IEEE SA Standards Board (SASB) Meeting Minutes
21 September 2022
12:30 p.m. – 3:30 p.m. UTC
Teleconference/Webex

Attendees

Chair:
David Law

Vice Chair:
Ted Burse

Past Chair:
Gary Hoffman

Secretary:
Konstantinos Karachalios

Members:
Edward Addy [TAB Rep.]
Ramy Fathy
Travis Griffith
Guido Hiertz
Yousef Kimiagar
Thomas Koshy
John Kulick
Johnny Lin
Kevin Lu
Andrew Myles
Damir Novosel
Annette Reilly
Robby Robson
Jon Rosdahl
Mark Siira
Dorothy Stanley
Lei Wang
Keith Waters
Karl Weber
Sha Wei
Philip Winston

**Members Absent:**
Daleep Mohla
Daidi Zhong

Joe Koepfinger, Member Emeritus

**IEEE Staff:**
Christy Bahn
Adrien Bastos
Hermann Brand
Kim Breitfelder
Matthew Ceglia
Susan England-Lutz
Karen Evangelista
Lloyd Green
Jodi Haasz
Yvette Ho Sang
Ron Hotchkiss
Michael Kipness
Jiajia Liu
Kelly Lorne
Karen McCabe
Suzanne Merten
Erin Morales
Karen Mulberry
Mary Lynne Nielsen
Tania Olabi-Colon
Christian Orlando
Shana Pepin
Dave Ringle, Recording Secretary
Pat Roder
Jennifer Santulli
Rudi Schubert
Tom Thompson
Lisa Weisser
Malia Zaman
Meng Zhao

**IEEE Outside Legal Counsel:**
Claire Topp – Dorsey & Whitney LLP
Guests:
Sara Biyabani
Xiaofeng Chen
Doug Edwards
Mathews George
Latonia Gordon
George Kasangaki
Sengmeng Koo
Joseph Levy
Xiaohui Liu
Haiying Lu
Jim Matthews
Paul Nikolich
Glenn Parsons
Lachlan Scully
Mehmet Ulema
Victoria Wang
Constance Weise
Don Wright
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 2022 folder.]

1  Call to Order

SASB Chair David Law called the meeting to order at 12:33 p.m. UTC.

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
There was a motion to approve the agenda. In the absence of objection, the motion was approved by unanimous consent.

3.2  Consent Agenda
3.2.1  Approval of 16 June 2022 SASB Meeting Minutes

3.2.2  AudCom Recommendations

Standards Committee P&Ps

Accepted (standards work authorized):

AES/GA  Aerospace and Electronic Systems Society/Gyro Accelerometer Panel

CASS/DSA-SC  Circuits and Systems Society/Domain-Specific Accelerators Standards Committee

CASS/EPS-SC  Circuits and Systems Society/Emerging Processor Systems Standards Committee

CASS/FW-SC  Circuits and Systems Society/Flexible and Wearable Circuits and Systems Standards Committee

CASS/IC-SC  Circuits and Systems Society/Integrated Circuit Design and Test for Emerging Circuits and Systems Standards Committee

COM/NetSoft-SC  Communications Society/Virtualized and Software Defined Networks, and Services Standards Committee

CTSoc/VRARSC  Consumer Technology Society/Virtual Reality and Augmented Reality Standards Committee

Note: This Standards Committee name is being Updated to Metaverse Standards Committee

ITSS/SC  Intelligent Transportation Systems Society/Standards Committee
New Standards Committee Recognition with Accepted P&Ps

Motion: Recommend that the SASB recognize the Circuits and Systems Society/Domain-Specific Accelerators Standards Committee, to be abbreviated as CASS/DSA-SC, as an official Standards Committee, in accordance with IEEE SASB Bylaws 5.2.2.

Motion: Recommend that the SASB recognize the Circuits and Systems Society/Emerging Processor Systems Standards Committee, to be abbreviated as CASS/EPS-SC, as an official Standards Committee, in accordance with IEEE SASB Bylaws 5.2.2.

Motion: Recommend that the SASB recognize the Circuits and Systems Society/Flexible and Wearable Circuits and Systems Standards Committee, to be abbreviated as CASS/FW-SC, as an official Standards Committee, in accordance with IEEE SASB Bylaws 5.2.2.

Motion: Recommend that the SASB recognize the Circuits and Systems Society/Integrated Circuit Design and Test for Emerging Circuits and Systems Standards Committee, to be abbreviated as CASS/IC-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

P2963
Standard for Data Formats for Smart Legal Contracts
Recommendation: Approve PAR withdrawal

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

PC62.44a
Guide for the Application of Low-Voltage (1000 V rms or Less) Surge Protective Devices Used on Secondary Distribution Systems (Between the Transformer Low-Voltage Terminals and the Line Side of the Service
Equipment) Amendment 1 – Annex D

**Recommendation:** Approve PAR withdrawal

**Modified PARs:**

**IEEE Computer Society/Design Automation**

**P3164**
Standard for Security Annotation for Electronic Design Integration

**Recommendation:** Approve modified PAR

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

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

**Recommendation:** Approve modified PAR

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

**P1451.0**

**Recommendation:** Approve modified PAR

**P1451.4**
Standard for a Smart Transducer Interface for Sensors and Actuators – Mixed-Mode Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats

**Recommendation:** Approve modified PAR

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

**P1202**
Standard for Flame-Propagation Testing of Wire and Cable

**Recommendation:** Approve modified PAR

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

**P2845**
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 modified PAR

**IEEE SA Board of Governors/Corporate Advisory Group**

**P3300**
Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Multimodal Conversation Version 1.2

**Recommendation:** Approve modified PAR

**P3302**
Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Context-based Audio Enhancement (CAE) Version 1.4

**Recommendation:** Approve modified PAR

**IEEE-SASB Coordinating Committees/SCC21 – Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage**

**P2030.10.1**
Standard for Electricity Access Requirements with Safety Extra Low Voltage (SELV) DC for Tier II and Tier III of Energy Sector Management Assistance Program (ESMAP) Multi-Tier Framework for Household Electricity Supply

**Recommendation:** Approve modified PAR

**Extension Requests:**

**IEEE Computer Society/Design Automation**

**P1666**

**Recommendation:** Approve request for an extension until December 2023

**P1735**
Recommended Practice for Encryption and Management of Electronic Design Intellectual Property (IP)

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

**P1801**
Standard for Design and Verification of Low Power, Energy Aware Electronic Systems

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

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

**P802.1CQ**
Standard for Local and Metropolitan Area Networks: Multicast and Local Address Assignment

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

**P802.1DC**
Quality of Service Provision by Network Systems

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

**P802.1Qcz**
Standard for Local and Metropolitan Area Networks – Bridges and Bridged Networks
Amendment: Congestion Isolation

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

**P802.1Qdd**
Standard for Local and Metropolitan Area Networks – Bridges and Bridged Networks
Amendment: Resource Allocation Protocol

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

**P802.11bb**
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: Light Communications

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

**P802.11bc**
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: Enhanced Broadcast Service

**Recommendation:** Approve request for an extension until December 2024
P802.11bd
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 Next Generation V2X
Recommendation: Approve request for an extension until December 2023

P802.15.13
Standard for Multi-Gigabit per Second Optical Wireless Communications (OWC), with Ranges up to 200 meters, for both Stationary and Mobile Devices
Recommendation: Approve request for an extension until December 2023

P60802
Time-Sensitive Networking Profile for Industrial Automation
Recommendation: Approve request for an extension until December 2025

IEEE Computer Society/Software & Systems Engineering Standards Committee

P1012
Standard for System, Software, and Hardware Verification and Validation
Recommendation: Approve request for an extension until December 2024

IEEE Computer Society/Standards Activities Board

P2418.3
Standard for the Framework of Distributed Ledger Technology (DLT) Use in Agriculture
Recommendation: Approve request for an extension until December 2024

P7131
Standard for Quantum Computing Performance Metrics & Performance Benchmarking
Recommendation: Approve request for an extension until December 2024

IEEE Computer Society/Test Technology

P1687.1
Standard for the Application of Interfaces and Controllers to Access 1687 IJTAG Networks Embedded within Semiconductor Devices

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

**P2654**
Standard for System Test Access Management (STAM) to Enable Use of Sub-System Test Capabilities at Higher Architectural Levels

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

**IEEE Dielectrics and Electrical Insulation Society/Standards Committee**

**P1043**
Recommended Practice for Voltage-Endurance Testing of Form-Wound Bars and Coils

**Recommendation:** Approve request for an extension until December 2023

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

**P2731**
Standard for a Unified Terminology for Brain-Computer Interfaces

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

**IEEE Geoscience and Remote Sensing Society/Standards Committee**

**P4002**
Standard for Synthetic Aperture Radar Metadata Content

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

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

**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 December 2023

**IEEE Industry Applications Society/Industrial & Commercial Power Systems Standards Development Committee**
P3001.9
Recommended Practice for the Design of Power Systems Supplying Lighting Systems in Commercial and Industrial Facilities
Recommendation: Approve request for an extension until December 2023

IEEE Industry Applications Society/Petroleum & Chemical Industry

P303
Recommended Practice for Auxiliary Devices for Rotating Electrical Machines in Class I, Division 2 and Zone 2 Locations and Class II, Division 2 and Zone 22 Locations
Recommendation: Approve request for an extension until December 2023

P62395-1
Recommendation: Approve request for an extension until December 2024

P80005-3
Utility Connections in Port – Part 3: Low Voltage Shore Connection (LVSC) Systems – General Requirements
Recommendation: Approve request for an extension until December 2023

IEEE Instrumentation and Measurement Society/TC9 – Sensor Technology

P1451.4
Standard for a Smart Transducer Interface for Sensors and Actuators – Mixed-Mode Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats
Recommendation: Approve request for an extension until December 2025

IEEE Power and Energy Society/Electric Machinery

PC50.12
Standard for 50 Hz and 60 Hz Synchronous Generators and Generator/Motors Coupled to Hydraulic Turbines and Rated 5 MVA and Above
Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Energy Development & Power Generation
P63197
Standard Terms and Definitions for Turbine Governing Systems
Recommendation: Approve request for an extension until December 2024

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

P2686
Recommended Practice for Battery Management Systems in Energy Storage Applications
Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Insulated Conductors

P495
Guide for Testing Faulted Circuit Indicators
Recommendation: Approve request for an extension until December 2023

P1142
Guide for the Selection, Testing, Application, and Installation of 300 V to 500 kV Cables having Radial-Moisture Barriers and/or Longitudinal Water Blocking
Recommendation: Approve request for an extension until December 2024

P1202
Standard for Testing Flame-Propagation and Smoke Generation of Cables
Recommendation: Approve request for an extension until December 2023

P1235
Guide for Properties of Stripes and Ridges for Identification of Underground Power Cable Jackets and Ducts
Recommendation: Approve request for an extension until December 2023

P1511.2
Guide for Investigating and Analyzing Failures of Joints on Extruded Shielded Power Cables on Systems Rated 5 kV through 46 kV
Recommendation: Approve request for an extension until December 2025

PC62.22.1
Guide for Connection of Surge Arresters to Protect Insulated Shielded Electric Power Cable Systems up to 46 kV
Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Nuclear Power Engineering

P7-4.3.2
Recommendation: Approve request for an extension until December 2026

P420
Standard for the Design and Qualification of Class 1E Control Boards, Panels, and Racks Used in Nuclear Power Generating Stations
Recommendation: Approve request for an extension until December 2023

P2421
Guide for Designing and Developing Computer-Based Displays for Monitoring and Control of Nuclear Facilities
Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P643
Guide for Power-Line Carrier Applications
Recommendation: Approve request for an extension until December 2025

P2664
Standard for Streaming Telemetry Transport Protocol
Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Power System Relaying and Control

P2030.12
Guide for the Design of Microgrid Protection Systems
Recommendation: Approve request for an extension until December 2024

P2030.100.1
Monitoring and Diagnostics of IEC 61850 Generic Object Oriented Status Event (GOOSE) and Sampled Values Based Systems
Recommendation: Approve request for an extension until December 2024

PC37.1.2
Guide for Databases Used in Utility Automation Systems
**Recommendation:** Approve request for an extension until December 2024

**PC37.233** Guide for Power System Protection Testing
**Recommendation:** Approve request for an extension until December 2023

**PC37.300** Guide for Centralized Protection and Control (CPC) Systems within a Substation
**Recommendation:** Approve request for an extension until December 2024

**IEEE Power and Energy Society/Substations**

**P998** Guide for Direct Lightning Stroke Shielding of Substations
**Recommendation:** Approve request for an extension until December 2024

**P1818** Recommended Practice for the Design of Low-Voltage Auxiliary Systems for Electric Power Substations
**Recommendation:** Approve request for an extension until December 2024

**IEEE Power and Energy Society/Transformers**

**PC57.12.44** Standard Requirements for Secondary Network Protectors
**Recommendation:** Approve request for an extension until December 2023

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

**P1695** Guide to Understanding, Diagnosing, and Mitigating Stray and Contact Voltage
**Recommendation:** Approve request for an extension until December 2024

**P2748** Recommended Practice for Fault Diagnosis and Protection in Smart Distribution System
**Recommendation:** Approve request for an extension until December 2023

**P2749**
Recommended Practice for Risk Identification and Evaluation of Smart Power Distribution System

**Recommendation:** Approve request for an extension until December 2023

**P2797**
Guide for Forecast and Early Warning of Icing on Overhead Transmission Lines in Micro-Topographic Areas

**Recommendation:** Approve request for an extension until December 2023

**IEEE Reliability Society/IEEE Reliability**

**P1413.1**
Guide for Selecting and Using Reliability Predictions Based on IEEE 1413

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

**P1624**
Standard for Organizational Reliability Capability

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

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

**P1474.2**
Standard for User Interface Requirements in Communications-Based Train Control (CBTC) Systems

**Recommendation:** Approve request for an extension until December 2023

**P1474.3**
Recommended Practice for Communications-Based Train Control (CBTC) System Design and Functional Allocations

**Recommendation:** Approve request for an extension until December 2023

**New PARs:**

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

**P1936.3**
Standard for Unmanned Aircraft Systems (UAS) Using Light Detection and Ranging (LiDAR) for above 110 kV Overhead Transmission Line Survey and Design

**Recommendation:** Approve new PAR until December 2026
P1936.4 Standard for Technical Requirements for the Maintenance of Multi-Rotor Unmanned Aircraft Systems Used for Power Grid Inspection
Recommendation: Approve new PAR until December 2026

P1936.5 Standard for Technical Requirements for Intelligent Hangar Housing Unmanned Aircraft Systems Used for Power Grid Inspection
Recommendation: Approve new PAR until December 2026

P1937.11 Standard for Technical Requirements of Polar Coordinate Photogrammetry Based on Unmanned Aircraft System
Recommendation: Approve new PAR until December 2026

P1937.12 Standard for Technical Requirements for Emergency Cellular Communication System Based on Fixed-Wing Unmanned Aircraft System
Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Artificial Intelligence Standards Committee

P3193 Recommended Practice on Large-Scale Pre-Trained Deep Learning Model Application Framework
Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P2883.1 Recommended Practice for Use of Storage Sanitization Methods
Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Data Compression Standards Committee

P3161.9 Standard for Protocols and Interfaces of Digital Retina Systems
Recommendation: Approve new PAR until December 2026

IEEE Computer Society/LAN/MAN Standards Committee
P802.1CS-2020/Cor 1
Standard for Local and Metropolitan Area Networks – Link-Local Registration Protocol
Corrigendum 1 Corrections to YANG Data Model
Recommendation: Approve new PAR until December 2026

P802.1Qdv
Standard for Local and Metropolitan Area Networks – Bridges and Bridged Networks
Amendment: Enhancements to Cyclic Queuing and Forwarding
Recommendation: Approve new PAR until December 2026

P802.1Qdw
Standard for Local and Metropolitan Area Networks – Bridges and Bridged Networks
Amendment: Source Flow Control
Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Standards Activities Board

P3079.2.2
Standard for UI (User Interface)/UX (User Experience) Framework for Motion Training
Recommendation: Approve new PAR until December 2026

P3079.3.1
Standard for Service Application Programming Interfaces (APIs) for Digital Human Authoring and Visualization
Recommendation: Approve new PAR until December 2026

P3185
Standard for Hybrid Quantum-Classical Computing
Recommendation: Approve new PAR until December 2026

P3188
Standard for Virtual E-Card Platform
Recommendation: Approve new PAR until December 2026

P3190
Recommended Practice for Open Source Software Project Governance
Recommendation: Approve new PAR until December 2026
**P3195**
Standard for Requirements for a Mid-Level Ontology and Extensions
**Recommendation:** Approve new PAR until December 2026

**P3195.1**
Standard for Common Core Ontology (CCO)
**Recommendation:** Approve new PAR until December 2026

**P3195.1.1**
Standard for Cyber Ontology
**Recommendation:** Approve new PAR until December 2026

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

**P2710**
Recommended Practice for Techniques to Evaluate the Performance of Enclosures and Other Methods for Electromagnetically Shielding Portable Electronic Devices
**Recommendation:** Approve new PAR until December 2026

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

**P3183**
Recommended Practice for the Usability Assessment of Digital Therapeutics Software for Psychological Behavioral Therapy
**Recommendation:** Approve new PAR until December 2026

**P3191**
Recommended Practice for Performance Monitoring of Machine Learning-Enabled Medical Device in Clinical Use
**Recommendation:** Approve new PAR until December 2026

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

**P1584.2**
Guide and Checklists for the Data Collection for Performing an Arc-Flash Hazard Calculation Study in Accordance with IEEE Std. 1584™ and IEEE Std. 1584.1™ for Systems Operating at Three-Phase 50/60 Hz Alternating Current (AC) 1000 V and below
**Recommendation:** Approve new PAR until December 2026
IEEE Instrumentation and Measurement Society/TC45 – Radiation and Nuclear Instrumentation and Systems

**PN42.49.1**
Performance Criteria for Non-Alarming Personal Emergency Radiation Detectors (PERDs) for Exposure Control
**Recommendation:** Approve new PAR until December 2026

**PN42.55**
Standard for the Performance of Portable Transmission X-Ray Systems for Use in Improvised Explosive Device and Hazardous Device Identification
**Recommendation:** Approve new PAR until December 2026

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

**P3189**
Recommended Practice for the Design and Construction of Prefabricated and Modular Outdoor Battery Enclosures
**Recommendation:** Approve new PAR until December 2026

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

**PC62.42.7**
Guide for the Application of Thyristor Surge Protective Components
**Recommendation:** Approve new PAR until December 2026

IEEE Power and Energy Society/Transmission and Distribution

**P3192**
Guide for Corrosion Inspection and Evaluation of High Voltage Direct Current (HVDC) Grounding Electrodes (±400 kV to ±1100 kV)
**Recommendation:** Approve new PAR until December 2026

**P3194**
Standard for Insulating Scissor-Type Platform for Live-Line Working
**Recommendation:** Approve new PAR until December 2026

IEEE Robotics and Automation Society/Standing Committee for Standards
P1872.3
Standard for Ontology Reasoning on Multiple Robots
Recommendation: Approve new PAR until December 2026

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

P7700
Recommended Practice for the Responsible Design and Development of Neurotechnologies
Recommendation: Approve new PAR until December 2026

P7800
Recommended Practice for Addressing Sustainability, Environmental Stewardship, and Climate Change Challenges in Professional Practice
Recommendation: Approve new PAR until December 2026

IEEE-SASB Coordinating Committees/SCC31 – Automatic Meter Reading and Energy Management

P3197
Guide for Data Transmission Interface of Smart Meters
Recommendation: Approve new PAR until December 2026

PARs for the Revision of Standards:

IEEE Computer Society/LAN/MAN Standards Committee

P802.15.4
Standard for Low-Rate Wireless Networks
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Computer Society/Software & Systems Engineering Standards Committee

P29119-5
Recommendation: Approve PAR for the revision of a standard until December 2026
IEEE Industry Applications Society/Industrial & Commercial Power Systems Standards Development Committee

P3004.5
Recommended Practice for the Application of Low-Voltage Circuit Breakers in Industrial and Commercial Power Systems
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Industry Applications Society/Petroleum & Chemical Industry

P45.8
Recommended Practice for Electrical Installations on Shipboard – Cable Systems
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Power and Energy Society/Electric Machinery

P43
Recommended Practice for Testing Insulation Resistance of Electric Machinery
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Power and Energy Society/Energy Development & Power Generation

P422
Guide for the Design of Cable Raceway Systems for Electric Generating Facilities
Recommendation: Approve PAR for the revision of a standard until December 2026

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

P946
Recommended Practice for the Design of DC Power Systems for Stationary Applications
Recommendation: Approve PAR for the revision of a standard until December 2026

P1679.1
Guide for the Characterization and Evaluation of Lithium-Based Batteries in Stationary Applications
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Power and Energy Society/Insulated Conductors

P400.2
Guide for Field Testing of Shielded Power Cable Systems Using Very Low Frequency (VLF) (less than 1 Hz)
Recommendation: Approve PAR for the revision of a standard until December 2026

P1143
Guide on Shielding Practice for Low Voltage Cables
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Power and Energy Society/Nuclear Power Engineering

P497
Standard Criteria for Accident Monitoring Instrumentation for Nuclear Power Generating Stations
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Power and Energy Society/Power System Relaying and Control

PC37.111
International Standard – Measuring Relays and Protection Equipment – Part 24: Common Format for Transient Data Exchange (COMTRADE) for Power Systems
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Power and Energy Society/Substations

P1246
Guide for Temporary Protective Grounding Systems Used in Substations

Recommendation: Approve PAR for the revision of a standard until December 2026

PC37.122.1
Guide for Gas-Insulated Substations Rated above 52 kV
Recommendation: Approve PAR for the revision of a standard until December 2026

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

PC62.55
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Power and Energy Society/Switchgear

PC37.27
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE Power and Energy Society/Transmission and Distribution

P977
Guide to Installation of Foundations for Transmission Line Structures
Recommendation: Approve PAR for the revision of a standard until December 2026

P1724
Recommendation: Approve PAR for the revision of a standard until December 2026

IEEE-SASB Coordinating Committees/SCC21 – Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage

P1561
Guide for Optimizing the Utilization of Resources in Hybrid Power Systems
**Recommendation:** Approve PAR for the revision of a standard until December 2026

**Standards Committee Changes:**

Current Standards Committee for the following standards: COM/AccessCore-SC; New Standards Committee: COM/AerCom-SC:

- **1937.1** Standard Interface Requirements and Performance Characteristics for Payload Devices in Drones
- **1936.1** Standard for Drone Applications Framework
- **1939.1** Standard for a Framework for Structuring Low Altitude Airspace for Unmanned Aerial Vehicle (UAV) Operations

Current Standards Committee for the following PARs: COM/AccessCore-SC; New Standards Committee: COM/AerCom-SC:

- **P1936.2** Photogrammetric Technical Standard of Civil Light and Small Unmanned Aircraft Systems for Overhead Transmission Line Engineering
- **P1937.3** Protocol for the Flight Data Transmission of Civil Unmanned Aerial Vehicle Based on BeiDou Short Message
- **P1937.6** Standard for Unmanned Aerial Vehicle (UAV) Light Detection and Ranging (LiDAR) Remote Sensing Operation
- **P1937.7** Standard for the Unmanned Aerial Vehicle (UAV) Polarimetric Remote Sensing Method for Earth Observation Applications
- **P1937.8** Standard for Functional and Interface Requirements for Unmanned Aerial Vehicle (UAV) Cellular Communication Terminals
- **P1937.9** Requirements for External Power and Power Management Interfaces for Unmanned Aerial Vehicle

Current Standards Committee for the following standards: SASB/SCC21; New Standards Committee: PE/ESSB

- **937** Recommended Practice for Installation and Maintenance of Lead-Acid Batteries for Photovoltaic (PV) Systems
- **1013** Recommended Practice for Sizing Lead-Acid Batteries for Stand-Alone Photovoltaic (PV) Systems
- **1144** Recommended Practice for Sizing Nickel-Cadmium Batteries for Photovoltaic (PV) Systems
- **1145** Recommended Practice for the Installation and Maintenance of Nickel-Cadmium Batteries for Photovoltaic (PV) Systems
1361 Guide for Selection, Charging, Test and Evaluation of Lead-Acid Batteries Used in Stand-Alone Photovoltaic (PV) Systems
1526 Recommended Practice for Testing the Performance of Stand-Alone Photovoltaic Systems
1561 Guide for Optimizing the Performance and Life of Lead-Acid Batteries in Remote Hybrid Power Systems
1562 Recommended Practice for Sizing of Stand-Alone Photovoltaic (PV) Systems
1661 Guide for Test and Evaluation of Lead-Acid Batteries Used in Photovoltaic (PV) Hybrid Power Systems

Current Standards Committee for the following standards: VT/RTSC; New Standards Committee: VT/CBTC&SIG

1483 Standard for Verification of Vital Functions in Processor-Based Systems Used in Rail Transit Control
1570 Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection
1475 Standard for the Functioning of and Interfaces Among Propulsion, Friction Brake, and Train-Borne Master Control on Rail Rapid Transit Vehicles
1698 Guide for the Calculation of Braking Distances for Rail Transit Vehicles

Current Standards Committee for the following standards: VT/RTSC; New Standards Committee: VT/OCS

1627 Standard for Transient Overvoltage Protection of DC Electrification Systems by Application of DC Surge Arresters
1629 Standard for Performance of DC Overhead Current Collectors for Rail Transit Vehicles
1630 Standard for Supporting Structures for Overhead Contact Systems for Transit Systems
1791 Recommended Practice for Terminology Used for Direct Current Electric Transit Overhead Contact Systems
1896 Standard for Identification of Contact Wire Used in Overhead Contact Systems

Current Standards Committee for the following PARs: VT/RTSC; New Standards Committee: VT/OCS
3.2.4 RevCom Recommendations

New:

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

**P2841/Draft 2.1**
Recommendation: APPROVE

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

**P3207/Draft 7**
IEEE Draft Standard for Blockchain-Based Digital Asset Identification
Recommendation: APPROVE

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

**P802.3ck/Draft 3.3**
IEEE Draft Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for 100 Gb/s, 200 Gb/s, and 400 Gb/s Electrical Interfaces Based on 100 Gb/s Signaling
Recommendation: APPROVE

**P802.3cs/Draft 3.4**
IEEE Draft Standard for Ethernet Amendment 2: Physical Layers and Management Parameters for Increased Reach Point-to-Multipoint Ethernet Optical Subscriber Access (Super-PON)
Recommendation: APPROVE

**P802.3db/Draft 3.2**
IEEE Draft Standard for Ethernet – Amendment 3: Physical Layer Specifications and Management Parameters for 100 Gb/s, 200 Gb/s, and 400 Gb/s Operation over Optical Fiber Using 100 Gb/s Signaling
Recommendation: APPROVE
**P802.3de/Draft 3.1**
IEEE Draft Standard for Ethernet – Amendment 5: Enhancements to the MAC Merge and Time Synchronization Service Interface for Point-to-Point 10 Mb/s Single Pair Ethernet
**Recommendation:** APPROVE

**P802.11-2020/Cor 1/Draft 2.1**
IEEE Draft 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 1 – Correct IEEE 802.11ay Assignment of Protected Announce Support Bit
**Recommendation:** APPROVE

**P802.15.4-2020/Cor 1/Draft 6**
IEEE Draft Standard for Low-Rate Wireless Networks – Corrigendum 1 Correction of errors preventing backward compatibility
**Recommendation:** APPROVE

**IEEE Computer Society/Learning Technology**

**P1484.20.2/Draft 5**
IEEE Draft Recommended Practices for Defining Competencies
**Recommendation:** APPROVE

**IEEE Computer Society/Standards Activities Board**

**P2807/Draft 1.1**
IEEE Draft Framework of Knowledge Graphs
**Recommendation:** APPROVE

**P2807.3/Draft 1**
IEEE Draft Guide for Electric-Power-Oriented Knowledge Graph
**Recommendation:** APPROVE

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

**P11073-10206/Draft 6**
Recommendation: APPROVE

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

**P2730/Draft 1.3**
IEEE Draft Standard for Terms, Definitions, and Classification of Medical Electrical Equipment/Systems Employing Robotic Technology
Recommendation: APPROVE

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

**P1349-2021/Cor 1/Draft 1.3**
IEEE Draft Guide for the Application of Electric Machines in Zone 2 and Class I, Division 2 Hazardous (Classified) Locations – Corrigendum 1
Recommendation: APPROVE

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

**P2405/Draft 9.8**
IEEE Draft Standard for the Design of Chargers Used in Stationary Battery Applications
Recommendation: APPROVE

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

**P487.3a/Draft 5**
IEEE Draft Standard for the Electrical Protection of Communication Facilities Serving Electric Supply Locations through the Use of Hybrid Facilities – Amendment 1
Recommendation: APPROVE

**IEEE Power and Energy Society/Transformers**

**PC57.12.200/Draft 13**
Recommendation: APPROVE

Revision:

IEEE Aerospace and Electronic Systems Society/Gyro Accelerometer Panel

P1559/Draft 11
IEEE Draft Standard for Inertial Systems Terminology
Recommendation: APPROVE

IEEE Computer Society/Design Automation

P1685/Draft 2
Recommendation: APPROVE

IEEE Computer Society/LAN/MAN Standards Committee

P802.1Q/Draft 1.2
IEEE Draft Standard for Local and Metropolitan Area Networks – Bridges and Bridged Networks
Recommendation: APPROVE

IEEE Computer Society/Software & Systems Engineering Standards Committee

P15026-2/Draft 4
Recommendation: APPROVE

P42010/Draft 5
Recommendation: APPROVE

IEEE Industry Applications Society/Petroleum & Chemical Industry

P515.1/Draft 3

**Recommendation:** APPROVE

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

**PN42.38/Draft 5**
IEEE Draft Standard for Spectroscopy-Based Portal Monitors Used for Homeland Security

**Recommendation:** APPROVE

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

**P1635/Draft 26**

**Recommendation:** APPROVE

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

**P62582-2/Draft 2**

**Recommendation:** APPROVE

**P62582-4/Draft 2**

**Recommendation:** APPROVE

**IEEE Power and Energy Society/Power System Relaying and Control**

**PC37.2/Draft 1.1**
IEEE Draft Standard Electrical Power System Device Function Numbers, Acronyms, and Contact Designations

**Recommendation:** APPROVE

**IEEE Power and Energy Society/Substations**

**Recommendation:** APPROVE

**IEEE Power and Energy Society/Switchgear**

**PC37.20.2/Draft 19**
IEEE Draft Standard for Metal-Clad Switchgear

**Recommendation:** APPROVE

**PC37.012/Draft 8**
IEEE Draft Guide for the Application of Capacitive Current Switching for AC High-Voltage Circuit Breakers above 1000 V

**Recommendation:** APPROVE

**IEEE Power and Energy Society/Transformers**

**PC57.12.34/Draft 3.00**
IEEE Draft Standard Requirements for Pad-Mounted, Compartmental-Type, Self-Cooled, Three-Phase Distribution Transformers, 10 MVA and Smaller; High-Voltage, 34.5 kV Nominal System Voltage and Below; Low-Voltage, 15 kV Nominal System Voltage and Below

**Recommendation:** APPROVE

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

**P1366/Draft 7**
IEEE Draft Guide for Electric Power Distribution Reliability Indices

**Recommendation:** APPROVE

**IEEE-SASB Coordinating Committees/SCC20 – Test and Diagnosis for Electronic Systems**

**P1641/Draft 10**
IEEE Draft Standard for Signal and Test Definition

**Recommendation:** APPROVE

4. **SASB Standing Committee Reports**
4.1 Audit Committee ([AudCom](#))

Kevin Lu, AudCom Chair, reported.
4.2 New Standards Committee (NesCom)
Dorothy Stanley, NesCom Chair, reported.

4.3 Procedures Committee (ProCom)
Ted Burse, ProCom Chair, reported.

4.4 Standards Review Committee (RevCom)
Travis Griffith, RevCom Chair, reported.

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 IEEE SA Managing Director’s Report
Konstantinos Karachalios, IEEE SA Managing Director, reported.

6.4 SASB Chair’s Report
Chair Law reported.

Chair Law thanked Don Wright (Chair) and the members of the previous Oversight Committee.
Chair Law thanked John Kulick (Chair) and the members of the current Oversight Committee.

Chair Law thanked Ted Burse for being the Acting SASB Chair during the June 2022 SASB meeting.

7 New Business

None.

8 Next Meeting

The next SASB meeting will be scheduled for 03 December 2022 in Piscataway, New Jersey, USA.

9 SASB Resolutions

The SASB recognized the Circuits and Systems Society/Domain-Specific Accelerators Standards Committee, to be abbreviated as CASS/DSA-SC, as an official Standards Committee, in accordance with IEEE SASB Bylaws 5.2.2.

The SASB recognized the Circuits and Systems Society/Emerging Processor Systems Standards Committee, to be abbreviated as CASS/EPS-SC, as an official Standards Committee, in accordance with IEEE SASB Bylaws 5.2.2.

The SASB recognized the Circuits and Systems Society/Flexible and Wearable Circuits and Systems Standards Committee, to be abbreviated as CASS/FW-SC, as an official Standards Committee, in accordance with IEEE SASB Bylaws 5.2.2.

The SASB recognized the Circuits and Systems Society/Integrated Circuit Design and Test for Emerging Circuits and Systems Standards Committee, to be abbreviated as CASS/IC-SC, as an official Standards Committee, in accordance with IEEE SASB Bylaws 5.2.2.

10 Executive Session Items

10.1 SASB Oversight Committee RE: a Specific Standards Committee
There being no further business, the meeting was adjourned at 3:30 p.m. UTC.