

**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
	<i>Note: This Standards Committee name is being Updated to Metaverse Standards Committee</i>
ITSS/SC	Intelligent Transportation Systems Society/Standards Committee

PE/PSRCC

Power and Energy Society/Power System Relating and Control

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/EP-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

Standard for a Smart Transducer Interface for Sensors, Actuators, Devices, and Systems – Common Functions, Communication Protocols, and Transducer Electronic Data Sheet (TEDS) Formats

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

Standard for Standard SystemC Language Reference Manual

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

Electrical Resistance Trace Heating Systems for Industrial and Commercial Applications – Part 1: General and Testing Requirements

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

Standard Criteria for Programmable Digital Devices in Safety Systems of Nuclear Power Generating Stations

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

Software and Systems Engineering – Software Testing – Part 5: Keyword-Driven Testing

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

Guide for Surge Protection of DC Power Feeds to Remote Radio Heads

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

IEEE Power and Energy Society/Switchgear

PC37.27

Guide for Low-Voltage AC (635 V and below) Power Circuit Breakers Applied with Separately-Mounted Current-Limiting Fuses

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

Guide for the Preparation of a Transmission Line Design Criteria Document

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

P1628 Recommended Practice for Maintenance of Direct Current (DC) Overhead Contact Systems for Transit Systems

P1833 Guidelines for the Design of Direct Current Overhead Contact Systems for Transit Systems

P2406 Standard for Design and Construction of Non-Load Break Disconnect Switches for Direct Current Applications on Transit Systems

3.2.4 RevCom Recommendations

New:

IEEE Computer Society/Artificial Intelligence Standards Committee

P2841/Draft 2.1

IEEE Draft Framework and Process for Deep Learning Evaluation

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

IEEE Draft Standard – Health Informatics – Device Interoperability – Part 10206: Personal Health Device Communication – Abstract Information Content Model

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

IEEE Draft Guide for the Frequency Domain Spectroscopy Measurement of Transformer Bushings

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

IEEE Draft Standard for IP-XACT, Standard Structure for Packaging, Integrating, and Reusing IP within Tool Flows

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

ISO/IEC/IEEE Draft International Standard – Systems and Software Engineering – Systems and Software Assurance – Part 2: Assurance Case

Recommendation: APPROVE

P42010/Draft 5

IEEE/ISO/IEC Draft International Standard for Systems and Software Engineering – Architecture Description

Recommendation: APPROVE

IEEE Industry Applications Society/Petroleum & Chemical Industry

P515.1/Draft 3

IEEE Draft Standard for the Testing, Design, Installation, and Maintenance of Electrical Resistance Trace Heating for Commercial Applications

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

IEEE/ASHRAE Draft Guide for the Ventilation and Thermal Management of Batteries for Stationary Applications

Recommendation: APPROVE

IEEE Power and Energy Society/Nuclear Power Engineering

P62582-2/Draft 2

IEC/IEEE International Standard – Nuclear Power Plants – Instrumentation and Control Important to Safety – Electrical Equipment Condition Monitoring Methods – Part 2: Indenter Measurements

Recommendation: APPROVE

P62582-4/Draft 2

IEC/IEEE Draft International Standard – Nuclear Power Plants – Instrumentation and Control Important to Safety – Electrical Equipment Condition Monitoring Methods – Part 4: Oxidation Induction Techniques

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

P1264/Draft 4.5

IEEE Draft Guide for Animal Mitigation for Electric Power Supply 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/EPSC, 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

11 Adjournment

There being no further business, the meeting was adjourned at 3:30 p.m. UTC.