

IEEE SA STANDARDS BOARD (SASB)
DRAFT Meeting Minutes
06 June 2024
Teleconference/Webex
9:00 a.m. – 12:00 p.m. ET (UTC-4)

Attendees

Chair:

David Law

Vice Chair:

Jon Rosdahl

Past Chair:

Gary Hoffman

Secretary:

Alpesh Shah

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

Members Absent:

Joe Koepfinger, Member Emeritus

IEEE Staff:

Christy Bahn
Adrien Bastos
Teresa Belmont
Ahsaki Benion
Hermann Brand
Kim Breitfelder
Matthew Ceglia
Sri Chandrasekaran
Susan England-Lutz
Karen Evangelista
Josh Gay
Jonathan Goldberg
Lloyd Green
Jodi Haasz
Yvette Ho Sang
Patrycja Jarosz
Soo Kim
Michael Kipness
Irene Kitsara
Vanessa Lalitte
Juanita Lewis
Jiajia Liu
Karen McCabe
Suzanne Merten
Erin Morales
Karen Mulberry
Mary Lynne Nielsen
Tania Olabi-Colon
Christian Orlando
Moirra Patterson
Shana Pepin
Dave Ringle, Recording Secretary
Pat Roder
Stacey Rossado
Jennifer Santulli

Rosalinda Saravia
Rudi Schubert
Ravi Subramaniam
Tom Thompson
Meng Zhao

IEEE Outside Legal Counsel:

Claire Topp – Dorsey & Whitney LLP

Guests:

Edward Au
Xiaofeng (Alfred) Chen
Nehad El-Sherif
James Gilb
Latonia Gordon
Tyler Jaynes
Thomas Koshy
Joseph Levy
Johnny Lin
Meng Lu
Jim Matthews
Daleep Mohla
Glenn Parsons
Annette Reilly
Dan Sabin
Naghm Saeed
Dorothy Stanley
Donnie Swing
Barry Tilton
Mehmet Ulema

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

1 Call to Order

SASB Chair David Law called the meeting to order at 9:03 a.m. ET (UTC-4).

Chair Law welcomed everyone to the meeting.

2 Introductions

There was a round of introductions by the SASB Members and guests.

Dave Ringle read the names of the attending IEEE staff members.

It was noted that the meeting was quorate.

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

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 21 March 2024 SASB Meeting [Minutes](#)

3.2.2 AudCom Recommendations

Standards Committee P&Ps

Accepted (*standards work authorized*):

CTS/BSC	IEEE Consumer Technology Society/Blockchain Standards Committee
PE/PSIM	IEEE Power and Energy Society/Power System Instrumentation and Measurements
PE/AMPS	IEEE Power and Energy Society/Analytic Methods for Power Systems

Conditionally Accepted (*standards work authorized*):

CTS/ETSC	IEEE Consumer Technology Society/Emerging Technology Standards Committee
IAS/PCI	IEEE Industry Applications Society/Petroleum & Chemical Industry
IM/CM&FDI	IEEE Instrumentation and Measurement Society/TC3 – Condition Monitoring & Fault Diagnosis Instrument

3.2.3 NesCom Recommendations

Modified PARs:

**IEEE Instrumentation and Measurement Society/TC39 –
Measurements in Power Systems**

P61869-21

Uncertainty Evaluation in the Calibration of Instrument Transformers

Recommendation: Approve modified PAR.

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

P1188

Recommended Practice for Maintenance, Testing, and Replacement of Valve-Regulated Lead-Acid (VRLA) Batteries for Stationary Applications

Recommendation: Approve modified PAR.

**IEEE Power and Energy Society/Nuclear Power Engineering
Committee**

P1205

Guide for Assessing, Monitoring, and Mitigating Aging Effects on Electrical Equipment Used in Nuclear Facilities

Recommendation: Approve modified PAR.

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

P3351

Standard for Levitation Systems of Electromagnetic Suspension-Type Maglev Vehicles

Recommendation: Approve modified PAR.

P3352

Standard for Test Specification of Short Primary Maglev Vehicles

Recommendation: Approve modified PAR.

Extension Requests:

**IEEE Instrumentation and Measurement Society/TC39 –
Measurements in Power Systems**

P61869-21

Recommended Practice for Uncertainty Evaluation in the Calibration of Instrument Transformers

Recommendation: Approve request for an extension until 31 December 2025.

IEEE Power and Energy Society/Switchgear

PC37.20.1

Standard for Metal-Enclosed Low-Voltage (1000 Vac and below, 3200 Vdc and below) Power Circuit Breaker Switchgear

Recommendation: Approve request for an extension until 31 December 2026.

PC37.23

Standard for Metal-Enclosed Bus

Recommendation: Approve request for an extension until 31 December 2026.

PC37.100.2

Standard for Common Requirements for Testing of AC Capacitive Current Switching Devices over 1000 V

Recommendation: Approve request for an extension until 31 December 2026.

New PARs:

IEEE Communications Society/Mobile Communication Networks Standards Committee

P1955

Standard for 6G Empowering Robotics: Use Case Scenarios, Requirements, Architectural Impact, and Technical Assumptions

Recommendation: Approve new PAR until December 2028.

IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee

P1936.7

Standard for Mesh Deployment of Multi-Rotor Unmanned Aircraft Systems for Inspection of Overhead Transmission and Distribution, and Outdoor Substation Facilities

Recommendation: Approve new PAR until December 2028.

P1936.8

Standard for Monitoring of Photovoltaic Power Stations Using Unmanned Aircraft Systems

Recommendation: Approve new PAR until December 2028.

P1936.11

Standard for Requirements of Laying Out Pilot Ropes by Unmanned Aircraft Systems for Overhead Power Line Installations

Recommendation: Approve new PAR until December 2028.

P1936.12

Standard for Verification of Pilot Line Deployment Devices Based on Unmanned Aircraft Systems for Overhead Power Line Installations

Recommendation: Approve new PAR until December 2028.

P1936.13

Recommended Practice for Image Collection during the Inspection of Overhead Distribution Lines by Unmanned Aircraft Systems

Recommendation: Approve new PAR until December 2028.

P1936.14

Standard for Multi-Spectral Scanning of Overhead Transmission Lines by Unmanned Aircraft Systems

Recommendation: Approve new PAR until December 2028.

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

P1948.1

Standard for Artificial Intelligence Based Network Applications in 5G and Beyond Mobile Networks

Recommendation: Approve new PAR until December 2028.

IEEE Computer Society/Blockchain and Distributed Ledgers

P3234

Standard for Blockchain-Based Carbon Trading Data Format Specification

Recommendation: Approve new PAR until December 2028.

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P3477

Standard for Evaluation Method for Anonymization Effectiveness in Data Sharing

Recommendation: Approve new PAR until December 2028.

IEEE Computer Society/Software & Systems Engineering Standards Committee

P29119-8

Software and Systems Engineering – Software Testing – Part 8: Model-Based Testing

Recommendation: Approve new PAR until December 2028.

IEEE Computer Society/Standards Activities Board Standards Committee

P7100

Standard for Measurement of Environmental Impacts of Artificial Intelligence Systems

Recommendation: Approve new PAR until December 2028.

IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee

P3826

Standard for Technical Requirements for Large Language Models for Finance

Recommendation: Approve new PAR until December 2028.

IEEE Consumer Technology Society/Metaverse Standards Committee

P2048.202

Standard for Security Specifications of Blockchain-Based Metaverse Data

Recommendation: Approve new PAR until December 2028.

P2048.203

Standard for Security Specifications of Blockchain-Based Metaverse Interconnection

Recommendation: Approve new PAR until December 2028.

P2048.204

Standard for Security Specifications of Blockchain-Based Metaverse Digital Commodity Circulation

Recommendation: Approve new PAR until December 2028.

IEEE Consumer Technology Society/Smart Devices Standards Committee

P3487

Standard for Perceived Image Quality Consistency of Multi-Camera Consumer Devices and Systems

Recommendation: Approve new PAR until December 2028.

IEEE Engineering in Medicine and Biology Society/Standards Committee

P3493.1

Standard Framework for Secure, Compliant, Coordinated, and Inclusive Healthcare Data Recycling: Cancer Care

Recommendation: Approve new PAR until December 2028.

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

P3464

Guide for Test Methods for the Static and Dynamic Performance and Efficiency of the Proton Exchange Membrane Fuel Cell Cogeneration Systems under Feedback Control

Recommendation: Approve new PAR until December 2028.

IEEE Magnetics Society/Magnetics Society Standards Committee

P3387

Guide for Contactless Current Measurement for High-Voltage (4.76 kV to 800 kV) Multi-Phase Multi-Core Power Cables Based on Magnetic Field Sensing

Recommendation: Approve new PAR until December 2028.

P3465

Standard for Magnetoresistive Immunity Verification of Magnetoresistive Random Access Memory

Recommendation: Approve new PAR until December 2028.

IEEE Oceanic Engineering Society/Standards Committee

P3501

Recommended Practice for the Development of Digital Twins of the Earth

Recommendation: Defer new PAR until September NesCom meeting.

IEEE Power and Energy Society/Insulated Conductors

P48404.2

Standard for Terminations and Joints for Extruded and Laminated Dielectric Shielded Cables Rated 69 kV through 500 kV

Recommendation: Approve new PAR until December 2028.

IEEE Power and Energy Society/Switchgear

PC37.20.7.1

Guide for Application, Installation, and Use of Switchgear Rated up to 52 kV Tested for Internal Arcing Faults

Recommendation: Approve new PAR until December 2028.

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board

P3302

Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI)
Technical Specification – Context-Based Audio Enhancement (MPAI-CAE)
V2.1

Recommendation: Approve new PAR until December 2028.

P3308

Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI)
Object and Scene Description (OSD) v1.1

Recommendation: Approve new PAR until December 2028.

PARs for the Revision of Standards:

IEEE Aerospace and Electronic Systems Society/Radar Systems Panel

P521

Standard Letter Designations for Radar-Frequency Bands

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

IEEE Computer Society/Microprocessor Standards Committee

P754

Standard for Floating-Point Arithmetic

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

P1722

Standard for a Transport Protocol for Time-Sensitive Applications in Bridged Local Area Networks

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

IEEE Power and Energy Society/Nuclear Power Engineering Committee

P1707

Recommended Practice for the Investigation of Events at Nuclear Facilities

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

IEEE Power and Energy Society/Switchgear

PC37.62

Standard for Pad-Mounted Dry Vault, Submersible, and Overhead Fault Interrupters for Alternating Current Systems up to and including 38 kV

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

IEEE Power and Energy Society/Transmission and Distribution

P1250

Guide for Identifying and Improving Voltage Quality in Power Systems

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

P2845

Standard for Testing and Evaluating the Dielectric Performance of Celebratory Balloons in Contact with Overhead Power Distribution Lines Rated up to 38 kV System Voltage

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

IEEE SA Board of Governors/Distributed Generation, Energy Storage and Interoperability Standards Committee

P1547.7

Guide for Conducting Impact Studies for Distributed Energy Resource Interconnection

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

3.2.4 RevCom Recommendations

New:

IEEE Communications Society/Mobile Communication Networks Standards Committee

P2061/Draft 1.1

IEEE Draft Standard for Architecture for Low Mobility Energy Efficient Network for Affordable Broadband Access

Recommendation: APPROVE

IEEE Computer Society/Knowledge Engineering Standards Committee

P2807.1/Draft 2

IEEE Draft Standard for Technical Requirements and Evaluation of Knowledge Graphs

Recommendation: APPROVE

IEEE Computer Society/LAN/MAN Standards Committee

P802.1Qdx/Draft 2.1

IEEE Draft Standard for Local and Metropolitan Area Networks – Bridges and Bridged Networks

Amendment 39: YANG Data Models for the Credit-Based Shaper

Recommendation: APPROVE

IEEE Computer Society/Smart Manufacturing Standards Committee

P3145/Draft 2

IEEE Draft Standard for General Technical Requirement of Auxiliary Warehouse in Smart Factory

Recommendation: APPROVE

IEEE Computer Society/Standards Activities Board Standards Committee

P2796/Draft 3

IEEE Draft Standard for Framework for the Internet of Food (IoF)

Recommendation: APPROVE

P3158/Draft 3

IEEE Draft Standard for Trusted Data Matrix System Architecture

Recommendation: APPROVE

P3188/Draft 1.3

IEEE Draft Standard for Virtual E-card Platform

Recommendation: APPROVE

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2933/Draft 3.1

IEEE Draft Standard for Clinical Internet of Things (IoT) Data and Device Interoperability with TIPPSS – Trust, Identity, Privacy, Protection, Safety, Security

Recommendation: APPROVE

IEEE Industry Applications Society/Petroleum & Chemical Industry

P62395-2/Draft 6

IEC/IEEE Draft Standard – Electrical Resistance Trace Heating Systems for Industrial and Commercial Applications Part 2: Application Guide for System Design, Installation and Maintenance

Recommendation: APPROVE

IEEE Power and Energy Society/Switchgear

PC37.20.9a/Draft 5

IEEE Draft Standard for Metal-Enclosed Switchgear Rated 1 kV to 52 kV
Incorporating Gas Insulating Systems

Amendment: Clarification of metal-enclosed gas-insulated switchgear
(MEGIS) types covered, refilling and monitoring requirements and
production test requirements.

Recommendation: APPROVE

Revision:

IEEE Industry Applications Society/Petroleum & Chemical Industry

P62395-1/Draft 8

IEEE/IEC Draft Standard – Electrical Resistance Trace Heating Systems for
Industrial and Commercial Applications – Part 1: General and Testing
Requirements

Recommendation: APPROVE

IEEE Power and Energy Society/Electric Machinery

P1665/Draft 23

IEEE Draft Guide for the Rewind of Synchronous Generators, 50 Hz and 60
Hz, Rated 1 MVA and above

Recommendation: APPROVE

**IEEE Power and Energy Society/Power System Communications and
Cybersecurity**

PC37.118.2/Draft 3.30

IEEE Draft Standard for Synchrophasor Data Transfer for Power Systems

Recommendation: APPROVE

IEEE Power and Energy Society/Switchgear

PC37.20.6/Draft 6

IEEE Draft Standard for 4.76 kV to 48.3 kV Rated Ground and Test Devices
Used in Enclosures

Recommendation: APPROVE

IEEE Power and Energy Society/Transformers

PC57.12.35/Draft 5.5

IEEE Draft Standard for Information Coding for Distribution Transformers and Step-Voltage Regulators

Recommendation: APPROVE

4 SASB Standing Committee Reports

4.1 Audit Committee ([AudCom](#))

Kevin Lu, AudCom Chair, reported.

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

Lei Wang, NesCom Chair, reported.

4.3 Procedures Committee ([ProCom](#))

Ted Burse, ProCom Chair, reported.

Action Item: Add Keith Waters to the Ad Hoc reviewing the SASB OpMan RE: External Liaisons

Action Item: Add Doug Edwards and Daleep Mohla to the Ad Hoc reviewing the SASB OpMan RE: Standards Promotion and Social Media

There was a motion (from ProCom):

Move to approve updates to the SASB OpMan RE: Meeting Fees.

IEEE SA Standards Board Operations Manual

5.3.5 Meeting expenses

A Standards Committee or Working Group may choose to set a meeting fee as a means of offsetting the costs of meeting administration, logistics, and other similar costs of **IEEE** standards development **meetings**.

The Standards Committee or Working Group assumes the entire risk of deficit; i.e., if a deficit is incurred in the operation of a meeting, that deficit is chargeable against the Standards Committee or Working Group, as appropriate. Conversely, if a surplus results from the operation, the surplus will be credited to the Standards Committee or Working Group, as appropriate.

5.3.5.1 Taxes on meeting expenses

Standards Committees or Working Groups shall collect as a part of standards development meeting fees any applicable indirect and direct tax payments for the meetings. The Standards Committee or Working Group shall coordinate with IEEE SA to determine applicable taxes to include in registration fees for remittance to appropriate tax authorities. The relevant tax payments shall be covered by funds in the Standards Committee or Working Group Concentration Banking Account.

In the absence of objection, the motion was approved.

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

Keith Waters, RevCom Chair, reported.

4.4.1 [P3307](#)

Keith Water, RevCom Chair, stated the RevCom recommendation.

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board

P3307/Draft 1

IEEE Draft Standard – Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Connected Autonomous Vehicle – Architecture (CAV) Version 1

RevCom Recommendation: APPROVE [10=yes, 2=no, (Kimiagar, Nikolich), 2=abstain (Liu, Wolfman)]

In the absence of objection, the SASB approved P3307/Draft 1. [Recused: Dukes]

5 Old Business

None.

6 Informational Reports

6.1 CAG [Report](#)

Don Wright, SASB Liaison to the CAG, reported.

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

Jim Matthews, IEEE SA President, reported.

6.3 SASB Chair's [Report](#)

Chair Law reported.

7 New Business

8 [Next Meeting](#)

The next SASB meeting will be scheduled for 26 September 2024 and will be held in Athens, Greece.

9 Draft 2025 IEEE SA Governance Calendar

Chair Law introduced the [venues](#) recommended by the IEEE SA BOG.

There was extensive discussion.

There was a motion:

For the March 2025 SASB meeting series, Primary Venue=Seoul, Secondary Venue=New Delhi

In the absence of objection, the motion was approved.

There was a motion:

For the June 2025 SASB meeting series, Primary Venue=Milan, Secondary Venue=Vienna

In the absence of objection, the motion was approved.

Chair Law recognized Mary Lynne Nielsen, who is retiring from IEEE at the end of June 2024 after 35 years of service.

There was a resolution, which was approved by acclamation:

Whereas Mary Lynne Nielsen has announced her retirement in June 2024,

Whereas Mary Lynne has served IEEE for 35 years,

Whereas Mary Lynne has been instrumental in many successful projects,

Be it Resolved that the IEEE SA Standards Board acknowledges and thanks Mary Lynne Nielsen for 35 years of service and wishes her the best on her new adventures.

10 SASB Resolutions

None.

The SASB entered Executive Session at 11:38 a.m. ET (UTC-4).

11 Executive Session Items

11.1 Report from Ad Hoc RE: Standards Information Development Activities

Executive Session concluded at 11:48 a.m. ET (UTC-4).

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.

12 Adjournment

There being no further business, the meeting was adjourned at 11:49 a.m. ET (UTC-4).