IEEE SA STANDARDS BOARD (SASB)
DRAFT Meeting Minutes
21 March 2024
London, UK and Teleconference/Webex
9:00 a.m. – 5:00 p.m. UTC+0

Attendees

Chair:
David Law

Vice Chair:
Jon Rosdahl

Past Chair:
Gary Hoffman

Members:
Sara Biyabani
Ted Burse
Stephen Dukes
Doug Edwards
Travis Griffith
Guido Hiertz
Ron Hotchkiss
Hao Hu
Yousef Kimiagar
Howard Li
Xiaohui Liu
Haiying (John) Lu
Kevin Lu
Hiroshi Mano
Paul Nikolich [TAB Rep.]
Robby Robson
Lei Wang
Keith Waters
Sha Wei
Philip Winston
Don Wright

IEEE SA STANDARDS ASSOCIATION

Members Absent:
Alpesh Shah, Secretary
Joe Koepfinger, Member Emeritus

IEEE Staff:
Christy Bahn
Adrien Bastos
Teresa Belmont
Ahsaki Benion
Kim Breitfelder
Anita Bulan
Matthew Ceglia
Susan England-Lutz
Karen Evangelista
Josh Gay
Dalisa Gonzalez
Jonathan Goldberg
Lloyd Green
Jodi Haasz
Matthew Herdlein
Yvette Ho Sang
Usha Jagannathan
Patrycja Jarosz
Soo Kim
Michael Kipness
Jon Labrador
Vanessa Lalitte
Juanita Lewis
Jiajia Liu
Kelly Lorne
Karen McCabe
Suzanne Merten
Erin Morales
Mary Lynne Nielsen
Christian Orlando
Moira Patterson
Shaha Pepin
Dave Ringle, Recording Secretary
Heather Robinson
Pat Roder
Jennifer Santulli
Rosalinda Saravia

Rudi Schubert
Ravi Subramaniam
Tom Thompson
Malia Zaman
Meng Zhao

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

Guests:
Edward Au
Xiaofeng (Alfred) Chen
Tek Bahadur Chhetri
Ramy Fathy
James Gilb
Latonia Gordon
Tyler Jaynes
Thomas Koshy
Joseph Levy
Ruth Lewis
Johnny Lin
Jim Matthews
Andrew McStay
Daleep Mohla
Glenn Parsons
Annette Reilly
Lachlan Scully
Dorothy Stanley
Donnie Swing
Barry Tilton
Mehmet Ulema
Constance Weise

[NOTE: Some presentations are available to SASB Members in the IEEE SA Standards Board document repository, in the Files & Discussions area, in the March 2024 folder.]

1 Call to Order

SASB Chair David Law called the meeting to order at 9:00 a.m. UTC+0.

2 Introductions

There was a round of introductions by all present.

It was noted that the meeting was quorate.

Chair Law noted the new GEPS representatives since the last SASB meeting.

Chair Law welcomed everyone to the meeting.

3 SASB Responsibilities and Fiduciary Duty

Ahsaki Benion, Deputy General Counsel – Standards, and Claire Topp, IEEE Outside Legal Counsel, provided information to the SASB.

4 Agenda
4.1 Approval of Agenda

There was a motion to approve the agenda.

There was a motion to amend the agenda by adding a New Business item 'Standards Development Process and Adjacent Areas (e.g., Social Sciences) – Biyabani'. The motion to amend failed. [Vote: Yes=10, No=11, Abstain=2]

In the absence of objection, the motion to approve the agenda (unmodified) was approved.

4.2 Consent Agenda
4.2.1 Approval of 06 December 2023 SASB Meeting Minutes

4.2.2 Standards for Transfer to Inactive-Reserved Status

4.2.3 AudCom Recommendations

Standards Committee P&Ps

Accepted (*standards work authorized*):

BOG/CAG   IEEE SA Board of Governors/Entity Collaborative Activities Governance Board

4.2.4 NesCom Recommendations

<u>PAR Number Change Request</u>

IEEE Instrumentation and Measurement Society/TC39 – Measurements in Power Systems (IM/MPS) has requested a project number change from P61869-105 to P61869-21.

<u>Modified PARs</u>

IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee

P1937.8
Recommended Practice for Functional and Interface Specifications for Unmanned Aerial Vehicle (UAV) Cellular Communication Terminals
Recommendation: Approve modified PAR.

IEEE Computer Society/LAN/MAN Standards Committee

P802.11bf
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: Enhancements for Wireless Local Area Network (WLAN) Sensing
Recommendation: Approve modified PAR.

IEEE Computer Society/Standards Activities Board Standards Committee

P3079.2
Standard for Mixed Reality (MR) Framework for Motion Training
Recommendation: Approve modified PAR.

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

PN42.49.1
Standard for Performance Criteria for Non-Alarming Personal Emergency Radiation Detectors (PERDs) for Exposure Control

Recommendation: Approve modified PAR.

PN42.61
Standard for Data Format for Real-Time Streaming from Radiation Detection Instrument
Recommendation: Approve modified PAR.

IEEE Power and Energy Society/Insulated Conductors

P1186
Recommended Practice for Applicability of Methods for the Evaluation of Low-Voltage and Medium-Voltage Installed Cable Systems in Nuclear Facilities
Recommendation: Approve modified PAR.

IEEE SA Board of Governors/Strategic and Emerging Standards Committee

P3400
Standard for Use of Inclusive Language in Technical Terminology and Communications
Recommendation: Approve modified PAR.

Extension Requests

IEEE Computer Society/Standards Activities Board Standards Committee

P3079.2
Mixed Reality (MR) Standard Framework for Motion Learning
Recommendation: Approve request for an extension until 31 December 2026.

New PARs

IEEE Circuits and Systems Society/Integrated Circuit Design and Test for Emerging Circuits and Systems Standards Committee

P3468
Standard for Chiplet Interface Circuit
Recommendation: Approve new PAR until December 2028.

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

P1946
Standard for Self-Healing Global Positioning System (GPS) Signals
Recommendation: Approve new PAR until December 2028.

IEEE Communications Society/Power Line Communications

P2030.5-2023/Cor 1
IEEE Standard for Smart Energy Profile Application Protocol – Corrigendum 1
Recommendation: Approve new PAR until December 2028.

IEEE Communications Society/Virtualized and Software Defined Networks, and Services Standards Committee

P1947
Standard for Quantum Cybersecurity Framework
Recommendation: Approve new PAR until December 2028.

IEEE Computer Society/Artificial Intelligence Standards Committee

P3462
Recommended Practice for Using Safety by Design in Generative Models to Prioritize Child Safety
Recommendation: Approve new PAR until December 2028.

IEEE Computer Society/Design Automation

P1666-2023/Cor 1
IEEE Standard for Standard SystemC Language Reference Manual – Corrigendum 1
Recommendation: Approve new PAR until December 2028.

IEEE Computer Society/Functional Safety Standards Committee

P2851.1
Standard for the Enablement of Functional Safety Interoperability with Reliability
Recommendation: Approve new PAR until December 2028.

IEEE Computer Society/Knowledge Engineering Standards Committee

P2807.11
Guide for Production Oriented Knowledge Graph in Petroleum and Chemical Industry

Recommendation: Approve new PAR until December 2028.

P2807.12
Standard for Technical Requirements for General Knowledge Services Based on Knowledge Graphs
Recommendation: Approve new PAR until December 2028.

P2807.13
Guide for Integration Framework among Large-Scale Pre-Trained Model and Knowledge Graphs
Recommendation: Approve new PAR until December 2028.

P3460
Guide for a Framework for Auxiliary Decision-Making Systems in Power Grid Operations
Recommendation: Approve new PAR until December 2028.

IEEE Computer Society/LAN/MAN Standards Committee

P802.3dm
IEEE Standard for Ethernet
Amendment: Physical Layer Specifications and Management Parameters for Asymmetrical Electrical Automotive Ethernet
Recommendation: Approve new PAR until December 2028.

P802.11bp
IEEE 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: Enhancements for Ambient Power Communication (AMP)
Recommendation: Approve new PAR until December 2028.

P802.15.4ad
IEEE Standard for Low-Rate Wireless Networks
Amendment: Data rate and range extensions for the Smart Utility Network (SUN) Physical Layer (PHY)
Recommendation: Approve new PAR until December 2028.

IEEE Consumer Technology Society/Emerging Technology Standards Committee

P2089.2
Standard for Terms and Conditions for Children's Online Engagement
Recommendation: Approve new PAR until December 2028.

P2785.1
Standard for a Framework and Requirements for Multimodal Interaction Systems in Smart Home
Recommendation: Approve new PAR until December 2028.

P2785.3
Standard for Classification and Description of Perceptual Data in Smart Home
Recommendation: Approve new PAR until December 2028.

P3441
Standard for Classification of Intelligence Levels and their Evaluation Model in Smart Home Systems
Recommendation: Approve new PAR until December 2028.

IEEE Consumer Technology Society/Metaverse Standards Committee

P2048.111
Standard for Technical Specification for Three-Dimensional (3D) Reconstruction and Visual Localization for Large-Scale Scenes
Recommendation: Approve new PAR until December 2028.

P2048.121
Standard for General Technical Requirements for Service-Oriented Digital Human Based on Artificial Intelligence
Recommendation: Approve new PAR until December 2028.

P2048.201
Standard for Security Specification of Blockchain-Based Metaverse Accounts
Recommendation: Approve new PAR until December 2028.

P3069
Recommended Practice for Consumer AR/VR Handheld-Controller Location Technology Based on Active Infrared Optics
Recommendation: Approve new PAR until December 2028.

P3438
Standard for Network Infrastructure for Web3.0
Recommendation: Approve new PAR until December 2028.

IEEE Engineering in Medicine and Biology Society/Standards Committee

P3337
Standard for Requirements for Designing Accessible Intelligent Cyber-Physical Systems (AICS) for Well-Being
Recommendation: Approve new PAR until December 2028.

IEEE Power and Energy Society/Analytic Methods for Power Systems

P2882
Guide for Validation of Software Models of Renewable and Non-Renewable Generators for Power System Studies
Recommendation: NesCom recommends deferral of P2882 to allow for continued discussion on the breadth of the equipment involved in the validation/verification. In addition, NesCom recommends to further define the types of generation that will be used (e.g., utility generation, commercial/industrial back up generation, hospital emergency generation, communications generation, or residential generation). Doug Edwards has been assigned as a mentor.

IEEE Power and Energy Society/Insulated Conductors

P1614
Guide for AC Withstand Field-Testing of Shielded Power Cable Systems Rated 5 kV and Above with Continuous Alternating Voltage
Recommendation: Approve new PAR until December 2028.

IEEE Power and Energy Society/Substations

PC37.431.10
Guide for Functional Specification of Transmission Dynamic Reactive Power Compensators (DRPC)
Recommendation: Approve new PAR until December 2028.

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board

P3466
Standard for Data-Driven High-Throughput Laboratory Intelligence and Automation
Recommendation: Approve new PAR until December 2028.

P3467

Standard for Digital Manufacturing and Stability Testing of Perovskite Solar Cells and Modules
Recommendation: Approve new PAR until December 2028.

IEEE SA Board of Governors/International Committee on Electromagnetic Safety

P62209-1528a
IEC/IEEE International Standard – Measurement Procedure for the Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-Held and Body-Mounted Wireless Communication Devices – Part 1528: Human Models, Instrumentation, and Procedures (Frequency range of 4 MHz to 10 GHz) Amendment of IEC/IEEE 62209-1528:2020
Recommendation: Approve new PAR until December 2028.

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

P3469
Standard for an Environmental Liability Process Model for Accounting in Systems Engineering
Recommendation: Approve new PAR until December 2028.

P7014.1
Recommended Practice for Ethical Considerations of Emulated Empathy in Partner-Based General-Purpose Artificial Intelligence Systems
Recommendation: Approve new PAR until December 2028.

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P3463
Standard for Requirements for Signal and Data Cables for Automobile Chassis System
Recommendation: Approve new PAR until December 2028.

PARs for the Revision of Standards

IEEE Power and Energy Society/Power System Instrumentation and Measurements

P1601
Standard for Optical AC Current and Voltage Sensing Systems

Recommendation: Approve PAR for the revision of a standard until December 2028.

IEEE Power and Energy Society/Power System Relaying and Control

PC37.246
Guide for Protection Systems of Transmission-to-Generation Interconnections
Recommendation: Approve PAR for the revision of a standard until December 2028.

IEEE Power and Energy Society/Transmission and Distribution

P1656
Guide for Testing the Electrical, Mechanical, and Durability Performance of Wildlife Protective Devices on Overhead Power Distribution Systems Rated up to 38 kV
Recommendation: Approve PAR for the revision of a standard until December 2028.

4.2.5   RevCom Recommendations

New

IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee

P1937.3/Draft 9.0
IEEE Draft Standard for Flight Data Transmission of Civil Unmanned Aerial Vehicle Based on Short Message Mechanisms
Recommendation: APPROVE

IEEE Computer Society/Artificial Intelligence Standards Committee

P3168/Draft 3
IEEE Draft Standard for Robustness Evaluation Test Methods for a Natural Language Processing Service that Uses Machine Learning
Recommendation: APPROVE

IEEE Computer Society/Standards Activities Board Standards Committee

P2807.2/Draft 7
IEEE Draft Guide for Application of Knowledge Graphs for Financial Services
Recommendation: APPROVE

IEEE Consumer Technology Society/Emerging Technology Standards Committee

P2089.1/Draft 2.1
IEEE Draft Standard for Online Age Verification
Recommendation: APPROVE

IEEE Photonics Society/Standards Committee

P3111/Draft 3111
IEEE Draft Recommended Practice for Test and Inspection of Laser Devices Used for Remote Removal of Foreign Matter in Public Infrastructure Equipment
Recommendation: APPROVE

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P2664/Draft 3.2
IEEE Draft Standard for Streaming Telemetry Transport Protocol
Recommendation: APPROVE

IEEE Power and Energy Society/Power System Relaying and Control

PC37.252/Draft 8.0
IEEE Draft Guide for Testing Automatic Voltage Control Systems in Regional Power Grids
Recommendation: APPROVE

IEEE Power and Energy Society/Transformers

PC57.107/Draft 5
IEEE Draft Recommended Practice for Developing Short-Term Over Excitation V/Hz Curves for Transformers Directly Connected to Generators
Recommendation: APPROVE

IEEE Power and Energy Society/Transmission and Distribution

P2030.13/Draft 2.8
IEEE Draft Guide for Electric Transportation Fast Charging Station Management System Functional Specification
Recommendation: APPROVE

IEEE Reliability Society/IEEE Reliability

P3106/Draft 1.0
IEEE Draft Standard for Telecommunication System Reliability Indices
Recommendation: APPROVE

Revision

IEEE Computer Society/Standards Activities Board Standards Committee

P1680.2/Draft 3
IEEE Draft Standard for Environmental Assessment of Imaging Equipment
Recommendation: APPROVE

IEEE Power and Energy Society/Electric Machinery

P286/Draft 13
IEEE Draft Recommended Practice for Measurement of Power Factor Tip-Up of Electric Machinery Stator Coil Insulation
Recommendation: APPROVE

IEEE Power and Energy Society/Switchgear

PC37.63/Draft 9
IEEE Draft Standard Requirements for Overhead, Pad-Mounted, Dry-Vault, and Submersible Automatic Line Sectionalizers for Alternating Current Systems Up to and Including 38 kV
Recommendation: APPROVE

IEEE Power and Energy Society/Transformers

PC57.134/Draft 4
IEEE Draft Guide for Determination of Hottest-Spot Temperature in Dry-Type Distribution and Power Transformers
Recommendation: APPROVE

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board

P1863/Draft 3.3
IEEE Draft Guide for Overhead Alternating Current (AC) Transmission Line Design

Recommendation: APPROVE

5　　　Appointment of the SASB Vice Chair

There were five candidates who had been nominated and accepted the nomination: Doug Edwards, Travis Griffith, Guido Hiertz, Robby Robson, and Jon Rosdahl.

Each candidate had up to two minutes to provide their credentials.

The SASB conducted an email ballot.

Jon Rosdahl was appointed as the SASB Vice Chair.

6　　　SASB Standing Committee Reports

6.1　　　Audit Committee ([AudCom](#))

Kevin Lu, AudCom Chair, reported.

There was a motion (from AudCom):

> **To accept resolutions of SASB Member Comments on AudCom Baselines and to approve the updated baselines.**

In the absence of objection, the motion was approved.

There was a motion (from AudCom):

> **To make available the 2024 AudCom Baselines from 01 May 2024 and to require using the 2024 AudCom Baselines from 01 July 2024.**

In the absence of objection, the motion was approved.

The SASB entered Executive Session at 10:40 a.m. UTC+0.

13　　　Executive Session Items
13.1　　　Report from Ad Hoc RE: Standards Development Activities

Executive Session concluded at 11:26 a.m. UTC+0.

Report Out of Executive Session
A report from the Ad Hoc RE: Standards Development Activities was received. The work of the Ad Hoc is ongoing.

6.2   New Standards Committee (NesCom)

Lei Wang, NesCom Chair, reported.

6.3   Patent Committee (PatCom)

Robby Robson, 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

8   Informational Reports
8.1   CAG Report

Don Wright, SASB Liaison to the CAG, reported.

8.3   SASB Chair's Report

Chair Law reported.

8.2   IEEE SA President's Report

Jim Matthews, IEEE SA President, reported.

8.4   TAB CoS [Update](#)

Edward Au, TAB CoS Chair, reported.

9   New Business

None.

10   [Next Meeting](#)

The next SASB meeting will be scheduled for 06 June 2024 and will be virtual-only.

11   [Draft 2025 IEEE SA Governance Calendar](#)

Chair Law noted that the IEEE SA Board of Governors had approved the dates of the 2025 IEEE SA Governance board meetings. Venues are still to be determined.

12   SASB Resolutions

The SASB approved the 2024 AudCom Baselines, which will be made available for use from 01 May 2024 and will be required for use from 01 July 2024.

14   Adjournment

There being no further business, the meeting was adjourned at 2:00 p.m. UTC+0.