IEEE SA STANDARDS BOARD (SASB)
Meeting Minutes
21 September 2023
Teleconference/Webex
9:00 a.m. – 12:30 p.m. ET (UTC-4)

Attendees

Chair:
David Law

Vice Chair:
Ted Burse

Secretary:
Konstantinos Karachalios

Members:
Sara Biyabani
Doug Edwards
Guido Hiertz
Yousef Kimiagar
Thomas Koshy
John Kulick
Joseph Levy
Howard Li
Johnny Lin
Gui Liu
Xiaohui Liu
Kevin Lu
Paul Nikolich [TAB Rep.]
Annette Reilly
Robby Robson
Lei Wang
Keith Waters
Karl Weber
Philip Winston
Don Wright

Members Absent:
Ramy Fathy
Gary Hoffman, Past Chair
Daleep Mohla
Andrew Myles

Joe Koepfinger, Member Emeritus

IEEE Staff:
Julie Alessi
Christy Bahn
Teresa Belmont
Catherine Berger
Kim Breitfelder
Matthew Ceglia
Desiree de Myer
Susan England-Lutz
Karen Evangelista
Joshua Gay
Jonathan Goldberg
Lloyd Green
Jodi Haasz
Yvette Ho Sang
Patrycja Jarosz
Michael Kipness
Vanessa Lalitte
Donald Lee
Juanita Lewis
Jiajia Liu
Kelly Lorne
Daniella Martinez
Karen McCabe
Suzanne Merten
Erin Morales
Karen Mulberry
Mary Lynne Nielsen
Tania Olabi-Colon
Christian Orlando
Moira Patterson
Shana Pepin
Lisa Perry
Dave Ringle, Recording Secretary
Pat Roder
Call to Order

SASB Chair David Law called the meeting to order at 9:04 a.m. ET (UTC-4).

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 Agenda

3.1 Approval of Agenda

P1937.7 was removed from the RevCom recommendations on the Consent Agenda and added to the agenda as item 4.5.1.

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

3.2 Consent Agenda
3.2.1 Approval of 29 June 2023 SASB Meeting Minutes

3.2.2 AudCom Recommendations

**Standards Committee P&Ps**

**Accepted (standards work authorized):**

- **RAS/SC**
  - IEEE Robotics and Automation Society/Standing Committee for Standards Activities

- **IM/S&SM**
  - IEEE Instrumentation and Measurement Society/TC7 – Signals and Systems in Measurements

- **OES/SC**
  - IEEE Oceanic Engineering Society/Standards Committee

- **PHO/SC**
  - IEEE Photonics Society/Standards Committee

- **PE/SWG**
  - IEEE Power and Energy Society/Switchgear Committee

**New Standards Committee Recognition with Accepted P&Ps**

Motion: Recommend that the SASB recognize the IEEE Instrumentation
and Measurement Society/TC7 – Signals and Systems in Measurement, to be abbreviated as IM/S&SM, as an official Standards Committee, in accordance with IEEE SASB Bylaws 5.2.2.

Motion: Recommend that the SASB recognize the IEEE Oceanic Engineering Society/Standards Committee, to be abbreviated as OES/SC, as an official Standards Committee, in accordance with IEEE SASB Bylaws 5.2.2.

3.2.3 NesCom Recommendations

Withdrawal Requests

**IEEE Computer Society/Standards Activities Board**

**P2850**
Standard for an Architectural Framework for Intelligent Cities Operation System
**Recommendation:** Approve PAR withdrawal.

**IEEE Consumer Technology Society/Blockchain Standards Committee**

**P2141.1**
Standard for the Use of Blockchain in Anti-Corruption Applications for Centralized Organizations
**Recommendation:** Approve PAR withdrawal.

**P2141.2**
Standard for Transforming Enterprise Information Systems from Centralized Architecture into Blockchain-based Decentralized Architecture
**Recommendation:** Approve PAR withdrawal.

**P2141.3**
Standard for Transforming Enterprise Information Systems from Distributed Architecture into Blockchain-Based Decentralized Architecture
**Recommendation:** Approve PAR withdrawal.

**P2147.1**
Standard for Requirements of Integrated Consortium Chain Station
**Recommendation:** Approve PAR withdrawal.
**P2418.8**
Standard for Blockchain Applications in Governments  
**Recommendation:** Approve PAR withdrawal.

**P2677.1**
Standard for Blockchain-Based Omnidirectional Pandemic/Epidemic Surveillance: Overarching Framework  
**Recommendation:** Approve PAR withdrawal.

**P2677.10**
Standard for Blockchain-Based Omnidirectional Pandemic/Epidemic Surveillance: Access to Personal Data  
**Recommendation:** Approve PAR withdrawal.

**P2677.11**
Standard for Blockchain-Based Omnidirectional Pandemic/Epidemic Surveillance: Access to Telecommunications Data  
**Recommendation:** Approve PAR withdrawal.

**P2677.12**
Standard for Blockchain-Based Omnidirectional Pandemic/Epidemic Surveillance: Access to Transportation Data  
**Recommendation:** Approve PAR withdrawal.

**P2677.20**
Standard for Blockchain-Based Omnidirectional Pandemic/Epidemic Surveillance: Requirements for Blockchain Infrastructure  
**Recommendation:** Approve PAR withdrawal.

**P2677.21**
Standard for Blockchain-Based Omnidirectional Pandemic/Epidemic Surveillance: Requirements for Peer-to-Peer Storage Infrastructure  
**Recommendation:** Approve PAR withdrawal.

**P2677.22**
Standard for Blockchain-Based Omnidirectional Pandemic/Epidemic Surveillance: Requirements for Grid Computing Infrastructure  
**Recommendation:** Approve PAR withdrawal.

**P2677.30**
Standard for Blockchain-Based Omnidirectional Pandemic/Epidemic Surveillance: Personal Application Programming Interface

**Recommendation:** Approve PAR withdrawal.

**P2677.31**
Standard for Blockchain-Based Omnidirectional Pandemic/Epidemic Surveillance: Healthcare Application Programming Interface

**Recommendation:** Approve PAR withdrawal.

**P2677.32**
Standard for Blockchain-Based Omnidirectional Pandemic/Epidemic Surveillance: Government Application Programming Interface

**Recommendation:** Approve PAR withdrawal.

**IEEE Consumer Technology Society/Emerging Technology Standards Committee**

**P2040**
Standard for General Requirements for Fully Automated Vehicles Driving on Public Roads

**Recommendation:** Approve PAR withdrawal.

**P2040.1**
Taxonomy and Definitions for Connected and Automated Vehicles

**Recommendation:** Approve PAR withdrawal.

**P2040.2**
Recommended Practice for Multi-Input Based Decision Making of Automated Vehicles Driving on Public Roads

**Recommendation:** Approve PAR withdrawal.

**P2040.3**
Recommended Practice for Permitting Automated Vehicles to Drive on Public Roads

**Recommendation:** Approve PAR withdrawal.

**P2049.1**
Standard for Human Augmentation: Taxonomy and Definitions

**Recommendation:** Approve PAR withdrawal.

**P2049.2**
Standard for Human Augmentation: Privacy and Security
Recommendation: Approve PAR withdrawal.

P2049.3
Standard for Human Augmentation: Identity
Recommendation: Approve PAR withdrawal.

P2049.4
Standard for Human Augmentation: Methodologies and Processes for Ethical Considerations
Recommendation: Approve PAR withdrawal.

P2788
Standard for Circulating Air Pressure Physiotherapy Equipment Used in the Home Healthcare Environment
Recommendation: Approve PAR withdrawal.

P2823
Standard for System Architecture and Technical Requirements for Smart Speakers
Recommendation: Approve PAR withdrawal.

P2876
Recommended Practice for Inclusion, Dignity, and Privacy in Online Gaming
Recommendation: Approve PAR withdrawal.

P2886
Standard for General Requirements for Smart Residential Water Systems
Recommendation: Approve PAR withdrawal.

IEEE Power and Energy Society/Electric Machinery

P1776
Recommended Practice for Thermal Evaluation of Unsealed or Sealed Insulation Systems for AC Electric Machinery Employing Form-Wound Pre-Insulated Stator Coils for Machines Rated 15 000 V and Below
Recommendation: Approve PAR withdrawal.

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 withdrawal.

**IEEE Vehicular Technology Society/Automated Vehicles Standards Committee**

**P2936**
Standard for Test Methods of Automotive Lidar Performance

**Recommendation:** Approve PAR withdrawal.

**IEEE Vehicular Technology Society/Intelligent Transportation Systems**

**P1609.13**
Wireless Access in Vehicular Environments – Reliable Data Transport Mechanisms for Multiple Receivers

**Recommendation:** Approve PAR withdrawal.

**P1609.20**
Recommended Practice for Extending the Functionality of IEEE Std 1609.2

**Recommendation:** Approve PAR withdrawal.

**Modified PARs**

**IEEE Computer Society/LAN/MAN Standards Committee**

**P60802**
Time-Sensitive Networking Profile for Industrial Automation

**Recommendation:** Approve modified PAR.

**IEEE Computer Society/Microprocessor Standards Committee**

**P3120**
Standard for Quantum Computing Architecture

**Recommendation:** Approve modified PAR.

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

**P7003**
Algorithmic Bias Considerations

**Recommendation:** Conditional approval, based on the response from the Standards Committee to NesCom member comments being added to item 8.1 on the PAR.

**IEEE Electromagnetic Compatibility Society/Standards Development Committee**

**P2717**
Recommended Practice for Passive Intermodulation Test Methods for Wireless Systems in Low Noise Environments

**Recommendation:** Approve modified PAR.

**IEEE Photonics Society/Standards Committee**

**P3111**
Recommended Practice for Test and Inspection of Laser Devices Used for Remote Removal of Foreign Matter in Public Infrastructure Equipment

**Recommendation:** Approve modified PAR.

**P3324**

**Recommendation:** Approve modified PAR.

**P3325**
Guide for Industrial Ultraviolet (UV) Detection Equipment

**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.

**P1793**

**Recommendation:** Approve modified PAR.

**IEEE Power and Energy Society/Nuclear Power Engineering**
**P2421**  
Guide for Designing and Developing Computer-Based Displays for Monitoring and Control of Nuclear Facilities  
**Recommendation:** Approve modified PAR.

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

**P2030**  
Guide for Smart Grid Interoperability of Energy Technology and Information Technology Operation with the Electric Power System (EPS), End-Use Applications, and Loads  
**Recommendation:** Approve modified PAR.

**IEEE Vehicular Technology Society/Intelligent Transportation Systems**

**P3344**  
Standard for Scenario Representation for Autonomous Driving  
**Recommendation:** Approve modified PAR.

**Extension Requests**

**IEEE Computer Society/Artificial Intelligence Standards Committee**

**P2840**  
Standard for Responsible AI Licensing  
**Recommendation:** Approve request for an extension until 31 December 2024.

**IEEE Computer Society/LAN/MAN Standards Committee**

**P802.1DG**  
Time-Sensitive Networking Profile for Automotive In-Vehicle Ethernet Communications  
**Recommendation:** Approve request for an extension until 31 December 2025.

**P802.1Qdj**  
Standard for Local and Metropolitan Area Networks – Bridges and Bridged Networks
Amendment: Configuration Enhancements for Time-Sensitive Networking
Recommendation: Approve request for an extension until 31 December 2025.

**P802.11be**
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 Extremely High Throughput (EHT)
Recommendation: Approve request for an extension until 31 December 2025.

**IEEE Computer Society/Learning Technology**

**P2247.2**
Interoperability Standards for Adaptive Instructional Systems (AISs)
Recommendation: Approve request for an extension until 31 December 2025.

**P7004**
Standard for Child and Student Data Governance
Recommendation: Approve request for an extension until 31 December 2025.

**P9274.4.2**
Recommended Practice for Cybersecurity in the Implementation of the Experience Application Programming Interface (xAPI)
Recommendation: Approve request for an extension until 31 December 2025.

**IEEE Computer Society/Simulation Interoperability Stds Organization/Std Activity Committee**

**P1516**
Standard for Modeling and Simulation (M&S) High Level Architecture (HLA) – Framework and Rules
Recommendation: Approve request for an extension until 31 December 2024.

**P1516.1**
Standard for Modeling and Simulation (M&S) High Level Architecture (HLA) – Federate Interface Specification

**Recommendation:** Approve request for an extension until 31 December 2024.

**P1516.2**
Standard for Modeling and Simulation (M&S) High Level Architecture (HLA) – Object Model Template (OMT) Specification

**Recommendation:** Approve request for an extension until 31 December 2024.

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

**P7003**
Algorithmic Bias Considerations

**Recommendation:** Approve request for an extension until 31 December 2024.

**IEEE Computer Society/Test Technology**

**P2427**
Standard for Analog Defect Modeling and Coverage

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

**IEEE Education Society/Standards Committee**

**P2834**
Standard for Secure and Trusted Learning Systems

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

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

**P2933**
Standard for Clinical Internet of Things (IoT) Data and Device Interoperability with TIPPS – Trust, Identity, Privacy, Protection, Safety, Security
**Recommendation:** Approve request for an extension until 31 December 2025.

**IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee**

**P2023**
Standard for Digital Transformation Architecture and Framework
**Recommendation:** Approve request for an extension until 31 December 2024.

**P2805.1**
Self-Management Protocols for Edge Computing Node
**Recommendation:** Approve request for an extension until 31 December 2025.

**P2805.2**
Data Acquisition, Filtering, and Buffering Protocols for Edge Computing Node
**Recommendation:** Approve request for an extension until 31 December 2025.

**P2805.3**
Cloud-Edge Collaboration Protocols for Machine Learning
**Recommendation:** Approve request for an extension until 31 December 2025.

**P21451-1-6**
Standard for a Smart Transducer Interface for Sensors, Actuators, and Devices – Message Queue Telemetry Transport (MQTT) for Networked Device Communication
**Recommendation:** Approve request for an extension until 31 December 2025.

**IEEE Industry Applications Society/Petroleum & Chemical Industry**

**P60079-30-1**
**Recommendation:** Approve request for an extension until 31 December 2025.

**P60079-30-2**
Recommendation: Approve request for an extension until 31 December 2025.

IEEE Instrumentation and Measurement Society/TC9 – Sensor Technology

P1451.9
Standard for Tidal Turbine Health Monitoring System (HMS) with Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats
Recommendation: Approve request for an extension until 31 December 2025.

IEEE Power and Energy Society/Electric Machinery

PC50.13
Standard for 50 and 60 Hz Synchronous Generators for Non-Hydraulic Applications Rated 10 MVA and Above
Recommendation: Approve request for an extension until 31 December 2025.

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

P1679.4
Guide for the Characterization and Evaluation of Alkaline Batteries in Stationary Applications
Recommendation: Approve request for an extension until 31 December 2026.

IEEE Power and Energy Society/Nuclear Power Engineering

P317
Standard for Electric Penetration Assemblies in Containment Structures for Nuclear Power Generating Stations
Recommendation: Approve request for an extension until 31 December 2024.

P833
Recommended Practice for the Protection of Electric Equipment in Nuclear Power Generating Stations from Water Hazards

**Recommendation:** Approve request for an extension until 31 December 2024.

**P1289**
Guide for the Application of Human Factors Engineering in the Design of Computer-Based Monitoring and Control Displays for Nuclear Power Generating Stations and Other Nuclear Facilities

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

**P2425**
Standard for Electromagnetic Compatibility Testing of Electrical and Instrumentation and Control Equipment at Nuclear Power Generating Stations and Other Nuclear Facilities

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

**P63160**
Nuclear Power Plants – Instrumentation, Control and Electrical Power Systems Important to Safety – Common Cause Failure Systems Analysis and Diversity

**Recommendation:** Approve request for an extension until 31 December 2027.

**IEEE Power and Energy Society/Power System Instrumentation and Measurements**

**P4.1**

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

**IEEE Power and Energy Society/Substations**

**P1240**
Guide for the Evaluation of the Reliability of HVDC Converter Stations

**Recommendation:** Approve request for an extension until 31 December 2024.
**P2825**
Guide for Static Synchronous Series Compensator (SSSC) General Requirements and Test Methods

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

**IEEE Power and Energy Society/Transformers**

**PC57.13.9**
Standard for Power-Line Carrier Coupling Capacitors and Coupling Capacitor Voltage Transformers

**Recommendation:** Approve request for an extension until 31 December 2024.

**PC57.142**
Guide to Describe the Occurrence and Mitigation of Switching Transients Induced by Transformers, Switching Device, and System Interaction

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

**PC57.143**
Guide for Application of Monitoring Equipment to Liquid-Immersed Transformers and Components

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

**IEEE Power and Energy Society/Transmission and Distribution**

**PC135.100**
Standard for Line Hardware for Overhead Line Construction

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

**IEEE Reliability Society/IEEE Reliability**

**P7009**
Standard for Fail-Safe Design of Autonomous and Semi-Autonomous Systems

**Recommendation:** Approve request for an extension until 31 December 2024.
IEEE Robotics and Automation Society/Standing Committee for Standards

P1872.1
Robot Task Representation
Recommendation: Approve request for an extension until 31 December 2024.

P2817
Guide for Verification of Autonomous Systems
Recommendation: Approve request for an extension until 31 December 2024.

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

P7012
Standard for Machine Readable Personal Privacy Terms
Recommendation: Approve request for an extension until 31 December 2024.

P7014
Standard for Ethical Considerations in Emulated Empathy in Autonomous and Intelligent Systems
Recommendation: Approve request for an extension until 31 December 2025.

IEEE Systems, Man, and Cybernetics Society/Standards Committee

P2814
Techno-Economics Metrics Standard for Hybrid Energy and Storage Systems
Recommendation: Approve request for an extension until 31 December 2025.

IEEE Vehicular Technology Society/Communications Based Train Control and Signals

P1474.1
Standard for Communications-Based Train Control (CBTC) Performance and Functional Requirements
Recommendation: Approve request for an extension until 31 December 2025.
P1474.2
Standard for User Interface Requirements in Communications-Based Train Control (CBTC) Systems
Recommendation: Approve request for an extension until 31 December 2025.

P1474.3
Recommended Practice for Communications-Based Train Control (CBTC) System Design and Functional Allocations
Recommendation: Approve request for an extension until 31 December 2025.

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1920.2
Standard for Vehicle to Vehicle Communications for Unmanned Aircraft Systems
Recommendation: Approve request for an extension until 31 December 2025.

New PARs

IEEE Broadcast Technology Society/Broadcast Technology Standards Committee

P3420
Standard for Aggregated Content Delivery Link Protocol for Radio and Other Audio and Data Services
Recommendation: Approve new PAR until December 2027.

P3421
Recommended Practice on Spectrum Mask Measurement for Broadcast Transmissions
Recommendation: Approve new PAR until December 2027.

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

P1945
Standard for Internet of Things (IoT) Computing Edge Computing on Unmanned Aircraft Systems – Part 1 General Requirements

**Recommendation:** Approve new PAR until December 2027.

**IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee**

**P1937.13**
Standard for Taxonomy and Associated Requirements for Unmanned Aircraft System’s Autonomy Levels

**Recommendation:** Approve new PAR until December 2027.

**P1937.15**
Standard for Communication Security Requirements for Drone Formation Flying Light Show

**Recommendation:** Approve new PAR until December 2027.

**P1937.16**
Standard for Civil Unmanned Aerial Systems (UAS) Cybersecurity Framework

**Recommendation:** Approve new PAR until December 2027.

**P1937.17**
Standard for Specifications for Lithium Ion Cells and Batteries Used in Unmanned Aircraft Systems (UAS)

**Recommendation:** Approve new PAR until December 2027.

**P1937.18**
Charger Used in Unmanned Aircraft Systems – Technical Specification

**Recommendation:** Approve new PAR until December 2027.

**IEEE Computer Society/Artificial Intelligence Standards Committee**

**P3394**
Standard for Large Language Model Agent Interface

**Recommendation:** Approve new PAR until December 2027.

**P3395**
Standard for the Implementation of Safeguards, Controls, and Preventive Techniques for Artificial Intelligence (AI) Models

**Recommendation:** Approve new PAR until December 2027.

**P3396**
Recommended Practice for Defining and Evaluating Artificial Intelligence (AI) Risk, Safety, Trustworthiness, and Responsibility

**Recommendation:** Approve new PAR until December 2027.

**P3398**
Recommended Practice for Generative Pre-Trained Transformer Empowered Software Engineering Life Cycle

**Recommendation:** Approve new PAR until December 2027.

**P3403**
Recommended Practice on Data Processing for Training Large Language Models

**Recommendation:** Approve new PAR until December 2027.

**P3410**
Guide for Large Scale Financial Risk Models

**Recommendation:** Approve new PAR until December 2027.

**P3417**
Standard for Requirements of Differential Privacy-Based Personal Information Protection

**Recommendation:** Approve new PAR until December 2027.

**P3419**
Standard for Large Language Model Evaluation

**Recommendation:** Approve new PAR until December 2027.

**IEEE Computer Society/Cybersecurity and Privacy Standards Committee**

**P3406**
Standard for a Purge and Destruct Sanitization Framework

**Recommendation:** Approve new PAR until December 2027.

**P3409**
Standard for a Zero Trust Security Framework

**Recommendation:** Approve new PAR until December 2027.

**IEEE Computer Society/Data Compression Standards Committee**

**P3161.2**
Standard for End Subsystem of Digital Retina Systems
Recommendation: Approve new PAR until December 2027.

**P3161.3**
Standard for Edge Subsystem of Digital Retina Systems
Recommendation: Approve new PAR until December 2027.

**P3161.4**
Standard for Cloud Subsystem of Digital Retina Systems
Recommendation: Approve new PAR until December 2027.

**P3161.8**
Standard for Security and Privacy Protection of Digital Retina Systems
Recommendation: Approve new PAR until December 2027.

**P3404**
Standard for Requirements and Framework for Sharing Data and Models for Artificial Intelligence across Multiple Computing Centers
Recommendation: Approve new PAR until December 2027.

**IEEE Computer Society/LAN/MAN Standards Committee**

**P802.1Qdy**
IEEE Standard for Local and Metropolitan Area Networks – Bridges and Bridged Networks – Amendment: YANG for the Multiple Spanning Tree Protocol
Recommendation: Approve new PAR until December 2027.

**P802.11bn**
Recommendation: Approve new PAR until December 2027.

**P802.11-2020/Cor 2**
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 – Corrigendum 2 Correct the Number Assignment of the Information Identifier (ID) for Enhanced Broadcast Services (EBCS) Element of the Access Network Query
Protocol (ANQP):

**Recommendation:** Approve new PAR until December 2027.

**IEEE Computer Society/Online Gaming Standards Committee**

**P3391**
Standard for Technical Requirements for Mobile Game Quality
**Recommendation:** Approve new PAR until December 2027.

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

**P3407**
Standard for End-to-End Software Testing Automation Tools
**Recommendation:** Approve new PAR until December 2027.

**IEEE Computer Society/Standards Activities Board**

**P3422**
Recommended Practice for Metaverse Ecosystem Reference Models
**Recommendation:** Approve new PAR until December 2027.

**IEEE Computer Society/Test Technology**

**P3405**
Standard for Chiplet Interconnect Test and Repair
**Recommendation:** Approve new PAR until December 2027.

**IEEE Consumer Technology Society/Smart Devices Standards Committee**

**P3402**
Standard for Technical Requirements of AI-Based Driver Behavior Detection Systems
**Recommendation:** Approve new PAR until December 2027.

**P3408**
Standard for Security Specifications for Wearable Devices Supporting Payment Services
**Recommendation:** Approve new PAR until December 2027.

**P3414**
Standard for Ergonomics Assessment and Technical Specification for Vehicle Displays

**Recommendation:** Approve new PAR until December 2027.

**IEEE Electromagnetic Compatibility Society/Standards Development Committee**

**P1848.1**
Standard for Techniques & Measures to Manage Functional Safety and Other Risks with Regard to Electromagnetic Disturbances – Machinery Sector

**Recommendation:** Approve new PAR until December 2027.

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

**P3386**
Standard for Defining and Inferring User Accessibility Needs for Applications including Augmented Reality and Artificial Intelligence Systems

**Recommendation:** Approve new PAR until December 2027.

**IEEE Industry Applications Society/Industrial & Commercial Power Systems Standards Development Committee**

**P3005.2**

**Recommendation:** Approve new PAR until December 2027.

**IEEE Power and Energy Society/Insulated Conductors**

**P2776**
Guide for Specifying and Selecting Cables for Nuclear Facilities

**Recommendation:** Approve new PAR until December 2027.

**IEEE Power and Energy Society/Power System Instrumentation and Measurements**

**P3415**

**Recommendation:** Approve new PAR until December 2027.
IEEE Power and Energy Society/Transmission and Distribution

P3418
Guide for the Selection of Permanent Grounding Components for Overhead Transmission Lines
Recommendation: Approve new PAR until December 2027.

IEEE Power Electronics Society/Standards Committee

P3380
Recommended Practice for System Stability of AC Power Converters in Data Centers
Recommendation: Approve new PAR until December 2027.

IEEE SA Board of Governors/Corporate Advisory Group

P3411
Standard for Smart Identification in Internet of Things
Recommendation: Approve new PAR until December 2027.

P3416
Guide for Test Sets and Tools for Testing Protective Relays
Recommendation: Approve new PAR until December 2027.

IEEE Signal Processing Society/Synthetic Aperture Standards Committee

P3397
Standard for Synthetic Aperture Radar (SAR) Image Quality Metrics
Recommendation: Approve new PAR until December 2027.

P3399
Standard for Performance Metrics for Automotive Synthetic Aperture Radar (SAR)
Recommendation: Approve new PAR until December 2027.

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

P7803
Recommended Practice for Inclusive Sustainable Smart Cities
Recommendation: Approve new PAR until December 2027.
IEEE Vehicular Technology Society/Intelligent Transportation Systems

**P1609.3-2020/Cor 1**
**Recommendation:** Approve new PAR until December 2027.

**P3412**
Standard for Autonomous Driving Architecture (ADA)
**Recommendation:** Approve new PAR until December 2027.

IEEE Vehicular Technology Society/Traction Power Systems Standards Committee

**P3393**
Recommended Practice on the Application of IEEE Std 1653.2, Standard for Uncontrolled Traction Power Rectifiers for Substation Applications up to 1500 V DC Nominal Output, to Power Components Other than Rectifiers
**Recommendation:** Approve new PAR until December 2027.

PARs for the Revision of Standards

IEEE Aerospace and Electronic Systems Society/Gyro Accelerometer Panel

**P836**
Recommended Practice for Precision Centrifuge Testing of Linear Accelerometers
**Recommendation:** Approve PAR for the revision of a standard until December 2027.

IEEE Computer Society/Software & Systems Engineering Standards Committee

**P12207**
Systems and Software Engineering – Software Life Cycle Processes
**Recommendation:** Approve PAR for the revision of a standard until December 2027.

IEEE Industry Applications Society/Petroleum & Chemical Industry
**P1242**
Guide for Specifying and Selecting Power, Control, and Special-Purpose Cable for Petroleum and Chemical Plants

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

**IEEE Power and Energy Society/Insulated Conductors**

**P400.4**
Guide for Field Testing of Shielded Power Cable Systems Rated 5 kV and Above with Damped Alternating Current (DAC) Voltage

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

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

**P628**
Standard Criteria for the Design, Installation, and Qualification of Raceway Systems for Class 1E Circuits for Nuclear Power Generating Stations

**Recommendation:** Defer consideration of P628 to the October 2023 NesCom agenda to allow time for the PAR submitters to adequately review NesCom member comments and consider updates to the PAR.

**P690**
Standard for Design and Installation of Cable Systems for Class 1E Circuits in Nuclear facilities

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

**P60780-323**

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

**IEEE Vehicular Technology Society/Communications Based Train Control and Signals**

**P1474.4**
Recommended Practice for Functional Testing of a Communications-Based Train Control (CBTC) System
Recommendation: Approve PAR for the revision of a standard until December 2027.

Project Number Change Requests

IEEE Computer Society/Software & Systems Engineering Standards Committee (C/S2ESC):

- Change P982.1 to **P982**
  - Title: Standard for Measures of the Software Aspects of Dependability

IEEE Electromagnetic Compatibility Society/Standards Development Committee (EMC/SDCom):

- Change P2710 to **P299.3**
  - Title: Recommended Practice for Techniques to Evaluate the Performance of Enclosures and Other Methods for Electromagnetically Shielding Portable Electronic Devices

Standards Committee Transfers

From BOG/CAG to PE/SWG:

- 1860-2014 IEEE Guide for Voltage Regulation and Reactive Power Compensation at 1000 kV AC and Above
- 1861-2014 IEEE Guide for On-Site Acceptance Tests of Electrical Equipment and System Commissioning of 1000 kV AC and Above
- 1862-2014 IEEE Recommended Practice for Overvoltage and Insulation Coordination of Transmission Systems at 1000kV AC and Above

From C/PASC to C/MSC:

- P1003.1 Standard for Information Technology – Portable Operating System Interface (POSIX) Base Specifications, Issue 8
3.2.4 RevCom Recommendations

New

**IEEE Communications Society/Mobile Communication Networks Standards Committee**

**P1932.1/Draft 0.5**
IEEE Draft Standard for Licensed/Unlicensed Spectrum Interoperability in Wireless Mobile Networks

**Recommendation:** Disapprove with the remedy to update the draft with the changes that were stated to have been made according to the comment responses and then conduct a recirculation.

**IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee**

**P1937.11/Draft 5.23**
IEEE Draft Standard for Technical Requirements of Polar Coordinate Photogrammetry Based on Unmanned Aircraft System

**Recommendation:** APPROVE

**IEEE Computer Society/Blockchain and Distributed Ledgers**

**P3206/Draft 11**
IEEE Draft Standard for Blockchain-Based Digital Asset Classification

**Recommendation:** APPROVE

**P3209/Draft 5**
IEEE Draft Standard for Blockchain Identity Key Management

**Recommendation:** APPROVE

**IEEE Computer Society/Data Compression Standards Committee**

**P2941.2/Draft 3**
IEEE Draft Standard for Application Programming Interface (API) of Deep Learning Inference Engine

**Recommendation:** APPROVE

**P3161.9/Draft 3**
IEEE Draft Standard for Protocols and Interfaces of Digital Retina Systems

**Recommendation:** APPROVE
IEEE Computer Society/Functional Safety Standards Committee

P2851/Draft 4
IEEE Draft Standard for Functional Safety Data Format for Interoperability within the Dependability Lifecycle
Recommendation: APPROVE

IEEE Computer Society/LAN/MAN Standards Committee

P802f/Draft 2.4
IEEE Draft Standard for Local and Metropolitan Area Networks: Overview and Architecture Amendment 3: YANG Data Model for EtherTypes
Recommendation: APPROVE

P802.1Qcj/Draft 2.5
IEEE Draft Standard for Local and Metropolitan Area Networks – Bridges and Bridged Networks Amendment 37: Automatic Attachment to Provider Backbone Bridging (PBB) Services
Recommendation: APPROVE

P802.1Qcw/Draft 2.2
IEEE Draft Standard for Local and Metropolitan Area Networks – Bridges and Bridged Networks Amendment 36: YANG Data Models for Scheduled Traffic, Frame Preemption, and Per-Stream Filtering and Policing
Recommendation: APPROVE

IEEE Computer Society/Software & Systems Engineering Standards Committee

P15026-3/Draft 3
Recommendation: APPROVE

IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee

P3806/Draft 2
IEEE Draft Standard for Blockchain-Based Hepatobiliary Disease Data Extraction and Exchange
Recommendation: APPROVE

P3810/Draft 2.1
Recommendation: APPROVE

P3812.1/Draft 1.2
IEEE Draft Standard for General Requirements for Identity Framework for Metaverse
Recommendation: APPROVE

IEEE Consumer Technology Society/Emerging Technology Standards Committee

P2786/Draft 3
IEEE Draft Standard for General Requirements and Interoperability for Internet of Clothing
Recommendation: APPROVE

P2861.3/Draft 1.1
IEEE Draft Standard for Haptic Interface Enhancement for Mobile Gaming
Recommendation: APPROVE

P2868/Draft 5
IEEE Draft Standard for Architectural Framework and Technical Requirements for Smart Display System
Recommendation: APPROVE

IEEE Consumer Technology Society/Metaverse Standards Committee

P2048.101/Draft 5.0
IEEE Draft Standard for Augmented Reality on Mobile Devices: General Requirements for Software Framework, Components, and Integration
Recommendation: APPROVE

IEEE Industry Applications Society/Petroleum & Chemical Industry

P841.1/Draft 6
IEEE Draft Standard for Process Industry – International Energy Efficient Class 3 (IE3) (Premium-Efficiency), Severe-Duty, Totally Enclosed Frame Surface Cooled Squirrel Cage Induction Motors – 0.75 kW to 370 kW (1 hp to 500 hp)
Recommendation: APPROVE

**P2455/Draft 95**
IEEE Draft Recommended Practice for the Repair and Maintenance of Direct Current Electric Machines
Recommendation: APPROVE

**IEEE Instrumentation and Measurement Society/TC9 – Sensor Technology**

**P1588a/Draft 3.5**
Recommendation: APPROVE

**IEEE Power and Energy Society/Surge Protective Devices/Low Voltage**

**PC62.43.1a/Draft 6**
IEEE Draft Guide for Surge Protectors and Surge Protective Circuits Used in Information and Communications Technology (ICT), Including Smart Grid – Part 1 Applications – Amendment 1
Recommendation: APPROVE

**IEEE Power and Energy Society/Switchgear**

**PC37.100.7/Draft 4.2**
Recommendation: APPROVE

**IEEE Power and Energy Society/Transformers**

**PC57.168/Draft 8**
Recommendation: APPROVE

**IEEE Power and Energy Society/Transmission and Distribution**
P2845/Draft 11
IEEE Draft Trial Use 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

P3133/Draft 3133
Recommendation: APPROVE

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

P2956/Draft 2956
Recommendation: APPROVE

Revision

IEEE Computer Society/LAN/MAN Standards Committee

P802.15.3/Draft 6
IEEE Draft Standard for Wireless Multi-Media Networks
Recommendation: APPROVE

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

P11073-10442/Draft 7
IEEE Draft Health Informatics – Personal Health Device Communication Part 10442: Device Specialization – Strength Fitness Equipment
Recommendation: APPROVE

IEEE Industry Applications Society/Petroleum & Chemical Industry

P45.1/Draft 4.2
IEEE Draft Recommended Practice for Electrical Installations on Shipboard – Design
Recommendation: APPROVE
IEEE Power and Energy Society/Electric Machinery

P522/Draft 9
IEEE Draft Guide for Testing Turn Insulation of Form-Wound Stator Coils for Alternating-Current Electric Machines
Recommendation: APPROVE

IEEE Power and Energy Society/Insulated Conductors

P82/Draft 17
IEEE Draft Recommended Practice for Impulse Voltage Tests on Insulated Cables and Their Accessories
Recommendation: APPROVE

P1202/Draft 1
IEEE Draft Standard for Flame-Propagation Testing of Wire and Cable
Recommendation: APPROVE

IEEE Power and Energy Society/Nuclear Power Engineering

P383/Draft 8
IEEE Draft Standard for Qualifying Electric Cables and Splices for Nuclear Facilities
Recommendation: APPROVE

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P1591.1/Draft 6
IEEE Draft Standard for Testing and Performance of Hardware for Optical Ground Wire (OPGW)
Recommendation: APPROVE

IEEE Power and Energy Society/Power System Instrumentation and Measurements

P120/Draft 4
IEEE Draft Master Test Guide for Electrical Measurements in Power Circuits
Recommendation: APPROVE

IEEE Power and Energy Society/Power System Relaying and Control
**P1613/Draft 3.2**
IEEE Draft Standard for Environmental and Testing Requirements for Devices with Communications Functions Used with Electric Power Apparatus
**Recommendation:** APPROVE

**IEEE Power and Energy Society/Transformers**

**PC57.12.20/Draft 11**
IEEE Draft Standard for Overhead-Type Distribution Transformers 500 kVA and Smaller; High Voltage, 34 500 V and Below; Low Voltage, 7970/13 800Y V and Below
**Recommendation:** APPROVE

**PC57.12.24/Draft 12**
IEEE Draft Standard for Submersible, Three-Phase Transformers, 3750 kVA and Smaller: High Voltage, 34 500 GrdY/19 920 Volts and Below; Low Voltage, 600 Volts and Below
**Recommendation:** APPROVE

**PC57.150/Draft 6**
IEEE Draft Guide for the Transportation of Transformers and Reactors Rated 10,000 kVA or Higher
**Recommendation:** APPROVE

**PC57.163/Draft 2**
**Recommendation:** APPROVE

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

**P1547.2/Draft 6.5**
**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 Patent Committee (PatCom)

John Kulick, PatCom Chair, reported.

4.4 Procedures Committee (ProCom)

Ted Burse, ProCom Chair, reported.

4.5 Standards Review Committee (RevCom)

Keith Waters, RevCom Chair, reported.

4.5.1 P1937.7

IEEE Communications Society/Unmanned Aerial Vehicles Communications Standards Committee

**P1937.7/Draft 2**


**RevCom Recommendation:** APPROVE

The motion on the floor was the RevCom recommendation to APPROVE. There was discussion on the motion. The motion failed. [Vote: Yes=3, No=11, Abstain=6]

**There was a motion:**

Move to Disapprove the P1937.7/Draft 2 submittal to the IEEE SA Standards Board. The Standards Committee is required to conduct a recirculation ballot after IEEE SA Publishing Staff has conducted a new editorial review of the draft. The boilerplate text in regards to word usage (‘Should’ and ‘Shall’) is to be updated in the draft. The Working Group shall be informed of word usage and implications throughout the document to determine
whether the project should be classified as a Guide or as a Recommended Practice.

The motion was approved with one abstention [Burse].

Sara Biyabani and Doug Edwards will be mentors to the Standards Committee.

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

Yu Yuan, IEEE SA President, reported.

6.3 IEEE SA Managing Director’s Report

Konstantinos Karachalios, IEEE SA Managing Director, reported.

Konstantinos noted that he would be retiring from IEEE at the end of 2023.

6.4 SASB Chair’s Report

Chair Law reported.

6.5 TAB CoS Update

Edward Au, TAB CoS Chair, reported.

7 New Business

None.

8 Next Meeting
The next SASB meeting will be scheduled for 06 December 2023 in New Brunswick, NJ, USA.

9 SASB Resolutions

The SASB recognized the IEEE Instrumentation and Measurement Society/TC7 – Signals and Systems in Measurement Committee, to be abbreviated as IM/S&SM, as an official Standards Committee, in accordance with IEEE SASB Bylaws 5.2.2.

The SASB recognized the IEEE Oceanic Engineering Society/Standards Committee, to be abbreviated as OES/SC, as an official Standards Committee, in accordance with IEEE SASB Bylaws 5.2.2.

The SASB entered Executive Session at 12:20 p.m. ET (UTC-4).

10 Executive Session Items

10.1 SASB Oversight Committee RE: a Specific Standards Committee

10.2 Report from Ad Hoc RE: Standards Development Activities

The SASB concluded Executive Session at 12:27 p.m. ET (UTC-4).

There was no Report Out from the Executive Session.

11 Adjournment

There being no further business, the meeting was adjourned at 12:28 p.m. ET (UTC-4).