

IEEE-SA Standards Board Meeting Minutes – June 2014

IEEE-SA Standards Board Meeting Minutes

12 June 2014

IEEE Operations Center, Piscataway, New Jersey, USA

9:00 a.m. – 4:00 p.m.

Attendees:

Chair:

John Kulick

Vice Chair:

Jon Rosdahl

Past Chair:

Rich Hulett

Secretary:

Konstantinos Karachalios

Members:

Peter Balma

Farooq Bari

Ted Burse

Stephen Dukes [TAB Rep.]

Jean-Philippe Faure

Gary Hoffman

Jeffrey Katz

David Law

Hung Ling

Ted Olsen

Glenn Parsons

Ron Petersen

Adrian Stephens

Yatin Trivedi

Philip Winston

Don Wright

Yu Yuan

Joe Koepfinger, Member Emeritus

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Dick DeBlasio, DOE Representative

Members Absent:

Clint Chaplin
Michael Janezic
Oleg Logvinov
Peter Sutherland

IEEE Staff:

Melissa Aranzamendez
Bill Ash
Kathryn Bennett
Christina Boyce
Kim Breitfelder
Georedna Brown
Justin Caso
Matt Ceglia
Donna Ceruto
Tom Compton
Terry deCourcelle
Chirag Desai
Radcliffe Dwyer
Karen Evangelista
Nikki Fitzgerald
Tricia Gerdon
Rona Gertz
Jonathan Goldberg
Jodi Haasz
Mary Ellen Hanntz
Yvette Ho Sang
Noelle Humenick
Robert Ivan
Karen Kenney
Soo Kim
Eileen Lach
Juanita Lewis
Brenda Mancuso
Greg Marchini
Karen McCabe
Jennifer McClain
Tom Monaco
Adam Newman
Mary Lynne Nielsen
Jeff Pane
Maira Patterson

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Lisa Perry
Walter Pienciak
Dave Ringle, Recording Secretary
Ana Sainvilus
Amna Salam
Sam Sciacca
Alpesh Shah
Erin Spiewak
Ravi Subramaniam
Walter Sun
Martha Tejada
Cherry Tom
Michelle Turner
Sue Vogel
Lisa Weisser
Jim Wendorf
Shuang Yu
Malia Zaman

IEEE Outside Legal Counsel:

Michael Lindsay
Claire Topp

Guests:

Chuck Adams
Marc Braner
Carole Carey
Dave Djavaherian
Eddie Fong
Michael Froehlich
Scott Gilfillan
Daniel Hermele
Ron Hotchkiss
Jim Hughes
Bruce Kraemer
Xiaohui Liu
Earl Nied
Leah Poynter
Karl Rauscher
Pat Thaler
Diego Vicentin
Phil Wennblom
Howard Wolfman
Lisa Yacone
Paul Zeineddin

1 Call to Order

Chair Kulick called the meeting to order at 9:02 a.m. and welcomed all attendees.

There was a round of introductions by all present.

2 Agenda

2.1 Approval of [Agenda](#)

There was a motion to approve the agenda. There was no objection to approval of the motion.

2.2 Consent Agenda

2.2.1 Approval of 27 March 2014 SASB Meeting [Minutes](#)

2.2.2 AudCom Recommendations

Accepted (standards work authorized):

- BTS/AV Tech Broadcast Technology Society/Audio & Visual Techniques
- BTS/RF Tech Broadcast Technology Society/RF Techniques
- C/LM Computer Society/LAN/MAN Standards Committee
- SASB/SCC21 SASB Standards Coordinating Committee 21 – Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage
- SASB/SCC40 SASB Standards Coordinating Committee 40 – Earth Observation [Conditional upon the enactment of minor editorial changes]
- VT/LT Vehicular Technology Society/Land Transportation

Visibly Under Development (standards work authorized):

- TAB/CRFID Technical Activities Board/Technical Committee on RFID

2.2.3 ICom Recommendations

New Industry Connections Activity

IC14-001-02 Green Power Generation

<https://ieeesa.centraldesktop.com/p/eAAAAAADv2aAAAAACHtvGM>

Recommendation: APPROVE as amended.

IC14-002-01 Surgical Robotics

<https://ieeesa.centraldesktop.com/p/eAAAAAADubmAAAAAAq8urk>

Recommendation: APPROVE.

Revised Industry Connections Activity

IC09-001-04 Computer Security Group (ICSG)

<https://ieee-sa.centraldesktop.com/p/eAAAAAADv2ZAAAAEvwTmA>

Recommendation: APPROVE as amended.

P&P Review

IC13-004 IEEE-SA Ethernet & IP @ Automotive Technology Day

<https://ieee-sa.centraldesktop.com/p/eAAAAAADGRzAAAAAGgyjWU>

Recommendation: Conditional acceptance with staff making changes noted on the ICom review checklist.

IC13-003 Convergence of Smart Home and Building Architectures

<https://ieee-sa.centraldesktop.com/p/eAAAAAADGatAAAAABr6uLw>

Recommendation: Acceptance with editorial changes.

2.2.4 NesCom Recommendations

Withdrawal Requests

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P1836

Standard for Electromagnetic Compatibility (EMC) – Limits for Harmonic Current Emissions Produced by Equipment Connected to Public Low-Voltage Systems with Input Current ≤ 16 A per Phase

Recommendation: Approve PAR withdrawal

P1837

Standard for Electromagnetic Compatibility (EMC) – Limits for Harmonic Current Emissions Produced by Equipment Connected to Public Low-Voltage Systems with Input Current > 16 and ≤ 75 A per phase

Recommendation: Approve PAR withdrawal

Modified PARs

IEEE Computer Society/LAN/MAN Standards Committee

P802.1Qcd

Standard for Local and Metropolitan Area Networks – Media Access Control (MAC) Bridges and Virtual Bridged Local Area Networks Amendment: Application Virtual Local Area Network (VLAN) Type, Length, Value (TLV)

Recommendation: Approve modified PAR

P802.3bp

Standard for Ethernet Amendment Physical Layer Specifications and Management Parameters for 1 Gb/s Operation over a Single Twisted Pair Copper Cable

Recommendation: Approve modified PAR

P802.3bs

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

Recommendation: Approve modified PAR

IEEE Engineering in Medicine and Biology Society/Standards Committee

P1708

Standard for Wearable Cuffless Blood Pressure Measuring Devices

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Substations

P1264

Guide for Animal Deterrents for Electric Power Supply Substations

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Transformers

PC57.94

Recommended Practice for Installation, Application, Operation, and Maintenance of Dry-Type Distribution and Power Transformers

Recommendation: Approve modified PAR

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P1896

Standard for Identification of Contact Wire Used in Overhead Contact Systems

Recommendation: Approve modified PAR

Extension Requests

IEEE Nanotechnology Council/Standards Committee

P62659

Standard for Large Scale Manufacturing of Nanoelectronics

Recommendation: Approve request for an extension until December 2015

IEEE Power and Energy Society/Transmission and Distribution

P519.1

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Guide for Applying Harmonic Limits on Power Systems

Recommendation: Defer until August 2014 NesCom meeting

IEEE Power and Energy Society/Transformers

PC57.120

Guide for Loss Evaluation of Distribution and Power Transformers and Reactors

Recommendation: Approve request for an extension until December 2016

IEEE Reliability Society/IEEE Reliability

P61014

Standard for Programmes for Reliability Growth

Recommendation: Approve request for an extension until December 2016

NEW PARs

IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee

P1900.6-2011/Cor 1

IEEE Standard for Spectrum Sensing Interfaces and Data Structures for Dynamic Spectrum Access and other Advanced Radio Communication Systems – Corrigendum 1

Recommendation: Approve new PAR until December 2018

IEEE Communications Society/Standards Development Board

P1652a

IEEE Standard for the Application of Free Field Acoustic Reference to Telephony Measurements Amendment a: Updated diffuse field graph and tables

Recommendation: Approve new PAR until December 2018

P2410

Biometrics Open Protocol Standard

Recommendation: Approve new PAR until December 2018

IEEE Industry Applications Society/Petroleum & Chemical Industry

P80005-3

Utility Connections in Port – Part 3: Low Voltage Shore Connection (LVSC) Systems – General Requirements

Recommendation: Approve new PAR until December 2018

IEEE Industry Applications Society/Power Systems Protection

P2408

Guide for Communications-Based Protection of Industrial and Commercial Power Systems

Recommendation: Defer until August 2014 NesCom meeting

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

P2414

Standard for Jitter and Phase Noise

Recommendation: Approve new PAR until December 2018

IEEE Power and Energy Society/Insulated Conductors

P1727-2013/Cor 1

IEEE Guide for Working Procedures on Underground Transmission Circuits with Induced Voltage – Corrigendum 1

Recommendation: Approve new PAR until December 2018

IEEE Power and Energy Society/Power System Relaying

PC37.249

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

Recommendation: Conditionally approve new PAR until December 2018; contingent upon editorial changes being implemented in the JSA

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

PC62.72a

Guide for the Application of Surge Protective Devices for Low Voltage (1000 Volts or Less) AC Power Circuits Amendment: SPD Disconnecter Application Considerations and Coordination for use in Low Voltage AC (1000 V or Less, 50 or 60 Hz) Power Circuits

Recommendation: Approve new PAR until December 2018

PC62.230

Guide for Surge Protection of Electric Vehicle Infrastructure

Recommendation: Approve new PAR until December 2018

IEEE Power and Energy Society/Substations

P80-2013/Cor 1

IEEE Guide for Safety in AC Substation Grounding – Corrigendum 1

Recommendation: Approve new PAR until December 2018

P1613-2009/Cor 1

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

Recommendation: Approve new PAR until December 2018

IEEE Power and Energy Society/Transmission and Distribution

P2030.7

Standard for the Specification of Microgrid Controllers

Recommendation: Approve new PAR until December 2018

IEEE Power and Energy Society/Transformers

P1538a

Guide for Determination of Maximum Winding Temperature Rise in Liquid-Filled Transformers Amendment a

Recommendation: Approve new PAR until December 2018

P60214-2

Tap-Changers – Part 2: Application Guide

Recommendation: Approve new PAR until December 2018

PARs for the Revision of Standards

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1662

Recommended Practice for Design and Application of Power Electronics in Electrical Power Systems

Recommendation: Conditionally approve PAR for the revision of a standard until December 2018; contingent upon editorial changes being implemented in the JSA

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

P1057

Standard for Digitizing Waveform Recorders

Recommendation: Approve PAR for the revision of a standard until December 2018

IEEE Power and Energy Society/Power System Relaying

PC37.94

Standard for N Times 64 Kilobit per Second Optical Fiber Interfaces Between Teleprotection and Multiplexer Equipment

Recommendation: Approve PAR for the revision of a standard until December 2018

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

PC62.62

Standard Test Specifications for Surge-Protective Devices (SPDs) for Use on the Load Side of the Service Equipment in Low-Voltage (1000 V and Less) AC Power Circuits

Recommendation: Approve PAR for the revision of a standard until December 2018

IEEE Power and Energy Society/Transformers

PC57.110

Recommended Practice for Establishing Liquid-Immersed and Dry-Type Power and Distribution Transformer Capability when Supplying Nonsinusoidal Load Currents

Recommendation: Approve PAR for the revision of a standard until December 2018

2.2.5 RevCom Recommendations

NEW

P802.3bj/Draft D3.2 (C/LM) Standard for Ethernet Amendment 2: Physical Layer Specifications and Management Parameters for 100 Gb/s Operation Over Backplanes and Copper Cables

Recommendation: APPROVE

P802.21c/Draft 7 (C/LM) Standard for Local and Metropolitan Area Networks – Part 21: Media Independent Handover Services – Amendment 3: Optimized Single Radio Handovers

Recommendation: APPROVE

P1716/Draft 2 (IAS/PCI) Recommended Practice for Managing Natural Disaster Impact on Key Electrical Systems and Installations in Petroleum and Chemical Facilities

Recommendation: APPROVE

P1861/Draft 5.2 (BOG/CAG) Guide for On-site Acceptance Tests of Electrical Equipment and System Commissioning of 1000 kV AC and Above

Recommendation: APPROVE

P2700/Draft D1a (EDS/MEMS) Standard for Sensor Performance Parameter Definitions

Recommendation: APPROVE

REVISION

P575/Draft 13 (PE/IC) Guide for Bonding Shields and Sheaths of Single-Conductor Power Cables Rated 5 kV through 500 kV

Recommendation: APPROVE

P802/Draft 2.0 (C/LM) Standard for Local and Metropolitan Area Networks: Overview and Architecture

Recommendation: APPROVE

P1685/Draft 5 (C/DA) Standard for IP-XACT, Standard Structure for Packaging, Integrating, and Reusing IP within Tool Flows

Recommendation: APPROVE

P65700-19-03/Draft d15 (PE/TR) Standard for Bushings for DC Application

Recommendation: APPROVE

PC95.7/Draft D11 (SASB/SCC39) Recommended Practice for Radio Frequency Safety Programs – 3 kHz to 300 GHz

Recommendation: APPROVE

3 Legal Update

Claire Topp, IEEE outside legal counsel, gave a verbal report.

Claire referred to material incorporated in her SASB New Member Orientation [presentation](#).

- IEEE is a 501(c)(3) organization
- SASB members have a fiduciary duty to the IEEE
 - Duty of Care
 - Duty of Loyalty
 - Duty of Obedience

4 IEEE-SA Managing Director's Report

Konstantinos Karachalios, IEEE-SA Managing Director, reported.

The slides for the report were distributed to the SASB Members during the meeting.

5 SASB Standing Committee Reports

5.1 Audit Committee ([AudCom](#))

Jean-Philippe Faure, AudCom Chair, reported.

There was a motion (from AudCom):

Recognize the IEEE Technical Activities Board/Technical Committee on RFID Standards Committee (TAB/CRFID), as an official Sponsor.

The motion was unanimously approved.

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

Yatin Trivedi, Acting ICCom Chair, reported.

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

Philip Winston, NesCom Chair, reported.

Philip thanked Dave Ringle for the assistance he provided as Acting NesCom Administrator from July 2013 – June 2014.

5.4 Patent Committee ([PatCom](#))

- Proposed Changes to the *IEEE-SA Standards Board Bylaws*

([clean version](#); [redline](#) versus current policy, [redline](#) versus draft 38)

- Proposed Changes to the IEEE-SA Patent Letter of Assurance (LOA) Form

([clean version](#); [redline](#) versus current LOA Form)

David Law, PatCom Chair, reported.

Konstantinos noted that the IEEE was the first SDO to conclude an MOU with a patent office (EPO) to improve the quality of patents in the field of standards, by formally engaging and sharing information between the two organizations. This engagement protects the original innovations submitted for inclusion in IEEE standards from imitation applications. Konstantinos stated also that the IEEE-SA needs to somehow define the concept of 'reasonable' in its patent policy, because right now it does not mean much. Thus, the effort by PatCom to conduct the patent policy review was necessary and timely.

David Law made a personal recommendation to have the SASB defer making any decisions on the patent policy changes being proposed by PatCom until the August SASB

meeting, to allow SASB members sufficient time to review draft 39. David also proposed that a joint session with SASB Members and PatCom Members be held during the August SASB meeting series. SASB Members would be encouraged to submit comments in advance to help facilitate the joint session.

The SASB Members concurred with the suggestion of holding a joint session with SASB Members and PatCom Members during the August SASB meeting series.

Chair Kulick stated that all comments and questions from SASB Members should be sent to [Dave Ringle](#) (PatCom Administrator) via email. This includes comments/questions that seek guidance from IEEE legal counsel.

Action Item: Chair Kulick will draft a letter to the SASB Members further outlining the commenting procedures and deadline.

5.5 Procedures Committee ([ProCom](#))

Jon Rosdahl, ProCom Chair, reported.

Public Domain

There was a motion (from ProCom):

Recommend that the SASB approve the *IEEE-SA Standards Board Operations Manual* changes noted below.

The motion was unanimously approved.

IEEE-SA Standards Board Operations Manual

6 Copyright, commercial terms and conditions, patents, and standard structure

6.1 Copyright

The IEEE owns the copyright of draft IEEE standards, approved IEEE standards, draft Industry Connections Work Products, and Work Products released or published by an Industry Connections activity (see 7.2 of the *IEEE-SA Standards Board Bylaws*).

Contributions made by participants in an IEEE-SA standards development or Industry Connections activity meeting, whether the contributions are Published or not, are subject to the IEEE-SA Copyright Policy set forth in Clause 7 of the *IEEE-SA Standards Board Bylaws*.

6.1.1 Project Authorization Request and Industry Connections Activity Initiation Document

6.1.1.1 Project Authorization Request (PAR)

At the time a PAR is submitted for approval, any known previously Published material **and/or Public Domain material** intended for inclusion in the proposed IEEE standard shall be identified on the PAR. The Working Group Chair is responsible for obtaining written permission to use all previously Published material prior to the start of the initial ballot or

prior to the next recirculation ballot if the excerpted material is inserted during comment resolution.

6.1.1.2 Industry Connections Activity Initiation Document (ICAID)

At the time an ICAID is submitted for approval, any known previously Published material **and/or Public Domain material** intended for inclusion in the proposed Industry Connections Work Product shall be identified on the ICAID. The Chair of an Industry Connections activity is responsible for obtaining written permission to use all previously Published material prior to inclusion of the material in an Industry Connections Work Product.

Publication of drafts

There was a motion (from ProCom):

Recommend that the SASB approve the *IEEE-SA Standards Board Operations Manual* changes noted below.

The motion was unanimously approved.

IEEE-SA Standards Board Operations Manual

8.2 Publication of drafts

Drafts of standards under development are normally distributed to members of the group involved in their generation (working group, subcommittee, etc.) for comment and letter ballot. The normal method for generating valid comments is to conduct a letter ballot of the working group or subcommittee.

All drafts, no matter how broad their circulation, shall be marked on the cover and elsewhere with the appropriate copyright and legal statements as defined in Clause 6.

When using the approved IEEE standards designation on a draft standard, the designation shall be structured, at a minimum, as "IEEE Pxxx/DXX," where "xxx" represents the specific designation and "XX" represents the specific draft version of that document. The date of the draft shall also be included. Any additional information (such as the draft chapters) may be included at the discretion of the working group. The draft designation shall appear on each page of the draft in the same location for the sake of continuity (for example, the upper right corner, the bottom right corner, etc.).

In projects of broad interest, it is sometimes useful to collect a broader spectrum of comments than that available within the working entity involved in the development of the draft. Although the practice is deprecated by the IEEE-SA Standards Board, a small number of IEEE committees publish such drafts for distribution either as separate documents or in Society Transactions. Publication, including electronic, hard copy, or other forms of distribution, shall be carefully controlled to avoid misunderstandings regarding the status of and legal responsibility for such documents (N.B. these documents must not be mistakenly regarded as IEEE standards). The following conditions shall be met for such publication:

- a) The document shall be marked according to Clause 6.
- b) The draft can be authorized for publication only by the IEEE Standards Department. Committees wishing to have their drafts published and distributed shall have their Sponsor contact the IEEE Standards Department.

A preferred alternative to this procedure is to process the document as a trial-use standard (see 5.7).

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

Ted Burse, RevCom Chair, reported.

Ted thanked Karen Evangelista, RevCom Administrator, for her support and he also complimented the myProject system tools for their aid in keeping the meetings smooth and timely.

6 Standards Coordinating Committee Reports

6.1 SCC Coordinator's Report

None.

6.2 Scheduled Reports Due in June

None.

Prior to the lunch break:

Don Wright, IEEE-SA Treasurer, and the IEEE-SA financial team staff thanked the SASB Members and other volunteers for all of their assistance with the rollout of the NetSuite financial reporting tool/process.

After the lunch break:

Robert Ivan, Digital Community Manager, discussed the [World Cup infographic](#).

7 [Proposal to Create](#) a New Type 2 SCC: Transportation

[Proposal](#)

Response [spreadsheet](#)

CS [response](#)

Yu Yuan reported.

Dick DeBlasio, SCC21 Chair, stated that there could be some overlap with SCC21.

Some SASB Members wanted additional dialog to occur with VTS, in an attempt to resolve any outstanding concerns or, at least, to better document the concerns.

As responses had not been received from all of the solicited Society/Council Presidents (who were given an 8 August response deadline), the SASB did not make any motions.

8 Liaison Reports

8.1 DOE Report

Dick DeBlasio gave a verbal update.

Item of interest:

- Funding Opportunities (FOA) = RFP
 - o Smart grid interoperability. Approximately \$6 million available.
 - o Microgrids. Approximately \$7 million available.

9 Informational Reports

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

Bruce Kraemer, IEEE-SA President Elect, reported in IEEE-SA President Karen Bartleson's absence.

9.2 CAG [Report](#)

Glenn Parsons, CAG Liaison, reported. Glenn thanked Mary Lynne Nielsen [Technology Initiatives Director] and Jim Hughes [CAG Chair] for their assistance in preparing the slides.

9.3 SASB Chair's [Report](#)

Chair Kulick reported.

9.3.1 [Beijing Outreach Events](#)

Bruce Kraemer and Walter Sun, Global Strategy Manager, reported.

Walter asked that SASB Members who are interested in Beijing outreach events to please send a current bio to him [via email](#).

10 Old Business

10.1 Sponsor Annual Financial Reporting

Juanita Lewis, Senior Manager – Business Operations and Administration, provided a verbal update.

Juanita stated that all financial reports for 2013 have been received. 96% of the identified volunteers have completed the NetSuite training. Juanita again thanked the SASB for its support.

Juanita noted that training webinars are in the pipeline to be developed.

10.2 ACTAD

Terry deCourcelle, Director – Global Affairs, reported.

ACTAD is a committee under the IEC SMB. A liaison relationship had been requested to be established to the IEEE-SA. At the April SPG meeting, staff was requested to work with PES should this go forward. PE/PSR was receptive to the idea. IEC still needs to take final action on its decision.

11 New Business

11.1 Compliance Training [Update](#)

Eileen Lach, IEEE General Counsel and Chief Compliance Officer, reported.

11.2 IEEE-SA Awards [Time-Specific: 9:15 a.m.]

Don Wright, IEEE-SA Awards & Recognition Committee (ArCom) Chair, gave a verbal update.

Don reminded attendees about the [IEEE-SA Awards Program](#), noting that nominations are still being sought. At present, nominations have not been received for the Corporate Award, the International Award, the Emerging Technology Award, and the SASB Distinguished Service Award.

All were asked to review the awards categories and to consider submitting a nomination for a deserving candidate. The deadline for nominations is 31 July.

12 Upcoming Meetings

12.1 The [next meeting](#) of the IEEE-SA Standards Board will be 21 August 2014 in Beijing, PRC.

13 SASB Resolutions

The SASB officially recognized the IEEE Technical Activities Board/Technical Committee on RFID Standards Committee, to be abbreviated as TAB/CRFID, as an official Sponsor.

14 Adjournment

There being no further business, the meeting was adjourned at 3:42 p.m.