

IEEE-SA Standards Board Meeting Minutes – December 2018

IEEE-SA Standards Board**Meeting Minutes****05 December 2018****IEEE Operations Center, Piscataway, New Jersey, USA****9:00 a.m. – 5:00 p.m.****Attendees****Chair:**

Jean-Philippe Faure

Vice Chair:

Gary Hoffman

Past Chair:

John Kulick

Secretary:

Konstantinos Karachalios

Members:

Ted Burse

Guido Hiertz

Chris Hunter

Thomas Koshy

Hung Ling

Xiaohui Liu

Kevin Lu

Daleep Mohla

Andrew Myles

Paul Nikolich

Annette Reilly

Robby Robson

Dorothy Stanley

Mehmet Ulema

Phil Wennblom

Philip Winston

Howard Wolfman

Jingyi Zhou

Members Absent:

Dong Liu

Joe Koepfinger, Member Emeritus

IEEE Staff:

Melissa Aranzamendez

Christina Boyce

Kim Breitfelder

Justin Caso

Matthew Ceglia

Donna Ceruto

Sri Chandrasekaran

Chirag Desai

Ravindra Desai

Susan England-Lutz

Karen Evangelista

Josh Gay

Patrick Gibbons

Jonathan Goldberg

Lloyd Green

Jodi Haasz

Mary Ellen Hanntz

Yvette Ho Sang

Karen Kenney

Soo Kim

Michael Kipness

Chris Krysa

Victoria Kuperman-Super

Juanita Lewis

Kelly Lorne

Daniella Martinez

Karen McCabe

Ellin Menlow

Allison Moy

Adam Newman

Mary Lynne Nielsen

Tania Olabi-Colon

Nicholas Orlando

Jeff Pane

Maira Patterson

Lisa Perry

Dave Ringle, Recording Secretary

Pat Roder

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Linda Rutledge
Ana Sainvilus
Jennifer Santulli
Rudi Schubert
Sam Sciacca
Alpesh Shah
Erin Spiewak
Tanya Steinhauser
Ravi Subramaniam
Tom Thompson
Cherry Tom
Michelle Turner
Lisa Weisser
Malia Zaman
Meng Zhao

IEEE Outside Legal Counsel:

Claire Topp – Dorsey & Whitney LLP

IEEE Government Engagement Program on Standards (GEPS) Representatives:

Michael Janezic, U.S. NIST

Guests:

Chuck Adams
Afua Akyaa
Evelyn Chen
Doug Edwards
Travis Griffith
Victor Huang
David Law
Joseph Levy
Grace Li
Meghna Mudgal
Patrick Murphy
Gil Ohana
Kishik Park
Jon Rosdahl
Matteo Sabbattini
Serafin San Juan Vera
Nadine Umutoni
Constance Weise
Don Wright
Yu Yuan

Chair Faure called the meeting to order at 9:00 a.m. There was a round of introductions from all present.

2 [Agenda](#)

2.1 Approval of Agenda

Andrew Myles requested that an item be added to the agenda:

8.2 *Principles of Meeting Minutes*

There was a motion to approve the amended agenda. The motion was unanimously approved.

2.2 Consent Agenda

2.2.1 Approval of 27 September 2018 SASB Meeting [Minutes](#)

2.2.2 AudCom Recommendations

Accepted (standards work authorized):

- C/SAB Computer Society/Standards Activities Board
- CES/SC Consumer Electronics Society/Standards Committee
- PE/EM Power and Energy Society/Electric Machinery

2.2.3 ICom Recommendations

New Industry Connections Activities:

IC18-005-01 African Standardization Strategy and Roadmap for the 4th Industrial Revolution

ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAPcstAAAAEsiFew>

Recommendation: APPROVE

Revised/Renewed Industry Connections Activities:

IC15-005-03 802.3 New Ethernet Applications

ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAPZLhAAAAHJHiWs>

Recommendation: APPROVE

IEEE-SA Industry Connections Committee Operations Manual proposed addition:

11.4 Dominance

Industry Connections activities shall not be dominated by any individual(s) or organization(s).

Dominance is normally defined as the exercise of authority, leadership, or influence by reason of superior leverage, strength, or representation to the exclusion of fair and equitable consideration of other viewpoints. Dominance can also be defined as the exercise of authority, leadership, or influence by reason of sufficient leverage, strength, or representation to hinder the progress of any IEEE-SA activities. Such dominance is contrary to open and fair participation by all interested parties and is unacceptable.

Recommendation: APPROVE

2.2.4 NesCom Recommendations

Withdrawal Requests:

IEEE Computer Society/Learning Technology

P1484.11.3

Standard for Learning Technology Extensible Markup Language (XML) Schema Binding for Data Model for Content Object Communication

Recommendation: Approve PAR withdrawal

IEEE Communications Society/Mobile Communication Networks Standards Committee

P1933.1

Hybrid Automatic Repeat reQuest for High Throughput Applications

Recommendation: Approve PAR withdrawal

IEEE Instrumentation and Measurement Society/TC9 – Sensor Technology

P1451.4a

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

Recommendation: Approve PAR withdrawal

Modified PARs:

IEEE Computer Society/LAN/MAN Standards Committee

P802.3ca

Standard for Ethernet

Amendment: Physical Layer Specifications and Management Parameters for 25 Gb/s and 50 Gb/s Passive Optical Networks

Recommendation: Approve modified PAR

IEEE Communications Society/Access and Core Networks Standards Committee

P1904.2

Standard for Universal Management Tunnel for Ethernet-based Subscriber Access Networks

Recommendation: Approve modified PAR

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 modified PAR

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P1711

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

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Power System Relaying and Control

PC37.92

Standard for Analog Inputs to Protective Relays from Electronic Voltage and Current Transducers

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Transmission and Distribution

P1806

Guide for Reliability Based Placement of Overhead and Underground Switching and Overcurrent Protection Equipment Up to and Including 38 kV

Recommendation: Approve modified PAR

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.12

Standard for Wireless Access in Vehicular Environments (WAVE) – Identifiers

Recommendation: Approve modified PAR

Extension Requests:

IEEE Computer Society/LAN/MAN Standards Committee

P802.3ca

Standard for Ethernet

Amendment: Physical Layer Specifications and Management Parameters for 25 Gb/s, 50 Gb/s, and 100 Gb/s Passive Optical Networks

Recommendation: Approve request for an extension until December 2020

P802.22

Standard for Information Technology – Local and Metropolitan Area Networks – Specific Requirements – Part 22: Cognitive Radio Wireless Regional Area Networks (WRAN) Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Policies and Procedures for Operation in the Bands that Allow Spectrum Sharing where the Communications Devices may Opportunistically Operate in the Spectrum of the Primary Service

Recommendation: Approve request for an extension until December 2019

P802.22.3

Standard for Spectrum Characterization and Occupancy Sensing

Recommendation: Approve request for an extension until December 2019

IEEE Computer Society/Software & Systems Engineering Standards Committee

P982.1

Standard for Measures of the Software Aspects of Dependability

Recommendation: Approve request for an extension until December 2020

IEEE Computer Society/Test Technology

P1838

Standard for Test Access Architecture for Three-Dimensional Stacked Integrated Circuits

Recommendation: Approve request for an extension until December 2019

IEEE Communications Society/Access and Core Networks Standards Committee

P1904.2

Standard for Management Channel for Customer-Premises Equipment Connected to Ethernet-based Subscriber Access Networks

Recommendation: Approve request for an extension until December 2020

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

P11073-10101

Standard for ISO/11073-10101:2004, Health Informatics – Point-of-Care Medical Device Communication – Nomenclature

Recommendation: Approve request for an extension until December 2019

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P1302

Guide for the Electromagnetic Characterization of Conductive Gaskets in the Frequency Range of DC to 40 GHz

Recommendation: Approve request for an extension until December 2019

IEEE Industry Applications Society/Technical Books Coordinating Committee

P3002.7

Recommended Practice for Conducting Motor-Starting Studies in Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2019

P3004.3

Recommended Practice for the Application of Low-Voltage Fuses in Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2019

P3004.7

Recommended Practice for the Protection of Conductors Used in Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2019

P3004.11

Recommended Practice for Bus and Switchgear Protection in Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2019

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 2020

IEEE Power and Energy Society/Energy Development & Power Generation

P1010

Guide for Control of Hydroelectric Power Plants

Recommendation: Approve request for an extension until December 2020

P1147

Guide for the Rehabilitation of Hydroelectric Power Plants

Recommendation: Approve request for an extension until December 2020

P1248

Guide for the Commissioning of Electrical Systems in Hydroelectric Power Plants

Recommendation: Approve request for an extension until December 2019

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

P1491

Recommended Practice for Battery Monitoring in Stationary Applications

Recommendation: Approve request for an extension until December 2021

IEEE Power and Energy Society/Insulated Conductors

P1406

Guide for the Use of Gas-in-Fluid Analysis for Paper and Laminated Paper-Polypropylene Insulated Cable Systems

Recommendation: Approve request for an extension until December 2019

P1407

Guide for Accelerated Aging Tests for 5 kV to 46 kV Extruded Electric Power Cables Using Water-Filled Tanks

Recommendation: Approve request for an extension until December 2020

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P1711

Standard for a Cryptographic Protocol for EPS Serial Links

Recommendation: Approve request for an extension until December 2020

P1711.2

Standard for Secure SCADA Communications Protocol (SSCP)

Recommendation: Approve request for an extension until December 2020

IEEE Power and Energy Society/Power System Relaying and Control

PC37.91

Guide for Protecting Power Transformers

Recommendation: Approve request for an extension until December 2019

PC37.230

Guide for Protective Relay Applications to Distribution Lines

Recommendation: Approve request for an extension until December 2019

PC37.247

Standard for Phasor Data Concentrators for Power Systems

Recommendation: Approve request for an extension until December 2019

PC37.249

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

Recommendation: Approve request for an extension until December 2020

PC37.250

Guide for Engineering, Implementation, and Management of System Integrity Protection Schemes

Recommendation: Approve request for an extension until December 2020

IEEE Power and Energy Society/Substations

P1615

Recommended Practice for Network Communication in Electric Power Substations

Recommendation: Approve request for an extension until December 2019

PC37.2

Standard Electrical Power System Device Function Numbers, Acronyms, and Contact Designations

Recommendation: Approve request for an extension until December 2020

IEEE Power and Energy Society/Switchgear

PC37.20.9

Metal Enclosed Switchgear Rated 1 kV to 52 kV Incorporating Gas Insulation Systems

Recommendation: Approve request for an extension until December 2019

PC37.66

Standard Requirements for Capacitor Switches for AC Systems (1 kV to 38 kV)

Recommendation: Approve request for an extension until December 2020

IEEE Power and Energy Society/Transmission and Distribution

P516

Guide for Maintenance Methods on Energized Power Lines

Recommendation: Approve request for an extension until December 2020

P563

Guide on Conductor Self-Damping Measurements

Recommendation: Approve request for an extension until December 2019

P664

Guide for Laboratory Measurement of the Power Dissipation Characteristics of Aeolian Vibration Dampers for Single Conductors

Recommendation: Approve request for an extension until December 2019

P751

Guide for Wood Structures Used for Overhead Electric Transmission Lines

Recommendation: Approve request for an extension until December 2019

P1036

Guide for the Application of Shunt Power Capacitors

Recommendation: Approve request for an extension until December 2019

P1071

Application Guide for an Engineered Restoration Program for Failed Transmission Structures

Recommendation: Approve request for an extension until December 2019

P1806

Guide for Reliability Based Placement of Overhead and Underground Switching and Overcurrent Protection Equipment Up to and Including 38 kV

Recommendation: Approve request for an extension until December 2020

P1882

Guide for Establishing, Benchmarking, and Maintaining a Working Program for Energized Transmission Lines

Recommendation: Approve request for an extension until December 2019

IEEE Power and Energy Society/Transformers

P1276

Guide for the Application of High-Temperature Insulation Materials in Liquid-Immersed Distribution, Power and Regulating Transformers

Recommendation: Approve request for an extension until December 2020

P60214-2

Tap-Changers – Part 2: Application Guide

Recommendation: Approve request for an extension until December 2019

PC57.12.23

Standard for Submersible Single-Phase Transformers: 250 kVA and Smaller; High Voltage 34 500GrdY/19 920V and Below; Low Voltage 600 V and Below

Recommendation: Approve request for an extension until December 2019

PC57.12.51

Guide for Mechanical Interchangeability of Ventilated Dry Type Transformers

Recommendation: Approve request for an extension until December 2020

PC57.21

Standard Requirements, Terminology, and Test Code for Shunt Reactors Rated Over 500 kVA

Recommendation: Approve request for an extension until December 2020

IEEE Power Electronics Society/Standards Committee

P389

Recommended Practice for Testing Transformers and Inductors for Electronics Applications

Recommendation: Approve request for an extension until December 2020

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

P2030.2.1

Guide for Design, Operation, and Maintenance of Battery Energy Storage Systems, both Stationary and Mobile, and Applications Integrated with Electric Power Systems

Recommendation: Approve request for an extension until December 2019

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

PC95.3

Recommended Practice for Measurements and Computations of Electric, Magnetic and Electromagnetic Fields with Respect to Human Exposure to Such Fields, 0 Hz – 300 GHz

Recommendation: Approve request for an extension until December 2019

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P1791

Recommended Practice for Terminology Used for Direct Current Electric Transit Overhead Contact Systems

Recommendation: Approve request for an extension until December 2019

P2406

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

Recommendation: Approve request for an extension until December 2020

New PARs:

IEEE-SA Board of Governors/Corporate Advisory Group

P2418.7

Standard for the Use of Blockchain in Supply Chain Finance

Recommendation: Approve new PAR until December 2022

IEEE Computer Society/LAN/MAN Standards Committee

P802.3cp

Standard for Ethernet

Amendment: Bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s Optical Access PHYs

Recommendation: Approve new PAR until December 2022

P802.3cs

Standard for Ethernet

Amendment: Physical Layers and Management Parameters for Increased-reach Point-to-multipoint Ethernet Optical Subscriber Access (Super-PON)

Recommendation: Approve new PAR until December 2022

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 new PAR until December 2022

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 new PAR until December 2022

P802.19.3

Recommended Practice for Local and Metropolitan Area Networks – Part 19: Coexistence Methods for 802.11 and 802.15.4 based Systems Operating in the Sub-1 GHz Frequency Bands

Recommendation: Approve new PAR until December 2022

IEEE Computer Society/Learning Technology

P3652.1

Guide for Architectural Framework and Application of Federated Machine Learning

Recommendation: Approve new PAR until December 2022

IEEE Consumer Electronics Society/Standards Committee

P2140.1

Standard for General Requirements for Cryptocurrency Exchanges

Recommendation: Approve new PAR until December 2022

IEEE Communications Society/Access and Core Networks Standards Committee

P1936.1

Standard for Drone Applications Framework

Recommendation: Approve new PAR until December 2022

P1937.1

Standard Interface Requirements and Performance Characteristics for Payload Devices in Drones

Recommendation: Approve new PAR until December 2022

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

P1934.1

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

Recommendation: Approve new PAR until December 2022

IEEE Communications Society/Mobile Communication Networks Standards Committee

P1914.3a

Standard for Radio Over Ethernet Encapsulations and Mappings

Amendment 1: Encapsulation Enhancements and Elaborations, Additional Operation, Administration, and Maintenance (OAM) Functions, Management Model, Clarification on Relationships between Parameters

Recommendation: Approve new PAR until December 2022

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2801

Recommended Practice for the Quality Management of Datasets for Medical Artificial Intelligence

Recommendation: Approve new PAR until December 2022

P2802

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

Recommendation: Approve new PAR until December 2022

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

P1679.3

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

Recommendation: Approve new PAR until December 2022

IEEE Power and Energy Society/Transmission and Distribution

P2747

Guide for Energy Efficiency Technology Evaluation of Electric Power Fittings

Recommendation: Approve new PAR until December 2022

P2797

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

Recommendation: Approve new PAR until December 2022

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

P62704-1a

IEC/IEEE International Standard for Determining the Peak Spatial Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz – 6 GHz Part 1: General Requirements for Using the Finite Difference Time Domain (FDTD) Method for SAR Calculations

Amendment 1 Extension of the SAR Spatial Averaging Algorithm for Equivalence to the Procedure Defined in the IEEE 1528 and IEC 62209-1 Standards

Recommendation: Approve new PAR until December 2022

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.4-2016/Cor 1

Standard for Wireless Access in Vehicular Environments (WAVE) – Multi-Channel Operation

Corrigendum 1: Miscellaneous corrections

Recommendation: Approve new PAR until December 2022

PARs for the Revision of Standards:

IEEE Computer Society/Design Automation

P1801

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

Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Computer Society/Software & Systems Engineering Standards Committee

P26514

Systems and Software Engineering – Design and Development of Information for Users

Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1584.1

Guide for the Specification of Scope and Deliverable Requirements for an Arc-Flash Hazard Calculation Study in Accordance with IEEE Std 1584

Recommendation: Approve PAR for the revision of a standard until December 2022

P62395

Electrical Resistance Trace Heating for Industrial and Commercial Applications

Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P1591.1

Standard for Testing and Performance of Hardware for Optical Ground Wire (OPGW)

Recommendation: Approve PAR for the revision of a standard until December 2022

IEEE Power and Energy Society/Power System Relaying and Control

PC37.90

Standard for Relays and Relay Systems Associated with Electric Power Apparatus

Recommendation: Approve PAR for the revision of a standard until December 2022

Sponsor Change Request:

P2030.4

Current Sponsor: C/S2ESC; New Sponsor: SASB/SCC21

PARs for Administrative Withdrawal:

P802.15.4r (C/LM)

Standard for Local and Metropolitan Area Networks – Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs) Amendment for Radio Based Distance Measurement Techniques

(New PAR)

P1363.3-2013/Cor 1 (C/MSA)

Standard for Identity-Based Cryptographic Techniques Using Pairings – Corrigendum 1: Corrections to Citations

(New PAR)

P2409 (C/SAB)

Trial Use Recommended Practice for Design Process Documentation Template (DPDT)

(New PAR)

P1680.6 (C/SAB)

Standard for Environmental Assessment of Complex Set Top Boxes

(New PAR)

P1911.3 (COM/Access-Core-SC)

Standard for HDBaseT 5Play

(New PAR)

P11073-20101 (EMB/11073)

Standard for ISO/11073-20101:2004, Health Informatics – Point-of-Care Medical Device Communication – Application Profile – Base Standard

(Revision PAR)

P3004.4 (IAS/ICPS TBCC)

Recommended Practice for the Application of Medium- and High-Voltage Fuses in Industrial and Commercial Power Systems

(New PAR)

P1719 (PE/EM)

Guide for Evaluating Stator Cores of AC Electric Machines Rated 1 MVA and Higher

(New PAR)

P1189 (PE/ESSB) Guide for Selection of Batteries for Standby Applications

(Revision PAR)

P1879 (PE/IC)

Trial-Use Guide for Extending the Life of Power Cables in the Field

(New PAR)

P1613-2009/Cor 1 (PE/SUB)

Standard Environmental and Testing Requirements for Communications Networking Devices Installed in Electric Power Substations – Corrigendum 1: Corrected definition of "communications port"

(New PAR)

P1032 (PE/SUB)

Guide for Protecting Transmission Static Var Compensators

(New PAR)

P1613.1 (PE/SUB)

Standard Environmental and Electromagnetic Compatibility (EMC) Testing Requirements for Intelligent Electronic Devices (IEDs) Installed in Transmission and Distribution Facilities

(Revision PAR)

PC135.100 (PE/T&D)

Standard for Line Hardware for Overhead Line Construction

(New PAR)

2.2.5 RevCom Recommendations

NEW

P45.4/Draft 2.1 (IAS/PCI) IEEE Draft Recommended Practice for Electrical Installations on Shipboard – Marine Sectors and Mission Systems

Recommendation: APPROVE

P802.3cd/Draft 3.5 (C/LM) IEEE Draft Standard for Ethernet Amendment: Media Access Control Parameters for 50 Gb/s and Physical Layers and Management Parameters for 50 Gb/s, 100 Gb/s, and 200 Gb/s Operation

Recommendation: APPROVE

P1052/Draft D8 (PE/SUB) IEEE Draft Guide for the Functional Specifications for Transmission Static Synchronous Compensator (STATCOM) Systems

Recommendation: APPROVE

P1857.6/Draft 4 (C/SAB) IEEE Draft Standard for Digital Media Content Description

Recommendation: APPROVE

P1857.7/Draft 3 (C/SAB) IEEE Draft Standard for Adaptive Streaming

Recommendation: APPROVE

P1889/Draft 7.5 (PE/PSIM) IEEE Draft Guide for Evaluating and Testing the Electrical Performance of Energy Saving Devices

Recommendation: APPROVE

P2445/Draft 2 (PE/T&D) IEEE/NACE Draft Standard Practice – Inspection and Assessment of Below Grade and Groundline Corrosion on Weathering Steel on Electrical Transmission and Distribution Structures

Recommendation: APPROVE

P2655/Draft 2 (PE/T&D) Atmospheric Above Grade Inspection and Assessment of Corrosion on Steel Electrical Transmission, Distribution, and Substation Structures

Recommendation: APPROVE

P3002.7/Draft D13 (IAS/ICPS TBCC) IEEE Draft Recommended Practice for Conducting Motor-Starting Studies in Industrial and Commercial Power Systems

Recommendation: APPROVE

PC37.237/Draft 1.03 (PE/PSRCC) IEEE Draft Standard Requirements for Time Tags Created by Intelligent Electronic Devices – COMTAG

Recommendation: APPROVE

PC57.13.7/Draft 9 (PE/TR) IEEE Draft Standard for Current Transformers with a Maximum mA Secondary Current of 250 mA

Recommendation: APPROVE

PC62.35-2010/Cor 1/Draft 1 (PE/SPDLV) IEEE Draft Standard Test Methods for Avalanche Junction Semiconductor Surge-Protective Device Components – Corrigendum 1

Recommendation: APPROVE

PC62.42.6/Draft 3 (PE/SPDLV) IEEE Draft Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports – Part 6 High Frequency Signal Isolation Transformers

Recommendation: APPROVE

REVISION

P400.1/Draft D17 (PE/IC) IEEE Draft Guide for Field Testing of Laminated Dielectric, Shielded AC Power Cable Systems Rated 5 kV to 500 kV Using High Voltage Direct Current (HVDC)

Recommendation: APPROVE

P690/Draft 7 (PE/NPE) IEEE Draft Standard for the Design and Installation of Cable Systems for Class 1E Circuits in Nuclear Power Generating Stations

Recommendation: APPROVE

P776/Draft 10 (PE/PSCC) IEEE Draft Recommended Practice for Inductive Coordination of Electric Supply and Communication Lines

Recommendation: APPROVE

P802.15.7/Draft D3a (C/LM) IEEE Draft Standard for Local and Metropolitan Area Networks – Part 15.7: Short-Range Optical Wireless Communications

Recommendation: APPROVE

P859/Draft 2 (PE/AMPS) IEEE Draft Standard Terms for Reporting and Analyzing Outage Occurrences and Outage States of Electrical Transmission Facilities

Recommendation: APPROVE

P1137/Draft 8 (PE/PSCC) IEEE Draft Recommended Practice for the Implementation of Inductive Coordination Mitigation Techniques and Application

Recommendation: APPROVE

P1267/Draft D3 (PE/SUB) IEEE Draft Guide for Development of Specification for Turnkey Substation Projects

Recommendation: Defer

Defer P1267 with the recommendation to conduct a recirculation.

P1542/Draft 9 (PE/T&D) IEEE Draft Guide for Installation, Maintenance, and Operation of Irrigation Equipment Located Near or Under Power Lines

Recommendation: APPROVE

P11073-10201/Draft D2.1.10 (EMB/11073) IEEE Draft Standard for Health Informatics – Point-of-Care Medical Device Communication – Domain Information Model

Recommendation: APPROVE

P24748-2/Draft P24748-2_D3_FDIS (C/S2ESC) ISO/IEC/IEEE Draft International Standard – Systems and Software Engineering – Life Cycle Management – Part 2: Guidelines for the Application of ISO/IEC/IEEE 15288 (System Life Cycle Processes)

Recommendation: APPROVE

P26511/Draft d3 (C/S2ESC) ISO/IEC/IEEE Draft Standard – Systems and Software Engineering – Requirements for Managers of Information for Users of Systems, Software, and Services

Recommendation: APPROVE

P26515/Draft D2 (C/S2ESC) ISO/IEC/IEEE Draft International Standard – Systems and Software Engineering – Developing Information for Users in an Agile Environment

Recommendation: APPROVE

PC37.04/Draft 6.1 (PE/SWG) IEEE Draft Standard for Ratings and Requirements for AC High Voltage Circuit Breakers with Rated Maximum Voltage above 1000 V

Recommendation: APPROVE

PC37.09/Draft 5.0 (PE/SWG) IEEE Draft Standard Test Procedures for AC High-Voltage Circuit Breakers with Rated Maximum Voltage above 1000 V

Recommendation: APPROVE

PC37.10.1/Draft 5BA (PE/SWG) IEEE Draft Guide for the Selection of Monitoring for Circuit Breakers

Recommendation: APPROVE

PC37.12/Draft 5.4 (PE/SWG) IEEE Draft Guide for Specifications of High-Voltage Circuit Breakers (Over 1000 Volts)

Recommendation: APPROVE

PC37.12.1/Draft 7 (PE/SWG) IEEE Draft Recommended Practice for Instruction Manual Content of High-Voltage Circuit Breakers (Over 1000 Volts)

Recommendation: APPROVE

PC37.016/Draft 9.0 (PE/SWG) IEEE Draft Standard for AC High Voltage Circuit Switchers rated 15.5 kV through 245 kV

Recommendation: APPROVE

PC37.60/Draft 9 (PE/SWG) IEC/IEEE Draft International Standard – High-voltage Switchgear and Controlgear – Part 111: Automatic Circuit Reclosers for Alternating Current Systems Up to and Including 38 kV

Recommendation: APPROVE

PC37.100.1/Draft 2 (PE/SWG) Standard of Common Requirements for High Voltage Power Switchgear Rated Above 1000 V

Recommendation: APPROVE

PC37.112/Draft 3 (PE/PSRCC) IEEE Draft Standard Inverse-Time Characteristic Equations for Overcurrent Relays

Recommendation: APPROVE

PC57.12.23/Draft D8 (PE/TR) IEEE Draft Standard for Submersible Single-Phase Transformers: 250 kVA and Smaller; High Voltage 34 500GrdY/19 920V and Below; Low Voltage 600 V and Below

Recommendation: APPROVE

3 SASB Resolution for Ron Petersen

Chair Faure thanked Mary Lynne Nielsen and Dave Ringle for preparing the resolution text.

Gary Hoffman read the resolution.

Whereas Ron Petersen served on the IEEE Standards Association Standards Board (SASB) for many years;

And whereas Ron served on multiple committees of the SASB for many years, including 16 consecutive years on the SASB Audit Committee (AudCom);

And whereas Ron served as chair of multiple committees of the SASB;

And whereas Ron was a member of the IEEE Standards Association (IEEE-SA) and an IEEE Life Fellow;

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And whereas Ron was a member and served in leadership positions in multiple IEEE Societies, IEEE Standards Coordinating Committees, IEEE Standards Sponsors, and IEEE Standards Working Groups;

And whereas Ron received multiple awards from IEEE, including the IEEE-SA Standards Medallion, the IEEE-SA International Award, and the IEEE-SA Distinguished Service Award;

And whereas Ron was serving on the 2018 SASB and the 2018 SASB Standards Review Committee (RevCom) as a member, and on the 2018 SASB Procedures Committee (ProCom) as its chair;

And whereas Ron was serving as chair of the 2018 IEEE-SA Board of Governors Awards and Recognition Committee (ArCom);

And whereas Ron passed away on 9 July 2018, working on standards activities a few days before his passing;

Be it resolved that

The IEEE-SA Standards Board recognizes Ron Petersen's outstanding achievements in his fields of standardization, his valued participation on the SASB and its committees over long years of service, his compassionate support and mentorship of his fellow SASB members, and his stalwart dedication to the value of standards and IEEE standards development by holding a minute of silence in his honor.

**There was a motion to approve the resolution.
The resolution was unanimously approved.**

The SASB held a moment of silence in honor of Ron.

4 SASB Standing Committee Reports

4.1 Audit Committee ([AudCom](#))

Annette Reilly, AudCom Chair, reported.

There was a motion (from AudCom):

Suspend work from Standards Committees whose Sponsor P&P have expired on December 31, 2018, and whose revised P&Ps have not been received by AudCom by February 28, 2019.

The motion was unanimously approved.

There was a motion (from AudCom):

Suspend work from Standards Committees whose Sponsor P&P were accepted prior to 2018 and who have not submitted current Working Group P&P to AudCom by February 28, 2019.

The motion was unanimously approved.

4.1.1 [CES/BSC New Sponsor P&P](#)

Annette Reilly, AudCom Chair, reported.

**There was a motion to accept the CES/BSC Sponsor P&P.
The motion was approved (Yes=13, No=7).**

**There was a motion to recognize CES/BSC as a Sponsor.
The motion was approved (Yes=19, Abstain=1).**

[The following motion occurred after item 4.6.]

There was a motion:

The SASB:

- **Directs the IEEE-SA Representative to the TAB Committee on Standards to initiate discussions with that committee on the importance of clarity in new and existing Standards Association Standards Committee scope statements;**
- **Asks the TAB Committee on Standards to develop scope statement guidelines for Societies and Councils in collaboration with SASB; and**
- **Requests the IEEE-SA Representative to the TAB Committee on Standards to report to the SASB on the progress in this regard.**

The motion was unanimously approved.

4.2 Industry Connections Committee ([ICCom](#))

Kevin Lu, ICCom Chair, reported.

4.3 New Standards Committee ([NesCom](#))

Ted Burse, NesCom Chair, reported.

4.4 Patent Committee ([PatCom](#))

Phil Wennblom, PatCom Chair, reported.

There was a motion:

The SASB approves updates to the LOA form and to section 6.3.4 in the SASB Operations Manual as described in [1218patagen_6-1-updated.pdf](#), with an implementation date of 1 June 2019.

The motion was approved. [Vote: Yes=17, No=2, Abstain=1]

4.5 Procedures Committee ([ProCom](#))

Ted Burse, Acting ProCom Chair, reported.

[Proposed P&P Changes RE: Copyright](#)

[Proposed P&P Changes RE: Dominance](#)

4.6 Standards Review Committee ([RevCom](#))

Gary Hoffman, RevCom Chair, reported.

The SASB returned to discussion related to agenda item 4.1.1 prior to proceeding to item 5.

5 Standards Coordinating Committee Reports

5.1 SCC Coordinator's [Report](#)

Kevin Lu, SCC Coordinator, reported.

There was a motion to accept the submitted reports from SCC39 and SCC42. The motion was approved in the absence of objection.

5.2 Scheduled Reports Due in December:

5.2.1 SCC39 – International Committee on Electromagnetic Safety (*Jafar Keshvari*)

5.2.2 SCC42 – Transportation (*Yu Yuan*)

Yu Yuan, SCC42 Chair, gave a brief status update. Yu stated that P2040.2 may need a PAR extension.

Paul Nikolich continues to have doubts about SCC42's viability and the stated timelines.

6 Old Business

6.1 'Sponsor' Terminology Ad Hoc [Report](#)

Phil Wennblom, Ad Hoc Chair, reported.

6.2 Phenomenon of Dominance Ad Hoc [Report](#)

Gary Hoffman, Ad Hoc Chair, reported.

Chair Faure reconstituted the ad hoc to develop:

- Educational materials
- Slides for presentation at standards development meetings

Ad Hoc Chair: Andrew Myles

Ad Hoc Members: Guido Hiertz, David Law, Yvette Ho Sang, Dave Ringle

Membership in the Ad Hoc is open to SASB Members and SASB standing committee members.

6.3 SCC18 Oversight Committee [Report](#)

John Kulick, OC Chair, reported.

6.4 SASB Executive Session Meeting Minutes [Report](#)

Andrew Myles reported.

There was motion:

The SASB approves the adoption of the policy on slides 8-9 of [this deck](#) for the handling of SASB Executive Session minutes

Info from slides 8-9:

Consensus for handling of SASB Executive Session minutes

- The SASB shall keep Executive Session meeting minutes
- The SASB has agreed to the following implementation practices:
 - The SASB shall align its practices regarding Executive Session meeting minutes with the relevant parts of the IEEE Board's *Executive Session Documentation and Guidelines*
 - Currently found at [executive session guidelines](#)
 - Per [IEEE Policy](#) (clause 9.11 A) 2)), Executive Session *minutes shall record concisely attendance at the meeting, the substance of all discussions and any actions taken, but need not be in the nature of a verbatim transcript*
 - The *substance of all discussions* is meant to capture key aspects that were considered in relation to each agenda topic
 - An SASB member may request to have their vote recorded (per [IEEE-SA Standards Board Operations Manual](#) clause 4.1.1.2) but the option should be used sparingly
 - A draft version of the Executive Session minutes will be distributed to SASB members for review and comment
 - The final version of the Executive Session minutes, after approval in a subsequent SASB Executive Session, will be archived by the Director, IEEE-SA Governance
 - Current SASB members have access to Executive Session minutes from all prior sessions; access to minutes is ex officio and not dependent on attendance at the session of interest
 - Non-seated SASB members do not have access to any archived Executive Session minutes even though they may have previously attended a session of interest
 - It is recommended that SASB members in Executive Session do not take or retain personal notes

The motion was unanimously approved.

Prior to Executive Session, Paul Nikolich provided an [update](#) in regards to P802.11ax. Dorothy Stanley also provided an update.

The SASB entered Executive Session at 1:04 p.m.

Remaining in the Room: SASB Members, BOG Members, IEEE-SA Senior Directors, Topp, Ho Sang, Ceglia, Ringle, Weisser, Evangelista

7 Executive Session Items

7.1 Legal Update

7.2 Follow-up on the SASB Ratification of the Actions taken by the IEEE 802 LMSC Sponsor in Connection with the 802.11 TGax Complaint

7.3 Report of SASB Oversight Committee RE: Potential Dominance within a Specific WG

7.4 Open Source Ad Hoc Report

Executive Session concluded at 2:30 p.m.

REPORT OUT:

- **The SASB received an update from legal counsel.**
- **The SASB received a report from an SASB Oversight Committee RE: potential dominance within a specific WG.**
- **The SASB endorsed an SASB framework for referencing open source software in IEEE Standards and formed an ad hoc to develop an implementation plan.**

8 New Business

8.1 Approval of [Dates](#) for 2020 SASB Meetings

There was a motion to approve the 2020 SASB meeting dates.

The motion was approved. [Vote: Yes=17, Abstain=1]

8.2 Principles of Meeting Minutes

Andrew Myles led discussion.

There was a motion that SASB and its subcommittees should follow the principles defined in Clause 6.4 of the Simplified WG baseline P&P document for any meeting minutes.

There was a motion to Table.

The motion to Table was approved. [Vote: Yes=12, No=5]

9 IEEE-SA Managing Director's Report

Konstantinos Karachalios, IEEE-SA Managing Director, reported.

10 Informational Reports

10.1 CAG [Report](#)

Chuck Adams reported.

10.2 IEEE-SA President's [Report](#)

IEEE-SA President Don Wright reported.

This item occurred after item 9.

10.3 SASB Chair's [Report](#)

Chair Faure reported.

Jingyi Zhou was added to the Global Representation in IEEE-SA Governance ad hoc.

Moira Patterson reported on outreach planning for the March 2019 SASB meeting series in Munich, Germany.

Konstantinos thanks Chair Faure for his service as SASB Chair and presented him with a gift. There was a round of applause for Chair Faure.

11 [Next Meeting](#)

The next SASB meeting is scheduled for Thursday, 21 March 2019 in Munich, Germany.

12 SASB Resolutions

The SASB approved a motion to suspend work from Standards Committees whose Sponsor P&P have expired on 31 December 2018, and whose revised P&Ps have not been received by AudCom by 28 February 2019.

The SASB approved a motion to suspend work from Standards Committees whose Sponsor P&P were accepted prior to 2018 and who have not submitted current Working Group P&P to AudCom by 28 February 2019.

The SASB recognized the Consumer Electronics Society/Blockchain Standards Committee, to be abbreviated as CES/BSC, as an official Sponsor, in accordance with IEEE-SASB Bylaws 5.2.2.

The SASB approved updates to the LOA form and to section 6.3.4 in the SASB Operations Manual as described in [1218patagen_6-1-updated.pdf](#), with an implementation date of 1 June 2019.

The SASB:

- Directs the IEEE-SA Representative to the TAB Committee on Standards to initiate discussions with that committee on the importance of clarity in new and existing Standards Association Standards Committee scope statements;
- Asks the TAB Committee on Standards to develop scope statement guidelines for Societies and Councils in collaboration with SASB; and
- Requests the IEEE-SA Representative to the TAB Committee on Standards to report to the SASB on the progress in this regard.

13 Adjournment

There being no further business, the meeting was adjourned at 4:57 p.m.