

NesCom Meeting Minutes

20 August 2014

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

20 August 2014

China World Hotel, Beijing, PRC

8:00 a.m. – 10:30 a.m.

Members Present:

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

Hung Ling  
Ted Olsen  
Glenn Parsons  
Ron Petersen  
Gary Robinson  
Adrian Stephens  
Peter Sutherland  
Claire Topp  
Don Wright  
Xuejing Wu  
Dongmei Xu  
Song Yang  
Paul Zeineddin  
Y.T. Zhang

Members Absent:

Peter Balma  
Farooq Bari  
Kevin Lu  
Curtis Siller

Staff:

Kim Breitfelder  
Matt Ceglia  
Mary Ellen Hanntz  
Konstantinos Karachalios  
Karen Kenney  
Karen McCabe  
Adam Newman  
Dave Ringle  
Lisa Weisser, Administrator

Guests:

Clint Chaplin  
Bob Grow  
Gary Hoffman  
Jim Hughes  
Rich Hulett  
Bruce Kraemer  
John Kulick  
David Law  
Wolfgang Leetz  
Limin Lin

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

Chair Winston called the meeting to order at 8:00 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 Consent Agenda

### 2.1.1 Withdrawal Requests

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: Approve PAR withdrawal**

IEEE-SASB Coordinating Committees/SCC20 - Test and Diagnosis for Electronic Systems

#### **P1671.0**

Guide for the Use of Automatic Test Equipment Markup Language (ATML); the IEEE-1671 Family of Standards

**Recommendation: Approve PAR withdrawal**

## 3 APPROVAL OF MINUTES FROM THE 11 June 2014 MEETING

There was a motion to approve the June 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**

Recommended Practice for Three-Dimensional (3D) Medical Modelling

**Recommendation: Approve modified PAR**

IEEE Power and Energy Society/Switchgear

#### **PC37.20.1**

Standard for Metal-Enclosed Low Voltage (1000 Vac and Below, 3200 Vdc and Below) Power Circuit Breaker Switchgear

**Recommendation: Approve modified PAR**

IEEE Power and Energy Society/Transformers

**PC57.153**

Guide for Paralleling Regulating Transformers

**Recommendation: Approve modified PAR**

**4.2 Extension Requests**

IEEE Computer Society/Standards Activities Board

**P1680.4**

Standard for Environmental Assessment of Servers

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

IEEE Industry Applications Society/Technical Books Coordinating Committee

**P3001.2**

Recommended Practice for Evaluating the Electrical Service Requirements of Industrial and Commercial Power Systems

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

**P3001.9**

Recommended Practice for the Lighting of Industrial and Commercial Facilities

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

IEEE Instrumentation and Measurement Society/TC25 - Medical and Biological Measurements

**P1721**

Standard for Objective Measurement of Systemic Arterial Blood Pressure in Humans

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

IEEE Power and Energy Society/Substations

**P1818**

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

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

IEEE Power and Energy Society/Switchgear

**PC37.302**

Guide for Fault Current Limiter (FCL) Testing

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

IEEE Power and Energy Society/Transformers

**PC57.130**

Guide for the Use of Dissolved Gas Analysis Applied to Factory Temperature Rise Tests for the Evaluation of Mineral Oil-Immersed Transformers and Reactors

**Recommendation: Approve request for an extension until December 2015**

**PC57.637**

Guide for the Reclamation of Mineral Insulating Oil and Criteria for Its Use

**Recommendation: Approve request for an extension until December 2015**

IEEE-SASB Coordinating Committees/SCC20 - Test and Diagnosis for Electronic Systems

**P1671.1**

Standard for Automatic Test Markup Language (ATML) Test Description

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

**P1671.3**

Standard for Automatic Test Markup Language (ATML) Unit Under Test (UUT) Description

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

**4.3 New PARs**

IEEE Computer Society/Design Automation

**P2415**

Standard for Unified Hardware Abstraction and Layer for Energy Proportional Electronic Systems

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

**P2416**

Standard for Power Modeling to Enable System Level Analysis

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

IEEE Computer Society/Foundation for Intelligent Physical Agents

**P2409**

Trial Use Recommended Practice for Design Process Documentation Template (DPDT)

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

IEEE Computer Society/LAN/MAN Standards Committee

**P802.1AEcg**

Standard for Local and Metropolitan Area Networks: Media Access Control (MAC) Security Amendment: Ethernet Data Encryption Devices

***Recommendation: Approve new PAR until December 2018*****P802.1ARce**

Standard for Local and Metropolitan Area Networks - Secure Device Identity  
Amendment 1: SHA-384 and P-384 Elliptic Curve

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

**P802.3bw**

Standard for Ethernet Amendment Physical Layer Specifications and Management  
Parameters for 100 Mb/s Operation over a Single Balanced Twisted Pair Cable  
(100BASE-T1)

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

**P802.15.4s**

Standard for Low-Rate Wireless Networks: Amendment Enabling Spectrum  
Resource Measurement Capability

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

**P802.22.3**

Standard for Spectrum Characterization and Occupancy Sensing

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

**IEEE Computer Society/Voting Systems Standards Committee****P1622.6**

Recommended Practice for Voting Methods Mathematical Models

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

**IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee****P1900.6b**

Standard for Spectrum Sensing Interfaces and Data Structures for Dynamic  
Spectrum Access and other Advanced Radio Communication Systems Spectrum  
Database Interfaces Amendment

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

**IEEE Industry Applications Society/Power Systems Protection****P2408**

Guide for Communications-Based Protection of Industrial and Commercial Power  
Systems

***Recommendation: Conditionally approve new PAR until December 2018;  
contingent upon supplying the name of the standards/protocols identified  
in 5.2 and 5.5, and including the full titles of those standards/protocols in  
section 8.1.***

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

**P61158**

Standard for Industrial Hard Real-Time Communication

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

IEEE Power and Energy Society/Insulated Conductors

**P2412**

Standard Test for Determining Circuit Integrity Performance of Fire Resistive Cable Systems in Passenger Rail and Road Tunnels

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

IEEE Power and Energy Society/Nuclear Power Engineering

**P62582-2-am1**

Nuclear Power Plants - Instrumentation and Control Important to Safety - Electrical Equipment Condition Monitoring Methods - Part 2: Indenter Modulus Amendment 1

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

IEEE Power and Energy Society/Switchgear

**PC37.20.9**

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

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

**Motion: Move to acknowledge that NesCom reviewed the JSA between PES/Switchgear and PES/Substations. It is noted that clause 3 has additional text that NesCom finds acceptable. Upon vote, the motion passed.**

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

**P1653.1**

Standard for Traction Power Transformers for Substation Applications up to 1500 Volts DC Nominal Output

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

**4.4 PARs for the Revision of Standards**

IEEE Computer Society/Microprocessor Standards Committee

**P1722**

Standard for a Transport Protocol for Time Sensitive Applications in a Bridged Local Area Network

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

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

**P21451-2**

ISO/IEC/IEEE Standard for Information Technology - Smart Transducer Interface for Sensors and Actuators - Part 2: Serial Point-to-Point Interface

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

IEEE Power and Energy Society/Energy Development & Power Generation

**P1147**

Guide for the Rehabilitation of Hydroelectric Power Plants

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

IEEE Power and Energy Society/Stationary Batteries Committee

**P1578**

Recommended Practice for Stationary Battery Electrolyte Spill Containment and Management

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

IEEE Power and Energy Society/Switchgear

**PC37.30.1**

Standard Requirements for AC High-Voltage Air Switches Rated Above 1000 V

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

**PC37.59**

Standard Requirements for Conversion of Power Switchgear Equipment

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

**PC37.81**

Guide for Seismic Qualification of Class 1E Metal-Enclosed Power Switchgear Assemblies

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

**PC37.82**

Standard for the Qualification of Switchgear Assemblies for Class 1E Applications in Nuclear Power Generating Stations

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

IEEE Power and Energy Society/Transmission and Distribution

**P1159.3**

Recommended Practice for Power Quality Data Interchange Format (PQDIF)

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

IEEE Power and Energy Society/Transformers

**PC57.12.23**

Standard for Submersible Single-Phase Transformers: 250 kVA and Smaller; High Voltage 34 500 GrdY/19 920 V and Below; Low Voltage 600 V and Below

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

**PC57.12.51**

Standard for Ventilated Dry-Type Power Transformers, 501 kVA and Larger, Three-Phase, with High-Voltage 601 V to 34 500 V; Low-Voltage 208Y/120 V to 4160 V-General Requirements

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

**PC57.21**

Standard Requirements, Terminology, and Test Code for Shunt Reactors Rated Over 500 kVA

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

**5 OLD BUSINESS**

**5.1 Ad Hoc to review Joint Sponsorship Agreement template instructional text**

Peter Balma, Chair of this Ad Hoc, was unable to attend this NesCom meeting, and in his absence, Matt Ceglia reported on the Ad Hoc's work. The Ad Hoc members include Matt, Karen Evangelista, Jonathan Goldberg, Mike Kipness, Dave Ringle, Erin Spiewak, and Lisa Weisser. Discussions about the instructional text led to additional discussions about sections within the Joint Sponsorship Agreement (JSA) template, and the group expanded its work to make suggested edits to these sections. Additional text that may be incorporated was discussed at the meeting during the review of the JSA for P37.20.9. It is anticipated that the Ad Hoc will present recommendations at the December NesCom meeting.

**6 NEW BUSINESS**



There was no new business.

**7 NEXT MEETING**

The next meeting of NesCom will be the Continuous Processing Teleconference on 9 October 2014 at 10:00 a.m. ET, with a submittal deadline of 22 August 2014. The next in-person meeting will take place on 9 December 2014 in Piscataway, New Jersey, USA. The submittal deadline is 20 October 2014.

**8 ADJOURNMENT**

There being no further business, the meeting was adjourned at 10:41 a.m.