

IEEE-SA Standards Board Meeting Minutes – June 2016

IEEE-SA Standards Board**Meeting Minutes****30 June 2016****Sofitel Kurfuerstendamm Hotel, Berlin, Germany****Attendees****Chair:**

Jean-Philippe Faure

Vice Chair:

Ted Burse

Past Chair:

John Kulick

Secretary:

Konstantinos Karachalios

Members:

Chuck Adams

Masayuki Ariyoshi

Stephen Dukes [TAB Rep.]

Travis Griffith

Gary Hoffman

Ron Hotchkiss

Michael Janezic

Hung Ling

Kevin Lu

Annette Reilly

Gary Robinson

Mehmet Ulema

Don Wright

Daidi Zhong

Members Absent:

Jianbin Fan

Yingli Wen

Howard Wolfman

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Yu Yuan

Joe Koepfinger, Member Emeritus

IEEE Staff:

Kim Breitfelder

Matthew Ceglia

Jayne Cerone

Tom Compton

Karen Evangelista

Mary Ellen Hanntz

Yvette Ho Sang

Karen Kenney

Soo Kim

Moira Patterson

Dave Ringle, Recording Secretary

Rudi Schubert

Sam Sciacca

Lisa Weisser

IEEE Outside Legal Counsel:

Claire Topp

Guests:

Evelyn Chen

Doug Edwards

Scott Gilfillan

Jim Harlan

David Law

Xiaohui Liu

Stefanie Mielert

Gil Ohana

Elisabeth Opie

Glenn Parsons

Ron Petersen

Vincenzo Piuri

Jon Rosdahl

Jack Sheldon

Dorothy Stanley

Adrian Stephens

Victoria Wang

Phil Wennblom

Francesco Zacca

Jingyi Zhou

1 Call to Order

Jean-Philippe Faure, IEEE-SA Standards Board Chair, called the meeting to order at 9:00 a.m.

There was a round of introductions by all present.

2 Agenda

2.1 Approval of [Agenda](#)

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

2.2 Consent Agenda

2.2.1 Approval of 03 March 2016 SASB Meeting [Minutes](#)

2.2.2 AudCom Recommendations

Accepted (standards work authorized):

- C/DA Computer Society/Design Automation
- C/MSC Computer Society/Microprocessor Standards Committee
- EMC/SDCom Electromagnetic Compatibility Society/Standards Development Committee
- IM/MBM Instrumentation and Measurement Society/Medical and Biological Measurements
- IM/MPS Instrumentation and Measurement Society/Measurements in Power Systems

2.2.3 ICom Recommendations

New Industry Connections Activity Approvals:

IC16-005-02 Consumer Healthcare Alliance

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

Recommendation: Approve

Renew/Revised Industry Connections Activity Approval:

IC09-001 Computer Security Groups (ICSG)

https://ieee-sa.imeetcentral.com/p/eAAAAAAAJq_QAAAAAOAVNw

Recommendation: Approve

IC15-002-02 Smart Glasses Roadmap Project

<https://ieee-sa.imeetcentral.com/p/eAAAAAAAJxfMAAAAADfsP8Q>

Recommendation: Approve

IC16-004-02 Augmented Reality in the Oil/Gas/Electric Industry

<https://ieee-sa.imeetcentral.com/p/eAAAAAAAJ1aKAAAAAHI6w5Y>

Recommendation: Approve

2.2.4 NesCom Recommendations

Modified PARs

IEEE Aerospace and Electronic Systems Society/Gyro Accelerometer Panel

P952-1997/Cor 1

Standard Specification Format Guide and Test Procedure for Single-Axis Interferometric Fiber Optic Gyros – Corrigendum 1: Figure 1 and Clauses 5.3.4, 8.3, 12.11.4.3.2, 12.11.4.3.3, 12.11.4.3.4, 12.12.3.1, 12.12.4.1

Recommendation: Approve modified PAR

IEEE-SA Board of Governors/Corporate Advisory Group

P1899

Guide for Establishing Basic Requirements for High-Voltage Direct Current (HVDC) Transmission Protection and Control Equipment

Recommendation: Approve modified PAR

IEEE Communications Society/Standards Development Board

P1904.3

Standard for Radio over Ethernet Encapsulations and Mappings

Recommendation: Approve modified PAR

IEEE Industry Applications Society/Petroleum & Chemical Industry

P844.1

844.1/CSA C22.2 No.293.1: Standard for Skin Effect Trace Heating of Pipelines, Vessels, Equipment, and Structures – General, Testing, Marking, and Documentation Requirements

Recommendation: Approve modified PAR

P844.2

844.2/CSA C293.2: Standard for Skin Effect Trace Heating of Pipelines, Vessels, Equipment, and Structures – Application Guide for Design, Installation, Testing, Commissioning, and Maintenance

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Switchgear

PC37.21

Standard for Control Switchboards

Recommendation: Approve modified PAR

PC37.100.5

Standard for Definitions of High Voltage Circuit Breakers above 1000 Vac and 3200 Vdc, and Reclosers and Other Distribution Equipment from 1000 Vac to 38,000 Vac

Recommendation: Approve modified PAR

Extension Requests:

IEEE Aerospace and Electronic Systems Society/Gyro Accelerometer Panel

P952-1997/Cor 1

Standard Specification Format Guide and Test Procedure for Single-Axis Interferometric Fiber Optic Gyros – Corrigendum 1: Figure 1 – Gyro Axes and Misalignment Angles

Recommendation: Approve request for an extension until 2017

IEEE Education Society/Standards Committee

P1876

Standard for Networked Smart Learning for Online Laboratories

Recommendation: Approve request for an extension until 2018

IEEE Power and Energy Society/Switchgear

PC37.10.1

Guide for the Selection of Monitoring for Circuit Breakers

Recommendation: Approve request for an extension until 2018

IEEE Power and Energy Society/Transmission and Distribution

P563

Guide on Conductor Self-Damping Measurements

Recommendation: Approve request for an extension until 2018

P664

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

Recommendation: Approve request for an extension until 2018

IEEE Power and Energy Society/Transformers

P60076-16

Power Transformers – Part 16: Transformers for Wind Turbine Application

Recommendation: Approve request for an extension until 2018

NEW PARs

IEEE Computer Society/LAN/MAN Standards Committee

P802.1Qcr

Standard for Local and Metropolitan Area Networks-Bridges and Bridged Networks Asynchronous Traffic Shaping

Recommendation: Approve new PAR until December 2020

P802.16s

Standard for Air Interface for Broadband Wireless Access Systems Amendment: Fixed and Mobile Wireless Access in Channel Bandwidth up to 1.25 MHz

Recommendation: Approve new PAR until December 2020

IEEE Computer Society/Microprocessor Standards Committee

P1722-2016/Cor 1

Standard for a Transport Protocol for Time Sensitive Applications in a Bridged Local Area Network – Corrigendum 1

Recommendation: Approve new PAR until December 2020

IEEE Computer Society/Software & Systems Engineering Standards Committee

P7000

Model Process for Addressing Ethical Concerns during System Design

Recommendation: Approve new PAR until December 2020

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P473

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

Recommendation: Approve new PAR until December 2020

P2715

Guide for the Characterization of the Shielding Effectiveness of Planar Materials

Recommendation: Approve new PAR until December 2020

P2716

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

Recommendation: Approve new PAR until December 2020

IEEE Industry Applications Society/Technical Books Coordinating Committee

P3001.4

Recommended Practice for Estimating the Costs of Industrial and Commercial Power Systems

Recommendation: Approve new PAR until December 2020

IEEE Power and Energy Society/Insulated Conductors

P2740

Guide for the Selection and Installation of Flexible Electrical Cables and Systems in Hazardous (Classified) Locations on Land Drilling Rigs

Recommendation: Approve new PAR until December 2020

IEEE Power and Energy Society/Substations

P1815.1-2015/Cor 1

Standard for Exchanging Information between Networks Implementing IEC 61850 and IEEE Std 1815 (Distributed Network Protocol – DNP3) – Corrigendum 1

Recommendation: Approve new PAR until December 2020

IEEE Power and Energy Society/Transformers

PC57.12.90-2015/Cor 1

Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers – Corrigendum 1: Editorial and Technical Corrections

Recommendation: Approve new PAR until December 2020

PC57.163-2015/Cor 1

Guide for Establishing Power Transformer Capability while under Geomagnetic Disturbances – Corrigendum 1

Recommendation: Approve new PAR until December 2020

PC57.164

Guide for Establishing Short Circuit Withstand Capabilities of Liquid Immersed Power Transformers, Regulators, and Reactors

Recommendation: Approve new PAR until December 2020

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P1627

Standard for Transient Overvoltage Protection of DC Electrification Systems by Application of Surge Arrestors

Recommendation: Approve new PAR until December 2020

P2720

Rail Potential Management Guide for Direct Current Traction Electrification Systems

Recommendation: Approve new PAR until December 2020

PARs for the Revision of Standards

IEEE Computer Society/Information Assurance

P1667

Standard for Discovery, Authentication, and Authorization in Host Attachments of Storage Devices

Recommendation: Approve PAR for the revision of a standard until December 2020

IEEE Computer Society/Software & Systems Engineering Standards Committee

P15289

ISO/IEC/IEEE Systems and Software Engineering – Content of Life-Cycle Information Items (Documentation)

Recommendation: Approve PAR for the revision of a standard until December 2020

P24765

Systems and Software Engineering – Vocabulary

Recommendation: Approve PAR for the revision of a standard until December 2020

IEEE Communications Society/Standards Development Board

P2410

Standard for Biometric Open Protocol

Recommendation: Approve PAR for the revision of a standard until December 2020

IEEE Industry Applications Society/Power Systems Engineering

P1668

Recommended Practice for Voltage Sag and Short Interruption Ride-Through Testing for End-Use Electrical Equipment Rated Less than 1000 V

Recommendation: Approve PAR for the revision of a standard until December 2020

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 PAR for the revision of a standard until December 2020

IEEE Power and Energy Society/Energy Development & Power Generation

P666

Design Guide for Electric Power Service Systems for Generating Stations

Recommendation: Approve PAR for the revision of a standard until December 2020

IEEE Power and Energy Society/Switchgear

PC37.12.1

Recommended Practice for Instruction Manual Content of High-Voltage Circuit Breakers (Over 1000 Volts)

Recommendation: Approve PAR for the revision of a standard until December 2020

IEEE Power and Energy Society/Transformers

PC57.18.10

Standard Practices and Requirements for Semiconductor Power Rectifier Transformers

Recommendation: Approve PAR for the revision of a standard until December 2020

PC57.148

Standard for Control Cabinets for Power Transformers

Recommendation: Approve PAR for the revision of a standard until December 2020

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.0

Guide for Wireless Access in Vehicular Environments (WAVE) – Architecture

Recommendation: Approve PAR for the revision of a standard until December 2020

P1609.12

Standard for Wireless Access in Vehicular Environments (WAVE) – Identifier Allocations

Recommendation: Approve PAR for the revision of a standard until December 2020

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P1653.3

Guide for Rail Transit Traction Power Systems Modeling

Recommendation: Approve PAR for the revision of a standard until December 2020

2.2.5 RevCom Recommendations

NEW

P802.1BA-2011/Cor 1/Draft D0.0 (C/LM) IEEE Draft Standard for Local and Metropolitan Area Networks-Audio Video Bridging (AVB) Systems – Corrigendum 1: Technical and Editorial Corrections

Recommendation: APPROVE

P802.1Qbu/Draft D3.1 (C/LM) IEEE Draft Standard for Local and Metropolitan Area Networks – Media Access Control (MAC) Bridges and Virtual Bridged Local Area Networks Amendment: Frame Preemption

Recommendation: APPROVE

P802.1Qbz/Draft 2.4 (C/LM) IEEE Draft Standard for Local and Metropolitan Area Networks – Bridges and Bridged Networks Amendment: Enhancements to Bridging of 802.11 Media Amendment

Recommendation: APPROVE

P802.3bp/Draft D3.4 (C/LM) IEEE Draft Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for 1 Gb/s Operation over a Single Twisted Pair Copper Cable

Recommendation: APPROVE

P802.3bq/Draft D3.3 (C/LM) IEEE Draft Standard for Ethernet Amendment: Physical Layer and Management Parameters for 25 Gb/s and 40 Gb/s Operation, Types 25GBASE-T and 40GBASE-T

Recommendation: APPROVE

P802.3br/Draft D3.1 (C/LM) IEEE Draft Standard for Ethernet Amendment: Specification and Management Parameters for Interspersing Express Traffic

Recommendation: APPROVE

P802.3by/Draft D3.2 (C/LM) IEEE Draft Standard for Ethernet Amendment: Media Access Control Parameters, Physical Layers and Management Parameters for 25 Gb/s Operation

Recommendation: APPROVE

P1003.1-2008/Cor 2/Draft 4 (C/PA) IEEE Draft Standard for Information Technology – Portable Operating System Interface (POSIX) – Corrigendum 2

Recommendation: APPROVE

P1484.13.4/Draft 4 (C/LT) IEEE Draft Recommended Practice for Learning Technology – IMS Content Packaging Information Model (CP) Version 1.2 – Mapping to the Conceptual Model for Resource Aggregation

Recommendation: APPROVE

P1653.1/Draft 12 (VT/RTSC) IEEE Draft Standard for Traction Power Transformers for Substation Applications up to 1500 Volts DC Nominal Output

Recommendation: APPROVE

P1881/Draft D11 (PE/SB) IEEE Draft Standard Glossary of Stationary Battery Terminology

Recommendation: APPROVE

P1896/Draft 2.4 (VT/RTSC) IEEE Draft Standard for Identification of Contact Wire Used in Overhead Contact Systems

Recommendation: APPROVE

P2030.3/Draft D5 (SASB/SCC21) IEEE Draft Standard for Test Procedures for Electric Energy Storage Equipment and Systems for Electric Power Systems Applications

Recommendation: APPROVE

P3006.2/Draft D7 (IAS/TBCC) IEEE Draft Recommended Practice for Evaluating the Reliability of Existing Industrial and Commercial Power Systems

Recommendation: APPROVE

P11073-10422/Draft 8 (EMB/11073) IEEE Draft Standard for Health Informatics – Personal Health Device Communication – Device Specialization – Urine Analyzer

Recommendation: APPROVE

PC57.156/Draft PC57.156D4.3 (PE/TR) IEEE Draft Guide for Tank Rupture Mitigation of Liquid-Immersed Power Transformers and Reactors

Recommendation: APPROVE

REVISION

P386/Draft 3.2 (PE/IC) IEEE Draft Standard for Separable Insulated Connector Systems for Power Distribution Systems Rated 2.5 kV through 35 kV

Recommendation: APPROVE

P524/Draft 3 (PE/T&D) IEEE Draft Guide to the Installation of Overhead Transmission Line Conductors

Recommendation: APPROVE

P525/Draft 6 (PE/SUB) IEEE Draft Guide for the Design and Installation of Cable Systems in Substations

Recommendation: APPROVE

P1647/Draft 3 (C/DA) IEEE Draft Standard for the Functional Verification Language e

Recommendation: APPROVE

P1652/Draft 10.5 (COM/SDB) IEEE Draft Standard for Translating Head and Torso Simulator Measurements from Eardrum to Other Acoustic Reference Points

Recommendation: APPROVE

PC37.13.1/Draft 5.1 (PE/SWG) IEEE Draft Standard for Definite-Purpose Switching Devices for Use in Metal-Enclosed Low-Voltage (600 Vac and Below) Power Circuit Breaker Switchgear

Recommendation: APPROVE

3 Legal Update

None

4 IEEE-SA Managing Director's Report

Konstantinos Karachalios, IEEE-SA Managing Director, reported.

5 SASB Standing Committee Reports

5.1 Audit Committee ([AudCom](#))

Michael Janezic, AudCom Chair, reported.

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

John Kulick, ICCom Chair, reported.

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

Stephen Dukes, NesCom Chair, reported.

Michael Janezic, [NesCom Ad Hoc on Social Implications and Ethical Considerations for New Projects](#) Chair, also reported.

5.4 Patent Committee ([PatCom](#))

Don Wright, PatCom Chair, reported.

5.5 Procedures Committee ([ProCom](#))

- [SASB OpMan RE: Draft Distribution](#)

- [SASB OpMan RE: Mandatory Coordination](#)

Ted Burse, ProCom Chair, reported.

AI – Dave Ringle to conduct a 30-day SASB email ballot on P&P change (draft distribution)

5.6 Standards Review Committee ([RevCom](#)) Information

Gary Hoffman, RevCom Chair, reported.

6 Standards Coordinating Committee Reports

6.1 SCC Coordinator's [Report](#)

The SCC Coordinator's report was displayed.

There was a motion to Accept the submitted reports from SCC14 and SCC18. The motion was unanimously approved.

6.2 Scheduled Reports Due in June:

6.2.1 [SCC14](#) – Quantities, Units, and Letter Symbols (Gary Hoffman)

Gary Hoffman, SCC14 Chair, provided a verbal update.

6.2.2 [SCC18](#) – National Fire Protection Association Standards (Ed Larsen)

7 Liaison Reports

7.1 IEC SMB [Report](#)

Jack Sheldon, IEC Standardization Strategy Manager, reported.

8 Reports from Government Observers

8.1 NIST [Report](#)

Michael Janezic, Government Observer to the SASB from U.S. NIST, reported.

9 Informational Reports

9.1 CAG [Report](#)

This item occurred after agenda item 3.

Glenn Parsons, CAG Liaison to the SASB, reported.

9.2 SASB Chair's [Report](#)

Chair Faure reported.

10 Old Business

10.1 Financial Reporting Requirements

Karen Kenney, Senior Director – Business Operations, Administration and Governance, reported.

All Sponsors are in compliance with the financial reporting requirements.

10.2 SASB Implementation of IEEE Policy 9.17 Ad Hoc [Report](#)
- Metric Implementation Plan ([redline](#), [clean](#))

Gary Hoffman, Ad Hoc Chair, reported.

There was a motion to approve the *IEEE-SA Standards Board Implementation Plan for IEEE Policy 9.17 (Updated 30 June 2016)*. The motion was unanimously approved.

IEEE-SA STANDARDS BOARD IMPLEMENTATION PLAN FOR IEEE POLICY 9.17

Approved by IEEE-SA Standards Board, 15 September 2006 (updated 30 June 2016)

The IEEE-SA Standards Board adheres to IEEE Policy 9.17, which calls for measured and calculated values of quantities to be expressed in metric units in IEEE publications, following the detailed guidance for SI-based metric practice given in the most current version of IEEE/ASTM SI 10 American National Standard for Metric Practice.

Proposed new standards and revised standards submitted for approval should use metric units exclusively in the normative portions of the standard. Metric units shall be the primary unit of measurement where applicable. Inch-pound units may be included in parentheses after the metric units if the Sponsor believes that the audience for the document would benefit from the inclusion of inch-pound units, based on concerns for safety or clarity. Standards Coordinating Committee 14 (SCC14) shall provide guidance to IEEE Staff as they support the committees responsible for generating IEEE standards to help them carry out this implementation plan. IEEE Policy 9.17 recognizes the need for some exceptions. SCC14 shall review requests for individual exceptions and shall report its recommendations to the IEEE-SA Standards Board. Each recommendation from SCC14 to grant an exception shall indicate the period of applicability for such exception.

Exceptions

- Exceptions for trade sizes, such as the AWG wire series and inch-based standards for fasteners. Such data need not be translated into metric terms.
- Also excepted are those cases, such as plugs and sockets, where a mechanical fit to an inch-based product is required.
- This implementation plan does not require metric products to be substituted for inch-based products.

There was a motion to approve the [removal of SCC14 mandatory coordination from Clause 5.4.4 of the IEEE-SA Standards Board Operations Manual](#) as described in the ProCom Procedural Change Request Form ([Item 5.2 of the ProCom agenda](#)) recommended for approval by ProCom on 28 June 2016. The motion was unanimously approved.

IEEE-SA Standards Board Operations Manual

5.4.4 Mandatory coordination

The Sponsor shall coordinate via circulations of drafts with the following entities:

~~-- SCC14 (Standards Coordinating Committee on Quantities, Units, and Letter Symbols)~~

-- IEEE Standards Editorial Staff

The Sponsor shall indicate the IEEE Registration Authority Committee (RAC) as a mandatory coordination entity when the draft is submitted for Sponsor ballot if

-- The PAR indicates the possible registration of objects or numbers to be included in or used by the project;

-- It becomes apparent through development of the draft that registration of objects or numbers will be included in or is used by the project;

-- Requested by the RAC.

Comments from these entities shall be given appropriate consideration and response. At the time of project submittal to the IEEE-SA Standards Board for consideration for approval, the Sponsor shall supply the most recent coordination comments and indicate either acceptance or a request for a waiver (see 4.2.3.2).

The ad hoc was disbanded, with thanks for its work.

11 New Business

11.1 IEEE-SA XML [Update](#)

Kim Breitfelder, Director – Content Production & Management, reported.

12 Upcoming Meetings

The next SASB meeting is a teleconference scheduled for Thursday, 22 September 2016.

The next in-person SASB meeting is scheduled for Wednesday, 07 December 2016, in Piscataway, New Jersey, USA.

13 SASB Resolutions

The SASB approved the [**IEEE-SA Standards Board Implementation Plan for IEEE Policy 9.17 \(Updated 30 June 2016\)**](#).

14 Adjournment

There being no further business, the meeting was adjourned at 1:21 p.m.