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

Paul Nikolich
Ron Petersen
Dorothy Stanley
Philip Winston
Howard Wolfman

Joe Koepfinger, Member Emeritus

IEEE Staff:
Matthew Ceglia
Karen Evangelista
Mary Ellen Hanntz
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/eAAAAAAAOX29AAAAAHTI2iw
Recommendation: Approve with modification to add transition plan as a deliverable.

IC18-002-01 IP Security Program
ICAID: https://ieee-sa.imeetcentral.com/p/eAAAAAAAOX2-AAAAAEdcS3s
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/eAAAAAAAOWNNAAAAAH_ZjRw
Recommendation: Approve

IC16-004 Augmented Reality in the Oil/Gas/Electric Industry
ICAID: https://ieee-sa.imeetcentral.com/p/eAAAAAAAOXIAAAAAABK4bHM
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/eAAAAAAAOYYQAAAAAHu-fws

Recommendation: Approve

IC16-001 Open Data
ICAID: https://ieee-sa.imeetcentral.com/p/eAAAAAAOXNzAAAAADYdUsI
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
Human Factors Engineering Guide for the Validation of System Designs and Integrated Systems Operations at Nuclear Facilities
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
Guide for Technology of Unified Power Flow Controller Using Modular Multilevel Converter: Part 1 Functions
Recommendation: Approve new PAR until December 2022

P2745.2
Guide for Technology of Unified Power Flow Controller Using Modular Multilevel Converter: Part 2 Terminology
Recommendation: Approve new PAR until December 2022

P2745.3
Guide for Technology of Unified Power Flow Controller Using Modular Multilevel Converter: Part 3 Thyristor Bypass Switch
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
Guide to Using IEEE Standard 1547 for Interconnection of Energy Storage Distributed Energy Resources with Electric Power Systems
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
Guide for the Measurement of Pantograph Off-Line and Evaluation of Current Collection Performance for High Speed Railway
Recommendation: Approve new PAR until December 2022

<u>PARs for the Revision of Standards:</u>

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

P1641.1a/Draft 9 (SASB/SCC20) IEEE Draft Guide for the Use of IEEE Std 1641, IEEE Standard for Signal and Test Definition – Amendment 1: Addition of Guidelines for Producing Reusable Test Signal Frameworks for Use on Platforms Utilizing Automatic Test Markup Language

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.

<u>Charter:</u> 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.

8   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.