IEEE-SA Standards Board Meeting Minutes – March 2018

IEEE-SA Standards Board
DRAFT Meeting Minutes
08 March 2018
Tokyo Hilton Hotel, Tokyo, Japan
9:00 a.m. – 5:00 p.m.

Attendees

Chair:
Jean-Philippe Faure

Vice Chair:
Gary Hoffman

Past Chair:
John Kulick

Secretary:
Konstantinos Karachalios

Members:
Ted Burse
Guido Hiertz
Chris Hunter
Thomas Koshy
Hung Ling
Dong Liu
Xiaohui Liu
Kevin Lu
Annette Reilly
Robby Robson
Mehmet Ulema
Phil Wennblom
Jingyi Zhou

Members Absent:
Daleep Mohla
Andrew Myles
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Paul Nikolich
Ron Petersen
Dorothy Stanley
Philip Winston
Howard Wolfman

Joe Koepfinger, Member Emeritus

**IEEE Staff:**
Matthew Ceglia
Karen Evangelista
Mary Ellen Hannzt
Yvette Ho Sang
Karen Kenney
Soo Kim
Adam Newman
Dave Ringle, Recording Secretary
Sam Sciacca
Rudi Schubert
Lisa Weisser

**IEEE Outside Legal Counsel:**
Claire Topp – Dorsey & Whitney LLP

**Guests:**
Chuck Adams
Michael Atlass
Stephen Dukes
Doug Edwards
Travis Griffith
Jim Harlan
Chiaki Ishikawa
Michael Janezic
Patrick Murphy
Matteo Sabattini
Don Wright
Song Yang

1  **Call to Order**

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

2  **Agenda**
2.1 Approval of [Agenda](#)
Chair Faure noted that item 8.4 would occur immediately after approval of the agenda.

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

2.2 Consent Agenda
2.2.1 Approval of 06 December 2017 SASB Meeting Minutes

2.2.2 AudCom Recommendations

**Accepted (standards work authorized):**

- PE/NPE Power and Energy Society/Nuclear Power Engineering

**Motion about PES Sponsor P&P Template Usage:**

AudCom to set the date of 31 March 2018 for ending use of 2017 PES Sponsor P&P Template.

2.2.3 ICCom Recommendations

**New Industry Connections Activities:**

**IC18-001-01** Facilities Joint Use
ICAID: [https://ieee-sa.imeetcentral.com/p/eAAAAAAAAX29AAAAAHTI2iw](https:// ieee-sa.imeetcentral.com/p/eAAAAAAAAX29AAAAAHTI2iw)
Recommendation: Approve with modification to add transition plan as a deliverable.

**IC18-002-01** IP Security Program
ICAID: [https://ieee-sa.imeetcentral.com/p/eAAAAAAAAX2-AAAAEDcS3s](https:// ieee-sa.imeetcentral.com/p/eAAAAAAAAX2-AAAAEDcS3s)
Recommendation: Approve

**Revised/Renewed Industry Connections Activities:**

**IC16-002** The Global Initiative on Ethics of Autonomous and Intelligent Systems
ICAID: [https://ieee-sa.imeetcentral.com/p/eAAAAAAAOWNNAAAAAah_ZjRw](https:// ieee-sa.imeetcentral.com/p/eAAAAAAAOWNNAAAAAah_ZjRw)
Recommendation: Approve

**IC16-004** Augmented Reality in the Oil/Gas/Electric Industry
ICAID: [https://ieee-sa.imeetcentral.com/p/eAAAAAAAAX1AAAAABK4bHM](https:// ieee-sa.imeetcentral.com/p/eAAAAAAAAX1AAAAABK4bHM)
Recommendation: Approve renewal until the end of 2018 and staff to provide guidance on coordinating with the 2048 standards efforts and the AR/VR advisory group as appropriate.

**IC16-006** International Roadmap for Devices and Systems (IRDS)
ICAID: [https://ieee-sa.imeetcentral.com/p/eAAAAAAAQYYQAAAAAHu-fws](https:// ieee-sa.imeetcentral.com/p/eAAAAAAAQYYQAAAAAHu-fws)
Recommendation: Approve

**IC16-001** Open Data
ICAIM: https://ieee-sa.imeetcentral.com/p/eAAAAAAA0XNzAAAAADYdUsI
Recommendation: Approve

2.2.4 NesCom Recommendations

Modified PARs:

IEEE Industry Applications Society/Technical Books Coordinating Committee

**P3004.7**
Recommended Practice for the Protection of Conductors Used in Industrial and Commercial Power Systems
*Recommendation: Approve modified PAR*

IEEE Microwave Theory and Techniques Society/Standards Coordinating Committee

**P1765**
Trial-Use Recommended Practice for Estimating the Uncertainty in Error Vector Magnitude of Measured Digitally Modulated Signals for Wireless Communications
*Recommendation: Approve modified PAR*

IEEE Power and Energy Society/Energy Development & Power Generation

**P2775**
Technical Guide for Smart Hydroelectric Power Plant
*Recommendation: Approve modified PAR*

Extension Requests:

IEEE Power and Energy Society/Nuclear Power Engineering

**P2411**
*Recommendation: Approve request for an extension until December 2020*

New PARs:

IEEE Engineering in Medicine and Biology Society/Standards Committee

**P2727**
Standard for General Vocabulary for Conformity Assessment of Medical Devices with Measuring Function

**Recommendation**: Approve new PAR until December 2022

**P2727.1**
Standard for Conformity Assessment Testing of Cardiac Defibrillators for Legal Metrology Purposes

**Recommendation**: Approve new PAR until December 2022

**P2730**
Standard for Classification, Terminologies, and Definitions of Medical Robots

**Recommendation**: Approve new PAR until December 2022

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

**P2668**
Standard for Maturity Index of Internet-of-things: Evaluation, Grading and Ranking

**Recommendation**: Approve new PAR until December 2022

IEEE Power and Energy Society/Insulated Conductors

**P1511.2**
Guide for Investigating and Analyzing Failures of Joints on Extruded Shielded Power Cables on Systems Rated 5 kV through 46 kV

**Recommendation**: Approve new PAR until December 2022

IEEE Power and Energy Society/Power System Communications and Cybersecurity

**P2658**
Guide for Cybersecurity Testing in Electric Power Systems

**Recommendation**: Approve new PAR until December 2022

IEEE Power and Energy Society/Power System Relaying and Control

**P2030.100.1**
Monitoring and Diagnostics of IEC 61850 Generic Object Oriented Status Event (GOOSE) and Sampled Values Based Systems

**Recommendation**: Approve new PAR until December 2022

**PC37.300**
Guide for Centralized Protection and Control (CPC) Systems within a Substation

**Recommendation**: Approve new PAR until December 2022

IEEE Power and Energy Society/Transmission and Distribution
**P2030.11**
Distributed Energy Resources Management Systems (DERMS) Functional Specification

**Recommendation:** Approve new PAR until December 2022

**P2745.1**

**Recommendation:** Approve new PAR until December 2022

**P2745.2**

**Recommendation:** Approve new PAR until December 2022

**P2745.3**

**Recommendation:** Approve new PAR until December 2022

**P2746**
Guide for Evaluating AC Interference on Linear Facilities Co-Located Near Transmission Lines

**Recommendation:** Approve new PAR until December 2022

**IEEE Power and Energy Society/Transformers**

**PC57.166**
Guide for Acceptance and Maintenance of Insulating Liquids in Transformers and Related Equipment

**Recommendation:** Approve new PAR until December 2022

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

**P1547.9**

**Recommendation:** Approve new PAR until December 2022

**IEEE Vehicular Technology Society/Rail Transportation Standards Committee**

**P2752**
Guide for Multi-Point Grounding System of Trains in Electrified Railway

**Recommendation:** Approve new PAR until December 2022
P2753  
Recommendation: Approve new PAR until December 2022

PARs for the Revision of Standards:

IEEE Computer Society/Design Automation

P2401  
Standard Format for LSI-Package-Board Interoperable Design  
Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Computer Society/Learning Technology

P1484.11.3  
Standard for Learning Technology Extensible Markup Language (XML) Schema Binding for Data Model for Content Object Communication  
Recommendation: Approve PAR for the revision of a standard until December 2022

P1484.12.3  
Standard for Extensible Markup Language (XML) Schema Definition Language Binding for Learning Object Metadata  
Recommendation: Approve PAR for the revision of a standard until December 2022

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

P11073-10442  
Health Informatics – Personal Health Device Communication Part 10442: Device Specialization – Strength Fitness Equipment  
Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Power and Energy Society/Electric Machinery

PC50.12  
Standard for 50 Hz and 60 Hz Synchronous Generators and Generator/Motors Coupled to Hydraulic Turbines and Rated 5 MVA and Above  
Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Power and Energy Society/Nuclear Power Engineering
P577
Standard Requirements for Reliability Analysis in the Design and Operation of Safety Systems for Nuclear Power Generating Stations and Other Nuclear Facilities
Recommendation: Approve PAR for the revision of a standard until December 2022

P765
Standard for Preferred Power Supply (PPS) for Nuclear Power Generating Stations (NPGS)
Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Power and Energy Society/Substations

P525
Guide for the Design and Installation of Cable Systems in Substations
Recommendation: Approve PAR for the revision of a standard until December 2022

P837
Standard for Qualifying Permanent Connections Used in Substation Grounding
Recommendation: Approve PAR for the revision of a standard until December 2022

PC37.122
Standard for High Voltage Gas-Insulated Substations Rated Above 52 kV
Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Power and Energy Society/Transmission and Distribution

P1695
Guide to Understanding, Diagnosing, and Mitigating Stray and Contact Voltage
Recommendation: Approve PAR for the revision of a standard until December 2022

2.2.5 RevCom Recommendations

NEW

P802.11ak/Draft 6.0 (C/LM) IEEE Draft Standard for Telecommunications and Information Exchange between Systems – Local and Metropolitan Area Networks – Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications – Amendment 4: Enhancements for Transit Links Within Bridged Networks
Recommendation: APPROVE


Recommendation: APPROVE

P2030.101/Draft 11.6 (PE/SUB) IEEE Draft Guide for Designing a Time Synchronization System for Power Substations

Recommendation: APPROVE

PC37.100.2/Draft 8.3 (PE/SWG) IEEE Draft Standard for Common Requirements for Testing of AC Capacitance Current Switching Devices over 1000 V

Recommendation: APPROVE

REVISION

P384/Draft 2 (PE/NPE) IEEE Draft Standard Criteria for Independence of Class 1E Equipment and Circuits

Recommendation: APPROVE

P1527/Draft 10 (PE/SUB) IEEE Draft Recommended Practice for the Design of Buswork Located in Seismically Active Areas

Recommendation: APPROVE

3  Legal
3.1  SASB Responsibilities

Claire Topp, IEEE Outside Legal Counsel, presented.

The SASB entered Executive Session at 9:45 a.m.

Remaining in the room: SASB Members, BOG Members, IEEE-SA Governance staff, IEEE-SA Senior Directors, Yvette Ho Sang, Matthew Ceglia, Claire Topp

3.2  Update
   [Executive Session]
3.3 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]

The SASB concluded Executive Session at 10:07 a.m.

4 Appointment of the SASB Vice Chair

There were three candidates who had been nominated and accepted the nomination: Ted Burse, Gary Hoffman, and Paul Nikolich.

The SASB conducted a ballot.

Gary Hoffman was appointed as the SASB Vice Chair.

5 SASB Standing Committee Reports

5.1 Audit Committee (AudCom)

Annette Reilly, AudCom Chair, reported.

5.2 Industry Connections Committee (ICCom)

Kevin Lu, ICCom Chair, reported.

5.3 New Standards Committee (NesCom)

Ted Burse, NesCom Chair, reported.

5.4 Patent Committee (PatCom)

Phil Wennblom, PatCom Chair, reported.

5.5 Procedures Committee (ProCom)

Ted Burse, interim ProCom Chair, reported.

Chair Faure stated that he is creating an SASB ad hoc to take over the work that was being done by the ProCom Ad Hoc on Interest Groups, as the ProCom ad hoc’s work had expanded beyond its charter and sufficient groundwork has been done.

The membership of the SASB ad hoc will be comprised of SASB Members and IEEE-SA staff only.

Chair: Gary Hoffman
Members: A call for participation will be issued to SASB Members.
Charter: Review how the IEEE-SA deals with the phenomenon of dominance

Chair Faure thanked Ted Burse for the work done in the ProCom ad hoc.

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 SCC4, SCC20, and SCC22. The motion was unanimously approved.

6.2 Scheduled Reports Due in March:
6.2.1 SCC4 – Electrical Insulation (Evanne Wang)
6.2.2 SCC20 – Test and Diagnosis for Electronic Systems (Mike Seavey)
6.2.3 SCC22 – Power Quality (Bill Howe)

7 Old Business
7.1 ‘Sponsor’ Terminology Ad Hoc Report

Phil Wennblom, Ad Hoc Chair, reported.

Some SASB Members offered suggestions.

Guido Hiertz and Xiaohui Liu will be added to the ad hoc.

7.2 Open Source Ad Hoc Report

Phil Wennblom, Ad Hoc Chair, reported.

The SASB entered Executive Session at 11:13 a.m.

Remaining in the room: SASB Members, BOG Members, IEEE-SA Governance staff, IEEE-SA Senior Directors, Yvette Ho Sang, Matthew Ceglia, Claire Topp

7.3 IEEE Participation on NFPA Committees
[Executive Session]

7.4 SCC18 Oversight Committee Report
[Executive Session]
The SASB recessed for lunch at 11:54 a.m.

The SASB reconvened at 1:00 p.m.
Not in the room: Chris Hunter
[Mehmet Ulema left for the day at 1:25 p.m.]

The SASB concluded Executive Session at 2:17 p.m.

**REPORT OUT:**
The SASB approved the continuance of the SASB SCC18 Oversight Committee.

## New Business

### 8.1 Approval of 2019 SASB Calendar

Chair Faure reported.

There was a motion to approve the 2019 SASB calendar. The motion was approved. [Vote: Yes=11, No=2 (Robson, Wennblom), Abstain=1 (Ling)]

### 8.2 GDPR Update

No verbal update was provided.

### 8.3 Financial Reporting Requirements

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

### 8.4 Presentation on IEEE P2050 and TRON Forum

This item occurred immediately after approval of the agenda.

Stephen Dukes, IEEE-SA Board of Governors Member, introduced the topic.

Chiaki Ishikawa, Secretary for the P2050 Working Group, presented.

A video message from Ken Sakamura, Chair of TRON Forum and IEEE Life Fellow, was shown.

The SASB thanked Ken Sakamura and Chiaki Ishikawa for the presentation, the video, and for their assistance in initiating the P2050 project.

Konstantinos Karachalios, IEEE-SA Managing Director, thanked Stephen Dukes for helping to bring the TRON specification into IEEE.
9 IEEE-SA Managing Director’s Report

Konstantinos Karachalios, IEEE-SA Managing Director, reported.

10 Reports from Government Observers

10.1 NIST Report

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

11 Informational Reports

11.1 CAG Report

Chuck Adams, CAG Member, reported.

11.2 IEEE-SA President’s Report

IEEE-SA President Don Wright reported.

11.3 SASB Chair’s Report

Chair Faure reported.

12 Next Meeting

The next SASB meeting is scheduled for Thursday, 14 June 2018, in The Hague, Netherlands.

13 SASB Resolutions

None

14 Adjournment

There being no further business, the meeting was adjourned at 4:12 p.m.