

**IEEE SA Standards Board (SASB) Meeting Minutes
03 December 2022
Piscataway, NJ, USA and Teleconference/Webex
8:30 a.m. – 5:00 p.m. ET (UTC-5)**

Attendees

Chair:

David Law

Vice Chair:

Ted Burse

Past Chair:

Gary Hoffman

Secretary:

Konstantinos Karachalios

Members:

Edward Addy [TAB Rep.]

Travis Griffith

Guido Hiertz

Yousef Kimiagar

Thomas Koshy

John Kulick

Johnny Lin

Kevin Lu

Daleep Mohla

Andrew Myles

Damir Novosel

Annette Reilly

Robby Robson

Jon Rosdahl

Mark Siira

Dorothy Stanley

Lei Wang

Keith Waters

Karl Weber

Philip Winston

Members Absent:

Ramy Fathy
Sha Wei
Daidi Zhong

Joe Koepfinger, Member Emeritus

IEEE Staff:

Christy Bahn
Jennifer Biolsi
Hermann Brand
Kim Breitfelder
Matthew Ceglia
Sri Chandrasekaran
Karen Evangelista
Jonathan Goldberg
Lloyd Green
Jodi Haasz
Yvette Ho Sang
Ron Hotchkiss
Patrycja Jarosz
Soo Kim
Michael Kipness
Vanessa Lalitte
Juanita Lewis
Jiajia Liu
Kelly Lorne
Karen McCabe
Erin Morales
Mary Lynne Nielsen
Christian Orlando
Moirra Patterson
Shana Pepin
Lisa Perry
Dave Ringle, Recording Secretary
Heather Robinson
Pat Roder
Jennifer Santulli
Rudi Schubert
Tom Thompson
Lisa Weisser

Malia Zaman
Meng Zhao

IEEE Outside Legal Counsel:

Michael Lindsay – Dorsey & Whitney LLP
Claire Topp – Dorsey & Whitney LLP

Guests:

Miguel Aranda Gomez
Michael Atlass
Sara Biyabani
Alfred Chen
Allen Chen
Evelyn Chen
Daisy Chepkwony
John D’Ambrosia
Doug Edwards
Mathews George
Latonia Gordon
Victor Huang
Rich Hulett
Sengmeng Koo
Hung Ling
Xiaohui Liu
Hiroshi Mano
Jim Matthews
Paul Nikolich
Kyeong Hee Oh
Monica Okoth
Glenn Parsons
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 December 2022 folder.]

1 Call to Order

SASB Chair David Law called the meeting to order at 8:35 a.m. ET (UTC-5).

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](#)

The following item was removed from the Consent Agenda and added to the agenda as item 10.3:

10.3 P802.11az

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

3.2 Consent Agenda

3.2.1 Approval of 21 September 2022 SASB Meeting [Minutes](#)

3.2.2 AudCom Recommendations

Standards Committee P&Ps

Accepted (*standards work authorized*):

COM/PLC	Communications Society/Power Line Communications
C/CPSC	Computer Society/Cybersecurity and Privacy Standards Committee
C/DA	Computer Society/Design Automation
PE/ESSB	Power and Energy Society/Energy Storage & Stationary Battery Committee

PE/PSCC	Power and Energy Society/Power System Communications and Cybersecurity
PE/SBLC	Power and Energy Society/Smart Buildings, Loads and Customer Systems
SASB/SCC14	SASB Coordinating Committees/SCC14 – Quantities, Units, and Letter Symbols

Note: This Standards Committee name is being updated to Quantities, Units and Symbols

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

Note: This Standards Committee name is being updated to Distributed Generation, Energy Storage and Interoperability Standards Committee

Conditionally Accepted (*standards work authorized*):

BOG/SESCom	Board of Governors/Strategic and Emerging Standards Committee
------------	---

[Contingent upon one minor editorial correction, to be completed by staff.]

Note: This condition has been met.

Expiring Standards Committee P&Ps:

Motion: Recommend that the SASB takes an action to suspend work from AES/UAS/UAV, whose Standards Committee P&Ps expire on 31 December 2022 if the Standards Committee has not submitted its updated P&Ps to AudCom by 31 December 2022.

3.2.3 NesCom Recommendations

Withdrawal Requests:

IEEE Consumer Technology Society/Blockchain Standards Committee

P2140.3

Standard for User Identification and Anti-Money Laundering on Cryptocurrency Exchanges

Recommendation: Approve PAR withdrawal

P2143.2

Standard for Cryptocurrency Payment Performance Metrics

Recommendation: Approve PAR withdrawal

P2143.3

Standard for Risk Control Requirements for Cryptocurrency Payment

Recommendation: Approve PAR withdrawal

IEEE Power and Energy Society/Surge Protective Devices Committee

PC62.22

Guide for the Application of Metal-Oxide Surge Arresters for Alternating-Current Systems

Recommendation: Approve PAR withdrawal

IEEE Power and Energy Society/Transmission and Distribution

P519.1

Guide for Applying Harmonic Limits on Power Systems

Recommendation: Approve PAR withdrawal

Modified PARs:

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

P1913

YANG Model for Software-Defined Quantum Communication

Recommendation: Approve modified PAR

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

P802.3df

Standard for Ethernet

Amendment: Media Access Control Parameters for 800 Gb/s and Physical Layers and Management Parameters for 400 Gb/s and 800 Gb/s Operation

Recommendation: Approve modified PAR

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2418.6

Standard for a Framework for Web3 in Decentralized Trusted Work Flows in Healthcare and Life Sciences

Recommendation: Defer modified PAR until the next NesCom meeting to give the Working Group time to add clarity to the PAR

P2794

Reporting Standards for in Vivo Neural Interface Research

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Switchgear

PC37.68

Standard Design, Test, and Application Requirements for Microprocessor-Based Controls of Distribution Padmount, Dry Vault, Wet Vault, and Polemount Switchgear Rated above 1 kV and up to and including 38 kV

Recommendation: Approve modified PAR

Extension Requests:

IEEE Communications Society/Green ICT Standards Committee

P1922.1

Standard for a Method for Calculating Anticipated Emissions Caused by Virtual Machine Migration and Placement

Recommendation: Approve request for an extension until December 2024

P1925.1

Standard for Energy Efficient Dynamic Line Rate Transmission System

Recommendation: Approve request for an extension until December 2024

P1926.1

Standard for a Functional Architecture of Distributed Energy Efficient Big Data Processing

Recommendation: Approve request for an extension until December 2024

P1927.1

Standard for Services Provided by the Energy-Efficient Orchestration and Management of Virtualized Distributed Data Centers Interconnected by a Virtualized Network

Recommendation: Approve request for an extension until December 2024

P1928.1

Standard for a Mechanism for Energy Efficient Virtual Machine Placement

Recommendation: Approve request for an extension until December 2024

P1929.1

An Architectural Framework for Energy Efficient Content Distribution

Recommendation: Approve request for an extension until December 2024

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

P1913

Software-Defined Quantum Communication

Recommendation: Approve request for an extension until December 2024

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

P1730.2

Recommended Practice for Verification, Validation and Accreditation of a Distributed Simulation – an Overlay to the Distributed Simulation Engineering and Execution Process

Recommendation: Approve request for an extension until December 2023

IEEE Consumer Technology Society/Emerging Technology Standards Committee

P2785

Standard for Architectural Framework and General Requirements for Smart Home Systems

Recommendation: Approve request for an extension until December 2023

P2786

Standard for General Requirements and Interoperability for Internet of Clothing

Recommendation: Approve request for an extension until December 2023

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P473

Recommended Practice for an Electromagnetic Site Survey (10 kHz to 40 GHz)

Recommendation: Approve request for an extension until December 2023

P1897

Recommended Practice for the Resolution of Power-Line Gap-Noise Reports

Recommendation: Approve request for an extension until December 2024

P2715

Guide for the Characterization of the Shielding Effectiveness of Planar Materials

Recommendation: Approve request for an extension until December 2023

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

P11073-10101b

Health Informatics – Device Interoperability – Part 10101: Foundational – Nomenclature – Amendment 2: Additional definitions

Recommendation: Approve request for an extension until December 2023

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2418.6

Standard for the Framework of Distributed Ledger Technology (DLT) Use in Healthcare and the Life and Social Sciences

Recommendation: Approve request for an extension until December 2025

P2673

Standard for Patient Digital Biomedical Data Files with 3D Topological Mapping of Macroanatomy and Microanatomy for Use in Big Data and Augmented Intelligence Systems

Recommendation: Approve request for an extension until December 2024

P2727

Standard for General Vocabulary for Conformity Assessment of Medical Devices with Measuring Function

Recommendation: Approve request for an extension until December 2024

P2727.1

Standard for Conformity Assessment Testing of Cardiac Defibrillators for Legal Metrology Purposes

Recommendation: Approve request for an extension until December 2024

P2792

Therapeutic Electrical Stimulation Waveforms

Recommendation: Approve request for an extension until December 2024

P2794

Standard for Reporting of In Vivo Neural Interface Research

Recommendation: Approve request for an extension until December 2025

P2802

Standard for the Performance and Safety Evaluation of Artificial Intelligence Based Medical Device: Terminology

Recommendation: Approve request for an extension until December 2023

IEEE Industry Applications Society/Petroleum & Chemical Industry

P841.1

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 request for an extension until December 2024

IEEE Instrumentation and Measurement Society/TC10 – Waveform Generation Measurement and Analysis

P1241

Standard for Terminology and Test Methods for Analog-to-Digital Converters

Recommendation: Approve request for an extension until December 2023

P1658

Standard for Terminology and Test Methods of Digital-to-Analog Converter Devices

Recommendation: Approve request for an extension until December 2023

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

P61869-105

Recommended Practice for Uncertainty Evaluation in the Calibration of Instrument Transformers

Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Analytic Methods for Power Systems

P762

Standard Definitions for Use in Reporting Electric Generating Unit Reliability, Availability, and Productivity

Recommendation: Approve request for an extension until December 2023

**IEEE Power and Energy Society/Energy Development & Power
Generation**

P666

Design Guide for Electric Power Service Systems for Generating Stations

Recommendation: Approve request for an extension until December 2024

P2800.1

Guide for Test and Verification Procedures for Inverter-Based Resources Interconnecting with Associated Transmission Electric Power Systems

Recommendation: Approve request for an extension until December 2024

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

P1188

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

Recommendation: Approve request for an extension until December 2023

P1679.3

Guide for the Characterization and Evaluation of Flow Batteries in Stationary Applications

Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Insulated Conductors

P400.3

Guide for Partial Discharge Field Diagnostic Testing of Shielded Power Cable Systems

Recommendation: Approve request for an extension until December 2023

P1120

Guide for the Planning, Design, Installation, and Repair of Submarine Power Cable Systems

Recommendation: Approve request for an extension until December 2024

P1210

Standard Tests for Determining Compatibility of Cable-Pulling Lubricants with Wire and Cable

Recommendation: Approve request for an extension until December 2024

P1617

Guide for Assessment, Mitigation, and Control of Corrosion of Metallic Shields in Extruded Dielectric Cables rated 5 kV to 46 kV

Recommendation: Approve request for an extension until December 2023

P2412

Standard Test for Determining Circuit Integrity Performance of Fire Resistive Cable Systems in Passenger Rail and Road Tunnels

Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Nuclear Power Engineering

P845

Guide for the Evaluation of Human-System Performance in Nuclear Power Generating Stations and Other Nuclear Facilities

Recommendation: Approve request for an extension until December 2023

P62582-1

Nuclear Power Plants – Instrumentation and Control Important to Safety – Electrical Equipment Condition Monitoring Methods – Part 1: General

Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Power System Instrumentation and Measurements

P510

Guide for Electrical Safety in High-Voltage Testing

Recommendation: Approve request for an extension until December 2024

P1122

Standard for Digital Recorders for Measurements in High-Voltage and High-Current Impulse Tests

Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Power System Relaying and Control

P1613

Standard for Environmental and Testing Requirements for Devices with Communications Functions Used with Electric Power Apparatus

Recommendation: Approve request for an extension until December 2023

PC37.90

Standard for Relays, Relay Systems, and Control Devices Used for Protection and Control of Electric Power Apparatus – General Requirements and Tests

Recommendation: Approve request for an extension until December 2024

PC37.92

Standard for Low-Energy Analog Interfaces between Protective Relays and Power System Signal Sources

Recommendation: Approve request for an extension until December 2023

PC37.102

Guide for AC Generator Protection

Recommendation: Approve request for an extension until December 2024

PC37.249

Guide for Categorizing Security Needs for Protection, Automation, and Control Related Data Files

Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Smart Buildings, Loads and Customer Systems

P2418.5

Standard for Blockchain in Energy

Recommendation: Approve request for an extension until December 2023

P2783

Guide for the Application of Quick Response Systems of Customer-Side Loads in Modern Power Grids

Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Substations

P525

Guide for the Design and Installation of Cable Systems in Substations

Recommendation: Approve request for an extension until December 2024

P605

Guide for Bus Design in Air Insulated Substations

Recommendation: Approve request for an extension until December 2023

P837

Standard for Qualifying Permanent Connections Used in Substation Grounding

Recommendation: Approve request for an extension until December 2024

P1534

Recommended Practice for Specifying Thyristor-Controlled Series Capacitors

Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Surge Protective Devices Committee

PC62.21

Guide for the Application of Surge Voltage Protective Equipment on AC Rotating Machinery 1000 Volts and Greater

Recommendation: Approve request for an extension until December 2024

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

PC62.220

Guide for the Application of Surge Protective Devices for the Smart Grid

Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Switchgear

PC37.20.3

Standard for Metal-Enclosed Interrupter Switchgear Rated above 1 kV ac up to and including 48.3 kV ac

Recommendation: Approve request for an extension until December 2023

PC37.100.7

Guide for the Evaluation of Performance Characteristics of Non-Sulfur Hexafluoride Insulation and Arc Quenching Media for Switchgear Rated above 1000 V

Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Transformers

PC57.16

Standard for Requirements, Terminology, and Test Code for Dry-Type Air-Core Series-Connected Reactors

Recommendation: Approve request for an extension until December 2024

PC57.19.00

Standard General Requirements and Test Procedure for Power Apparatus Bushings

Recommendation: Approve request for an extension until December 2023

PC57.19.02

Standard for the Design and Performance Requirements of Bushings Applied to Liquid Immersed Distribution Transformers

Recommendation: Approve request for an extension until December 2024

PC57.32.10

Guide for the Selection of Neutral-Grounding Devices for High Voltage Direct Current (HVDC) Converter Transformers

Recommendation: Approve request for an extension until December 2024

PC57.98

Guide for Transformer Impulse Tests

Recommendation: Approve request for an extension until December 2024

PC57.160

Guide for the Electrical Measurement of Partial Discharges in High Voltage Bushings and Instrument Transformers

Recommendation: Approve request for an extension until December 2023

PC57.162

Guide for the Interpretation of Moisture Related Parameters in Liquid Immersed Transformers and Reactors

Recommendation: Approve request for an extension until December 2023

PC57.166

Guide for Acceptance and Maintenance of Insulating Liquids in Transformers and Related Equipment

Recommendation: Approve request for an extension until December 2024

PC57.167

Guide for Monitoring Distribution Transformers

Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Transmission and Distribution

P18

Standard for Shunt Power Capacitors

Recommendation: Approve request for an extension until December 2023

P957

Guide for Monitoring, Managing, and Cleaning of Contaminated Insulators

Recommendation: Approve request for an extension until December 2023

IEEE SA Board of Governors/Corporate Advisory Group

P1858

Standard for Camera Phone Image Quality (CPIQ)

Recommendation: Approve request for an extension until December 2023

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P2020

Standard for Automotive System Image Quality

Recommendation: Approve request for an extension until December 2024

New PARs:

IEEE Computer Society/Artificial Intelligence Standards Committee

P3338

Guide for Framework for Data Contribution Evaluation in Federated Machine Learning

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Blockchain and Distributed Ledgers

P3227

Standard for a Reference Framework of Data Security Circulation System Based on Blockchain and Federated Computation

Recommendation: Approve new PAR until December 2026

P3229

Guide for Industrial Software Application Based on Blockchain

Recommendation: Approve new PAR until December 2026

P3230

Standard for Blockchain Based Power System Demand Response Technical Specification

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Functional Safety Standards Committee

P3332

Standard for Control-Oriented System Safety Analysis

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/LAN/MAN Standards Committee

P802.3dj

Standard for Ethernet

Amendment: Media Access Control Parameters for 1.6 Tb/s and Physical Layers and Management Parameters for 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Operation

Recommendation: Approve new PAR until December 2026

P802.3dk

Standard for Ethernet

Amendment: Greater than 50 Gb/s Bidirectional Optical Access PHYs

Recommendation: Approve new PAR until December 2026

P802.11bk

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: 320 MHz Positioning

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Microprocessor Standards Committee

P3120.1

Standard for Quantum Simulator Architecture

Recommendation: Approve new PAR until December 2026

IEEE Computer Society/Standards Activities Board

P3330

Standard for Shape Expression Schemas

Recommendation: Approve new PAR until December 2026

IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee

P3809

Standard for Technical Specification of Blockchain-Based Electronic Bidding

Recommendation: Approve new PAR until December 2026

P3810

Standard for Framework of Energy Market Simulation

Recommendation: Approve new PAR until December 2026

P3812.1

Standard for General Requirements for Identity Framework for Metaverse

Recommendation: Approve new PAR until December 2026

P3812.2

Standard for Data Access Management for Identity Relationships

Recommendation: Approve new PAR until December 2026

P3813

Standard for General Framework and Technical Requirements for an Industrial Digital Asset Trading Platform

Recommendation: Approve new PAR until December 2026

P3814

Standard for Carbon Asset Trading Mechanism and Technical Requirements

Recommendation: Approve new PAR until December 2026

IEEE Engineering in Medicine and Biology Society/Standards Committee

P3337

Standard for Intelligent Power, Security, Connectivity (IPSC) for Wellness

Recommendation: Defer new PAR until the next NesCom meeting to provide time to update the PAR

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1580a

Recommended Practice for Marine Cable for Use on Shipboard and Fixed or Floating Facilities Amendment: Offshore Wind Electrical Substation Cables

Recommendation: Approve new PAR until December 2026

P1814

Guide for Electrical System Design Techniques to Enhance Electrical Safety – System Planning, Equipment, Protection

Recommendation: Approve new PAR until December 2026

IEEE Instrumentation and Measurement Society/TC9 – Sensor Technology

P3335

Standard for Architecture and Interfaces for Time Card

Recommendation: Approve new PAR until December 2026

IEEE Photonics Society/Standards Committee

P3324

Guide for Blue-Green Laser Communication System for Industrial Underwater Operations – Generic Specification

Recommendation: Approve new PAR until December 2026

P3325

Guide for General Requirement for Industrial UV Detection Equipment

Recommendation: Approve new PAR until December 2026

IEEE Power and Energy Society/Switchgear

PC37.100.8

Guide for Methodologies to Demonstrate the Expected Life of Lubricants Used in Switching Devices

Recommendation: Approve new PAR until December 2026

IEEE Power and Energy Society/Transmission and Distribution

P1806-2021/Cor 1

Guide for Reliability-Based Placement of Overhead and Underground Switching and Overcurrent Protection Equipment up to and including 38 kV – Corrigendum 1

Recommendation: Approve new PAR until December 2026

P3336

Guide for Vibration Tests for Aircraft Warning Marker Balls on Overhead Transmission Lines

Recommendation: Approve new PAR until December 2026

IEEE Robotics and Automation Society/Standing Committee for Standards

P7017

Recommended Practice for Design-Centered Human-Robot Interaction (HRI) and Governance

Recommendation: Approve new PAR until December 2026

IEEE SA Board of Governors/Corporate Advisory Group

P3303

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Compression and Understanding of Industrial Data (CUI)

Recommendation: Approve new PAR until December 2026

P3326

Recommended Practice for Use of Infrared Online System for Substation Inspection

Recommendation: Approve new PAR until December 2026

P3327

Recommended Practice for Use of an Unmanned Aerial Vehicle for Substation Inspection

Recommendation: Approve new PAR until December 2026

P3328

Recommended Practice for Use of Wheeled Robots for Substation Inspection

Recommendation: Approve new PAR until December 2026

IEEE Systems, Man, and Cybernetics Society/Standards Committee

P3334

Recommended Practice for Market-Based Electric Vehicle Grid Integration

Recommendation: Approve new PAR until December 2026

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.2.1-2022/Cor 1

Standard for Wireless Access in Vehicular Environments (WAVE) – Certificate Management Interfaces for End Entities – Corrigendum 1

Recommendation: Approve new PAR until December 2026

PARs for the Revision of Standards:

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

P1730.1

Recommended Practice for Distributed Simulation Engineering and Execution Process Multi-Architecture Overlay (DMAO)

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

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1068

Standard for the Repair and Rewinding of AC Electric Motors in the Petroleum, Chemical, and Process Industries

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

P1683

Guide for Motor Control Centers Rated up to and including 600 V AC or 1000 V DC with Recommendations Intended to Help Reduce Electrical Hazards

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

IEEE Power and Energy Society/Nuclear Power Engineering

P1786

Recommended Practice for Human Factors Applications of Computerized Operating Procedure Systems at Nuclear Power Generating Stations and Other Nuclear Facilities

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

P1819

Standard for Risk-Informed Categorization and Treatment of Electrical and Electronic Systems and Components at Nuclear Power Generating Stations and Other Nuclear Facilities

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

P1726

Guide for the Functional Specification of Fixed-Series Capacitor Banks for Transmission System Applications

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

PARs for Administrative Withdrawal:

P2247.1 (C/LT)

Standard for the Classification of Adaptive Instructional Systems

(New PAR)

P7919.1 (C/LT)

Requirements for eReaders to Support Learning Applications

(New PAR)

P1934.1 (COM/EdgeCloud-SC)

Nomenclature and Taxonomy for Distributing Computing, Communications and Networking along the Things-to-Cloud Continuum

(New PAR)

P3333.2.2 (EMB/Std Com)

Standard for Three-Dimensional (3D) Medical Visualization

(New PAR)

P3333.2.3 (EMB/Std Com)

Standard for Three-Dimensional (3D) Medical Data Management

(New PAR)

P3333.2.4 (EMB/Std Com)

Standard for Three-Dimensional (3D) Medical Simulation

(New PAR)

P3333.2.5.1 (EMB/Std Com)

Standard for Soft Tissue Modeling for Medical 3D Printing

(New PAR)

P3333.2.5.2 (EMB/Std Com)

Standard for Hard Tissue Modeling for 3D Printing

(New PAR)

P3333.2.5.3 (EMB/Std Com)

Standard for Surgical Guide Design Modeling for Medical 3D Printing

(New PAR)

P3333.2.5.4 (EMB/Std Com)

Standard for Artificial Joint Implant Design Modeling for Medical 3D Printing

(New PAR)

P3333.2.5.5 (EMB/Std Com)

Standard for In Vivo Evaluation of 3D Printed Polymeric Scaffolds in Bone Defects

(New PAR)

P1451.7 (IM/ST)

Smart Transducer Interface for Sensors and Actuators – Transducers to Radio Frequency Identification (RFID) Systems Communication Protocols and Transducer Electronic Data Sheets (TEDS) for Internet of Things

(Revision PAR)

P649 (PE/NPE)

Standard for Qualifying Class 1E Motor Control Centers for Nuclear Facilities

(Revision PAR)

P692 (PE/NPE)

Standard Criteria for Security Systems for Nuclear Power Generating Stations

(Revision PAR)

P61226 (PE/NPE)

Nuclear Power Plants – Instrumentation and Control Systems Important to Safety – Classification of Instrumentation and Control Functions

(New PAR)

P1711 (PE/PSCC)

Standard for a Cryptographic Protocol for Electric Power System (EPS) Communications Links

(Revision PAR)

P2418.4 (VT/ITS)

Standard for the Framework of Distributed Ledger Technology (DLT) Use in Connected and Autonomous Vehicles (CAVs)

(New PAR)

P2406 (VT/RTSC)

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

(New PAR)

3.2.4 RevCom Recommendations

New:

IEEE Communications Society/Mobile Communication Networks Standards Committee

P1920.1/Draft 10

IEEE Draft Trial-Use Standard for Aerial Ad Hoc Networks

Recommendation: APPROVE

IEEE Computer Society/Data Compression Standards Committee

P3161/Draft 3

IEEE Draft Standard for Digital Retina Systems

Recommendation: APPROVE

IEEE Computer Society/LAN/MAN Standards Committee

~~**P802.11az/Draft 7.0**~~

~~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—Amendment 4: Enhancements for positioning~~

~~**Recommendation:** APPROVE~~

This item was removed from the SASB Consent Agenda. It became item 10.3.

P802.11bd/Draft 8.0

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 Amendment 5: Enhancements for Next Generation V2X

Recommendation: APPROVE

IEEE Computer Society/Learning Technology

P1484.20.3/Draft 2

IEEE Draft Standard Data Model for Sharable Competency Definitions

Recommendation: APPROVE

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

P1730.2/Draft 2

IEEE Draft Recommended Practice for Verification, Validation, and Acceptance/Accreditation of a Distributed Simulation – An Overlay to the Distributed Simulation Engineering and Execution Process

Recommendation: APPROVE

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

P2716/Draft 2

IEEE Draft Guide for the Characterization of the Effectiveness of Printed Circuit Board Level Shielding

Recommendation: APPROVE

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

P11073-10429/Draft 5

IEEE Draft Standard for Health Informatics – Device Interoperability – Part 10429: Personal Health Device Communication – Device Specialization – Spirometry

Recommendation: APPROVE

P11073-10701/Draft 5

IEEE Draft Standard for Health Informatics – Device Interoperability – Part 10701: Point-of-Care Medical Device Communication – Metric Provisioning by Participants in a Service-Oriented Device Connectivity (SDC) System

Recommendation: APPROVE

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

P2802/Draft 2

IEEE Draft Standard for the Performance and Safety Evaluation of Artificial Intelligence Based Medical Device: Terminology

Recommendation: APPROVE

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

P2668/Draft 5

IEEE Draft Standard for Maturity Index of Internet-of-Things: Evaluation, Grading, and Ranking

Recommendation: APPROVE

IEEE Instrumentation and Measurement Society/TC9 – Sensor Technology

P1588g/Draft 1.3

IEEE Draft Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems Amendment: Master-Slave optional alternative terminology

Recommendation: APPROVE

IEEE SA Board of Governors/Corporate Advisory Group

P3300/Draft 3

IEEE Draft Standard – Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Multimodal Conversation Version 1.2

Recommendation: APPROVE

P3301/Draft 2

IEEE Draft Standard – Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Artificial Intelligence Framework (AIF) Version 1.1

Recommendation: APPROVE

P3302/Draft 3

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

Recommendation: APPROVE

Revision:

IEEE Power and Energy Society/Electric Machinery

P252/Draft 3

IEEE Draft Standard Test Procedure for Polyphase Induction Motors Having Liquid in the Magnetic Gap

Recommendation: APPROVE

IEEE Power and Energy Society/Energy Development & Power Generation

P1010/Draft 25

IEEE Draft Guide for Control of Hydroelectric Power Plants

Recommendation: APPROVE

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

P535/Draft 1.3

IEEE Draft Standard for Qualification of Class 1E Vented Lead Acid Storage Batteries for Nuclear Power Generating Stations

Recommendation: APPROVE

IEEE Power and Energy Society/Insulated Conductors

P400.3/Draft 9

IEEE Draft Guide for Partial Discharge Field Diagnostic Testing of Shielded Power Cable Systems

Recommendation: APPROVE

P1617/Draft 6

IEEE Draft Guide for Assessment, Mitigation, and Control of Corrosion of Metallic Shields in Extruded Dielectric Cables rated 5 kV to 46 kV

Recommendation: Conditional approval based on an email to the negative balloter being uploaded in the Submittal Details page.

That condition has been met.

IEEE Power and Energy Society/Nuclear Power Engineering

P338/Draft 8

IEEE Draft Standard for Criteria for the Periodic Surveillance Testing of Nuclear Power Generating Station Safety Systems

Recommendation: APPROVE

IEEE Power and Energy Society/Surge Protective Devices Committee

PC62.82.2/Draft 8

IEEE Draft Guide for the Application of Insulation Coordination

Recommendation: APPROVE

IEEE Power and Energy Society/Switchgear

PC37.11/Draft 2.1

IEEE Draft Standard for Electrical Control for AC High-Voltage (>1000 V)
Circuit Breakers

Recommendation: APPROVE

IEEE Power and Energy Society/Transformers

PC57.100/Draft 3.31

IEEE Draft Standard Test Procedure for the Thermal Evaluation of Insulation
Systems for Liquid-Immersed Distribution, Power and Regulating
Transformers

Recommendation: APPROVE

PC57.116/Draft 5

IEEE Draft Guide for Transformers Directly Connected to Generators

Recommendation: APPROVE

**IEEE Ultrasonics, Ferroelectrics and Frequency Control Society/IEEE
Ultrasonics, Ferroelectrics and Frequency Control**

P1193/Draft 34

IEEE Draft Guide for Measurement of Environmental Sensitivities of
Frequency Standards

Recommendation: APPROVE

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

P1609.2/Draft 13

IEEE Draft Standard for Wireless Access in Vehicular Environments –
Security Services for Applications and Management Messages

Recommendation: APPROVE

**IEEE-SASB Coordinating Committees/SCC39 – International
Committee on Electromagnetic Safety**

PC95.7/Draft 2022.1012

IEEE Draft Standard for Electromagnetic Energy Safety Programs, 0 Hz to 300 GHz

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.

It was noted that 2022 was the third-highest total for the number of new work items approved by NesCom/SASB in a year.

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](#))

Travis Griffith, RevCom Chair, reported.

It was noted that 2022 was the highest total for the number of standards approved by RevCom/SASB in a year.

5 Old Business

5.1 SCC P&Ps

Gary Hoffman introduced the topic, noting that there was an [SASB resolution](#) from December 2021 RE: transition of the former SCCs and that the S&SI

SMDC has an ad hoc led by Mehmet Ulema to assist the former SCCs during the transition.

There was a motion:

The SASB grants SCC20 and SCC39 an extension until the 29 June 2023 SASB meeting to obtain a recommendation from AudCom for acceptance of their Standards Committee P&Ps. If SASB approval is not obtained by the 29 June 2023 meeting, the standards activities of either or both SCC20 and SCC39 shall be suspended until their respective P&Ps are accepted by the SASB.

In the absence of objection, the motion was unanimously approved.

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.

There was a round of applause for Don Wright, who will be the IEEE Secretary in 2023.

6.3 IEEE SA Managing Director's [Report](#)

Konstantinos Karachalios, IEEE SA Managing Director, reported.

There was some concern expressed regarding the low percentage of Working Group Officers who had completed the mandatory training and the possibility that the time estimates for the courses may be inaccurate.

6.4 SASB Chair's [Report](#)

Chair Law reported.

7 New Business

None.

8 [Next Meeting](#)

The next SASB meeting will be scheduled for 30 March 2023 in Mexico City, Mexico.

9 SASB Resolutions

None.

The SASB entered Executive Session at 12:45 p.m. ET (UTC-5).

10 Executive Session Items

10.1 SASB Oversight Committee RE: a Specific Standards Committee

10.2 Standards Development Activities

10.3 P802.11az

Executive Session concluded at 4:55 p.m. ET (UTC-5).

Report Out:

The SASB approved P802.11az.

Ted Burse passed the gavel back to SASB Chair Law.

11 Adjournment

There being no further business, the meeting was adjourned at 5:00 p.m. ET (UTC-5).