

IEEE-SA Standards Board Meeting Minutes – August 2012

IEEE-SA Standards Board Meeting Minutes

30 August 2012

IEEE Operations Center, Piscataway, New Jersey, USA

9:00 a.m. – 4:00 p.m.

Attendees:

Chair:

Rich Hulett

Vice Chair:

John Kulick

Past Chair:

Bob Grow

Secretary:

Konstantinos Karachalios

Members:

Masayuki Ariyoshi

Peter Balma

William Bartley

Ted Burse

Clint Chaplin

Wael Diab

Jean-Philippe Faure

Alex Gelman, TAB Representative

Paul Houzé

Jim Hughes

David Law

Hung Ling

Oleg Logvinov

Ted Olsen

Gary Robinson

Jon Rosdahl

Mike Seavey

Yatin Trivedi

Phil Winston

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Yu Yuan

Dick DeBlasio, DOE Representative
Michael Janezic, NIST Representative

Members Absent:

Satish Aggarwal
Young Kyun Kim
Thomas Lee

Joe Koepfinger, Member Emeritus

IEEE-SA Staff:

Bill Ash
Kathryn Bennett
Matt Ceglia
Sri Chandra
Terry deCourcelle
Karen Evangelista
Tricia Gerdon
Patrick Gibbons
Krista Gluchoski
Jodi Haasz
Mary Ellen Hanntz
Yvette HoSang
Karen Kenney
Mike Kipness
Bob LaBelle
Juanita Lewis
Brenda Mancuso
Karen McCabe
Mary Lynne Nielsen
Moirra Patterson
Lisa Perry
Edward Rashba
Dave Ringle, Recording Secretary
Ana Sainvilus
Alpesh Shah
Erin Spiewak
Terry Steenweg
Walter Sun
Susan Tatiner
Cherry Tom
Sue Vogel
Jim Wendorf

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Joan Woolery
Lisa Yacone
Shuang Yu
Malia Zaman

IEEE Outside Legal Counsel:

Claire Topp

Guests:

Karen Bartleson
Dennis Brophy
Paul Eastman
Holly Elwood
Rob Fish
Joel Fleck
Gary Hoffman
Bruce Kraemer
Kevin Lu
Steve Mills
Bill Moncrief
Ron Petersen
Mel Sanders
Curtis Siller
Peter Sutherland
Jerry Thrasher
Don Wright

1 Call to Order

Chair Hulett 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 approved without objection.

2.2 Consent Agenda

2.2.1 Approval of 8 June 2012 SASB Meeting [Minutes](#)

2.2.2 AudCom Recommendations

Accepted (*standards work authorized*):

- PE/SB Power & Energy Society/Stationary Batteries Committee

AudCom recommends acceptance of the establishment of an additional Sponsor – Instrumentation and Measurement Society/Measurements in Power Systems TC39 (IM/MPS TC39) – operating under the currently approved Instrumentation and Measurement Society Policies and Procedures [which were accepted by the SASB on 25 March 2010].

2.2.3 NesCom Recommendations

Withdrawal Requests

IEEE Computer Society/Information Assurance

P2600.1

Standard for a Protection Profile for Hardcopy Devices in Std. 2600-2008 Operational Environment A

Recommendation: Approve PAR withdrawal

IEEE Computer Society/LAN/MAN Standards Committee

P802.1AXbq

IEEE Standard for Local and Metropolitan Area Networks – Link Aggregation Amendment: Distributed Resilient Network Interconnect

Recommendation: Approve PAR withdrawal

IEEE Microwave Theory and Techniques Society/Standards Coordinating Committee

P1787

Standard for High Frequency Characterization for Low Temperature Co-Fired Ceramic (LTCC) Materials

Recommendation: Approve PAR withdrawal

P1802

Standard for Coaxial Connector Identification

Recommendation: Approve PAR withdrawal

Modified PARs

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

P11073-10423

Standard for Health Informatics – Personal Health Device Communication – Device Specialization – Sleep Monitor

Recommendation: Approve modified PAR

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

PC62.39

Standard for Test Methods and Preferred Values for Self-Restoring Current Limiter Components Used in Telecommunication Surge Protection

Recommendation: Approve modified PAR

Extension Requests

IEEE Computer Society/LAN/MAN Standards Committee

P802.11ac

IEEE 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 Very High Throughput for Operation in Bands below 6 GHz

Recommendation: Approve request for an extension until December 2014

IEEE Computer Society/Microprocessor Standards Committee

P1788

Standard for Interval Arithmetic

Recommendation: Approve request for an extension until December 2014

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

P11073-10419

Standard for Health Informatics – Personal Health Device Communication – Device Specialization – Insulin Pump

Recommendation: Approve request for an extension until December 2014

IEEE Instrumentation and Measurement Society/TC4 – High Frequency Measurement

P378

Recommended Practice for Scattering Parameter Measurements and Uncertainty Analysis Using Network Analyzers

Recommendation: Approve an extension until December 2014

NEW PARs

IEEE Broadcast Technology Society/RF Techniques

P1875

Recommended Practice for Method of Measurement for Passive Intermodulation for Digital Television and FM In-Band-On-Channel Transmission Components

Recommendation: Approve new PAR until December 2016

IEEE Computer Society/LAN/MAN Standards Committee

P802.1AB-2009/Cor 1

IEEE Standard for Local and Metropolitan Area Networks – Station and Media Access Control Connectivity Discovery – Corrigendum 1: Technical and Editorial Corrections

Recommendation: Approve new PAR until December 2016

P802.3bm

IEEE Standard for Information Technology – Telecommunications and Information Exchange Between Systems – Local and Metropolitan Area Networks – Specific Requirements Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications Amendment: Physical Layer Specifications and Management Parameters for 40 Gb/s and 100 Gb/s Operation Over Fiber Optic Cables

Recommendation: Approve new PAR until December 2016

P802.3bn

IEEE Standard for Information Technology – Telecommunications and Information Exchange Between Systems – Local and Metropolitan Area Networks – Specific Requirements Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications Amendment: Physical Layer Specifications and Management Parameters for Ethernet Passive Optical Networks Protocol over Coax

Recommendation: Approve new PAR until December 2016

P802.11aj

IEEE 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 Very High Throughput to Support Chinese Millimeter Wave Frequency Bands

Recommendation: Approve new PAR until December 2016

P802.16.3

Standard for Mobile Broadband Network Performance Measurements

Recommendation: Approve new PAR until December 2016

P802.16q

IEEE Standard for Local and Metropolitan Area Networks Part 16: Air Interface for Broadband Wireless Access Systems Amendment for Multi-tier Networks

Recommendation: Approve new PAR until December 2016

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

P11073-10471a

IEEE Health Informatics – Personal Health Device Communication Part 10471: Device specialization – Independent Living Activity Hub Amendment

Recommendation: Approve new PAR until December 2016

IEEE Instrumentation and Measurement Society/TC39 Measurements in Power Systems

P1878

Standard for Measurements on Electric Power Systems: Uncertainty Evaluation and Expression

Recommendation: Approve new PAR until December 2016

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IEEE Microwave Theory and Techniques Society/Standards Coordinating Committee

P1785.2

Standard for Rectangular Metallic Waveguides and their Interfaces for Frequencies of 110 GHz and Above Part 2: Waveguide Interfaces

Recommendation: Approve new PAR until December 2016

P1785.3

Recommended Practice for Rectangular Metallic Waveguides and their Interfaces for Frequencies of 110 GHz and Above Part 3: Recommendations for Performance and Uncertainty Specifications

Recommendation: Approve new PAR until December 2016

IEEE Power and Energy Society/Electric Machinery

P56

Guide for Insulation Maintenance of Electric Machines

Recommendation: Approve new PAR until December 2016

P1719

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

Recommendation: Approve new PAR until December 2016

IEEE Power and Energy Society/Insulated Conductors

P835a

IEEE Standard Power Cable Ampacity Tables – Amendment 1: Revision to Introduction

Recommendation: Approve new PAR until December 2016

P1879

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

Recommendation: Approve new PAR until December 2016

IEEE Power and Energy Society/Substations

P1032

Guide for Protecting Transmission Static Var Compensators

Recommendation: Defer recommendation of new PAR to the 19 October 2012

NesCom Continuous Processing meeting

P1052

Guide for the Functional Specifications for Transmission Static Synchronous Compensator (STATCOM) Systems

Recommendation: Approve new PAR until December 2016

IEEE Power and Energy Society/Transformers

PC57.12.10-2010/Cor 1

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IEEE Standard Requirements for Liquid-Immersed Power Transformers – Corrigendum 1: Correction of Clause 5.1.9 Sudden Pressure Relay

Recommendation: Approve new PAR until December 2016

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

P1547a

Standard for Interconnecting Distributed Resources with Electric Power Systems – Amendment 1

Recommendation: Approve new PAR until December 2016

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

P1859

Standard for Relaxor-Based Single Crystals for Transducer and Actuator Applications

Recommendation: Approve new PAR until December 2016

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.3-2010/Cor 2

IEEE Standard for Wireless Access in Vehicular Environments (WAVE) – Networking Services – Corrigendum 2: Correct Identified Errors

Recommendation: Approve new PAR until December 2016

P1609.4-2010/Cor 1

IEEE Standard for Wireless Access in Vehicular Environments (WAVE) – Multi-Channel Operation – Corrigendum 1: Correct Identified Errors

Recommendation: Approve new PAR until December 2016

PARs for the Revision of Standards

IEEE Computer Society/LAN/MAN Standards Committee

P802.1Q

Standard for Local and metropolitan Area Networks – Media Access Control (MAC) Bridges and Virtual Bridged Local Area Networks

Recommendation: Approve PAR for the revision of a standard until December 2016

P802.11

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

Recommendation: Approve PAR for the revision of a standard until December 2016

IEEE Computer Society/Software & Systems Engineering Standards Committee

P23026

Systems and Software Engineering – Engineering and Management of Websites for Systems, Software, and Services Information

Recommendation: Approve PAR for the revision of a standard until December 2016

IEEE Power and Energy Society/Substations

P1264

Guide for Animal Deterrents for Electric Power Supply Substations

Recommendation: Approve PAR for the revision of a standard until December 2016

IEEE Power and Energy Society/Transformers

PC57.12.40

Standard for Network, Three-Phase Transformers, 2500 kVA and Smaller; High Voltage, 34 500 V and Below; Low Voltage, 600 V and Below; Subway and Vault Types (Liquid Immersed)

Recommendation: Approve PAR for the revision of a standard until December 2016

2.2.4 RevCom Recommendations

NEW

P802.1AC/Draft D2.1 (C/LM) Standard for Media Access Control (MAC) Service Definition

Recommendation: APPROVE

P802.16.1b/Draft D5 (C/LM) Standard for Wireless MAN-Advanced Air Interface for Broadband Wireless Access Systems – Amendment: Enhancements to Support Machine-to-Machine Applications

Recommendation: APPROVE

P802.16p/Draft D6 (C/LM) Standard for Air Interface for Broadband Wireless Access Systems Amendment: Enhancements to Support Machine-to-Machine Applications

Recommendation: APPROVE

P802.22.2/Draft D3 (C/LM) Recommended Practice for Information Technology – Telecommunications and Information Exchange Between Systems – Wireless Regional Area Networks (WRAN) – Specific Requirements – Part 22.2: Recommended Practice for the Installation and Deployment of IEEE 802.22 Systems

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Recommendation: APPROVE

P1609.12/Draft 7 (VT/ITS) Standard for Wireless Access in Vehicular Environments (WAVE) – Identifier Allocations

Recommendation: APPROVE

P1635/Draft 10 (PE/SB) Guide for the Ventilation and Thermal Management of Batteries for Stationary Applications

Recommendation: APPROVE

P1680.2/Draft D7 (C/EASC) Standard for Environmental Assessment of Imaging Equipment

Recommendation: APPROVE

[Note: P1680.2 was removed from the SASB Consent Agenda. See item 3.1]

P1680.3/Draft 7 (C/EASC) Standard for Environmental Assessment of Televisions

Recommendation: APPROVE

[Note: P1680.3 was removed from the SASB Consent Agenda. See item 3.2]

P1720/Draft 3 (APS/A) Recommended Practice for Near-Field Antenna Measurements

Recommendation: APPROVE

PC57.154/Draft 9.2 (PE/TR) Standard for the Design, Testing and Application of Liquid-Immersed Distribution, Power and Regulating Transformers Using High-Temperature Insulation Systems and Operating at Elevated Temperatures

Recommendation: APPROVE

PC62.50/Draft PC62.50_D7.2 (PE/SPDLV) Standard for Performance Criteria and Test Methods for Plug-in (Portable) Multiservice (Multiport) Surge-Protective Devices for Equipment Connected to a 120/240 V Single Phase Power Service and Metallic Conductive Communication Line(s)

Recommendation: APPROVE

REVISION

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P577/Draft D5 (PE/NPE) Standard Requirements for Reliability Analysis in the Design and Operation of Safety Systems for Nuclear Power Generating Stations

Recommendation: APPROVE

P802.3/Draft D3.2 (C/LM) Standard for Ethernet

Recommendation: APPROVE

P979/Draft 8 (PE/SUB) Guide for Substation Fire Protection

Recommendation: APPROVE

P1278.1/Draft 17 (C/SI) Standard for Distributed Interactive Simulation – Application Protocols

Recommendation: APPROVE

PC37.60/Draft 10 (PE/SWG) Standard for High-Voltage Switchgear and Controlgear – Part 111: Automatic Circuit Reclosers and Fault Interrupters for Alternating Current Systems Up to 38 kV

Recommendation: APPROVE

PC37.90.1/Draft 6.1 (PE/PSR) Standard Surge Withstand Capability (SWC) Tests for Relays and Relay Systems Associated with Electric Power Apparatus

Recommendation: APPROVE

REAFFIRMATION

95-2002 (R2007) (PE/EM) IEEE Recommended Practice for Insulation Testing of AC Electric Machinery (2300 V and Above) with High Direct Voltage

Recommendation: APPROVE

260.3-1993 (R2006) (SASB/SCC14) American National Standard Mathematical Signs and Symbols for Use in Physical Sciences and Technology

Recommendation: APPROVE

1210-2004 (PE/IC) IEEE Standard Tests for Determining Compatibility of Cable-Pulling Lubricants with Wire and Cable

Recommendation: DISAPPROVE

There was a motion to disapprove 1210-2004 and the remedy is to do a corrigendum.

2.2.5 Approval of Transfer of Oversight for TGDC Representative from SASB to C/SAB.

2.2.6 ICom Recommendations

Activity Terminations:

IC10-001-01 [Ethernet Wireline Bandwidth Needs](#)

Activity successfully completed.
(ICom recommendation 23 July 2012)

New Activity Approvals:

IC12-005-02 [Smart Energy Data Repository](#)

Entity-Based, No Sponsoring Committee
(ICom recommendation 28 August 2012)

3 Legal Update

None

3.1 P1680.2 [*Executive Session*]

3.2 P1680.3 [*Executive Session*]

Items 3.1 and 3.2 were discussed in Executive Session.
Executive Session began at 9:20 a.m. and ended at 10:45 a.m.

Deliberative body:

Masayuki Ariyoshi
Peter Balma
William Bartley
Ted Burse
Wael Diab
Alex Gelman
Bob Grow
Paul Houzé
Jim Hughes
Rich Hulett, Chair
John Kulick
Hung Ling

Oleg Logvinov
Ted Olsen
Gary Robinson
Jon Rosdahl
Mike Seavey
Yatin Trivedi
Phil Winston

Report Out:
P1680.2 and P1680.3 are approved.

4 IEEE-SA Managing Director's Report

Konstantinos Karachalios, IEEE-SA Managing Director, provided a verbal [report](#).

5 Old Business

6 SASB Standing Committee Reports

6.1 Audit Committee ([AudCom](#))

Ted Olsen, AudCom Chair, reported.

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

John Kulick, ICCom Chair, reported.

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

Jon Rosdahl, NesCom Chair, reported.

6.4 Patent Committee ([PatCom](#))

John Kulick, PatCom Chair, reported.

6.5 Procedures Committee ([ProCom](#))

Jim Hughes, ProCom Chair, reported.

AI – Dave Ringle to initiate a 30-day SASB ballot RE: SASB OpMan [JSA].

AI – Dave Ringle to provide SA OpMan recommended changes RE: External Representative to BOG.

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

David Law, RevCom Chair, reported.

7 Standards Coordinating Committee Reports
7.1 SCC Coordinator's [Report](#)

Ted Burse, SCC Coordinator, reported.

7.2 Scheduled Reports Due in August:

7.2.1 [SCC14](#) – Quantities, Units, and Letter Symbols (James Frysinger)

7.2.2 [SCC18](#) – National Fire Protection Association Standards ([Mel Sanders](#))

Mel Sanders, SCC18 Chair, reported. Chair Hulett thanked Mel and Sue Vogel for their efforts related to SCC18.

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

Mike Seavey, SCC20 Chair, reported.

Chair Hulett thanked Mel Sanders and Mike Seavey for presenting information related to their SCCs.

There was a motion to accept the submitted reports from SCC14, SCC18 and SCC20. The motion was approved without objection.

8 Ad Hoc Reports

8.1 Appeals P&P Ad Hoc [Report](#)

Ted Burse, Appeals P&P Ad Hoc Chair, reported.

AI – Dave Ringle to initiate a 30-day SASB ballot RE: SASB Bylaws and SASB OpMan [changes](#).

AI – Dave Ringle to provide SA OpMan recommended changes to BOG.

9 Liaison Reports

9.1 DOE Report

Dick DeBlasio, DOE Representative, provided a verbal report.

Dick reported that there is increasing interest by DOE and other agencies to address cyber security issues related to electric grid security and that the DOE NESCOR activity held a program meeting in September to address the issues confronting power systems and evaluated case studies. Dick recommended that the IEEE-SA be aware of a need to provide standards development in this area. He also mentioned that a workshop in May

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was held at the IEEE (Piscataway) addressing revision possibilities to IEEE 1547 [Interconnection of Distributed Generation to the grid] and that as a result of that workshop a PAR was approved today to update, through amendments, areas for voltage regulation and under frequency and voltage control. A full revision of 1547 is not due until 2018.

9.2 NIST [Report](#)

Michael Janezic, NIST Representative, reported.

10 Informational Reports

10.1 IEEE-SA President's Report

Steve Mills, IEEE-SA President, reported on open-stand.org.

10.2 CAG [Report](#)

Jim Hughes, CAG member, reported.

10.3 SASB Chair's Report

None.

11 New Business

11.1 IEEE-SA Marketing [Update](#)

Shuang Yu, Senior Manager-Solutions Marketing, provided an update.

11.2 Standards Education Committee (SEC) [Update](#)

David Law, Vice Chair-SEC, provided an update. Yatin Trivedi, Editor-in-Chief of the Standards Education [e-zine](#), assisted.

11.3 Information Exchange

Jon Rosdahl led discussion.

Goal: Review the IEEE-SA procedures and suggest appropriate changes, if needed, to clarify:

A. How to address sharing draft standards between entity-based WG and individual-based WG and

B. How to address voting in an entity project from an individual-based WG as a single vote

Chair Hulett formed an ad hoc to examine [item A](#).

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Ad Hoc composition:

Chair: Wael Diab

Members: Jean-Philippe Faure, Paul Houzé, Jim Hughes, John Kulick, David Law, Ted Olsen, Jon Rosdahl, Matt Ceglia, Tricia Gerdon, Noelle Humenick, Mary Lynne Nielsen, and Dave Ringle

12 [Next Meeting](#)

The next meeting of the IEEE-SA Standards Board will be 5 December 2012 in Piscataway, NJ, USA.

13 **SASB Resolutions**

None.

14 **Adjournment**

There being no further business, the meeting was adjourned at 3:39 p.m.