

IEEE-SA Standards Board Meeting Minutes – August 2013

IEEE-SA Standards Board Meeting Minutes

23 August 2013

IEEE Operations Center, Piscataway, New Jersey, USA

9:00 a.m. – 4:00 p.m.

Attendees:

Chair:

John Kulick

Vice Chair:

David Law

Past Chair:

Rich Hulett

Secretary:

Konstantinos Karachalios

Members:

Peter Balma

Farooq Bari

Ted Burse

Wael Diab

Stephen Dukes [TAB Rep.]

Jean-Philippe Faure

Alex Gelman

Mark Halpin

Gary Hoffman

Paul Houzé

Jim Hughes

Michael Janezic

Oleg Logvinov

Ron Petersen

Gary Robinson

Jon Rosdahl

Adrian Stephens

Peter Sutherland

Yatin Trivedi

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Phil Winston
Yu Yuan

Joe Koepfinger, Member Emeritus
Dick DeBlasio, DOE Representative

Members Absent:

Masayuki Ariyoshi

IEEE Staff:

Joni Brennan
Matt Ceglia
Donna Ceruto
Terry deCourcelle
Chirag Desai
Karen Evangelista
Tricia Gerdon
Patrick Gibbons
Krista Gluchoski
Jodi Haasz
Mary Ellen Hanntz
Noelle Humenick
Soo Kim
Michael Kipness
Bob LaBelle
Brenda Mancuso
Karen McCabe
Adam Newman
Moirra Patterson
Lisa Perry
Walter Pienciak
Dave Ringle, Recording Secretary
Alpesh Shah
Erin Spiewak
Cherry Tom
Sue Vogel
Jim Wendorf
Joan Woolery
Shuang Yu
Malia Zaman

IEEE Outside Legal Counsel:

Claire Topp

Guests:

Chuck Adams
Changseok Bae
Dennis Brophy
John Egan
Rob Fish
Ben Johnson
Yong-Woon Kim
Bruce Kraemer
Hung Ling
Xiaohui Liu
Ted Olsen
Glenn Parsons
Sam Sciacca
Curtis Siller
Diego Vicentin
Phil Wennblom
Sangkeun Yoo

1 Call to Order

Chair Kulick called the meeting to order at 9:00 a.m. and welcomed all attendees.

There was a round of introductions by all present.

2 Agenda

2.1 Approval of [Agenda](#)

Chair Kulick noted that Item 10.1 would be taken out of order, and would occur after Item 4.

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

2.2 Consent Agenda

2.2.1 Approval of 14 June 2013 SASB Meeting [Minutes](#)

2.2.2 AudCom Recommendations

Accepted (standards work authorized):

- C/SS Computer Society/Storage Systems
- DEI/SC Dielectrics and Electrical Insulation Society/Standards Committee
- BOG/CAG IEEE-SA Board of Governors/Corporate Advisory Group

2.2.3 ICCom Recommendations

Activity Terminations

IC11-001-01 Future Directions for Nanonetworking:

http://standards.ieee.org/about/sasb/iccom/IC11-001-01_Future_Directions_for_Nanonetworking.pdf

2.2.4 NesCom Recommendations

Withdrawal Requests

IEEE Nuclear and Plasma Sciences Society/Nuclear Instruments and Detectors

PN42.31

Standard for Measurement Procedures for Resolution and Efficiency of Wide-Bandgap Semiconductor Detectors of Ionizing Radiation

Recommendation: Approve PAR withdrawal

IEEE-SASB Coordinating Committees/SCC14 – Quantities, Units, and Letter Symbols

P80000

Standard for Quantities and Units

Recommendation: Approve PAR withdrawal

Modified PARs

IEEE Consumer Electronics Society/Standards Committee

P1874

Standard for Documentation Schema for Repair and Assembly of Electronic Devices

Recommendation: Approve modified PAR

IEEE Industry Applications Society/Petroleum & Chemical Industry

P844.1

Standard for Skin Effect Trace Heating of Pipelines, Vessels, Equipment, and Structures – General, Testing, Marking, and Documentation Requirements

Recommendation: Approve modified PAR

P844.2

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

P844.3

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Standard for Impedance Heating of Pipelines, Vessels, Equipment, and Structures – General, Testing, Marking, and Documentation Requirements

Recommendation: Approve modified PAR

P60079-30-1

General and testing requirements

Recommendation: Approve modified PAR

P60079-30-2

Explosive Atmospheres – Part 30-2: Electrical resistance trace heating – Application guide for design, installation and maintenance

Recommendation: Approve modified PAR

IEEE Nanotechnology Council/Standards Committee

P62659

Standard for Large Scale Manufacturing of Nanoelectronics

Recommendation: Conditionally Approve modified PAR based upon 5.2, paragraph 2, sentence 2, being updated to 'This standard defines generic steps that are employed to facilitate the introduction of nanomaterials into the fabs.'

IEEE Power and Energy Society/Insulated Conductors

P386

Standard for Separable Insulated Connector Systems for Power Distribution Systems rated 2.5 kV through 35 kV

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Power System Relaying

PC37.119

Guide for Breaker Failure Protection of Power Circuit Breakers

Recommendation: Approve modified PAR

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

P62704-1

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

Recommendation: Approve modified PAR

P62704-2

Standard for Determining the Peak Spatial Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz – 6 GHz. Part 2: Specific Requirements for Finite Difference Time Domain (FDTD) Modeling of Exposure from Vehicle Mounted Antennas

Recommendation: Approve modified PAR

PC95.1-2345

Standard for Military Workplaces – Force Health Protection Regarding Personnel Exposure to Electric, Magnetic and Electromagnetic Fields, 0 Hz to 300 GHz

Recommendation: Approve modified PAR

Extension Requests

IEEE Computer Society/Information Assurance

P1619

Standard for Cryptographic Protection of Data on Block-Oriented Storage Devices

Recommendation: Approve request for an extension until December 2015

IEEE Computer Society/LAN/MAN Standards Committee

P802.11af

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: TV White Spaces Operation

Recommendation: Approve request for an extension until December 2014

IEEE Industry Applications Society/Petroleum & Chemical Industry

P45.8

Recommended Practice for Electrical Installations on Shipboard – Cable Systems

Recommendation: Approve request for an extension until December 2015

P1673

Standard for Requirements for Conduit & Cable Seals for Field Connected Wiring to Equipment in Petroleum and Chemical Industry Exposed to Pressures Above Atmospheric (1.5 kilopascals, 0.22 psi)

Recommendation: Approve request for an extension until December 2015

IEEE Industry Applications Society/Technical Books Coordinating Committee

P3002.2

Recommended Practice for Conducting Load-Flow Studies of Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2014

P3002.3

Recommended Practice for Conducting Short-Circuit Studies of Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2014

IEEE Power and Energy Society/Switchgear

P62271-37-013

High-Voltage Switchgear and Controlgear – Part 37-013: Alternating-current generator circuit-breakers

Recommendation: Approve request for an extension until December 2014

NEW PARs

IEEE Aerospace and Electronic Systems Society/Gyro Accelerometer Panel

P293-1969/Cor 1

Test Procedure for Single-Degree-of-Freedom Spring-Restrained Rate Gyros – Corrigendum 1: Table 1 Heading

Recommendation: Approve new PAR until December 2017

P529-1980/Cor 1

Supplement for Strapdown Applications to IEEE Standard Specification Format Guide and Test Procedure for Single-Degree-of-Freedom Rate-Integrating Gyros – Corrigendum 1: Torquer Performance, Model Equation and Axis Alignment

Recommendation: Defer recommendation of the new PAR until the 11 October 2013 Continuous Processing telecon to allow time to dialogue with the Sponsor regarding the inclusion of more specific information on the PAR.

IEEE-SA Board of Governors/Corporate Advisory Group

P2100.1

Standard Specifications for Wireless Power and Charging Systems

Recommendation: Approve new PAR until December 2017

IEEE Computer Society/LAN/MAN Standards Committee

P802.15.10

Recommended Practice for Routing Packets in 802.15.4 Dynamically Changing Wireless Networks

Recommendation: Approve new PAR until December 2017

IEEE Computer Society/Software & Systems Engineering Standards Committee

P26531

Systems and software engineering – Content management for product life-cycle, user, and service management documentation

Recommendation: Approve new PAR until December 2017

IEEE Computer Society/Standards Activities Board

P1622.3

Standard for Event Logging Data Interchange Format

Recommendation: Approve new PAR until December 2017

P1857a

Standard for Advanced Audio and Video Coding Amendment 1: Extension on timing and location information to support object tracking across multiple cameras at Surveillance High Group

Recommendation: Conditionally Approve new PAR until December 2017 contingent upon the Scope reverting to its original text.

IEEE Industry Applications Society/Petroleum & Chemical Industry

P844.4

Standard for Impedance Heating of Pipelines, Vessels, Equipment, and Structures – Application Guide for Design, Installation, Testing, Commissioning and Maintenance

Recommendation: Approve new PAR until December 2017

P844.5

Recommended Practice for the Design, Installation, Testing, Commissioning and Maintenance of Induction Heating Systems for Pipelines, Vessels, Equipment, Structures and Induction Susceptor Heating Furnaces

Recommendation: Approve new PAR until December 2017

IEEE Power and Energy Society/Power System Relaying

PC37.247

Standard for Phasor Data Concentrators for Power Systems

Recommendation: Approve new PAR until December 2017

PC37.248

Guide for Common Format for Naming Intelligent Electronic Devices (COMDEV)

Recommendation: Approve new PAR until December 2017

IEEE Power and Energy Society/Transformers

PC57.121a

Guide for Acceptance and Maintenance of Less Flammable Hydrocarbon Insulating Liquid in Transformers: Amendment a

Recommendation: Approve new PAR until December 2017

PC57.161

Guide for Dielectric Frequency Response Test

Recommendation: Approve new PAR until December 2017

PC57.162

Guide for the Interpretation of Moisture Related Parameters in Dry, Gas Insulated and Liquid Immersed Transformers and Reactors

Recommendation: Approve new PAR until December 2017

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

P1547.1a

Standard Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems Amendment 1

Recommendation: Approve new PAR until December 2017

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P1883

Recommended Practice for Electrical and Electro-Mechanical Bench Test Equipment (BTE) for Transit Rail Projects

Recommendation: Approve new PAR until December 2017

PARs for the Revision of Standards

IEEE-SA Board of Governors/Corporate Advisory Group

P1888

Standard for Ubiquitous Green Community Control Network Protocol

Recommendation: Approve PAR for the revision of a standard until December 2017

IEEE Power and Energy Society/Stationary Batteries Committee

P484

Recommended Practice for Installation Design and Installation of Vented Lead-Acid Batteries for Stationary Applications

Recommendation: Approve PAR for the revision of a standard until December 2017

IEEE Power and Energy Society/Transmission and Distribution

P1307

Standard for Fall Protection for Utility Work

Recommendation: Conditionally Approve PAR for the revision of a standard until December 2017 contingent upon the deletion of 'US' in item 5.6.

IEEE-SASB Coordinating Committees/SCC14 – Quantities, Units, and Letter Symbols

P945

Recommended Practice for Preferred Metric Units for Use in Electrical and Electronics Science and Technology

Recommendation: Defer recommendation of the PAR for the revision of a standard until the 11 October 2013 Continuous Processing telecon so that the WG Chair information can be entered on the PAR.

IEEE-SASB Coordinating Committees/SCC20 – Test and Diagnosis for Electronic Systems

P1636.2

Standard for Software Interface for Maintenance Information Collection and Analysis (SIMICA): Exchanging Maintenance Action Information via the Extensible Markup Language (XML)

Recommendation: Approve PAR for the revision of a standard until December 2017

2.2.5 RevCom Recommendations

NEW

P487.2/Draft 5 (PE/PSC) Standard for the Electrical Protection of Communication Facilities Serving Electric Supply Locations Through the Use of Optical Fiber Systems

Recommendation: APPROVE

P802.1AS-2011/Cor 1/Draft D3.1 (C/LM) Standard for Local and Metropolitan Area Networks – Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks – Corrigendum 1: Technical and Editorial Corrections

Recommendation: APPROVE

P802.3bk/Draft D3.1 (C/LM) Standard for Ethernet Amendment 1: Physical Layer Specifications and Management Parameters for Extended Ethernet Passive Optical Networks

Recommendation: APPROVE

P1363.3/Draft 9 (C/MSC) Standard for Identity-Based Cryptographic Techniques using Pairings

Recommendation: APPROVE

P1636.99/Draft 5 (SASB/SCC20) Standard for Software Interface for Maintenance Information Collection and Analysis (SIMICA): Common Information Elements

Recommendation: APPROVE

P1722.1/Draft 23 (C/MSC) Standard Device Discovery, Connection Management, and Control Protocol for IEEE 1722 Based Devices

Recommendation: APPROVE

P1730.1/Draft Dv3.2 (C/SI) Recommended Practice for Distributed Simulation Engineering and Execution Process (DSEEP) Multi-Architecture Overlay (DMAO)

Recommendation: APPROVE

P1857.2/Draft 3 (C/SAB) Standard for Advanced Audio Coding

Recommendation: APPROVE

P1888.1/Draft D5.0 (BOG/CAG) Standard for Ubiquitous Green Community Control Network: Control and Management

Recommendation: APPROVE

P15026-4/Draft IEEE P15026-4/Pub2-2012 (C/S2ESC) Standard for Adoption of ISO/IEC 15026-4:2012, Systems and Software Engineering-Systems and Software Assurance-Part 4: Assurance in the Life Cycle

Recommendation: APPROVE

P29119-1/Draft P29119-1-FDIS-Apr2013 (C/S2ESC) Standard for Software and Systems Engineering-Software Testing-Part 1: Concepts and Definitions

Recommendation: APPROVE

P29119-2/Draft P29119-2-FDISApr2013 (C/S2ESC) Software and Systems Engineering – Software Testing – Part 2: Test Process

Recommendation: APPROVE

P29119-3/Draft P29119-3-FDISApr2013 (C/S2ESC) Standard for Software and Systems Engineering – Software Testing – Part 3: Test Documentation

Recommendation: APPROVE

REVISION

P344/Draft 12 (PE/NPE) Standard for Seismic Qualification of Equipment for Nuclear Power Generating Stations

Recommendation: APPROVE

P463/Draft 463_D1+2 (IAS/PCI) Standard for Electrical Safety Practices in Electrolytic Cell Line Working Zones

Recommendation: APPROVE

P692/Draft 4d (PE/NPE) Standard Criteria for Security Systems for Nuclear Power Generating Stations

Recommendation: APPROVE

P1283/Draft 8 (PE/T&D) Guide for Determining the Effects of High Temperature Operation on Conductors, Connectors, and Accessories

Recommendation: APPROVE

P1636.1/Draft 6 (SASB/SCC20) Standard for Software Interface for Maintenance Information Collection and Analysis (SIMICA): Exchanging Test Results and Session Information via the eXtensible Markup Language (XML)

Recommendation: APPROVE

PC57.12.35/Draft D4 (PE/TR) Standard for Bar Coding for Distribution Transformers and Step-Voltage Regulators

Recommendation: APPROVE

3 Legal Update

None

4 IEEE-SA Managing Director's Report

Konstantinos Karachalios, IEEE-SA Managing Director, reported.

[Adam Newman](#), Senior Director – Alliance Management Services, was introduced. Adam briefly discussed his views on Alliance Management Services and stated that anyone interested in further information or discussion should contact him.

Alpesh Shah, Acting Senior Director – Business Development, was introduced. Alpesh briefly discussed some of the important objectives (e.g., diversified revenue mix, increase of IEEE’s global footprint, pipeline of new activities/opportunities, etc.) for the IEEE-SA.

Bruce Kraemer discussed IEEE and IT unification (history, rationale, recent meetings, and volunteer input).

Konstantinos noted the increasing importance of technology governance.

5 SASB Standing Committee Reports

5.1 Audit Committee ([AudCom](#))

Peter Balma, AudCom Chair, reported.

There was a motion:

Recognize the Voting Systems Standards Committee of the Computer Society, to be abbreviated as C/VSSC, as an official Sponsor, in accordance with IEEE-SASB Bylaws clause 5.2.2, bullet d).

The motion was approved. [Vote: Yes=21; No=0; Abstain=1 (Robinson)]

AI – Dave Ringle to initiate a 30-day SASB ballot on the proposed revisions to the baseline operating procedures.

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

Oleg Logvinov, ICCom Chair, reported.

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

Jon Rosdahl, NesCom Chair, reported.

5.4 Patent Committee ([PatCom](#))

David Law, PatCom Chair, reported.

5.5 Procedures Committee ([ProCom](#))

Jim Hughes, ProCom Chair, reported.

AI – Dave Ringle to initiate a 30-day SASB ballot on the proposed P&P changes RE: Appeals.

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

Ted Burse, RevCom Chair, reported.

6 Standards Coordinating Committee Reports

6.1 SCC Coordinator's [Report](#)

Ted Burse, SCC Coordinator, reported.

There was a motion:

Accept the submitted reports from SCC14, SCC18, and SCC20.

The motion was unanimously approved.

6.2 Scheduled Reports Due in August:

6.2.1 [SCC14](#) – Quantities, Units, and Letter Symbols (Jim Frysinger)

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

6.2.3 [SCC20](#) – Test and Diagnosis for Electronic Systems (Mike Seavey)

7 Ad Hoc Reports

7.1 IC Activities Policy Issues Ad Hoc [Report](#)

Wael Diab, IC Activities Policy Issues Ad Hoc Chair, reported.

There was general support for the work of the Ad Hoc.

Chair Kulick re-chartered the Ad Hoc.

7.2 Potential Scope Overlap between Different Sponsors for Proposed New PARs Ad Hoc [Report](#)

Mike Janezic, Potential Scope Overlap between Different Sponsors for Proposed New PARs Ad Hoc Chair, reported.

Chair Kulick re-chartered the Ad Hoc, with the expectation that a report with recommendations will be delivered for the December SASB meeting.

8 Liaison Reports

8.1 DOE Report

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This Item was taken after Item 8.2.

Dick DeBlasio, DOE Liaison, provided a verbal report.

Dick discussed the Energy Systems Integration Facility ([ESIF](#)), located at the National Renewable Energy Laboratory's campus in Golden, Colorado.

Dick noted the impending major revision of IEEE 1547, which will include distribution and transmission participants.

Dick also noted his attendance at a dinner event in San Diego that had renewable energy as its focus.

8.2 NIST [Report](#)

Mike Janezic, NIST Liaison, reported.

9 Informational Reports

9.1 CAG [Report](#)

Jim Hughes, CAG Liaison, reported.

9.2 SASB Chair's [Report](#)

Chair Kulick reported.

A 2015 Calendar Strategy Ad Hoc group was formed to review the draft 2015 calendar to be provided by staff, with the intent of offering suggestions to help produce an SASB schedule that includes increased non-U.S. meetings, a more balanced regional approach, and potentially fewer face-to-face meetings. All of these items are thought to better support the goal of greater global participation in the IEEE-SA. *[Ad Hoc group members: Chuck Adams, Terry deCourcelle, Wael Diab, Jean-Philippe Faure, Alex Gelman, Gary Hoffman, Bruce Kraemer, David Law, Oleg Logvinov, Dave Ringle, Jon Rosdahl, Yatin Trivedi, Phil Wennblom, and Yu Yuan]*

10 New Business

10.1 Overview of Korea's IoT Standardization

This Item was taken after Item 4.

Dennis Brophy, CAG IoT Steering Committee Chair, [reported](#).

Sangkeun Yoo, from the Protocol Engineering Center of ETRI, reported on [IoT in Korea](#).

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It was noted that a further meeting of interested parties was to occur at the conclusion of the SASB meeting.

11 Upcoming Meetings

11.1 The [next meeting](#) of the IEEE-SA Standards Board will be 11 December 2013 in Piscataway, New Jersey, USA.

12 SASB Resolutions

The SASB officially recognized the Voting Systems Standards Committee of the Computer Society, to be abbreviated as C/VSSC, as an official Sponsor, in accordance with IEEE-SASB Bylaws clause 5.2.2, bullet d).

13 Adjournment

There being no further business, the meeting was adjourned at 2:33 p.m.