

IEEE-SA Standards Board Meeting Minutes – December 2015

**IEEE-SA Standards Board  
Meeting Minutes  
05 December 2015  
IEEE Operations Center, Piscataway, New Jersey, USA**

**Attendees**

**Chair:**

John Kulick

**Vice Chair:**

Jon Rosdahl

**Past Chair:**

Rich Hulett

**Secretary:**

Konstantinos Karachalios

**Members:**

Masayuki Ariyoshi

Ted Burse

Stephen Dukes [TAB Rep.]

Jean-Philippe Faure

Travis Griffith

Gary Hoffman

Michael Janezic

David Law

Hung Ling

Andrew Myles

Ted Olsen

Glenn Parsons

Ron Petersen

Annette Reilly

Steve Shellhammer

Adrian Stephens

Yatin Trivedi

Philip Winston

Don Wright

## IEEE-SA Standards Board Meeting Minutes – December 2015

Yu Yuan  
Daidi Zhong

Thomas Koshy, NRC Liaison  
Jim Matthews, IEC Liaison

### **Members Absent:**

Joe Koepfinger, Member Emeritus  
Dick DeBlasio, DOE Liaison

### **IEEE Staff:**

Melissa Aranzamendez  
Kathryn Bennett  
Christina Boyce  
Matthew Ceglia  
Tom Compton  
Christian DeFelice  
Karen Evangelista  
Jonathan Goldberg  
Mary Ellen Hanntz  
Yvette Ho Sang  
Noelle Humenick  
Karen Kenney  
Michael Kipness  
Adam Newman  
Mary Lynne Nielsen  
Maira Patterson  
Walter Pienciak  
Dave Ringle, Recording Secretary  
Rudi Schubert  
Sam Sciacca  
Patrick Slaats  
Walter Sun  
Susan Tatiner  
Cherry Tom  
Lisa Weisser  
Meng Zhao

### **IEEE Outside Legal Counsel:**

Claire Topp

### **Guests:**

Chuck Adams  
Dennis Brophy  
Dave Djavaherian

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James Gilb  
Scott Gilfillan  
Daniel Hermele  
Bruce Kraemer  
Xiaohui Liu  
Kevin Lu  
John Messenger  
Gil Ohana  
Mehmet Ulema, ComSoc Liaison to the SASB  
Neil Vohra  
Walter Weigel  
Yingli Wen  
Phil Wennblom  
Howard Wolfman  
Helene Workman  
Paul Zeineddin

### 1 Call to Order

Chair Kulick called the meeting to order at 9:00 a.m.

There was a round of introductions by all present.

### 2 Agenda

2.1 Approval of [Agenda](#)

**There was a motion to approve the agenda.**

**P1914.1 (NesCom Recommendations) was removed from the Consent Agenda. The updated agenda was unanimously approved.**

2.2 Consent Agenda

2.2.1 Approval of 03 September 2015 SASB Meeting [Minutes](#)

2.2.2 AudCom Recommendations

Accepted (standards work authorized):

- APS/P Antennas and Propagation Society/Propagation
- C/SI Computer Society/Simulation Interoperability Stds Organization/StdsActivity Committee
- IM/HFM Instrumentation and Measurement Society/High Frequency Measurement
- IM/ST Instrumentation and Measurement Society/Sensor Technology

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- UFFC/UFFC Ultrasonics, Ferroelectrics and Frequency Control Society/Ultrasonics, Ferroelectrics and Frequency Control

Extension request accepted (standards work authorized):

- IM/MPS Instrumentation and Measurement Society/Measurements in Power Systems  
(Deadline to submit the P&Ps: By 22 January 2016)

### 2.2.3 ICom Recommendations

New Industry Connections Activity Approvals:

#### **IC15-004-01 3D Body Processing**

ICAID: <https://iee-sa.imeetcentral.com/p/eAAAAAAAHjKRAAAACGx2gs>

**Recommendation: Approve**

#### **IC15-005-01 Next Generation Enterprise/Campus/Data Center Ethernet**

ICAID: <https://iee-sa.imeetcentral.com/p/eAAAAAAAHrZAAAAGUSuAQ>

**Recommendation: Approve**

Changes to:

ICom OpsMan

<https://iee-sa.imeetcentral.com/p/eAAAAAAAHmhTAAAABELbjs>

**Recommendation: Approve**

Entity baseline P&P

<https://iee-sa.centraldesktop.com/p/eAAAAAAAG853AAAABaYVx4>

**Recommendation: Approve**

ICAID Form

<https://iee-sa.imeetcentral.com/p/eAAAAAAAHqvPAAAADFLDt0>

**Recommendation: Approve**

Terminated ICAIDs:

**IC12-001** Standardization & Innovation in IT (SIIT) Conference

**IC13-003** Convergence of Smart Home and Building Architectures

**IC13-006** Cloud Computing Innovation Council of India

**IC14-002** Surgical Robotics

2.2.4 NesCom Recommendations

Modified PARs

IEEE-SA Board of Governors/Corporate Advisory Group

**P1834**

Technology Supervision Code for Wind Turbine Rotor Systems

***Recommendation: Approve modified PAR***

IEEE Computer Society/LAN/MAN Standards Committee

**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 Gb/s Wireless Switched Point-to-Point Physical Layer

***Recommendation: Approve modified PAR***

IEEE Communications Society/Standards Development Board

**P1912**

Standard for Privacy and Security Architecture for Consumer Wireless Devices

***Recommendation: Approve modified PAR***

IEEE Power and Energy Society/Power System Relaying

**PC37.238**

Standard Profile for Use of IEEE 1588 Precision Time Protocol in Power System Applications

***Recommendation: Approve modified PAR***

Extension Requests

IEEE Computer Society/Learning Technology

**P1484.13.4**

Recommended Practice for Learning Technology – IMS Content Packaging Information Model (CP) Version 1.2 – Mapping to the Conceptual Model for Resource Aggregation

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

IEEE Computer Society/Test Technology

**P1804**

Standard for Fault Accounting and Coverage Reporting to Digital Modules (FACR)

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

**P1838**

Standard for Test Access Architecture for Three-Dimensional Stacked Integrated Circuits

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

IEEE Communications Society/Standards Development Board

**P1903.1**

Standard for Content Delivery Protocols of Next Generation Service Overlay Network (NGSON)

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

**P1903.2**

Standard for Service Composition Protocols of Next Generation Service Overlay Network (NGSON)

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

**P1903.3**

Standard for Self-Organizing Management Protocols of Next Generation Service Overlay Network (NGSON)

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

**P1907.1**

Standard for Network-Adaptive Quality of Experience (QoE) Management Scheme for Real-Time Mobile Video Communications

***Recommendation: Disapprove request for an extension***

**P1908.1**

Virtual Keyboard Standard for Indic Languages

***Recommendation: Conditionally approve request for an extension until 2017; contingent upon placing text from comment 3.1 in dialog into section 2 on the PAR***

IEEE Industry Applications Society/Petroleum & Chemical Industry

**P1814**

Recommended Practice for Electrical System Design Techniques to Improve Electrical Safety

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

**P80005-2**

Cold Ironing Part 2: High Voltage Shore Connection (HVSC) Systems – Communication Interface Description

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

IEEE Industry Applications Society/Technical Books Coordinating Committee

**P3001.11**

Recommended Practice for Application of Controllers and Automation to Industrial and Commercial Power Systems

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

**P3002.2**

Recommended Practice for Conducting Load-Flow Studies of Industrial and Commercial Power Systems

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

**P3002.3**

Recommended Practice for Conducting Short-Circuit Studies of Industrial and Commercial Power Systems

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

**P3002.7**

Recommended Practice for Conducting Motor-Starting Studies in Industrial and Commercial Power Systems

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

**P3002.8**

Recommended Practice for Conducting Harmonic-Analysis Studies of Industrial and Commercial Power Systems

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

**P3004.7**

Recommended Practice for the Protection of Power Cables and Busway Used in Industrial and Commercial Power Systems

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

**P3004.9**

Recommended Practice for the Protection of Power Transformers Used in Industrial and Commercial Power Systems

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

**P3004.13**

Recommended Practice for Overcurrent Coordination in Industrial and Commercial Power Systems

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

IEEE Instrumentation and Measurement Society/TC4 – High Frequency Measurement

**P287.1**

Standard for Precision Coaxial Connectors at RF, Microwave, and Millimeter-Wave Frequencies

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

IEEE Microwave Theory and Techniques Society/Standards Coordinating Committee

**P1549-2011/Cor 1**

IEEE Standard for Microwave Filter Definitions – Corrigendum 1

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

IEEE Power and Energy Society/Energy Development & Power Generation

**P421.5**

Recommended Practice for Excitation System Models for Power System Stability Studies

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

IEEE Power and Energy Society/Electric Machinery

**P112**

Standard Test Procedure for Polyphase Induction Motors and Generators

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

IEEE Power and Energy Society/Insulated Conductors

**P386**

Standard for Separable Insulated Connector Systems for Power Distribution Systems rated 2.5 kV through 35 kV

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

**PC62.22.1**

Guide for the Connection of Surge Arresters to Protect Insulated Shielded Electric Power Cable Systems Up to 46 kV

**Recommendation: Conditionally approve request for an extension until December 2016; contingent upon moving the acronym definition from section 8.1 into section 2 on the PAR**

IEEE Power and Energy Society/Power System Relaying

**PC37.113**

Guide for Protective Relay Applications to Transmission Lines

**Recommendation: Disapprove request for an extension because the project was recommended for approval by RevCom**

IEEE Power and Energy Society/Stationary Batteries Committee



**P946**

Recommended Practice for the Design of DC Power Systems for Stationary Applications  
**Recommendation: Approve request for an extension until December 2017**

**P1679.1**

Guide for the Characterization and Evaluation of Lithium-Based Batteries in Stationary Applications

**Recommendation: Defer request for an extension until the next NesCom meeting with a request that more information is provided in section 2 on the PAR**

**P1679.2**

Guide for the Characterization and Evaluation of Sodium-Based Batteries in Stationary Applications

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

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

**PC62.33**

Standard for Test Methods and Performance Values of Metal-Oxide Varistor Surge Protective Components

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

IEEE Power and Energy Society/Substations

**P1268**

Guide for Safety in the Installation of Mobile Substation Equipment

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

**P1427**

Guide for Recommended Electrical Clearances and Insulation Levels in Air Insulated Electrical Power Substations

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

**P1815.1** Standard for Exchanging Information between Networks Implementing IEC 61850 and IEEE Std 1815 (Distributed Network Protocol – DNP3)

**Recommendation: Disapprove request for an extension because the project was recommended for approval by RevCom**

IEEE Power and Energy Society/Switchgear

**PC37.06.1**

Recommended Practice for Preferred Ratings for High-Voltage (>1000 volts) AC Circuit Breakers Designated Definite Purpose for Fast Transient Recovery Voltage Rise Times

***Recommendation: Defer request for an extension until the next NesCom meeting with a request to clarify section 2 on the PAR***

**PC37.10.1**

Guide for the Selection of Monitoring for Circuit Breakers

***Recommendation: Disapprove request for an extension***

**PC37.20.7**

Guide for Testing Switchgear Rated 38 kV or Below for Internal Arcing Faults

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

IEEE Power and Energy Society/Transmission and Distribution

**P751**

Guide for Design of Wood Transmission Structures

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

IEEE Power and Energy Society/Transformers

**PC57.12.24**

Standard for Submersible, Three-Phase Transformers, 3750 kVA and Smaller: High Voltage, 34 500 GrdY/19 920 Volts and Below; Low Voltage, 600 Volts and Below

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

**PC57.12.36**

Standard Requirements for Liquid-Immersed Distribution Substation Transformers

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

**PC57.19.04**

Standard Performance Characteristics and Dimensions for High Current Power Transformer Bushings with Rated Continuous Current in Excess of 5000 A in Bus Enclosures

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

**PC57.156**

Guide for Tank Rupture Mitigation of Liquid-Immersed Power Transformers and Reactors

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

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

**P62704-1**

Standard for Determining the Peak Spatial Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz – 6 GHz Part 1: General

Requirements for Using the Finite Difference Time Domain (FDTD) Method for SAR Calculations

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

**P62704-2**

Standard for Determining the Peak Spatial Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz – 6 GHz Part 2: Specific Requirements for Finite Difference Time Domain (FDTD) Modelling of Exposure from Vehicle Mounted Antennas

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

**P62704-3**

Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz – 6 GHz Part 3: Specific Requirements for Using the Finite Difference Time Domain (FDTD) Method for SAR Calculations of Mobile Phones

***Recommendation: Conditionally approve request for an extension until December 2017; contingent upon changing the wording in section 2 on the PAR from interlab study to interlaboratory comparison***

**P62704-4**

Standard for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz – 6 GHz: General Requirements for Using the Finite Element Method (FEM) for SAR Calculations and Specific Requirements for Modeling Vehicle-Mounted Antennas and Personal Wireless Devices

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

NEW PARs

IEEE Computer Society/LAN/MAN Standards Committee

**P802.3ca**

Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for 25 Gb/s, 50 Gb/s, and 100 Gb/s Passive Optical Networks

***Recommendation: Approve new PAR until December 2019***

**P802.3cb**

Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for 2.5 Gb/s and 5 Gb/s Operation over Backplane and Copper Cables

***Recommendation: Approve new PAR until December 2019***

**P802.15.4t**

Standard for Local and Metropolitan Area Networks – Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs) Amendment for a Higher Rate Physical (PHY) Layer

***Recommendation: Conditionally approve new PAR until December 2019; contingent upon adding (2 Mb/s) after Higher Rate in the title***

**P802.15.4u**

Standard for Local and Metropolitan Area Networks – Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs) Amendment for Use of the 865-867 MHz Band in India

***Recommendation: Approve new PAR until December 2019***

**P802d**

Standard for Local and Metropolitan Area Networks: Overview and Architecture Amendment: Uniform Resource Names (URN) Namespace

***Recommendation: Approve new PAR until December 2019***

IEEE Computer Society/Standards Activities Board

**P1857.8**

Standard for 2nd Generation Audio Coding

***Recommendation: Approve new PAR until December 2019***

**P1857.9**

Standard for Immersive Visual Content Coding

***Recommendation: Approve new PAR until December 2019***

IEEE Communications Society/Standards Development Board

~~**P1914.1**~~

~~Standard for Packet-Based Fronthaul Transport Networks~~

~~***Recommendation: Defer new PAR until the next NesCom meeting. Guidance will be provided by NesCom members and staff.***~~

~~This item was removed from the consent agenda. See item 2.3.~~

**P1915.1**

Standard for Software Defined Networking and Network Function Virtualization Security

***Recommendation: Approve new PAR until December 2019***

**P1916.1**

Standard for Software Defined Networking and Network Function Virtualization Performance

***Recommendation: Approve new PAR until December 2019***

**P1917.1**

Standard for Software Defined Networking and Network Function Virtualization Reliability

***Recommendation: Approve new PAR until December 2019***

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

**P11073-10101b**

Health Informatics – Point-of-Care Medical Device Communication – Part 10101:  
Nomenclature Amendment 2: Additional definitions

***Recommendation: Approve new PAR until December 2019***

**P11073-10103a**

Health Informatics – Point-of-Care Medical Device Communication Part 10103:  
Nomenclature – Implantable Device, Cardiac Amendment 1: Additional definitions

***Recommendation: Approve new PAR until December 2019***

IEEE Electromagnetic Compatibility Society/Standards Development Committee

**P1848** Techniques & Measures to Manage Risks with Regard to Electromagnetic  
Disturbances

***Recommendation: Defer new PAR until the next NesCom meeting with request  
to edit sections 7 and 8 on the PAR***

IEEE Power and Energy Society/Nuclear Power Engineering

**P62582-6**

Nuclear Power Plants – Instrumentation and Control Important to Safety – Electrical  
Equipment Condition Monitoring Methods Part 6: Insulation Resistance

***Recommendation: Approve new PAR until December 2019***

IEEE Power and Energy Society/Switchgear

**PC37.100.5**

Common Definitions for Switchgear

***Recommendation: Approve new PAR until December 2019***

PARs for the Revision of Standards

IEEE Antennas and Propagation Society/Antennas

**P149**

Recommended Practice for Antenna Measurements

***Recommendation: Approve PAR for the revision of a standard until December  
2019***

**P1502**

Recommended Practice for Radar Cross-Section Test Procedures

***Recommendation: Approve PAR for the revision of a standard until December  
2019***

IEEE Antennas and Propagation Society/Propagation

**P211**

Standard Definitions of Terms for Radio Wave Propagation

**Recommendation: Approve PAR for the revision of a standard until December 2019**

IEEE Computer Society/Microprocessor Standards Committee

**P1722.1**

Standard for Device Discovery, Connection Management, and Control Protocol for Time-Sensitive Networking Systems

**Recommendation: Approve PAR for the revision of a standard until December 2019**

IEEE Electromagnetic Compatibility Society/Standards Development Committee

**P1597.1**

Standard for Validation of Computational Electromagnetics Computer Modeling and Simulations

**Recommendation: Approve PAR for the revision of a standard until December 2019**

IEEE Industry Applications Society/Petroleum & Chemical Industry

**P515**

Standard for the Testing, Design, Installation, and Maintenance of Electrical Resistance Trace Heating for Industrial Applications

**Recommendation: Approve PAR for the revision of a standard until December 2019**

IEEE Power and Energy Society/Electric Machinery

**P115**

Guide for Test Procedures for Synchronous Machines Part I – Acceptance and Performance Testing Part II – Test Procedures and Parameter Determination for Dynamic Analysis

**Recommendation: Approve PAR for the revision of a standard until December 2019**

IEEE Power and Energy Society/Insulated Conductors

**P1617**

Guide for Assessment, Mitigation, and Control of Corrosion of Metallic Shields in Extruded Dielectric Cables rated 5 kV to 46 kV

***Recommendation: Approve PAR for the revision of a standard until December 2019***

IEEE Power and Energy Society/Power System Relaying

**PC37.108**

Guide for the Protection of Secondary Network Systems

***Recommendation: Approve PAR for the revision of a standard until December 2019***

**PC37.233**

Guide for Power System Protection Testing

***Recommendation: Approve PAR for the revision of a standard until December 2019***

IEEE Power and Energy Society/Switchgear

**PC37.24**

Guide for Evaluating the Effect of Solar Radiation on Outdoor Metal-Enclosed Switchgear

***Recommendation: Approve PAR for the revision of a standard until December 2019***

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

**P1505.1**

Standard for the Common Test Interface Pin Map Configuration for High-Density, Single-Tier Electronics Test Requirements Utilizing IEEE Std 1505

***Recommendation: Approve PAR for the revision of a standard until December 2019***

**P1636**

Standard for Software Interface for Maintenance Information Collection and Analysis (SIMICA)

***Recommendation: Approve PAR for the revision of a standard until December 2019***

Administrative Withdrawals

**P1619 (C/IA)**

Standard for Cryptographic Protection of Data on Block-Oriented Storage Devices (Revision PAR)

**P25010 (C/S2ESC)**

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Standard – Adoption of ISO/IEC 25010-2010 Systems and Software Engineering – Systems and Software Quality Requirements and Evaluation (SQuaRE) – System and Software Quality Models  
(New PAR)

**P1822** (EMB/Std Com)

Standard for Digital Microscope Analyzer, Whole Slide Image Scanner and Digital Microscope  
(New PAR)

**P1580.1** (IAS/PCI)

Recommended Practice for Insulated Bus Pipe for Use on Shipboard and Fixed or Floating Platforms  
(New PAR)

**P1595** (PE/ED&PG)

Standard for Designating and Quantifying Green Energy Projects in the Electricity Sector  
(New PAR)

**P1254** (PE/IC)

Guide for Soil Thermal Stability  
(New PAR)

**P692a** (PE/NPE)

Standard Criteria for Security Systems for Nuclear Power Generating Stations  
Amendment a: Alignment with Recent Industry Security Approach Changes  
(Amendment PAR)

**PC93.3** (PE/PSC)

Standard for the Requirements for Power-Line Carrier Line Traps (30-500 kHz)  
(New PAR)

**P1562** (SASB/SCC21)

Guide for Array and Battery Sizing in Stand-Alone Photovoltaic (PV) Systems  
(Revision PAR)

**P2030.1** (SASB/SCC40)

Guide for Electric-Sourced Transportation Infrastructure  
(New PAR)

**P1833** (VT/RTSC)

Guide for the Design of Direct Current Overhead Contact Systems for Transit Systems  
(New PAR)

### 2.2.5 RevCom Recommendations



**NEW**

**P802.1AS-2011/Cor 2/Draft 3.0** (C/LM) IEEE Draft Standard for Local and Metropolitan Area Networks – Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks – Corrigendum 2: Technical and Editorial Corrections

Recommendation: APPROVE

**P802.1Q-2014/Cor 1/Draft D1.1**(C/LM) IEEE Draft Standard for Local and Metropolitan Area Networks – Bridges and Bridged Networks – Corrigendum 1: Technical and Editorial Corrections

Recommendation: APPROVE

**P802.1Qbv/Draft D3.1**(C/LM) IEEE Draft Standard for Local and Metropolitan Area Networks – Media Access Control (MAC) Bridges and Virtual Bridged Local Area Networks Amendment: Enhancements for Scheduled Traffic

Recommendation: APPROVE

**P1673/Draft 4** (IAS/PCI) IEEE Draft Standard for Requirements for Conduit and Cable Seals for Field Connected Wiring to Equipment in Petroleum and Chemical Industry Exposed to Pressures above Atmospheric (1.5 kilopascals, 0.22 psi)

Recommendation: APPROVE

**P1815.1/Draft 8** (PE/SUB) IEEE Draft Standard for Exchanging Information between Networks Implementing IEC 61850 and IEEE Std 1815 (Distributed Network Protocol – DNP3)

Recommendation: APPROVE

**P1844/Draft 2** (PE/IC) IEEE Draft Standard Test Procedure for Determining Circuit Integrity Performance of Fire Resistive Cables Systems in Nuclear Facilities

Recommendation: APPROVE

**P1857.5/Draft 3** (C/SAB) IEEE Draft Standard for Advanced Mobile Speech and Audio

Recommendation: APPROVE

**P1900.6-2011/Cor 1/Draft D3** (COM/DySPAN-SC) IEEE Draft Standard for Spectrum Sensing Interfaces and Data Structures for Dynamic Spectrum Access and Other Advanced Radio Communication Systems – Corrigendum 1

Recommendation: APPROVE

**P1900.7/Draft P1900.7/D8** (COM/DySPAN-SC) IEEE Draft Standard for Radio Interface for White Space Dynamic Spectrum Access Radio Systems Supporting Fixed and Mobile Operation

Recommendation: APPROVE

**P1906.1/Draft 2.1** (COM/SDB) IEEE Draft Recommended Practice for Nanoscale and Molecular Communication Framework

Recommendation: APPROVE

**P11073-10101a/Draft 5** (EMB/11073) IEEE Draft Standard for Health Informatics – Point-of-Care Medical Device Communication – Nomenclature Amendment 1: Additional Definitions

Recommendation: APPROVE

**PC37.302/Draft 4** (PE/SWG) IEEE Draft Guide for Fault Current Limiter (FCL) Testing FCLs Rated above 1000 V AC

Recommendation: APPROVE

## REVISION

**P117/Draft 12** (PE/EM) IEEE Draft Standard Test Procedure for Thermal Evaluation of Systems of Insulating Materials for Random-Wound AC Electric Machinery

Recommendation: APPROVE

**P802.15.4/Draft P802.15.4-Revc-D01** (C/LM) IEEE Draft Standard for Low-Rate Wireless Personal Area Networks (WPANs)

Recommendation: APPROVE

**P1062/Draft 3** (C/S2ESC) IEEE Draft Recommended Practice for Software Acquisition

Recommendation: APPROVE

**P1068/Draft 4** (IAS/PCI) IEEE Draft Standard for the Repair and Rewinding of AC Electric Motors in the Petroleum, Chemical, and Process Industries

Recommendation: APPROVE

**P1149.6/Draft IEEE P1149.6/D7.5** (C/TT) IEEE Draft Standard for Boundary-Scan Testing of Advanced Digital Networks

Recommendation: APPROVE

**P1801/Draft 9** (C/DA) IEEE Draft Standard for Design and Verification of Low Power, Energy Aware Electronic Systems

Recommendation: APPROVE

**PC37.13/Draft D12.2** (PE/SWG) IEEE Draft Standard for Low-Voltage AC Power Circuit Breakers Used in Enclosures

Recommendation: APPROVE

**PC37.23/Draft D8.1** (PE/SWG) IEEE Draft Standard for Metal-Enclosed Bus

Recommendation: APPROVE

**PC37.27/Draft 5** (PE/SWG) IEEE Draft Application Guide for Low-Voltage AC (635 V and Below) Power Circuit Breakers Applied with Separately-Mounted Current-Limiting Fuses

Recommendation: APPROVE

**PC37.113/Draft 8.1** (PE/PSR) IEEE Draft Guide for Protective Relay Applications to Transmission Lines

Recommendation: APPROVE

**PC57.12.00/Draft 2.3** (PE/TR) IEEE Draft Standard for General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers

Recommendation: APPROVE

**PC57.12.90/Draft 10.6** (PE/TR) IEEE Draft Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers

Recommendation: APPROVE

**PC57.32/Draft PC57.32D16.3** (PE/TR) IEEE Draft Standard Requirements, Terminology, and Test Procedures for Neutral Grounding Devices

Recommendation: APPROVE

**PC57.94/Draft 11** (PE/TR) IEEE Draft Recommended Practice for Installation, Application, Operation, and Maintenance of Dry-Type Distribution and Power Transformers

Recommendation: APPROVE

**PC57.106/Draft 4.11** (PE/TR) IEEE Draft Guide for Acceptance and Maintenance of Insulating Mineral Oil in Electrical Equipment

Recommendation: APPROVE

**PC57.139/Draft 7** (PE/TR) IEEE Draft Guide for Dissolved Gas Analysis in Transformer Load Tap Changers

Recommendation: APPROVE

2.3 P1914.1

**NesCom recommendation:**

IEEE Communications Society/Standards Development Board

**P1914.1**

Standard for Packet-based Fronthaul Transport Networks

***Recommendation: Defer new PAR until the next NesCom meeting.***

***Guidance will be provided by NesCom members and staff. (7 in favor, 1 opposed, 1 abstain)***

There was some discussion on possible updates to PAR section 7.1.

There was a motion to Call the Question. The motion was approved.

**The motion on the Table (per the NesCom recommendation) was to Defer. The motion was approved [Vote: Yes=15; No=7; Abstain=1].**

### **3 Legal Update**

Claire Topp, outside counsel to IEEE, noted that there was a recent patent case (CSIRO v Cisco). Relevant information will be provided to PatCom in the future.

#### 4 IEEE-SA Managing Director's [Report](#)

Konstantinos Karachalios, IEEE-SA Managing Director, reported.

Konstantinos acknowledged Chair Kulick's service as SASB Chair [2013-2015]. A gift was given in appreciation.

#### 5 SASB Standing Committee Reports

##### 5.1 Audit Committee ([AudCom](#))

Jean-Philippe Faure, AudCom Chair, reported.

##### **Motion (from AudCom) for SASB approval:**

**Move that the P&Ps submitted for AudCom review on or after the 1<sup>st</sup> of March 2016 shall use the 2015 baselines. P&Ps submitted after the publication of the 2015 baselines and before the 1<sup>st</sup> of March 2016 can either use the 2013 or 2015 baselines.**

**The motion was unanimously approved.**

##### 5.2 Industry Connections Committee ([ICCom](#))

Yatin Trivedi, ICCom Chair, reported.

##### 5.3 New Standards Committee ([NesCom](#))

Philip Winston, NesCom Chair, reported.

Philip thanked Lisa Weisser for an outstanding job in administering the December NesCom meeting.

##### 5.4 Patent Committee ([PatCom](#))

David Law, PatCom Chair, reported.

##### 5.5 Procedures Committee ([ProCom](#))

Jon Rosdahl, ProCom Chair, reported.

**There was a motion to delay implementation of changes to SASB OpMan section 6.1.3.1:**

**Whereas the changes to 6.1.3.1 included adding new sections 6.1.3.2 and 6.1.3.3 which were approved in September have been noted to have issues that need to be resolved,**

**Move to withhold the publication of the changes to 6.1.3.1 and the new sections 6.1.3.2 and 6.1.3.3 from the January 2016 publication of the SASB OpMan until further discussion and resolution can be determined. The motion was unanimously approved.**

5.6 Standards Review Committee ([RevCom](#))

Ted Burse, RevCom Chair, reported.

Ted thanked the RevCom members for all of their work, and the Board gave a round of applause. Ted stated that the myProject system has greatly facilitated RevCom's submittal review processes.

## **6 Standards Coordinating Committee Reports**

6.1 SCC Coordinator's [Report](#)

Yu Yuan, SCC Coordinator, reported.

Yu stated that the SASB should consider creating an SCC annual report template.

There was no objection from the Board to having Yu contact SCC40 and SCC14 with the Board's concerns.

**There was a motion to Accept the submitted reports from SCC21, SCC31, SCC39, and SCC42.**

**The motion was unanimously approved.**

6.2 Scheduled Reports Due in December:

6.2.1 [SCC21](#) – Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage (Tom Basso)

6.2.2 [SCC31](#) – Automatic Meter Reading and Energy Management (Lawrence Kotewa)

6.2.3 [SCC39](#) – International Committee on Electromagnetic Safety (Ralf Bodemann)

6.2.4 [SCC42](#) – Transportation (Yu Yuan)

## **7 Liaison Reports**

7.1 DOE Report

None

7.2 IEC [Report](#)

Jim Matthews, IEC Liaison, reported.

7.3 NIST [Report](#)

Michael Janezic, NIST Liaison, reported.

**8 Informational Reports**

8.1 CAG [Report](#)

Glenn Parsons, CAG Liaison, reported.

8.2 IEEE-SA President's [Report](#)

IEEE-SA President Kraemer reported.

Konstantinos thanked IEEE-SA President Kraemer for his efforts as an ambassador for the IEEE/IEEE-SA.

8.3 SASB Chair's [Report](#)

Chair Kulick reported.

Chair Kulick thanked Thomas Koshy for his participation in outreach in Vienna with IAEA.

Chair Kulick thanked AudCom for its work in updating the baseline P&Ps.

The Board congratulated Jim Matthews with a round of applause for being the recipient of the ANSI Elihu Thomson Electrotechnology Medal.

Chair Kulick thanked Dave Ringle for his assistance to the SASB as the Board Administrator.

Chair Kulick reported that the BOG had appointed Jean-Philippe Faure as the 2016 SASB Chair. The Board congratulated Jean-Philippe with a round of applause.

**9 Old Business**

9.1 [Report](#) from the Ad Hoc on General Principles that Form the Basis for New Project Initiation

Andrew Myles, Ad Hoc Chair, reported.

During discussion it was noted that perhaps NesCom could explore a 'Role of NesCom' document.

The ad hoc was disbanded with thanks, especially to Andrew for initiating the discussion and chairing the group.

9.2 [Report](#) on Tokyo Outreach

Walter Sun reported.

9.3 Update on LMSC Financial Reporting

Yatin Trivedi, IEEE-SA Treasurer, reported.

Yatin noted that LMSC has met all of the reporting requirements.

**10 New Business**

10.1 [Joint Drafting Agreement](#)

Noelle Humenick reported.

10.2 Executive Session  
[**Time-Specific: 11:00 a.m.**]

*The SASB entered Executive Session at 11:00 a.m.*

*Attendees: SASB Members, BOG Members, Legal Counsel to IEEE, IEEE-SA Senior staff, IEEE-SA Governance staff, Yvette Ho Sang*

*Executive Session concluded at 1:40 p.m.*

Report Out:

The Board clarified the intent of the 3 September 2015 resolution with the following resolution:

*RESOLVED, that the IEEE-SA Standards Board hereby confirms that the sole LOA form that the Standards Board has approved does not permit an LOA with the D.1.d box selected to indicate the existence of alternative licensing assurances through contact information or otherwise, or to include attachments other than the extension page for identification of specific patents under Item E.1.*

10.3 [2017 SASB Calendar](#)

The draft calendar was shown to the SASB.

**There was a motion to approve the calendar. The motion was approved [Vote: Yes=19; Abstain =1].**

**11 [Next Meeting](#)**

The next SASB meeting is scheduled for Thursday, 03 March 2016, in New Delhi, India.



Shangri-La's Eros Hotel

<http://www.shangri-la.com/newdelhi/erosshangrila/>

### 11.1 [India Outreach Planning](#)

Moira Patterson reported.

*The SASB entered Executive Session at 5:18 p.m.*

*Attendees: SASB Members, BOG Members, Legal Counsel to IEEE, IEEE-SA Senior staff, IEEE-SA Governance staff, Yvette Ho Sang*

*Executive Session concluded at 5:23 p.m.*

Report Out:

The SASB directed staff to remove the words '(for the purposes of licensing information)' from Section B of the LOA form.

## 12 SASB Resolutions

**The SASB directed staff to remove the words '(for the purposes of licensing information)' from Section B of the LOA form.**

**P&Ps submitted for AudCom review on or after the 1<sup>st</sup> of March 2016 shall use the 2015 baselines. P&Ps submitted after the publication of the 2015 baselines and before the 1<sup>st</sup> of March 2016 can either use the 2013 or 2015 baselines.**

**The Board clarified the intent of the 3 September 2015 resolution with the following resolution:**

***RESOLVED, that the IEEE-SA Standards Board hereby confirms that the sole LOA form that the Standards Board has approved does not permit an LOA with the D.1.d box selected to indicate the existence of alternative licensing assurances through contact information or otherwise, or to include attachments other than the extension page for identification of specific patents under Item E.1.***

## 13 Adjournment

There being no further business, the meeting was adjourned at 5:27 p.m.