

IEEE-SA Standards Board Meeting Minutes – June 2018

IEEE-SA Standards Board**DRAFT Meeting Minutes****14 June 2018****Hilton The Hague Hotel, The Hague, Netherlands****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

Thomas Koshy

Hung Ling

Xiaohui Liu

Kevin Lu

Daleep Mohla

Andrew Myles

Paul Nikolich

Annette Reilly

Robby Robson

Dorothy Stanley

Mehmet Ulema

Phil Wennblom

Jingyi Zhou

Members Absent:

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Chris Hunter
Dong Liu
Ron Petersen
Philip Winston
Howard Wolfman

Joe Koepfinger, Member Emeritus

IEEE Staff:

Matthew Ceglia
Chirag Desai
Karen Evangelista
Joshua Gay
Jonathan Goldberg
Yvette Ho Sang
Karen Kenney
Karen McCabe
Adam Newman
Dave Ringle, Recording Secretary
Tania Sanchez-Juarez
Sam Sciacca
Alpesh Shah
Lisa Weisser

IEEE Outside Legal Counsel:

Michael Lindsay – Dorsey & Whitney LLP
Claire Topp – Dorsey & Whitney LLP

Guests:

Chuck Adams
Michael Atlass
Evelyn Chen
Michael Crusoe
Stephen Dukes
Doug Edwards
Robert Fish
Henk Geene
Scott Gilfillan
Travis Griffith
Bob Grow [Part time via phone]
John Messenger
Patrick Murphy
Jon Rosdahl
Matteo Sabbattini
Victoria Wang

Walter Weigel
Helene Workman
Don Wright
Yu Yuan

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

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

2.2 Consent Agenda

2.2.1 Approval of 08 March 2018 SASB Meeting [Minutes](#)

The consent agenda was approved during the approval of the agenda. The following SASB Members abstained on item 2.2.1:

Andrew Myles
Paul Nikolich
Dorothy Stanley

2.2.2 AudCom Recommendations

Accepted (standards work authorized):

- C/S2ESC Computer Society/Software & Systems Engineering Standards Committee
- PE/ED&PG Power and Energy Society/Energy Development & Power Generation
- PE/PSIM Power and Energy Society/Power System Instrumentation and Measurements
- PW/SWG Power and Energy Society/Switchgear

Conditionally Accepted (standards work authorized):

- PE/SUB Power and Energy Society/Substations

2.2.3 ICom Recommendations

Revised/Renewed Industry Connections Activities:

IC09-001 Industry Connections Security Group (ICSG)

ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAAOwbpAAAAAG-ZTfw>

Recommendation: APPROVE

IC16-005 Consumer Healthcare Alliance

ICAID: <https://ieeesa.imeetcentral.com/p/eAAAAAAAAOzSAAAAAANZ7LA>

Recommendation: APPROVE with modifications to the deliverables

Terminated:

IC16-004 Augmented Reality in the Oil/Gas/Electric Industry

Recommendation: APPROVE

IC17-010 Automotive Emerging Technology Initiative

Recommendation: APPROVE

2.2.4 NesCom Recommendations

Withdrawal Requests:

IEEE Power and Energy Society/Transformers

PC57.12.70-2011/Cor 1

Standard Terminal Markings and Connections for Distribution and Power Transformers –
Corrigendum 1: Correction of Annex A

Recommendation: Approve PAR withdrawal

Modified PARs:

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

P1528.5

Measurement Procedure for the Assessment of Power Density of Human Exposure to
Radio Frequency Fields from Wireless Devices Operating in Close Proximity to the Head
and Body – Frequency Range of 6 GHz to 300 GHz

Recommendation: Approve modified PAR

P1528.6

Standard for Determining the Power Density of the Electromagnetic Field Associated with
Human Exposure to Wireless Devices Operating in Close Proximity to the Head and Body
Using Computational Techniques, 6 GHz to 300 GHz

Recommendation: Approve modified PAR

Extension Requests:

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 2019

IEEE Power and Energy Society/Insulated Conductors

P1407

Guide for Accelerated Aging Tests for 5 kV to 46 kV Extruded Electric Power Cables Using Water-Filled Tanks

Recommendation: Defer request for an extension until PAR expiration year 2019. Staff will provide next steps.

IEEE Power and Energy Society/Substations

P605

Guide for Bus Design in Air Insulated Substations

Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Transformers

PC57.93

Guide for Installation and Maintenance of Liquid-Immersed Power Transformers

Recommendation: Approve request for an extension until December 2020

New PARs:

IEEE Aerospace and Electronic Systems Society/Radar Systems Panel

P521a

Standard Letter Designations for Radar-Frequency Bands Amendment

Recommendation: Defer new PAR until next NesCom meeting

IEEE-SA Board of Governors/Corporate Advisory Group

P2413.1

Standard for a Reference Architecture for Smart City (RASC)

Recommendation: Approve new PAR until December 2022

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P2790

Standard for Biometric Liveness Detection

Recommendation: Approve new PAR until December 2022

IEEE Computer Society/Learning Technology

P2247.1

Standard for the Classification of Adaptive Instructional Systems

Recommendation: Approve new PAR until December 2022

IEEE Consumer Electronics Society/Standards Committee

P2785

Standard for Architectural Framework and General Requirements for Smart Home Systems

Recommendation: Approve new PAR until December 2022

P2786

Standard for General Requirements and Interoperability for Internet of Clothing

Recommendation: Approve new PAR until December 2022

IEEE Engineering in Medicine and Biology Society/Standards Committee

P1708a

Standard for Wearable Cuffless Blood Pressure Measuring Devices

Recommendation: Approve new PAR until December 2022

P2791

Standard for Bioinformatics Computations and Analyses Generated by High-Throughput Sequencing (HTS) to Facilitate Communication

Recommendation: Approve new PAR until December 2022

P2792

Therapeutic Electrical Stimulation Waveforms

Recommendation: Approve new PAR until December 2022

IEEE Power and Energy Society/Energy Development & Power Generation

P2793

Standard Terms and Definitions for Turbine Governing Systems

Recommendation: Approve new PAR until December 2022

IEEE Power and Energy Society/Power System Instrumentation and Measurements

P2681

Guide for Testing Medium Voltage Smart Grid Sensor and Intelligent Electronic Device Systems

Recommendation: Approve new PAR until December 2022

IEEE Power and Energy Society/Substations

PC37.122.8

Guide for the Application of Mobile Gas-Insulated Substations Rated above 52kV

Recommendation: Approve new PAR until December 2022

IEEE Power and Energy Society/Transformers

PC57.167

Guide for Monitoring Distribution Transformers

Recommendation: Approve new PAR until December 2022

PC57.168

Guide for Low Frequency Dielectric Testing for Distribution, Power, and Regulating Transformers

Recommendation: Approve new PAR until December 2022

IEEE Photonics Society/Standards Committee

P2065

Parameter Requirements and Test Method for Industrial Fiber Laser

Recommendation: Approve new PAR until December 2022

PARs for the Revision of Standards:

IEEE Computer Society/LAN/MAN Standards Committee

P802.1X

Standard for Local and Metropolitan Area Networks – Port-Based Network Access Control

Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Computer Society/Learning Technology

P1484.20.1

Standard for Learning Technology-Data Model for Reusable Competency Definitions

Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Communications Society/Power Line Communications

P2030.5

Standard for Smart Energy Profile Protocol

Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Dielectrics and Electrical Insulation Society/Standards Committee

P1043

Recommended Practice for Voltage-Endurance Testing of Form-Wound Bars and Coils
Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Instrumentation and Measurement Society/TC9 – Sensor Technology

P21451-7

Smart Transducer Interface for Sensors and Actuators – Transducers to Radio Frequency Identification (RFID) Systems Communication Protocols and Transducer Electronic Data Sheets (TEDS) for Internet of Things

Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Instrumentation and Measurement Society/TC10 – Waveform Generation
Measurement and Analysis

P1658

Standard for Terminology and Test Methods of Digital-to-Analog Converter Devices
Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Power and Energy Society/Switchgear

PC37.20.3

Standard for Metal-Enclosed Interrupter Switchgear Rated above 1 kV ac up to and including 38 kV ac

Recommendation: Approve PAR for the revision of a standard until December 2022

PC37.121

Guide for Switchgear – Unit Substation – Requirements

Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Power and Energy Society/Transformers

PC57.12.70

Standard for Standard Terminal Markings and Connections for Distribution and Power Transformers

Recommendation: Approve PAR for the revision of a standard until December 2022

PC57.149 Guide for the Application and Interpretation of Frequency Response Analysis for Oil-Immersed Transformers

Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Reliability Society/IEEE Reliability

P1624

Standard for Organizational Reliability Capability

Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P16

Standard for Electrical and Electronic Control Apparatus on Rail Vehicles

Recommendation: Approve PAR for the revision of a standard until December 2022

2.2.5 RevCom Recommendations

NEW

P802.1Qcc/Draft D2.3 (C/LM) IEEE Draft Standard for Local and Metropolitan Area Networks – Media Access Control (MAC) Bridges and Virtual Bridged Local Area Networks Amendment: Stream Reservation Protocol (SRP) Enhancements and Performance Improvements

Recommendation: APPROVE

P802.1Qcp/Draft D2.2 (C/LM) IEEE Draft Standard for Local and Metropolitan Area Networks – Bridges and Bridged Networks Amendment: YANG Data Model

Recommendation: APPROVE

P1934/Draft 2.0 (COM/EdgeCloud-SC) IEEE Draft Standard for Adoption of OpenFog Reference Architecture for Fog Computing

Recommendation: APPROVE

P2030.8/Draft 13 (PE/T&D) IEEE Draft Standard for the Testing of Microgrid Controllers

Recommendation: APPROVE

PC37.30.3/Draft 2-13 (PE/SWG) IEEE Draft Standard Requirements for High Voltage Interrupter Switches, Interrupters or Interrupting Aids used on or attached to Switches Rated for Alternating Currents above 1000 Volts

Recommendation: APPROVE

PC37.30.5/Draft D1.3 (PE/SWG) IEEE Draft Standard for Definitions for AC High-Voltage Air Switches Rated Above 1000 V

Recommendation: APPROVE

PC62.55-2017/Cor 1/Draft 2 (PE/SPDLV) IEEE Draft Trial Use Guide for Surge Protection of DC Power Feeds to Remote Radio Heads – Corrigendum 1

Recommendation: APPROVE

~~**P802.11aq/Draft 14** (C/LM) IEEE Draft Standard for Information Technology – Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks – Specific Requirements Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications Amendment 5: Pre-Association Discovery~~

~~Recommendation: APPROVE~~

P802.11aq was removed from the SASB consent agenda and discussed as item 6.5.

REVISION

P592/Draft D2 (PE/IC) IEEE Draft Standard for Insulation Shields on Medium-Voltage (15 kV – 35 kV) Cable Joints and Separable Connectors

Recommendation: APPROVE

P802.1AR/Draft 2.6 (C/LM) IEEE Draft Standard for Local and Metropolitan Area Networks – Secure Device Identity

Recommendation: APPROVE

P802.3/Draft D3.2 (C/LM) IEEE Draft Standard for Ethernet

Recommendation: APPROVE

P1667/Draft D04 (C/CPSC) IEEE Draft Standard for Discovery, Authentication, and Authorization in Host Attachments of Storage Devices

Recommendation: APPROVE

PC37.59/Draft 14 (PE/SWG) IEEE Draft Standard Requirements for Conversion of Power Switchgear Equipment

Recommendation: APPROVE

PC57.110/Draft 6.2 (PE/TR) IEEE Draft Recommended Practice for Establishing Liquid-Immersed and Dry-Type Power and Distribution Transformer Capability when Supplying Nonsinusoidal Load Currents

Recommendation: APPROVE

3 SASB Standing Committee Reports

3.1 Audit Committee ([AudCom](#))

Annette Reilly, AudCom Chair, reported.

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

Kevin Lu, ICCom Chair, reported.

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

Ted Burse, NesCom Chair, reported.

3.4 Patent Committee ([PatCom](#))

Phil Wennblom, PatCom Chair, reported.

3.5 Procedures Committee ([ProCom](#))

Ted Burse, interim ProCom Chair, reported.

There was a motion from ProCom:

Move to approve the proposed changes to the SASB OpMan RE: Listing of Names in the Front Matter of Standards.

The motion was unanimously approved.

IEEE-SA Standards Board Operations Manual

8. Publications

8.1 Standards

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Upon approval by the IEEE-SA Standards Board, the standard shall be published as an IEEE standard. The Sponsor shall be notified of the approval in writing. Balloters with unresolved negative ballot comments shall be informed in writing of the approval and of their right to appeal.

Working group members and Sponsor ballot group members are listed in the front matter of the published IEEE standard. For entity-based standards, entities are listed and may be accompanied by the individual representing the entity.

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

Gary Hoffman, RevCom Chair, reported.

4 Standards Coordinating Committee Reports

4.1 SCC Coordinator's [Report](#)

Kevin Lu, SCC Coordinator reported.

There was a motion to accept the submitted reports from SCC14 and SCC18.

Gary Hoffman, SCC14 Chair, provided a brief verbal update RE: SCC14.

There was a motion to Divide the Question. The motion failed. [Vote: Yes=3, No=14]

The main motion was approved. [Vote: Yes=15 Abstain=2]

4.2 Scheduled Reports Due in June:

4.2.1 SCC14 – Quantities, Units, and Letter Symbols Information (*Gary Hoffman*)

4.2.2 SCC18 – National Fire Protection Association Standards (*Chris Hunter*)

4.3 [Request to Disband SCC42](#)

There was a motion:

Move to disband SCC42 Transportation per IEEE-SA Standards Board Operations Manual 4.6 *Disbanding a Standards Coordinating Committee* and to withdraw the projects it is sponsoring,

a) P2040 Standard for Connected, Automated and Intelligent Vehicles: Overview and Architecture

b) P2040.1 Standard for Connected, Automated and Intelligent Vehicles: Taxonomy and Definitions

c) P2040.2 Standard for Connected, Automated and Intelligent Vehicles: Testing and Verification

After some discussion, there was a motion to Call the Question. The motion to Call the Question was approved. [Vote: Yes=13 No=3, Abstain=1]

The vote on the main motion failed. [Vote: Yes=3, No=13, Abstain=1]

There was a motion:

Move that the SASB encourages SCC42 to intensify its efforts and obtain substantive contributions from the transportation industry, with a report on results to date to the SASB in September 2018.

The motion was approved without opposition.

There was a motion:

Move that the SASB asks the SCC Coordinator to engage in discussions with SCC42 Transportation and with relevant IEEE Societies and other forums to discuss how IEEE can make progress in standards development for this important area and to report back at the December 2018 SASB meeting.

The motion was approved without opposition.

5 Old Business

5.1 'Sponsor' Terminology Ad Hoc [Report](#)

Phil Wennblom, Ad Hoc Chair, reported.

There was a motion:

The SASB resolves to make the following changes to terminology used in the IEEE-SA:

Change "Sponsor" to "Standards Committee"

Change "Sponsor ballot" to "Standards Association ballot (SA ballot)"

The motion was unanimously approved.

The proposal will be presented to the IEEE-SA Board of Governors for its 09 July 2018 meeting.

5.2 Open Source Ad Hoc [Report](#)

Phil Wennblom, Ad Hoc Chair, reported.

5.3 Phenomenon of Dominance Ad Hoc [Report](#)

Gary Hoffman, Ad Hoc Chair, reported.

5.4 Financial Reporting Requirements

Karen Kenney, Senior Director – Business Operations, Administration and Governance, reported. All groups are in compliance (L50S and audits). No actions needed from SASB.

6 Executive Session Items

Presentations given in open session:

A. 6.2 from Paul Nikolich

The IEEE 802 LAN/MAN Standards Committee Sponsor held a plenary session 5-9 March 2018 and the 802.11 Working Group held an interim session 7-11 May 2018. Please note at the March 2018 plenary session the 802 Sponsor held its customary biennial elections and confirmations of Working Group leaders. As a result, the 802.11 Working Group leadership now consists of Working Group Chair Dorothy Stanley, 1st Vice Chair Jon Rosdahl, 2nd Vice Chair Robert Stacey, Secretary Stephen McCann and Co-Technical Editors Peter Ecclesine and Robert Stacey. Osama Aboul-Magd continues as Chair of the 802.11ax Task Group.

Regarding the main subject of this report, the activities of the 802.11ax Task Group have not changed in any significant way since my reports of 13 February 2018, 13 November 2017, 31 May 2017 and 17 March 2017. In summary, based on observations from me, the Working Group leadership and Task Group leadership, participants in the 802.11ax Task Group have operated well within IEEE policies and procedures since the 802.11 Working Group 16-20 January 2017 interim session.

I request this report be provided to the IEEE SASB members and observers in open session at their 14 June 2018 meeting.

Regards,

Paul Nikolich

Sponsor Chairman of the IEEE 802 LAN/MAN Standards Committee

B. 6.3 .ppt from Sam

No questions from observers.

The SASB entered Executive Session at 1:02 p.m.

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

6.1 Legal Update

6.2 Follow-up on the SASB Ratification of the Actions taken by the IEEE 802 LMSC Sponsor in Connection with the 802.11 TGax Complaint

6.3 IEEE Participation on NFPA Committees

6.4 SCC18 Oversight Committee Report, Part 1

6.5 P802.11aq RevCom Submittal
[Time-Specific: 2:30 p.m.]

Bob Grow attended via phone for this item.

This item began at 2:40 p.m.

Executive Session concluded at 4:07 p.m.

REPORT OUT

- The SASB recommends that SCC18 nominate external representatives to NFPA CMPs and TCs based on their qualifications irrespective of their employer affiliation.
 - The SASB empowers staff to update the SCC18 web site accordingly.
- The SASB approved the RevCom recommendation to approve P802.11aq/Draft 14.

7 SCC18 Oversight Committee [Report](#), Part 2

John Kulick, OC Chair, reported.

There was a motion:

When SCC18 is unable to reach a consensus position on any NFPA related ballot under consideration, the ER is directed to submit an “Abstain” ballot response with only the accompanying comment/explanation:

“IEEE has not reached consensus on this item.”

The motion was approved by unanimous consent.

8 New Business

8.1 Recent Interactions between RAC and RevCom Discussion

Andrew Myles reported.

There was a motion:

Move that the SASB directs the SASB Chair to bring to the BOG’s attention potential conflict of interest within the RAC and the problem that RAC mandatory coordination positions may not be formalized.

The motion was approved by unanimous consent.

9 IEEE-SA Managing Director’s Report

Konstantinos Karachalios, IEEE-SA Managing Director, reported.

10 Informational Reports

10.1 CAG [Report](#)

Chuck Adams reported.

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

Don Wright, IEEE-SA President, reported.

10.3 SASB Chair's [Report](#)

Chair Faure reported.

Chair Faure established an ad hoc to look at SASB Executive Session meeting minutes. A call for members [SASB Members only] will be sent via email. Andrew Myles will chair the ad hoc.

11 Next Meeting

The next SASB meeting is scheduled for Thursday, 27 September 2018, via teleconference/webex.

12 SASB Resolutions

- The SASB recommends that SCC18 nominate external representatives to NFPA CMPs and TCs based on their qualifications irrespective of their employer affiliation. The SASB empowers staff to update the SCC18 web site accordingly.
- When SCC18 is unable to reach a consensus position on any NFPA related ballot under consideration, the ER is directed to submit an Abstain ballot response with only the accompanying comment/explanation: *"IEEE has not reached consensus on this item."*
- The SASB encourages SCC42 to intensify its efforts and obtain substantive contributions from the transportation industry, with a report on results to date to the SASB in September 2018.
- The SASB asks the SCC Coordinator to engage in discussions with SCC42 Transportation and with relevant IEEE Societies and other forums to discuss how IEEE can make progress in standards development for this important area and to report back at the December 2018 SASB meeting.

13 Adjournment

Chair Faure thanked Tania Sanchez-Juarez for doing an excellent job as the on-site meeting planner.

There being no further business, the meeting was adjourned at 5:45 p.m.