

**IEEE SA Standards Board (SASB) Meeting Minutes
30 March 2023
Mexico City, Mexico and Teleconference/Webex
9:00 a.m. – 5:00 p.m. CST (UTC-6)**

Attendees

Chair:

David Law

Vice Chair:

Ted Burse

Past Chair:

Gary Hoffman

Secretary:

Konstantinos Karachalios

Members:

Sara Biyabani

Doug Edwards

Ramy Fathy

Guido Hiertz

Yousef Kimiagar

Thomas Koshy

John Kulick

Joseph Levy

Howard Li

Johnny Lin

Xiaohui Liu

Kevin Lu

Daleep Mohla

Andrew Myles

Paul Nikolich [TAB Rep.]

Annette Reilly

Robby Robson

Lei Wang

Keith Waters

Karl Weber

Philip Winston
Don Wright

Members Absent:

Gui Liu

Joe Koepfinger, Member Emeritus

IEEE Staff:

Christy Bahn
Adrien Bastos
Madhu Bibikar
Hermann Brand
Kim Breitfelder
Matthew Ceglia
Anta Cisse-Green
Rob Craig
Susan England-Lutz
Karen Evangelista
Jonathan Goldberg
Lloyd Green
Yvette Ho Sang
Ron Hotchkiss
Patrycja Jarosz
Soo Kim
Michael Kipness
Vanessa Lalitte
Juanita Lewis
Jiajia Liu
Kelly Lorne
Karen McCabe
Patrick McCarren
Suzanne Merten
Karen Mulberry
Mary Lynne Nielsen
Tania Olabi-Colon
Christian Orlando
Maira Patterson
Shana Pepin
Purva Rajkotia
Dave Ringle, Recording Secretary
Pat Roder

Jennifer Santulli
Rosalinda Saravia
Rudi Schubert
Tom Thompson
Lisa Weisser
Charmain Williams
Malia Zaman

IEEE Outside Legal Counsel:

Claire Topp – Dorsey & Whitney LLP

Guests:

Amelia Andersdotter
Michael Atlass
Edward Au
David Chen
Stephen Dukes
Mathews George
Jim Goodell
Latonia Gordon
Travis Griffith
Bob Grow
Joe Gwinn
Tyler Jaynes
Hung Ling
Haiying Lu
Meng Lu
Jeremy Marvel
Jim Matthews
Kishik Park
Glenn Parsons
Denia Psarrou
Pablo Realpozo
Jon Rosdahl
Mark Siira
Barry Tilton
Constance Weise
Howard Wolfman
Yu Yuan

[NOTE: Some presentations are available to SASB Members in the IEEE SA [Standards Board document repository](#), in the Files & Discussions area, in the March 2023 folder.]

1 Call to Order

SASB Chair David Law called the meeting to order at 9:05 a.m. CST (UTC-6).

2 Introductions

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

Chair Law welcomed the attending GEPS representatives to the meeting.

3 [SASB Responsibilities and Fiduciary Duty](#)

Claire Topp, IEEE Outside Legal Counsel, provided information to the SASB.

SASB Members were reminded that if they would like to use IEEE Outside Legal Counsel they must first contact Yvette Ho Sang and Dave Ringle to obtain authorization.

4 Agenda

4.1 Approval of [Agenda](#)

There was a request to add the following item to the agenda under New Business:

9.1 Outreach Presentations – Hiertz

There was a request to remove item 4.2.6 from the Consent Agenda. It will be moved to item 7.1.

There was a motion to approve the agenda, as amended. In the absence of objection, the motion was approved by unanimous consent.

4.2 Consent Agenda

4.2.1 Approval of 03 December 2022 SASB Meeting [Minutes](#)

4.2.2 Approval of 27 February 2023 SASB Meeting [Minutes](#)

4.2.3 AudCom Recommendations

Standards Committee P&Ps

Accepted (standards work authorized):

BOG/ICES	IEEE SA Board of Governors/International Committee on Electromagnetic Safety
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Note: BOG/ICES was formerly SASB/SCC39

COM/Access-Core	Communications Society/Access and Core Networks Standards Committee
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PE/SPDC	Power and Energy Society/Surge Protective Devices Committee
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4.2.4 NesCom Recommendations

Modified PARs:

IEEE Communications Society/Power Line Communications

P2030.5

Standard for Smart Energy Profile Protocol

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Smart Buildings, Loads and Customer Systems

P2418.5

Guide for Blockchain in Power and Energy Systems

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Substations

P81

Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Grounding System

Recommendation: Approve modified PAR

PC37.122.10

Guide for Handling Non-Sulphur Hexafluoride (SF6) Gases for High-Voltage Equipment Rated above 1000 Vac

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Surge Protective Devices Committee

PC62.21

Guide for the Application of Surge Voltage Protective Equipment on AC Rotating Machinery 1000 Volts and Greater

Recommendation: Approve modified PAR

Extension Requests:

IEEE Power and Energy Society/Transformers

PC57.12.40

Standard for Network, Three-Phase Transformers, 2500 kVA and Smaller; High Voltage, 34 500 V and Below; Low Voltage, 600 V and Below; Subway and Vault Types (Liquid Immersed)

Recommendation: Approve request for an extension until December 2025

IEEE Power and Energy Society/Transmission and Distribution

P1227

Guide for the Measurement of DC Electric-Field Strength and Ion Related Quantities

Recommendation: Approve request for an extension until December 2024

P2844

Recommended Practice for Limiting Voltage Imbalance in Electric Power Systems

Recommendation: Approve request for an extension until December 2025

IEEE SA Board of Governors/Corporate Advisory Group

P2413.1

Standard for a Reference Architecture for Smart City (RASC)

Recommendation: Approve request for an extension until December 2024

New PARs:

IEEE Communications Society/Mobile Communication Networks Standards Committee

P1944

Standard for Channel Models of Wireless Systems

Recommendation: Defer new PAR until the next NesCom meeting to provide time for the submitter to work with NesCom commenters to clarify the gaps noted on the PAR and the use of the term 'existing' in the scope

IEEE Computer Society/Artificial Intelligence Standards Committee

P3342

Standard for Functional Requirements of Toolchain for Artificial Intelligence Model Deployment on Edge Devices

Recommendation: Approve new PAR until December 2027

P3350 Recommended Practice for Improving Generalizability of Artificial Intelligence for Medical Imaging

Recommendation: Approve new PAR until December 2027

P3354

Trial-Use Recommended Practice for 3D Object Reconstruction from Multi-View Images Based on Deep Learning

Recommendation: Approve new PAR until December 2027

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P3361

Standard for Evaluation Method of Robustness of Digital Watermarking Implementation in Digital Contents

Recommendation: Approve new PAR until December 2027

IEEE Computer Society/Software & Systems Engineering Standards Committee

P26516

Systems and Software Engineering – Design and Development of Instructional Videos and Animations

Recommendation: Approve new PAR until December 2027

P26517

Systems and Software Engineering – Development of User Assistance in Mobile Applications

Recommendation: Approve new PAR until December 2027

IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee

P3811

Standard for Security Service Specifications for DLT-Based Supply Chain Finance

Recommendation: Approve new PAR until December 2027

P3817

Standard for Natural Gas Market Knowledge Graphs

Recommendation: Approve new PAR until December 2027

P3818

Standard for Technical Requirements of Blockchain-Based Data Management for Medical Service

Recommendation: Approve new PAR until December 2027

IEEE Instrumentation and Measurement Society/TC41 – Traffic Enforcement Technologies

P3360

Standard for the Performance of On-Site Oral Fluid Drug Screening Devices

Recommendation: Approve new PAR until December 2027

IEEE Power and Energy Society/Switchgear

P62271-37-013-2021/Cor 1

International Standard for High-Voltage Switchgear and Controlgear – Part 37-013: Alternating Current Generator Circuit-Breakers – Corrigendum 1

Recommendation: Approve new PAR until December 2027

IEEE Power and Energy Society/Transformers

PC57.132

Guide for Vibration Testing of Oil-immersed High-Voltage Direct Current (HVDC) Converter Transformer (± 160 kV dc to ± 1100 kV dc)

Recommendation: Approve new PAR until December 2027

IEEE Power and Energy Society/Transmission and Distribution

P3353

Guide for Staged Fault Test of Alternating Current/Direct Current (AC/DC) Transmission Lines

Recommendation: Approve new PAR until December 2027

IEEE SA Board of Governors/Corporate Advisory Group

P3358

Standard for Technical Requirements for Low-Code Application Platform (LCAP)

Recommendation: Approve new PAR until December 2027

P8000

Standard for Characterization and Specification of Ethical Properties in Autonomous Intelligent Systems (AIS)

Recommendation: Approve new PAR until December 2027

IEEE Signal Processing Society/Synthetic Aperture Standards Committee

P3355

Standard for Deriving Synthetic Aperture Radar Resolution Capabilities

Recommendation: Approve new PAR until December 2027

IEEE Society on Social Implications of Technology/Social Implications of Technology Standards Committee

P7016.1

Standard for Ethically Aligned Educational Metadata in Extended Reality (XR) & Metaverse

Recommendation: Approve new PAR until December 2027

P7802

Standard for Measurement and Verification of Reduction of Greenhouse Gases for Climate Action Projects and Solutions

Recommendation: Approve new PAR until December 2027

IEEE Vehicular Technology Society/Automated Vehicles Standards Committee

P3359

Trial-Use Guide for Testing Methods for Proton Exchange Membrane Fuel Cell Systems in Automotive Applications Using Compressed Hydrogen as Fuel

Recommendation: Approve new PAR until December 2027

IEEE Vehicular Technology Society/High Speed Train and Maglev Standards Committee

P3351

Standard for Levitation System of Electromagnetic Suspension Type of Magnetic Levitation Vehicle

Recommendation: Approve new PAR until December 2027

P3352

Standard for Test Specification of Short Stator Maglev Train

Recommendation: Approve new PAR until December 2027

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.2.2

Standard Wireless Access in Vehicular Environments (WAVE) – Multi-Jurisdictional Interoperability Using Security Credentials Originating in Disparate Policy Domains

Recommendation: Approve new PAR until December 2027

IEEE Vehicular Technology Society/Overhead Contact Systems

P3357

Recommended Practice for Grounding Overhead Contact System (OCS) Poles and Supports on Light Rail Transit Systems

Recommendation: Approve new PAR until December 2027

PARs for the Revision of Standards:

IEEE Computer Society/LAN/MAN Standards Committee

P802.3.1

Standard for Ethernet Structure of Management Information version 2 (SMIPv2) Data Model Definitions

Recommendation: Approve PAR for the revision of a standard until December 2027

P802.3.2

Standard for Ethernet – YANG Data Model Definitions

Recommendation: Approve PAR for the revision of a standard until December 2027

IEEE Power and Energy Society/Insulated Conductors

P1844

Standard Test Procedure for Determining Circuit Integrity Performance of Fire Resistive Cables in Nuclear Facilities

Recommendation: Approve PAR for the revision of a standard until December 2027

4.2.5 RevCom Recommendations

New:

IEEE Computer Society/Blockchain and Distributed Ledgers

P3205/Draft 6.1

IEEE Draft Standard for Blockchain Interoperability – Data Authentication and Communication Protocol

Recommendation: APPROVE

IEEE Computer Society/LAN/MAN Standards Committee

P802.3cx/Draft 3.3

IEEE Draft Standard for Ethernet Amendment 6: Media Access Control (MAC) Service Interface and Management Parameters to Support Improved Precision Time Protocol (PTP) Timestamping Accuracy

Recommendation: APPROVE

P802.3cz/Draft 3.2

IEEE Draft Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for Multi-Gigabit Optical Ethernet Using

Graded-Index Glass Optical Fiber for Application in the Automotive Environment

Recommendation: APPROVE

IEEE Computer Society/Learning Technology

P9274.1.1/Draft 4.0

IEEE Draft Standard for Learning Technology – JavaScript Object Notation (JSON) Data Model Format and Representational State Transfer (RESTful) Web Service for Learner Experience Data Tracking and Access

Recommendation: APPROVE

IEEE Computer Society/Software & Systems Engineering Standards Committee

P24641/Draft 5

ISO/IEC/IEEE Draft International Standard – Systems and Software Engineering – Methods and Tools for Model-Based Systems and Software Engineering

Recommendation: APPROVE

P24748-9/Draft 4

ISO/IEC/IEEE Draft International Standard – Systems and Software Engineering – Part 9: Application of System and Software Life Cycle Processes in Epidemic Prevention and Control Systems

Recommendation: APPROVE

IEEE Consumer Technology Society/Emerging Technology Standards Committee

P2785/Draft 11

IEEE Draft Standard for Architectural Framework and General Requirements for Smart Home Systems

Recommendation: APPROVE

P2952/Draft 4

IEEE Draft Standard for Secure Computing Based on Trusted Execution Environment

Recommendation: APPROVE

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

PN42.62/Draft 4

IEEE Draft Standard for Passive Radiation Imaging Systems

Recommendation: APPROVE

IEEE Photonics Society/Standards Committee

P2999/Draft 3

IEEE Draft Guide for Technical Requirements and Test Methods for Industrial Ultrashort Pulse Lasers

Recommendation: APPROVE

IEEE Power and Energy Society/Transmission and Distribution

P516-2021/Cor 1.1/Draft 2

IEEE Draft Guide for Maintenance Methods on Energized Power Lines – Corrigendum 1.1

Recommendation: APPROVE

P2749/Draft 6

IEEE Draft Recommended Practice for Risk Identification and Evaluation of Smart Power Distribution System

Recommendation: APPROVE

P2938/Draft 3.3

IEEE Draft Guide for Economic Loss Evaluation of Sensitive Industrial Customers Caused by Voltage Sags

Recommendation: APPROVE

Revision:

IEEE Computer Society/Software & Systems Engineering Standards Committee

P15288/Draft 4

ISO/IEC/IEEE Draft Standard – Systems and Software Engineering – System Life Cycle Processes

Recommendation: APPROVE

IEEE Consumer Technology Society/Emerging Technology Standards Committee

P1851/Draft 2.4

IEEE Draft Standard for Design Criteria of Integrated Sensor-Based Test Applications for Household Appliances

Recommendation: APPROVE

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

P11073-10421/Draft 4

IEEE Draft Standard for Health Informatics – Device Interoperability – Part 10421: Personal Health Device Communication – Device Specialization – Peak Expiratory Flow Monitor (Peak Flow)

Recommendation: APPROVE

P11073-10425/Draft 4

IEEE Draft Standard for Health Informatics – Device Interoperability – Part 10425: Personal Health Device Communication – Device Specialization – Continuous Glucose Monitor (CGM)

Recommendation: APPROVE

P11073-10471/Draft 6

IEEE Draft Standard for Health Informatics – Device Interoperability - Part 10471: Personal Health Device Communication – Device Specialization – Independent Living Activity Hub

Recommendation: Approve

P11073-10472/Draft 5

IEEE Draft Standard for Health Informatics – Device Interoperability – Part 10472: Personal Health Device Communication – Device Specialization – Medication Monitor

Recommendation: Approve

IEEE Power and Energy Society/Analytic Methods for Power Systems

P762/Draft 42

IEEE Draft Standard Definitions for Use in Reporting Electric Generating Unit Reliability, Availability, and Productivity

Recommendation: APPROVE

IEEE Power and Energy Society/Nuclear Power Engineering

PC37.98/Draft 3

IEEE Draft Standard for Seismic Qualification Testing of Protective Relays and Auxiliaries for Nuclear Facilities

Recommendation: APPROVE

5 Appointment of the SASB Vice Chair

There were two candidates who had been nominated and accepted the nomination: Ted Burse and Ramy Fathy.

The SASB conducted an email ballot.

Ted Burse 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](#))

Lei Wang, NesCom Chair, reported.

6.3 Patent Committee ([PatCom](#))

John Kulick, PatCom Chair, reported.

6.4 Procedures Committee ([ProCom](#))

Ted Burse, ProCom Chair, reported.

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

Keith Waters, RevCom Chair, reported.

7 Old Business

7.1 [Standards for Transfer to Inactive-Reserved Status](#)

There was a motion to approve the entire list of standards for transfer to inactive-reserved status. The motion was approved.

8 Informational Reports

8.1 CAG [Report](#)

Don Wright, SASB Liaison to the CAG, reported.

There was a request for statistics regarding ICCom activities that led to PARs.

There was a request to further breakdown the 'New Frontiers / AI / Sociotechnical' listing.

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

Yu Yuan, IEEE SA President, reported.

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

This item occurred after item 8.5.

Konstantinos Karachalios, IEEE SA Managing Director, reported.

Konstantinos noted that Environmentally Aligned Design could be a new IEEE SA initiative, under parameters set by the IEEE SA BOG.

8.4 SASB Chair's [Report](#)

Chair Law reported.

8.5 TAB CoS [Update](#) [*Time-Specific: 11:45 a.m. CST*]

This item occurred after item 8.2.

Edward Au, TAB Committee on Standards (TAB Cos) Chair, reported.

9 New Business

9.1 Outreach Presentations

Guido Hiertz expressed concern over adherence to IEEE SA styles within outreach presentations.

10 [Next Meeting](#)

The next SASB meeting will be scheduled for 29 June 2023 in Brussels, Belgium.

11 **SASB Resolutions**

None.

The SASB entered Executive Session at 3:00 p.m. CST (UTC-6).

12 **Executive Session Items**

12.1 SASB Oversight Committee RE: a Specific Standards Committee

12.2 Report from Ad Hoc RE: Standards Development Activities

Executive Session concluded at 5:06 p.m. CST (UTC-6). There was no report out.

13 **Adjournment**

There being no further business, the meeting was adjourned at 5:07 p.m. CST (UTC-6).