

IEEE-SA Standards Board Meeting Minutes – June 2017

**IEEE-SA Standards Board  
DRAFT Meeting Minutes  
15 June 2017  
The Westin Palace Hotel, Milan, Italy**

**Attendees**

**Chair:**

Jean-Philippe Faure

**Vice Chair:**

Gary Hoffman

**Past Chair:**

John Kulick

**Secretary:**

Konstantinos Karachalios

**Members:**

Chuck Adams

Masayuki Ariyoshi

Ted Burse

Stephen Dukes

Doug Edwards

Travis Griffith

Michael Janezic

Thomas Koshy

Kevin Lu

Daleep Mohla

Damir Novosel, TAB Rep.

Ron Petersen

Annette Reilly

Robby Robson

Dorothy Stanley

Adrian Stephens

Mehmet Ulema

Phil Wennblom

Yu Yuan

**Members Absent:**

Howard Wolfman

Joe Koepfinger, Member Emeritus

**IEEE Staff:**

Melissa Aranzamendez

Hermann Brand

Matthew Ceglia

Karen Evangelista

Yvette Ho Sang

Patrick McCarren

Dave Ringle, Recording Secretary

Rudi Schubert

Sam Sciacca

Erin Spiewak

Lisa Weisser

**IEEE Outside Legal Counsel:**

Claire Topp

**Guests:**

Michael Atlass

Hung Ling

Xiaohui Liu

Patrick Murphy

Gil Ohana

Glenn Parsons

Marina Ruggieri

Matteo Sabattini

Victoria Wang

Don Wright

Jingyi Zhou

**1 Call to Order**

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

Dave Ringle thanked Mary Ellen Hanntz and Melissa Aranzamendez for their superb meeting planning and on-site support in ensuring a seamless meeting series.

**2 [Agenda](#)**

2.1 Approval of Agenda

**There was a motion to approve the agenda. The motion was unanimously approved.**

2.2 Consent Agenda

2.2.1 Approval of 23 March 2017 SASB Meeting [Minutes](#)

2.2.2 AudCom Recommendations

Accepted (standards work authorized):

- AES/UAS/UAV/SC Aerospace and Electronic Systems Society/Unmanned Aerial and Unmanned Aerial Vehicles Standards Committee
- C/CPSC Computer Society/Cybersecurity and Privacy Standards Committee
- C/TT Computer Society/Test Technology
- COM/NetSoft-SC Communications Society/Virtualized and Software Defined Networks, and Services Standards Committee
- PE/PSCC Power and Energy Society/Power Systems Communications & Cybersecurity
- SASB/SCC39 SASB Standards Coordinating Committee SCC39 – International Committee on Electromagnetic Safety

Accepted (Template for PES Sponsor P&Ps)

- PE/TEM Power and Energy Society/Template

Motion: Recommend acceptance of the PE/TEM template P&Ps and the instructions for use as a baseline for PES.

New Sponsor Recognition with accepted P&Ps

Motion: Recognize Aerospace and Electronic Systems Society/Unmanned Aerial Systems and Unmanned Aerial Vehicles Standards Committee, to be abbreviated as AES/UAS/UAV/SC, as an official Sponsor, in accordance with IEEE-SASB Bylaws 5.2.2.

Motion: Recognize Communications Society/Virtualized and Software Defined Networks, and Services Standards Committee, to be abbreviated as COM/NetSoft-SC, as an official Sponsor, in accordance with IEEE-SASB Bylaws 5.2.2.

Motion: Recognize Power and Energy Society/Power Systems Communications & Cybersecurity, to be abbreviated as PE/PSCC, as an official Sponsor, in accordance with IEEE-SASB Bylaws 5.2.2.

New Sponsor Recognition with Visibly Under Development P&Ps (standards work authorized):

- ITSS/SC Intelligent Transportation Systems Society/Standards Committee

Motion: Recognize Intelligent Transportation Systems Society/Standards Committee, to be abbreviated as ITSS/SC, as an official Sponsor, in accordance with IEEE-SASB Bylaws 5.2.2.

### 2.2.3 ICom Recommendations

#### **New Industry Connections Activity:**

**IC17-008-01** PLC-IoT Interoperability and Compliance Testing

ICAID: <https://ieeesa.imeetcentral.com/p/eAAAAAANT8rAAAAAHkGZII>

Recommendation: Approve

**IC17-010-01** Automotive Emerging Technology Initiative

ICAID: <https://ieeesa.imeetcentral.com/p/eAAAAAANZHsAAAAAEfu1tc>

Recommendation: Approve

#### **Renew/Revised Industry Connections Activity:**

**IC13-004-04** IEEE-SA Ethernet & IP @ Automotive Technology Day

ICAID: <https://ieeesa.imeetcentral.com/p/eAAAAAANUwjAAAAAGr7Qpk>

Recommendation: Approve

**IC15-001-02** Fiber Optics Sensors

ICAID: <https://ieeesa.imeetcentral.com/p/eAAAAAANVDIAAAAAACYz-EU>

Recommendation: Approve

### 2.2.4 NesCom Recommendations

Withdrawal Requests:

IEEE Computer Society/LAN/MAN Standards Committee

#### **P802.1ARce**

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

**Recommendation: Approve PAR withdrawal**

**P802.15.4-2011/Cor 1**

Standard for Local and Metropolitan Area Networks – Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs) – Corrigendum 1

***Recommendation: Approve PAR withdrawal***

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

**P1514**

Recommended Practice for the Design and Integration of Fixtures Applied to Generic Test Interfaces of Automatic Test Systems

***Recommendation: Approve PAR withdrawal***

Modified PARs:

IEEE Power and Energy Society/Transformers

**PC57.160**

Guide for the Electrical Measurement of Partial Discharges in High Voltage Bushings and Instrument Transformers

***Recommendation: Approve modified PAR***

Extension Requests:

IEEE Computer Society/Microprocessor Standards Committee

**P1394**

Standard for a High-Performance Serial Bus

***Recommendation: Approve request for an extension until December 2019***

**P1890**

Standard for Error Correction Coding of Flash Memory Using Low-Density Parity Check Codes

***Recommendation: Approve request for an extension until December 2019***

IEEE Communications Society/Standards Development Board

**P269**

Standard for Measuring Electroacoustic Performance of Communication Devices

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

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

**P2405**

Standard for the Design of Battery Chargers Used in Stationary Applications

***Recommendation: Approve request for an extension until December 2020***

IEEE Power and Energy Society/Nuclear Power Engineering

**P1891**

Standard Criteria for Application of Intelligent Digital Devices to Nuclear Power Generating Stations

***Recommendation: Approve request for an extension until December 2019***

IEEE Power and Energy Society/Switchgear

**PC37.09**

Standard Test Procedure for AC High-Voltage Circuit Breakers with Rated Maximum Voltage above 1000 V

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

IEEE Power and Energy Society/Transformers

**PC57.13.8**

Standard Requirements for Station Service Voltage Transformers

***Recommendation: Approve request for an extension until December 2019***

**PC57.160**

Guide for the Electrical Measurement of Partial Discharges in High Voltage Bushings and Instrument Transformers

***Recommendation: Approve request for an extension until December 2019***

New PARs:

IEEE-SA Board of Governors/Corporate Advisory Group

**P2418**

Standard for the Framework of Blockchain Use in Internet of Things (IoT)

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

**P2755.1**

Taxonomy and Classification for Software Based Intelligent Process Automation (SBIPA) Technology

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

**P7130**

Standard for Quantum Computing Definitions

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

IEEE Computer Society/LAN/MAN Standards Committee

**P802.21-2017/Cor 1**

Standard for Local and Metropolitan Area Networks – Part 21: Media Independent Services Framework – Corrigendum 1: Clarification of Parameter Definition in Group Session Key Derivation

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

IEEE Computer Society/Software & Systems Engineering Standards Committee

**P42030**

Standard for Systems and Software Engineering – Architecture Evaluation

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

IEEE Consumer Electronics Society/Standards Committee

**P2900**

Standard for Smart Home Security: Overview and Architecture

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

**P2900.1**

Standard for Smart Home Security: Taxonomy and Definitions

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

IEEE Communications Society/Power Line Communications

**P1901.1.1**

Standard Test Procedures for IEEE 1901.1 Standard for Medium Frequency (less than 15 MHz) Power Line Communications for Smart Grid Applications

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

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

**P11073-10428**

Health Informatics – Personal Health Device Communication – Device Specialization - Electronic Stethoscope

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

IEEE Power and Energy Society/Power System Communications and Cybersecurity

**P1595**

Standard for Testing and Performance for Optical Phase Conductor (OPPC) for Use on Electrical Utility Power Lines

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

IEEE Power and Energy Society/Power System Instrumentation and Measurements

**P2426**

Guide for Field Measurement of Fast-Front and Very Fast-Front Overvoltages in Electric Power System

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

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

**P2771**

Guide for Parameter Configuration of Arcing Horns of DC Earth Electrode Lines

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

IEEE Power and Energy Society/Switchgear

**PC37.75**

Standard for Pad-Mounted, Pole-Mounted and Submersible Switchgear Enclosures and Associated Control Enclosures – Coastal and Non-Coastal Environmental Integrity

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

IEEE Robotics and Automation Society/Standing Committee for Standards

**P1872.2**

Standard for Autonomous Robotics (AuR) Ontology

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

**P7008**

Standard for Ethically Driven Nudging for Robotic, Intelligent, and Autonomous Systems

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

IEEE Reliability Society/IEEE Reliability

**P7009**

Standard for Fail-Safe Design of Autonomous and Semi-Autonomous Systems

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

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

**P1528.6**

Recommended Practice for Computational Techniques to Determine the Power Density of the Electromagnetic Field Associated with Human Exposure to Wireless Devices and Network Equipment, 6 GHz to 100 GHz

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

IEEE Sensors Council/Standards Committee



**P2510**

Standard for Establishing Quality of Data Sensor Parameters in the Internet of Things Environment

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

IEEE Systems, Man, and Cybernetics Society/Standards Committee

**P7010**

Wellbeing Metrics Standard for Ethical Artificial Intelligence and Autonomous Systems

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

IEEE Vehicular Technology Society/Intelligent Transportation Systems

**P1609.2b**

Standard for Wireless Access in Vehicular Environments – Security Services for Applications and Management Messages Amendment

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

PARs for the Revision of Standards:

IEEE Computer Society/Portable Applications

**P1003.1**

Standard for Information Technology – Portable Operating System Interface (POSIX)

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

IEEE Computer Society/Software & Systems Engineering Standards Committee

**P24748-3**

Systems and Software Engineering-Life Cycle Management-Part 3: Guidelines for the Application of ISO/IEC/IEEE 12207 (Software Life Cycle Processes)

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

IEEE Dielectrics and Electrical Insulation Society/Standards Committee

**P1523**

Guide for the Application, Maintenance, and Evaluation of Room Temperature Vulcanizing (RTV) Silicone Rubber Coatings for Outdoor Ceramic Insulators

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

IEEE Power and Energy Society/Switchgear

**PC37.011**

Guide for the Application of Transient Recovery Voltage for AC High-Voltage Circuit Breakers with Rated Maximum Voltage above 1000 V

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

IEEE Power and Energy Society/Transmission and Distribution

**P1453**

Voltage Fluctuations/Flicker Standard for the Analysis of Fluctuating Power Installations on Power Systems

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

IEEE Power and Energy Society/Transformers

**PC57.123**

Guide for Transformer Loss Measurement

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

**PC57.124**

Recommended Practice for the Detection of Partial Discharge and the Measurement of Apparent Charge in Dry-Type Transformers

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

2.2.5 RevCom Recommendations

**NEW**

**P802c/Draft D2.2** (C/LM) IEEE Draft Standard for Local and Metropolitan Area Networks: Overview and Architecture – Amendment: Local Medium Access Control (MAC) Address Usage

Recommendation: APPROVE

**P2755/Draft Draft 1** (BOG/CAG) IEEE Draft Guide to Terms and Concepts in Intelligent Process Automation

Recommendation: APPROVE

**P62271-37-013-2015/Cor 1/Draft 2** (PE/SWG) IEEE/IEC Draft International Standard for High-Voltage Switchgear and Controlgear Part 37-013: Alternating Current Generator Circuit Breakers/Corrigendum 1

Recommendation: APPROVE

## REVISION

**P741/Draft 3** (PE/NPE) IEEE Draft Standard Criteria for the Protection of Class 1E Power Systems and Equipment in Nuclear Power Generating Stations

Recommendation: APPROVE

**P1668/Draft D3** (IAS/PSE) IEEE Draft Recommended Practice for Voltage Sag and Short Interruption Ride-Through Testing for End-Use Electrical Equipment Rated Less than 1000 V

Recommendation: APPROVE

**P2700/Draft D3** (EDS/MEMS) IEEE Draft Standard for Sensor Performance Parameter Definitions

Recommendation: APPROVE

**P24765/Draft D3** (C/S2ESC) ISO/IEC/IEEE Draft Systems and Software Engineering – Vocabulary

Recommendation: APPROVE

**P26513/Draft d3** (C/S2ESC) ISO/IEC/IEEE International Draft Standard – Systems and Software Engineering – Requirements for Testers and Reviewers of User Documentation

Recommendation: APPROVE

**PC37.100.1/Draft 8** (PE/SWG) IEEE Draft Standard of Common Requirements for High Voltage Power Switchgear Rated Above 1000 V

Recommendation: Conditional approval

There was a motion to conditionally approve PC37.100.1 based on receipt of copyright permissions.

**PC57.12.36/Draft 6** (PE/TR) IEEE Draft Standard Requirements for Liquid-Immersed Distribution Substation Transformers

Recommendation: APPROVE

**PC57.12.58/Draft 2** (PE/TR) IEEE Draft Guide for Conducting a Transient Voltage Analysis of a Dry-Type Transformer Coil

Recommendation: APPROVE

**PC57.140/Draft 8** (PE/TR) IEEE Draft Guide for Evaluation and Reconditioning of Liquid Immersed Power Transformers

Recommendation: APPROVE

## **EXTENSIONS**

**802.16-2012 (C/LM)** Standard for Air Interface for Broadband Wireless Access Systems

Recommendation: APPROVE

### **3 Legal Update**

The SASB entered Executive Session at 9:13 a.m.

Remaining in the room: SASB Members, BOG Members, BOD Members, Legal Counsel, IEEE-SA Staff

3.1 [Follow-up](#) on the SASB Ratification of the Actions taken by the IEEE 802 LMSC Sponsor in Connection with the 802.11 TGax Complaint  
[*Executive Session*]

3.2 P1838/TTSC Oversight Committee Update  
[*Executive Session*]

Executive Session concluded at 9:36 a.m.

REPORT OUT:

The P1838/TTSC Oversight Committee was disbanded with thanks.

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

Konstantinos Karachalios, IEEE-SA Managing Director, reported.

Konstantinos introduced Hermann Brand, and the SASB welcomed Hermann with a round of applause.

**5 SASB Standing Committee Reports**

5.1 Audit Committee ([AudCom](#))

Michael Janezic, AudCom Chair, reported.

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

John Kulick, ICCom Chair, reported.

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

Stephen Dukes, NesCom Chair, reported.

5.4 Patent Committee ([PatCom](#))

Phil Wennblom, PatCom Chair, reported.

5.5 Procedures Committee ([ProCom](#))

- [SASB OpMan RE: Recorded Meetings](#)
- [SASB OpMan RE: Reserved Values](#)

Ted Burse, ProCom Chair, reported.

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

Gary Hoffman, RevCom Chair, reported.

**6 Standards Coordinating Committee Reports**

6.1 SCC Coordinator's [Report](#)

Kevin Lu, SCC Coordinator, reported.

**There was a motion to accept the submitted reports from SCC14 and SCC18. The motion was unanimously approved.**

6.2 Scheduled Reports Due in June:

6.2.1 [SCC14](#) – Quantities, Units, and Letter Symbols (Gary Hoffman)

6.2.2 [SCC18](#) – National Fire Protection Association Standards (Christel Hunter)

6.3 SCC18 Ad Hoc [Report](#)

John Kulick, Ad Hoc Chair, reported.

Current Ad Hoc actions include:

- Recommending that SASB develop a process to identify technical committees likely to be interested in ER positions developed by SCC18.
- Asking staff to work with SCC18 to develop an initial [boilerplate] message to be used for communicating with Sponsors/Societies.

#### 6.4 [IEEE Positions for NFPA's Current TIAs](#)

Kevin Lu, SCC Coordinator, reported.

**There was a motion to approve the following input from the SASB to SCC18:**

- **SASB directs SCC18 to establish an open session (teleconference) for consideration of the request(s) from 802.3.**
- **SASB reminds SCC18 that Technical Committee input should be considered the position of IEEE-SA, absent other Official Technical Committee input (as per 10.2 in the SCC18 P&Ps).**
- **SASB requires notification of SCC18's decision on the IEEE position related to the 3 named TIAs at least one week prior to NFPA's comment closing date.**
- **IEEE position shall not be communicated to NFPA prior to SASB instruction.**
  - **Kevin Lu, SCC Coordinator, will be the contact point for the SASB.**

**The motion was unanimously approved.**

#### 6.5 Strategic Discussion RE: Type 1 SCCs

Chair Faure initiated discussion.

Chair Faure formed an ad hoc.

Name: Ad Hoc on Establishment of IEEE Consensus Technical Positions in a Type 1 SCC  
Charter: Consideration of how a Type 1 SCC determines the IEEE consensus technical position for items under its responsibility (including items for which an External Representative will provide input)

Chair: Jean-Philippe Faure

Members: Matthew Ceglia, Yvette Ho Sang, Gary Hoffman, Michael Janezic, John Kulick, Daleep Mohla, Dave Ringle, Sam Sciacca

## 7 Reports from Government Observers

### 7.1 NIST [Report](#)

Michael Janezic, Government Observer to the SASB from U.S. NIST, reported.

## 8 Informational Reports

8.1 CAG [Report](#)

Glenn Parsons, CAG Liaison to the SASB, reported.

Asks of SASB:

- IEEE-SA Corporate Advisory Group's Open Source Ad Hoc invites the Chair of SASB to propose open source-versed participants to join the Ad Hoc's current work streams.

- In particular, the following two work streams would provide the richest collective experience through SASB volunteer engagement:

- Use case: open source as an informative or normative content of a standard
- Open source pilots

SASB Members who expressed interest in participating in the activities of the Open Source Ad Hoc:

- Stephen Dukes
- Gary Hoffman
- Robby Robson
- Yu Yuan

***Action Item: Michael Janezic to provide information, based on experience at NIST, to Glenn.***

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

Don Wright, IEEE-SA President, reported.

8.3 SASB Chair's [Report](#)

Chair Faure reported.

Chair Faure formed an ad hoc.

Name: 'Sponsor' Terminology Ad Hoc

Charter: Revise 'Sponsor' terminology in IEEE-SA internal documentation and IEEE external communications

Chair: Phil Wennblom

Members: Chuck Adams, Matthew Ceglia, Gary Hoffman, Dave Ringle, Dorothy Stanley

**9 Old Business**

9.1 Financial Reporting Requirements

Sam Sciacca, Senior Director – Technical Program Operations, reported.

All standards development groups are in compliance with the financial reporting requirements.

## **10 New Business**

10.1 [Report](#) from the Vice President for IEEE Technical Activities

Marina Ruggieri, Vice President for IEEE Technical Activities, presented an engaging, thought-provoking report.

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

The next SASB meeting is scheduled for Thursday, 28 September 2017, via teleconference.

**There was a motion to hold the 28 September 2017 meeting from 9:00 – 11:00 a.m. ET. The motion was unanimously approved.**

An in-person SASB meeting is scheduled for Wednesday, 06 December 2017, in Piscataway, New Jersey, USA.

11.1 [March 2018 Meeting Dates](#)

Dorothy Stanley reported.

There was a motion:

Move to approve the March 2018 SASB meeting dates to be the week of 12-16 March 2018.

The motion failed. (Vote: Yes=8, No=9, Abstain=4)

## **12 SASB Resolutions**

**The SASB recognized Aerospace and Electronic Systems Society/Unmanned Aerial Systems and Unmanned Aerial Vehicles Standards Committee, to be abbreviated as AES/UAS/UAV/SC, as an official Sponsor, in accordance with IEEE-SASB Bylaws 5.2.2.**

**The SASB recognized Communications Society/Virtualized and Software Defined Networks, and Services Standards Committee, to be abbreviated as COM/NetSoft-SC, as an official Sponsor, in accordance with IEEE-SASB Bylaws 5.2.2.**

**The SASB recognized Power and Energy Society/Power Systems Communications & Cybersecurity, to be abbreviated as PE/PSCC, as an official Sponsor, in accordance with IEEE-SASB Bylaws 5.2.2.**



**The SASB recognized Intelligent Transportation Systems Society/Standards Committee, to be abbreviated as ITSS/SC, as an official Sponsor, in accordance with IEEE-SASB Bylaws 5.2.2.**

**The P1838/TTSC Oversight Committee was disbanded with thanks.**

**13            Adjournment**

There being no further business, the meeting was adjourned at 3:00 p.m.