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:

IEEE SA STANDARDS ASSOCIATION

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

Stacey Rossado
Jennifer Santulli
Rudi Schubert
Alpesh Shah
Ravi Subramaniam
Michelle Turner
Meng Zhao

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

Guests:
Edward Au
Kit August
Xiaofeng Chen
Latonia Gordon
Kathy Hayashi
Tyler Jaynes
Haiying Lu
Meng Lu
Jon Rosdahl
Lachlan Scully
Mark Siira
Barry Tilton
Howard Wolfman
Yu Yuan

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

1   Call to Order

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

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   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

<u>Withdrawal Requests</u>

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
Guide for Blue-Green Laser Communication System for Industrial Underwater Operations – Generic Specification
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
Guide for Planning, Design, and Installation of Transition Facilities between Overhead and Underground Transmission Lines
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/Stds 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 TIPPSS – 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
International Standard – Explosive atmospheres – Part 30-1: Electrical Resistance Trace Heating – General and Testing Requirements
Recommendation: Approve request for an extension until 31 December 2025.

P60079-30-2

International Standard for Explosive Atmospheres – Part 30-2: Electrical Resistance Trace Heating – Application Guide for Design, Installation and Maintenance
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

Guide for the Practical Implementation of IEEE Standard 4 on High-Voltage and High-Current Measurement Systems
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
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 Ultra High Reliability
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
Recommended Practice for Application of Generator Systems for Emergency and Standby Power in Industrial and Commercial Power Systems.
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
Guide for Sampling Evaluation of the State of Operating Electrical Energy Meters
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
IEEE Standard for Wireless Access in Vehicular Environments (WAVE) – Networking Services – Corrigendum 1 – WSA Security Profiles Updates
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

IEC/IEEE International Standard – Nuclear Facilities – Electrical Equipment Important to Safety – Qualification
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

IEEE SA STANDARDS ASSOCIATION

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:

>1003.1-2017 IEEE Standard for Information Technology – Portable Operating System Interface (POSIX)

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

3.2.4 RevCom Recommendations

<u>New</u>

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
IEEE/ISO/IEC Draft International Standard – Systems and Software Engineering – Systems and Software Assurance – Part 3: System Integrity Levels
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
IEEE Draft Standard for Framework of Energy Market Simulation
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

IEEE Draft Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems Amendment: Precision Time Protocol (PTP) Enhancements for Best Master Clock Algorithm (BMCA) Mechanisms
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

IEEE Draft Guide for the Evaluation of Performance Characteristics of Non-Sulfur Hexafluoride Insulation and Arc Quenching Media for Switchgear Rated Above 1000 V
Recommendation: APPROVE

IEEE Power and Energy Society/Transformers

PC57.168/Draft 8

IEEE Draft Guide for Low Frequency Dielectric Testing for Distribution, Power, and Regulating Transformers
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
IEEE Draft Guide for Direct Current (DC) Ice-Melting Technology of Overhead Transmission Lines
Recommendation: APPROVE

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

P2956/Draft 2956
IEEE Draft Standard Test Method for Surface Transfer Impedance of Shielded Power Cables and Connectors for Rail Vehicles
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
IEEE Draft Guide for Establishing Power Transformer Capability While Under Geomagnetic Disturbances
Recommendation: APPROVE

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

P1547.2/Draft 6.5
IEEE Draft Application Guide for IEEE Std 1547 IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems
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
IEEE Draft Standard for the Unmanned Aerial Vehicle (UAV) Polarimetric Remote Sensing Method for Earth Observation Applications
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).