IEEE SA Standards Board (SASB) Meeting Minutes
Teleconference/Webex

Session 1: 25 March 2021, 1:00 p.m. – 3:30 p.m. UTC
Session 2: 26 March 2021, 1:00 p.m. – 3:30 p.m. UTC

Attendees

Chair:
Gary Hoffman

Vice Chair:
Jon Rosdahl

Past Chair:
John Kulick

Secretary:
Konstantinos Karachalios

Members:
Edward Addy [TAB Rep.]
Doug Edwards
Ramy Fathy
Travis Griffith
Thomas Koshy
David Law
Howard Li
Johnny Lin
Kevin Lu
Daleep Mohla
Damir Novosel
Annette Reilly
Dorothy Stanley
Mehmet Ulema
Lei Wang
Keith Waters
Karl Weber
Sha Wei

Howard Wolfman
Daidi Zhong (Session 1)

Members Absent:
Chenhui Niu
Daidi Zhong (Session 2)

Joe Koepfinger, Member Emeritus

IEEE Staff:
Adrien Barmaksiz (Session 1)
Kim Breitfelder (Session 1)
Matthew Ceglia
Sri Chandrasekaran
Karen Evangelista
Jonathan Goldberg
Lloyd Green (Session 1)
Yvette Ho Sang
Soo Kim
Michael Kipness (Session 1)
Vanessa Lalitte (Session 1)
Jiajia Liu (Session 1)
Kelly Lorne
Karen McCabe
Erin Morales
Ashley Moran (Session 1)
Adam Newman
Mary Lynne Nielsen (Session 1)
Tania Olabi-Colon (Session 1)
Christian Orlando (Session 1)
Moira Patterson (Session 1)
Lisa Perry (Session 1)
Dave Ringle, Recording Secretary
Pat Roder (Session 1)
Jennifer Santulli (Session 1)
Rudi Schubert (Session 1)
Alpesh Shah
Tom Thompson (Session 1)
Lisa Weisser
Malia Zaman (Session 1)
Meng Zhao (Session 1)

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

Guests:
Chuck Adams
Michael Atlass (Session 1)
Edward Au (Session 1)
Ted Burse (Session 1)
Evelyn Chen (Session 1)
Hadjan Doucoure (Session 1)
Stephen Dukes (Session 2)
Scott Gilfillan (Session 1)
Latonia Gordon (Session 1)
Simon Hicks (Session 1)
Guido Hiertz (Session 1)
Taras Holoyad (Session 1)
Jafar Keshvari (Session 1)
Bruce Kraemer (Session 2)
Joseph Levy (Session 1)
Hung Ling (Session 1)
Xiaohui Liu (Session 1)
Haiying Lu (Session 1)
Jim Matthews
Keith Moore (Session 1)
Paul Nikolich
Glenn Parsons
Robby Robson
Jessy Rouyer (Session 1)
Matteo Sabattini (Session 1)
Lachlan Scully (Session 1)
Mark Siira (Session 1)
Constance Weise (Session 1)
Jodie Williams (Session 1)
Philp Winston
Don Wright
Yu Yuan (Session 1)
Jingyi Zhou (Session 1)
Doug Zuckerman (Session 1)

[NOTE: Some presentations are available to SASB Members in the IEEE SA Standards Board document repository, in the Files & Discussions area, in the March 2021 folder.]

1   Call to Order

Chair Hoffman called the meeting to order at 1:00 p.m. UTC.

2   Introductions

There was a round of introductions by all present on 25 March 2021. It was noted that the meeting was quorate.

3   Agenda
3.1   Approval of Agenda

There was a motion to approve the agenda. In the absence of objection, the motion was approved.

3.2   Consent Agenda
3.2.1   Approval of 03-04 December 2020 SASB Meeting Minutes

3.2.2   AudCom Recommendations

Standards Committee P&Ps

Accepted (*standards work authorized*):

- BOG/SESCom   Board of Governors/Strategic and Emerging Standards Committee

- C/SI   Computer Society/Simulation Interoperability Stds Organization/Stds Activity Committee

- IM/RNIS   Instrumentation and Measurement Society/Radiation and Nuclear Instrumentation and Systems

- IM/ST   Instrumentation and Measurement Society/Sensor Technology

Conditionally Accepted (*standards work authorized*):

- C/PA   Computer Society/Portable Applications
  [Contingent upon one minor editorial correction, to be completed by staff before SASB meeting.]
  NB: This condition has been met.

New Standards Committee Recognition with Accepted P&Ps

Motion: Recommend that the SASB recognize the Instrumentation and Measurement Society/TC45 – Radiation and Nuclear Instrumentation and Systems, to be abbreviated as (IM/RNIS), as an official Standards Committee, in accordance with IEEE SASB Bylaws 5.2.2.

3.2.3   NesCom Recommendations

Modified PARs:

IEEE Computer Society/Smart Manufacturing Standards Committee

P2975
Standard for Industrial Artificial Intelligence (AI) Data Attributes
Recommendation: Approve modified PAR

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1349
Guide for the Application of Electric Machines in Zone 2 and Class I, Division 2 Hazardous (Classified) Locations
Recommendation: Approve modified PAR

IEEE Microwave Theory and Techniques Society/Standards Coordinating Committee

P1765
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/Nuclear Power Engineering

P845
Guide for the Evaluation of Human-System Performance in Nuclear Power Generating Stations and Other Nuclear Facilities
Recommendation: Approve modified PAR

IEEE Power and Energy Society/Substations

P1264
Guide for Animal Mitigation for Electric Power Supply Substations
Recommendation: Approve modified PAR

Extension Requests:

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

P1491
Recommended Practice for Battery Monitoring in Stationary Applications
Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P1686
Standard for Intelligent Electronic Devices Cyber Security Capabilities
Recommendation: Approve request for an extension until December 2022

PC37.118.2
Standard for Synchrophasor Data Transfer for Power Systems
Recommendation: Approve request for an extension until December 2022

PC37.240
Standard Cybersecurity Requirements for Power System Automation, Protection, and Control Systems
Recommendation: Approve request for an extension until December 2023

IEEE Power Electronics Society/Standards Committee

P2004
Hardware-in-the-Loop (HIL) Simulation Based Testing of Electric Power Apparatus and Controls

Recommendation: Approve request for an extension until December 2023

<u>New PARs:</u>

IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee

P1900.8
Standard for Training, Testing, and Evaluating Machine-Learned Spectrum Awareness Models
Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Artificial Intelligence Standards Committee

P2986
Recommended Practice for Privacy and Security for Federated Machine Learning
Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Blockchain and Distributed Ledgers

P3217
Standard for Application Interface Specification for Blockchain Systems
Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P2989
Standard for Authentication in a Multi-Server Environment
Recommendation: Approve new PAR until December

IEEE Computer Society/Data Compression Standards Committee

P2941.1
Standard for Operator Interfaces of Artificial Intelligence
Recommendation: Approve new PAR until December 2025

IEEE Computer Society/LAN/MAN Standards Committee

P802.1ASdr

Standard for Local and Metropolitan Area Networks – Timing and Synchronization for Time-Sensitive Applications
Amendment: Inclusive Terminology
Recommendation: Approve new PAR until December 2025

P802.3dd
Standard for Ethernet
Amendment: Maintenance #17: Power over Data Lines of Single Pair Ethernet
Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Learning Technology

P9274.2.1
Standard for JavaScript Object Notation for Linked Data (JSON-LD) for Application Profiles of Learner Experience Data
Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Standards Activities Board

P2807.4
Guide for Scientific Knowledge Graphs
Recommendation: Approve new PAR until December 2025

IEEE Engineering in Medicine and Biology Society/Standards Committee

P1847.1
Recommended Practice for Location Accuracy User Acceptance Test for Location Services for Healthcare
Recommendation: Approve new PAR until December 2025

P4006
Standard for Remote Sensing Frequency Band Radio Frequency Interference (RFI) Impact Assessment
Recommendation: Approve new PAR until December 2025

IEEE Instrumentation and Measurement Society/TC45 – Radiation and Nuclear Instrumentation and Systems

PN42.22

Standard for Traceability of Radioactive Sources to National Institute of Standards and Technology (NIST) and Associated Instrument Quality Control
Recommendation: Approve new PAR until December 2025

PN42.23
Standard for Measurement and Associated Instrument Quality Assurance for Radioassay Laboratories
Recommendation: Approve new PAR until December 2025

PN42.43
Standard for Mobile Radiation Monitors for Homeland Security
Recommendation: Approve new PAR until December 2025

PN42.61
Standard for Radiation Data Format for Streaming in Real-Time Data from Radiation Detection Instruments to a Smartphone or Tablet
Recommendation: Approve new PAR until December 2025

PN42.62
Standard for Passive Radiation Imaging Systems
Recommendation: Approve new PAR until December 2025

PN42.63
Recommended Practice for Unmanned Aerial Radiation Measurement Systems (UARaMS)
Recommendation: Approve new PAR until December 2025

IEEE Power and Energy Society/Substations

PC37.430.10
Standard Definitions for Flexible Alternating Current Transmission Systems (FACTS) and High Voltage Direct Current (HVDC) Stations
Recommendation: Approve new PAR until December 2025

IEEE Power Electronics Society/Standards Committee

P2988
Recommended Practice for Use and Functions of Virtual Synchronous Machines
Recommendation: Approve new PAR until December 2025

PARs for the Revision of Standards:

IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee

P1900.1
Standard for Definitions and Concepts for Dynamic Spectrum Access: Terminology Relating to Emerging Wireless Networks, System Functionality, and Spectrum Management
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Computer Society/Design Automation

P1685
Standard for IP-XACT, Standard Structure for Packaging, Integrating, and Reusing IP within Tool Flows
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Engineering in Medicine and Biology Society/Standards Committee

P1847
Recommended Practice for Common Framework of Location Services for Healthcare
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Nuclear Power Engineering

P933
Guide for the Definition of Reliability Program Plans for Nuclear Generating Stations and Other Nuclear Facilities
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P61850-9-3

IEEE SA STANDARDS ASSOCIATION

61850-9-3, Edition 2: Communication Networks and Systems for Power Utility Automation – Part 9-3: Precision Time Protocol Profile for Power Utility Automation
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Power System Relaying and Control

PC37.239
Standard for Common Format for Event Data Exchange (COMFEDE) for Power Systems
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Transmission and Distribution

P1808
Guide for Collecting and Managing Transmission Line Inspection and Maintenance Data
Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power Electronics Society/Standards Committee

P61007-389
Standard for Transformers and Inductors for Use in Electronic and Telecommunication Equipment – Measuring Methods and Test Procedures
Recommendation: Approve PAR for the revision of a standard until December 2025

Standards Committee Changes:

P2894 Guide for an Architectural Framework for Explainable Artificial Intelligence
P2961 Guide for an Architectural Framework and Application for Collaborative Edge Computing
P3652.1 Guide for Architectural Framework and Application of Federated Machine Learning

Current Standards Committee: C/LT; New Standards Committee: C/AISC

3.2.4   RevCom Recommendations

New:

IEEE Computer Society/LAN/MAN Standards Committee

P802.11ay/Draft 7.0
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 2: Enhanced Throughput for Operation in License-Exempt Bands above 45 GHz
Recommendation: APPROVE

P802.11ba/Draft 8.0
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 3: Wake-Up Radio Operation
Recommendation: APPROVE

P802.19.3/Draft 0.08
IEEE Draft Recommended Practice for Local and Metropolitan Area Networks – Part 19: Coexistence Methods for 802.11 and 802.15.4 Based Systems Operating in the Sub-1 GHz Frequency Bands
Recommendation: APPROVE

IEEE Power and Energy Society/Nuclear Power Engineering

P63113/Draft 3.0
IEC/IEEE Draft International Standard – Nuclear Facilities – Instrumentation Important to Safety – Spent Fuel Pool Instrumentation
Recommendation: APPROVE

IEEE Power and Energy Society/Power System Communications and Cybersecurity

PC93.5/Draft 7.6
IEEE Draft Standard for Power Line Carrier Transmitter/Receiver Equipment Used to Transfer Discrete Teleprotection Signals
Recommendation: APPROVE

IEEE Power and Energy Society/Switchgear

PC37.20.7-2017/Cor 1/Draft 3
IEEE Draft Guide for Testing Switchgear Rated up to 52 kV for Internal Arcing Faults – Corrigendum 1
Recommendation: APPROVE

IEEE Power and Energy Society/Transmission and Distribution

P2772/Draft 7.1
IEEE Draft Standard for Test Method for Energy Loss of Overhead Conductors
Recommendation: APPROVE

Revision:

IEEE Communications Society/Edge, Fog, Cloud Communications with IOT and Big Data Standards Committee

P2410/Draft 10
IEEE Draft Standard for Biometric Privacy
Recommendation: APPROVE

IEEE Computer Society/Software & Systems Engineering Standards Committee

P15026-4/Draft 5
ISO/IEC/IEEE Draft International Standard – Systems and Software Engineering – Systems and Software Assurance – Part 4: Assurance in the Life Cycle
Recommendation: APPROVE

P24774/Draft 3
ISO/IEC/IEEE Draft International Standard – Systems and Software Engineering – Life Cycle Management – Specification for Process Description
Recommendation: APPROVE

IEEE Industry Applications Society/Petroleum & Chemical Industry

P841/Draft 10

IEEE Draft Standard for Petroleum and Chemical Industry – Premium-Efficiency, Severe-Duty, Totally Enclosed Squirrel Cage Induction Motors – 0.75-370 kW (1-500 hp)
Recommendation: APPROVE

IEEE Power and Energy Society/Power System Relaying and Control

PC37.91/Draft 17
IEEE Draft Guide for Protecting Power Transformers
Recommendation: APPROVE

PC37.242/Draft 4
IEEE Draft Guide for Synchronization, Calibration, Testing, and Installation of Phasor Measurement Units (PMUs) for Power System Protection and Control
Recommendation: APPROVE

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P1653.3/Draft 56
IEEE Draft Guide for Rail Transit Traction Power Systems Modeling
Recommendation: APPROVE

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

PC95.3/Draft 3
IEEE Draft Recommended Practice for Measurements and Computations of Electric, Magnetic, and Electromagnetic Fields with Respect to Human Exposure to Such Fields, 0 Hz-300 GHz
Recommendation: APPROVE

3.2.5   Standards for Transfer to Inactive-Reserved Status

4   SASB Responsibilities and Fiduciary Duty

Claire Topp presented.

5   Appointment of the SASB Vice Chair

There were three candidates who had been nominated and accepted the nomination: Kevin Lu, Annette Reilly, and Jon Rosdahl.

The SASB conducted an email ballot. The result was announced at the beginning of Session 2.

Jon Rosdahl was appointed as the SASB Vice Chair.

6   SASB Standing Committee Reports
6.1   Audit Committee ([AudCom](#))

Kevin Lu, AudCom Chair, reported.

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

Dorothy Stanley, NesCom Chair, reported.

6.3   Patent Committee ([PatCom](#))

David Law, PatCom Chair, reported.

6.4   Procedures Committee ([ProCom](#))

John Kulick, ProCom Chair, reported.

Any SASB Member who is interested in joining the ProCom Ad Hoc noted in item 6.2 of the [March 2021 ProCom meeting minutes](#) should send an email to ProCom Chair Kulick and to Dave Ringle.

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

Travis Griffith, RevCom Chair, reported.

7   Standards Coordinating Committee Reports
7.1   SCC Coordinator's [Report](#)

Mehmet Ulema, SCC Coordinator reported.

There was a motion to accept the submitted reports from SCC04, SCC20, SCC22, and SCC39 [December 2020]. In the absence of objection, the motion was approved.

7.2   Scheduled Report Due in March:
7.2.1   SCC04 – Electrical Insulation
7.2.2   SCC20 – Test and Diagnosis for Electronic Systems
7.2.3   SCC22 – Power Quality
7.2.4   SCC39 – International Committee on Electromagnetic Safety

7.3   [Report](#) from the Ad Hoc Evaluating SCCs within IEEE SA Governance

Mehmet Ulema, Ad Hoc Chair, reported.

8   Old Business

None.

9   Informational Reports
9.1   CAG [Report](#)

Don Wright, SASB liaison to the CAG, reported.

9.2   Standards Education Committee [Update](#)

Robby Robson, Standards Education Committee Chair, reported.

9.3   IEEE SA President's [Report](#)

Jim Matthews, IEEE SA President, reported.

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

Konstantinos Karachalios, IEEE SA Managing Director, reported.

9.5   SASB Chair's [Report](#)

Chair Hoffman reported.

Chair Hoffman formed an ad hoc group in regards to item 6.1 of the March 2021 ProCom meeting minutes.

Name: SASB Ad Hoc on Application of the Commercial Terms Clause

Any SASB Member or SASB Standing Committee Member who is interested in joining the Ad Hoc should send an email to Chair Hoffman and to Dave Ringle.

10   New Business
10.1   FelCom Update

Doug Zuckerman, FelCom Chair, reported.

11   **Next Meeting**

The next SASB meeting is scheduled for 16 June 2021 via teleconference/Webex.

12   SASB Resolutions

The SASB recognized the Instrumentation and Measurement Society/TC45 - Radiation and Nuclear Instrumentation and Systems, to be abbreviated as (IM/RNIS), as an official Standards Committee, in accordance with IEEE SASB Bylaws 5.2.2.

The SASB recessed at 3:28 p.m. UTC on 25 March 2021.

The SASB reconvened at 1:00 p.m. UTC on 26 March 2021.

The SASB entered Executive Session at 1:00 p.m. UTC on 26 March 2021.

Remaining in the meeting: BOG Members, SASB Members, IEEE SA Senior Directors, IEEE SA Governance staff, Yvette Ho Sang, Erin Morales, Jonathan Goldberg, Soo Kim, Claire Topp, Bruce Kraemer, Paul Nikolich, Glenn Parsons, Philip Winston

13   Executive Session Items
13.1   SASB Oversight Committee RE: a Specific Standards Committee

13.2   Ad Hoc Report RE: Recent Claim

Executive Session concluded at 3:02 p.m. UTC on 26 March 2021.

REPORT OUT:
The SASB received a report from the SASB Oversight Committee RE: a Specific Standards Committee.

The SASB received a report from the Ad Hoc RE: Recent Claim.

14   Adjournment

There being no further business, the meeting was adjourned at 3:03 p.m. UTC on 26 March 2021.