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
Moira 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
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):**

<table>
<thead>
<tr>
<th>BOG/ICES</th>
<th>IEEE SA Board of Governors/International Committee on Electromagnetic Safety</th>
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</thead>
<tbody>
<tr>
<td>Note: BOG/ICES was formerly SASB/SCC39</td>
<td></td>
</tr>
<tr>
<td>COM/Access-Core</td>
<td>Communications Society/Access and Core Networks Standards Committee</td>
</tr>
<tr>
<td>PE/SPDC</td>
<td>Power and Energy Society/Surge Protective Devices Committee</td>
</tr>
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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


**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**
**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**

**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**

**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 (SMIv2) 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**
Graded-Index Glass Optical Fiber for Application in the Automotive Environment

**Recommendation:** APPROVE

**IEEE Computer Society/Learning Technology**

**P9274.1.1/Draft 4.0**

**Recommendation:** APPROVE

**IEEE Computer Society/Software & Systems Engineering Standards Committee**

**P24641/Draft 5**

**Recommendation:** APPROVE

**P24748-9/Draft 4**

**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
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
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
**Recommendation:** APPROVE

P11073-10425/Draft 4
**Recommendation:** APPROVE

P11073-10471/Draft 6
**Recommendation:** Approve

P11073-10472/Draft 5
**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).