended Practice for Terminology Used for Direct Current Electric Transit Overhead Contact Systems

***Recommendation: Approve new PAR until December 2018***

**P2406**

Standard for Design and Construction of Non-Load Break Disconnect Switches for Direct Current Applications on Transit Systems

***Recommendation: Approve new PAR until December 2018***

**4.4 PARs for the Revision of Standards**

IEEE Computer Society/LAN/MAN Standards Committee

**P802.22**

Standard for Information Technology – Local and Metropolitan Area Networks – Specific Requirements – Part 22: Cognitive Radio Wireless Regional Area Networks (WRAN) Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Policies and Procedures for Operation in the Bands that Allow Spectrum Sharing where the Communications Devices may Opportunistically Operate in the Spectrum of the Primary Service

***Recommendation: Approve PAR for the revision of a standard until December 2018***

The vote on the recommendation was Yes=9; No=1 (Rosdahl).

IEEE Communications Society/Power Line Communications

**P2030.5**

Standard for Smart Energy Profile Application Protocol

***Recommendation: Approve PAR for the revision of a standard until December 2018***

IEEE Electromagnetic Compatibility Society/Standards Development Committee

**P1302**

Guide for the Electromagnetic Characterization of Conductive Gaskets in the Frequency Range of DC to 40 GHz

***Recommendation: Approve PAR for the revision of a standard until December 2018***

IEEE Industry Applications Society/Petroleum & Chemical Industry

**P1068**

Standard for the Repair and Rewinding of AC Electric Motors in the Petroleum, Chemical, and Process Industries

**Recommendation: Approve PAR for the revision of a standard until December 2018**

As noted in item 2, the withdrawal request for P1068-2009/Cor 1 was considered at this time:

**P1068-2009/Cor 1**

IEEE Standard for the Repair and Rewinding of AC Electric Motors in the Petroleum, Chemical, and Process Industries – Corrigendum 1

**Recommendation: Approve PAR withdrawal**

IEEE Power and Energy Society/Energy Development & Power Generation

**P1010**

Guide for Control of Hydroelectric Power Plants

**Recommendation: Approve PAR for the revision of a standard until December 2018**

**P1248**

Guide for the Commissioning of Electrical Systems in Hydroelectric Power Plants

**Recommendation: Approve PAR for the revision of a standard until December 2018**

IEEE Power and Energy Society/Insulated Conductors

**P532**

Guide for Selecting and Testing Jackets for Power, Instrumentation, and Control Cables

**Recommendation: Approve PAR for the revision of a standard until December 2018**

**P1406**

Guide for the Use of Gas-in-Fluid Analysis for Paper and Laminated Paper-Polypropylene Insulated Cable Systems

**Recommendation: Approve PAR for the revision of a standard until December 2018**

IEEE Power and Energy Society/Power System Relaying

**PC37.91**

Guide for Protecting Power Transformers

**Recommendation: Approve PAR for the revision of a standard until December 2018**

**PC37.230**

Guide for Protective Relay Applications to Distribution Lines

**Recommendation: Approve PAR for the revision of a standard until December 2018**

IEEE Power and Energy Society/Stationary Batteries Committee

**P1491**

Recommended Practice for Battery Monitoring in Stationary Applications

**Recommendation: Approve PAR for the revision of a standard until December 2018**

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

**PC62.23**

Application Guide for Surge Protection of Electric Generating Plants

**Recommendation: Approve PAR for the revision of a standard until December 2018**

IEEE Power and Energy Society/Substations

**P605**

Guide for Bus Design in Air Insulated Substations

**Recommendation: Approve PAR for the revision of a standard until December 2018**

IEEE Power and Energy Society/Switchgear

**PC37.20.6**

Standard for 4.76 kV to 38 kV Rated Ground and Test Devices Used in Enclosures

**Recommendation: Approve PAR for the revision of a standard until December 2018**

**PC37.26**

Guide for Methods of Power-Factor Measurement for Low-Voltage (1000 V ac or lower) Inductive Test Circuits

**Recommendation: Approve PAR for the revision of a standard until December 2018**

IEEE Power and Energy Society/Transmission and Distribution

**P516**

Guide for Maintenance Methods on Energized Power Lines

**Recommendation: Approve PAR for the revision of a standard until December 2018**

**P1036**

Guide for the Application of Shunt Power Capacitors

**Recommendation: Conditionally Approve PAR for the revision of a standard until December 2018; conditional upon the title of IEEE 18-2012 being added to item 8.1 in the PAR.**

[The condition was satisfied on 26 March 2014.]

**P1250**

Guide for Identifying and Improving Voltage Quality in Power Systems

**Recommendation: Approve PAR for the revision of a standard until December 2018**

IEEE Power and Energy Society/Transformers

**PC57.15**

Standard Requirements, Terminology, and Test Code for Distribution Overhead and Substation Step-Voltage Regulators

**Recommendation: Approve PAR for the revision of a standard until December 2018**

IEEE-SASB Coordinating Committees/SCC21 – Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage

**P1547**

Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power Systems Interfaces

**Recommendation: Approve PAR for the revision of a standard until December 2018**

Jon Rosdahl presided as Chair during the discussion on P1547.

**5 OLD BUSINESS**

None.

**6 NEW BUSINESS**

**6.1 myProject Update – Boyce**

Christina Boyce, Senior Manager – Standards Solutions Services, reported on the efforts being undertaken by the IEEE-SA Standards Solutions Services group to modernize the myProject Suite [myProject, IMAT, and Mentor].

## **6.2 Update from SASB Ad Hoc on Sponsor Overlap – Janezic**

Mike Janezic, Chair of the SASB Ad Hoc on Sponsor Overlap, reported. Mike discussed some of the Ad Hoc's recommendations and then sought feedback from NesCom members in an effort to fine-tune the report prior to the 27 March SASB meeting.

## **6.3 Labeling of Standards – Stanculescu**

Alec Stanculescu briefly mentioned a concern in regards to document labeling, notably for superseded documents. Alec was informed that he should bring such concerns to the attention of ProCom.

***Action Item: Dave Ringle to contact Alec with information about ProCom and instructions to complete a ProCom Procedural Change Request Form.***

## **7 NEXT MEETING**

The next meeting of NesCom is scheduled to take place on 11 June 2014 in Piscataway, New Jersey, USA.

## **8 ADJOURNMENT**

There being no further business, the meeting was adjourned at 12:26 p.m.