

IEEE-SA STANDARDS BOARD MEETING MINUTES

30 September 2010

Berlin, Germany

9:00 a.m. – 4:00 p.m.

Attendees:

Chair:

Bob Grow

Past Chair:

Steve Mills

Vice Chair:

Rich Hulett

Secretary:

Judith Gorman

Members:

Karen Bartleson

Clint Chaplin

Alex Gelman, TAB Representative

Jim Hughes

John Kulick

David Law

Hung Ling

Oleg Logvinov

Ron Petersen

Tom Prevost

Jon Rosdahl

Sam Sciacca

Curtis Siller

Don Wright

Michael Janezic, NIST Representative

Satish Aggarwal, NRC Representative

Members Absent:

Victor Berman

Ted Burse

Andy Drozd

Young Kyun Kim

Ted Olsen

Mike Seavey

Dick DeBlasio, DOE Representative
Joseph Koepfinger, Member Emeritus

Staff:

Terry deCourcelle
Mary Ellen Hanntz
Yvette HoSang (via phone, part time)
Karen Kenney
Bob LaBelle
Karen McCabe
Mary Lynne Nielsen (via phone, part time)
Maira Patterson
Dave Ringle, Recording Secretary
Susan Tatiner
Sue Vogel
Lisa Yacone

IEEE Outside Legal Counsel:

Michael Lindsay (via phone, part time)
Claire Topp

Guests:

Chuck Adams
Ghaleb Al Dandan
Masayuki Ariyoshi
William Bartley
Jean-Pierre Beaudet
Ralf Bodemann
Carole Carey
Giulio Ceccarini
Wael Diab
Jean-Philippe Faure
Matthias Gommel
Paul Houzé
F. Javier Hurtado-Albir
Hermann Koch
Bruce Kraemer
Thomas Lee
Peter Linnert
Benito Palumbo
Glenn Parsons
Markus Reigl
Ingo Ruesch
Geoff Thompson
Thomas Wegmann
Howard Wolfman

1 Call to Order

Chair Grow called the meeting to order at 9:05 a.m.

1.1 Welcome

Markus Reigl, Siemens Corporate Standards, gave a presentation (Opening Notes) titled ‘Standardization – What it Takes!’

Jean-Pierre Beaudet, Siemens Power Transmission Strategy, gave a presentation titled ‘Siemens Energy Sector’.

Chair Grow presented a plaque to Hermann Koch (on behalf of Siemens), thanking Siemens for its outstanding support of the SASB meeting series in Berlin.

2 Agenda

2.1 Approval of Agenda

PC37.105 [RevCom recommendations] was removed from the Consent Agenda and added as agenda item 5.1.1.

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

{Please see the linked agenda for the presentations given during the SASB meeting.}

There was a round of introductions by all present.

2.2 Consent Agenda

2.2.1 AudCom Recommendations

Accepted (*standards work authorized*):

- SASB/SCC41 – Dynamic Spectrum Access Networks

Visibly Under Development (*standards work authorized*):

- EMB/SDCom – Engineering in Medicine and Biology Society/Standards Committee
- PE/SB – Power and Energy Society/Stationary Batteries

Remain Visibly Under Development (*standards work authorized*):

- AES/GA – Aerospace and Electronic Systems Society/Gyro Accelerometer Panel
- CES/SC – Consumer Electronics Society/Standards Committee
- EMC/SDCom – Electromagnetic Compatibility Society/Standards Development Committee
- NPS – Nuclear and Plasma Sciences Society
- SASB/SCC31 – Automatic Meter Reading and Energy Management
- VT/RTSC – Vehicular Technology Society/Rail Transportation Standards Committee

2.2.2 NesCom Recommendations

Withdrawal Requests

IEEE Computer Society/Test Technology

P1532-2002/Cor 1

IEEE Standard for In-System Configuration of Programmable Devices – Corrigendum 1

Recommendation: Approve PAR withdrawal

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

P1696

Standard for Terminology and Test Methods for Circuit Probes

Recommendation: Approve PAR withdrawal

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

PC62.82.2

Guide for the Application of Insulation Coordination

Recommendation: Approve PAR withdrawal

IEEE Power and Energy Society/Transmission and Distribution

P1453

Recommended Practice for Measurement and Limits of Voltage Fluctuations and Associated Light Flicker on AC Power Systems

Recommendation: Approve PAR withdrawal

P1695

Trial-Use Guide for Assessing Voltages at Publicly and Privately Accessible Locations

Recommendation: Approve PAR withdrawal

Modified PARs

IEEE Computer Society/Simulation Interoperability Stds Organization/Stds Activities Committee

P1278.1

Standard for Distributed Interactive Simulation – Application Protocols

Recommendation: Approve modified PAR until December 2011

IEEE Communications Society/Standards Committee

P1901

Standard for Broadband over Power Line Networks: Medium Access Control and Physical Layer Specifications

Recommendation: Approve modified PAR until December 2011

IEEE Power and Energy Society/Energy Development & Power Generation

P807

Recommended Practice for Unique Identification in Hydroelectric Facilities

Recommendation: Approve modified PAR until December 2010

IEEE Power and Energy Society/Nuclear Power Engineering

P1682

Standard for Qualifying Fiber Optic Cables, Connections, and Optical Fiber Splices for Use in Safety Systems of Nuclear Power Generating Stations

Recommendation: Approve modified PAR until December 2011

IEEE Power and Energy Society/Power System Relaying

PC37.239

Standard for Common Format for Event Data Exchange (COMFEDE) for Power Systems

Recommendation: Approve modified PAR until December 2012

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

PC62.37.1

Guide for the Application of Thyristor Surge Protective Device Components

Recommendation: *Defer PAR to October continuous processing agenda due to lack of response to comments*

IEEE Power and Energy Society/Substations

P1711

Trial Use Standard for a Cryptographic Protocol for Cyber Security of Substation Serial Links

Recommendation: *Approve modified PAR until December 2011*

IEEE Power and Energy Society/Switchgear

PC37.10

Guide for Investigation, Analysis and Reporting of Power Circuit Breaker Failures

Recommendation: *Approve modified PAR until December 2013*

PC37.30.1

Standard Requirements for High Voltage Air Switches for Alternating Current, Rated Above 1,000 Volts

Recommendation: *Approve modified PAR until December 2010*

IEEE Power and Energy Society/Transformers

PC57.91

Guide for Loading Liquid Immersed Transformers and Voltage Regulators

Recommendation: *Approve modified PAR until December 2010*

PC57.148

Standard for Control Cabinets for Power Transformers

Recommendation: *Approve modified PAR until December 2010*

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.11

Standard for Wireless Access in Vehicular Environments (WAVE) – Over-the-Air Electronic Payment Data Exchange Protocol for Intelligent Transportation Systems (ITS)

Recommendation: *Approve modified PAR until December 2012*

Extension Requests

IEEE Computer Society/LAN/MAN Standards Committee

P802.1AC

Standard for Media Access Control (MAC) Service Definition

Recommendation: *Approve request for an extension until December 2012*

P802.1AS

Standard for Local and Metropolitan Area Networks – Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks

Recommendation: *Approve for a one year extension until December 2011*

P802.11s

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: Mesh Networking

Recommendation: Approve request for an extension until December 2011

IEEE Computer Society/Learning Technology

P1484.13.1

Standard for Learning Technology – Conceptual Model for Resource Aggregation for Learning, Education, and Training

Recommendation: Approve request for an extension until December 2011

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

P1658

Standard for Terminology and Test Methods of Digital-to-Analog Converter Devices

Recommendation: Approve request for an extension until December 2011

IEEE Power and Energy Society/Insulated Conductors

P1143

Guide on Shielding Practice for Low Voltage Cables

Recommendation: Approve request for an extension until December 2012

P1300

Guide for Cable Connections for Gas Insulated Substations

Recommendation: Approve request for an extension until December 2011

IEEE Power and Energy Society/Power System Relaying

PC37.236

Guide for Power System Protective Relay Applications over Digital Communication Channels

Recommendation: Approve for a one year extension until December 2011

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 request for an extension until December 2011

IEEE Power and Energy Society/Substations

P80

Guide for Safety in AC Substation Grounding

Recommendation: Approve request for an extension until December 2012

IEEE Power and Energy Society/Switchgear

PC37.30.1

Standard Requirements for High Voltage Air Switches for Alternating Current, Rated Above 1,000 Volts

Recommendation: Approve request for an extension until December 2011

IEEE Power and Energy Society/Transmission and Distribution

P1250

Guide for Identifying and Improving Voltage Quality in Power Systems

Recommendation: Approve request for an extension until December 2011

IEEE Power and Energy Society/Transformers

PC57.148

Standard for Control Cabinets for Power Transformers

Recommendation: Approve request for an extension until December 2011

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

P1232

Standard for Artificial Intelligence Exchange and Service Tie to All Test Environments (AI-ESTATE)

Recommendation: Approve request for an extension until December 2011

New PARs

IEEE Computer Society/Environmental Assessment of Standards Committee

P1680.4

Standard for Environmental Assessment of Servers

Recommendation: Approve new PAR until December 2014

P1680.5

Standard for Environmental Assessment of Mobile Devices

Recommendation: Approve new PAR until December 2014

IEEE Computer Society/LAN/MAN Standards Committee

P802.11ah

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- Sub 1 GHz License-Exempt Operation

Recommendation: Approve new PAR until December 2014

P802.16p

Amendment to Standard for Local and Metropolitan Area Networks – Part 16: Air Interface for Broadband Wireless Access Systems – Enhancements to Support Machine-to-Machine Applications

Recommendation: Approve new PAR until December 2014

IEEE Computer Society/Software & Systems Engineering Standards Committee

P15026-3

Standard for Systems and Software Engineering – Systems and Software Assurance – Part 3: System Integrity Levels

Recommendation: Approve new PAR until December 2014

IEEE Computer Society/Test Technology

P1851

Standard for Design Criteria of Integrated Sensor-based Test Applications for Household Appliances

Recommendation: Approve new PAR until December 2014

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

P1696

Standard for Terminology and Test Methods for Circuit Probes

Recommendation: Conditionally approve new PAR until December 2014 contingent upon changing the wording of the Scope and Purpose to present tense

IEEE Power and Energy Society/Power System Relaying

PC37.242

IEEE-SA Standards Board Meeting Minutes

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Guide for Synchronization, Calibration, Testing, and Installation of Phasor Measurement Units (PMU) for Power System Protection and Control

Recommendation: Approve new PAR until December 2014

PC37.243

Guide for Application of Digital Line Current Differential Relays Using Digital Communication

Recommendation: Approve new PAR until December 2014

IEEE Power and Energy Society/Stationary Batteries Committee

P1188a

Recommended Practice for Maintenance, Testing, and Replacement of Valve-Regulated Lead-Acid (VRLA) Batteries for Stationary Applications; Updated VRLA Maintenance Considerations

Recommendation: Defer PAR to October continuous processing agenda due to edits needed in Purpose clause

IEEE Power and Energy Society/Substations

PC37.2a

Standard Electrical Power System Device Function Numbers, Acronyms, and Contact Designations: Amendment to Device 7 Definition and to Device 16 Suffix Letter Usage, Revision of One and Addition of New Acronyms

Recommendation: Approve new PAR until December 2014

IEEE Power and Energy Society/Transmission and Distribution

P430

Standard Procedures for the Measurement of Radio Noise from Overhead Power Lines and Substations

Recommendation: Approve new PAR until December 2014

P1453

Recommended Practice for Measurement and Limits of Voltage Fluctuations and Associated Light Flicker on AC Power Systems

Recommendation: Approve new PAR until December 2014

P1695

Trial-Use Guide for Assessing Voltages at Publicly and Privately Accessible Locations

Recommendation: Approve new PAR until December 2014

P1829

Guide for Conducting Corona Tests on Hardware for Overhead Transmission Lines and Substations

Recommendation: Approve new PAR until December 2014

IEEE Power and Energy Society/Transformers

PC57.13.7

Standard for Current Transformers with a Maximum mA Secondary Current of 250mA

Recommendation: Approve new PAR until December 2014

PC57.13-2008/Cor 1

Standard Requirements for Instrument Transformers – Corrigendum 1: Figure 3 Correction

Recommendation: Approve new PAR until December 2014

IEEE Reliability Society/IEEE Reliability

P61014

Standard for Programmes for Reliability Growth

Recommendation: Conditionally approve new PAR until December 2014 contingent upon 'U.S.' being added in front of 'Department of Defense' in 5.5

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

P2030.2

Guide for the Interoperability of Energy Storage Systems Integrated with the Electric Power Infrastructure

Recommendation: Approve new PAR until December 2014

PARs for the Revision of Standards

IEEE Computer Society/LAN/MAN Standards Committee

P802.15.4

Standard for Information Technology – Telecommunications and Information Exchange Between Systems – Local and Metropolitan Area Networks – Specific Requirements – Part 15.4: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Low Rate Wireless Personal Area Networks (WPANs)

Recommendation: Approve PAR for the revision of a standard until December 2014

IEEE Power and Energy Society/Power System Relaying

PC37.114

Guide for Determining Fault Location on AC Transmission and Distribution Lines

Recommendation: Approve PAR for the revision of a standard until December 2014

IEEE Power and Energy Society/Substations

P1527

Recommended Practice for the Design of Buswork Located in Seismically Active Areas

Recommendation: Approve PAR for the revision of a standard until December 2014

IEEE Power and Energy Society/Transmission and Distribution

P738

Standard for Calculating the Current-Temperature of Bare Overhead Conductors

Recommendation: Defer to October continuous processing agenda due to lack of response to comments

P1283

Guide for Determining the Effects of High Temperature Operation on Conductors, Connectors, and Accessories

Recommendation: Approve PAR for the revision of a standard until December 2014

IEEE Power and Energy Society/Transformers

PC57.12.28

Standard for Pad Mounted Equipment – Enclosure Integrity

Recommendation: Approve PAR for the revision of a standard until December 2014

PC57.12.29

Standard for Pad Mounted Equipment – Enclosure Integrity for Coastal Environments

Recommendation: Approve PAR for the revision of a standard until December 2014

PC57.136

Guide for Sound Level Abatement and Determination for Liquid-Immersed Power Transformers and Shunt Reactors Rated over 500 kVA

Recommendation: Approve PAR for the revision of a standard until December 2014

2.2.3 RevCom Recommendations

NEW

P802.1Qat/D6.1 (C/LM) IEEE Standard for Local and Metropolitan Area Networks – Virtual Bridged Local Area Networks Amendment: Stream Reservation Protocol (SRP)

Recommendation: APPROVE

P802.3az/D3.2 (C/LM) 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: Media Access Control Parameters, Physical Layers and Management Parameters for Energy-Efficient Ethernet

Recommendation: APPROVE

P802.11z/D13.0 (C/LM) 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 7: Extensions to Direct Link Setup (DLS)

Recommendation: APPROVE

P802.22.1/D8 (C/LM) Standard to Enhance Harmful Interference Protection for Low Power Licensed Devices Operating in TV Broadcast Bands

Recommendation: APPROVE

P1597.2/D7.2 (EMC/SDCom) Recommended Practice for Validation of Computational Electromagnetics Computer Modeling and Simulations

Recommendation: APPROVE

P1619.2/D16 (C/IA) Standard for Wide-Block Encryption for Shared Storage Media

Recommendation: APPROVE

P1636.2/D5.2 (SASB/SCC20) Standard for Software Interface for Maintenance Information Collection and Analysis (SIMICA): Exchanging Maintenance Action Information via the Extensible Markup Language (XML)

Recommendation: APPROVE

P1651/D8 (PE/T&D) Guide for Reducing Bird-Related Outages

Recommendation: APPROVE

P1656/D10 (PE/T&D) Guide for Testing the Electrical, Mechanical, and Durability Performance of Wildlife Protective Devices on Overhead Power Distribution Systems Rated up to 38 kV

Recommendation: APPROVE

P1901/D4.01 (COM/SC) Standard for Broadband over Power Line Networks: Medium Access Control and Physical Layer Specifications

Recommendation: Conditionally approve

There was a motion to conditionally approve P1901 conditional on SASB approval of the modified PAR.

P3007.2/D2 (IAS/TBCC) Recommended Practice for the Maintenance of Industrial and Commercial Power Systems

Recommendation: APPROVE

P11073-10421/D11 (EMB/11073) Health Informatics – Personal Health Device Communication – Device Specialization – Peak Expiratory Flow Monitor (Peak Flow)

Recommendation: APPROVE

P11073-20601a/D31 (EMB/11073) Health Informatics – Personal Health Device Communication – Part 20601: Application Profile – Optimized Exchange Protocol Amendment 1

Recommendation: APPROVE

PC37.017/D6 (PE/SWG & PE/SUB) Standard for Bushings for High Voltage (Over 1000 Volts AC) Circuit Breakers and Gas Insulated Switchgear

Recommendation: APPROVE

PC37.239/D0.5 (PE/PSR) Standard for Common Format for Event Data Exchange (COMFEDE) for Power Systems

Recommendation: Conditionally approve

There was a motion to conditionally approve PC37.239 conditional on the modified PAR being approved by SASB.

PC57.12.10/D5.3 (PE/TR) Standard Requirements for Liquid-Immersed Power Transformers

Recommendation: APPROVE

REVISION

P114/D1 (IAS/EM) Standard Test Procedure for Single-Phase Induction Motors

Recommendation: APPROVE

P356/D8 (APS/P) Guide for Measurements of Electromagnetic Properties of Earth Media

Recommendation: APPROVE

P497/D3 (PE/NPE) Standard Criteria for Accident Monitoring Instrumentation for Nuclear Power Generating Stations

Recommendation: APPROVE

P977/D3 (PE/T&D) Guide to Installation of Foundations for Transmission Line Structures

Recommendation: APPROVE

P1036/D16rev3 (PE/T&D) Guide for the Application of Shunt Power Capacitors

Recommendation: APPROVE

P1185/D12 (PE/IC) Recommended Practices for Cable Installation in Generating Stations and Industrial Facilities

Recommendation: Conditionally approve

There was a motion to conditionally approve this conditional on a satisfactory legal review.

P1410/D7 (PE/T&D) Guide for Improving the Lightning Performance of Electric Power Overhead Distribution Lines

Recommendation: APPROVE

P1505/D8 (SASB/SCC20) Standard for Receiver Fixture Interface

Recommendation: APPROVE

P1580/D4 (IAS/PCI) Recommended Practice for Marine Cable for use on Shipboard and Fixed or Floating Facilities

Recommendation: APPROVE

P1609.3/D9 (VT/ITS) Standard for Wireless Access in Vehicular Environments (WAVE) – Networking Services

Recommendation: APPROVE

P1609.4/D9 (VT/ITS) Standard for Wireless Access in Vehicular Environments (WAVE) – Multi-Channel Operation

Recommendation: APPROVE

P1671/D14 (SASB/SCC20) Standard for Automatic Test Markup Language (ATML) for Exchanging Automatic Test Equipment and Test Information via XML

Recommendation: APPROVE

P1730/D5 (C/SI) Recommended Practice for Distributed Simulation Engineering and Execution Process

Recommendation: APPROVE

PC37.105/D12 (PE/PSR) Standard for Qualifying Class 1E Protective Relays and Auxiliaries for Nuclear Power Generating Stations

Recommendation: APPROVE

PC37.122/D19 (PE/SUB) Standard for High Voltage Gas-Insulated Substations Rated Above 52 kV

Recommendation: APPROVE

PC57.12.80/D6 (PE/TR) Standard Terminology for Power and Distribution Transformers

Recommendation: APPROVE

REAFFIRMATION

67-2005 (PE/EM) IEEE Guide for Operation and Maintenance of Turbine Generators

Recommendation: APPROVE

517-1974 (R2005) (AES/GA) IEEE Standard Specification Format Guide and Test Procedure for Single-Degree-of-Freedom Rate-Integrating Gyros

Recommendation: APPROVE

529-1980 (R2005) (AES/GA) Supplement for Strapdown Applications to IEEE Standard Specification Format Guide and Test Procedure for Single-Degree-of-Freedom Rate-Integrating Gyros

Recommendation: APPROVE

539-2005 (PE/T&D) IEEE Standard Definitions of Terms Relating to Corona and Field Effects of Overhead Power Lines

Recommendation: APPROVE

643-2004 (PE/PSC) IEEE Guide for Power-Line Carrier Applications

Recommendation: APPROVE

802.15.1-2005 (C/LM) IEEE Standard for Information Technology – Telecommunications and information Exchange Between Systems – Local and Metropolitan Area Networks – Specific Requirements Part 15.1: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Wireless Personal Area Networks (WPANs)

Recommendation: APPROVE

1082-1997 (R2003) (PE/NPE) IEEE Guide for Incorporating Human Action Reliability Analysis for Nuclear Power Generating Stations

Recommendation: APPROVE

1308-1994 (R2001) (PE/T&D) IEEE Recommended Practice for Instrumentation: Specifications for Magnetic Flux Density and Electric Field Strength Meters – 10 Hz to 3 kHz

Recommendation: APPROVE

1484.11.1-2004 (C/LT) IEEE Standard for Learning Technology – Data Model for Content Object Communication

Recommendation: APPROVE

1623-2004 (PE/SUB) IEEE Guide for the Functional Specification of Medium Voltage (1 kV~35 kV) Electronic Shunt Devices for Dynamic Voltage Compensation

Recommendation: APPROVE

11073-30200-2000 (EMB/11073) Health Informatics – Point-of-Care Medical Device Communication – Part 30200: Transport Profile - Cable Connected

Recommendation: APPROVE

C37.93-2004 (PE/PSR) IEEE Guide for Power System Protective Relay Applications of Audio Tones over Voice Grade Channels

Recommendation: APPROVE

C50.12-2005 (PE/EM) IEEE Standard for Salient-Pole 50 Hz and 60 Hz Synchronous Generators and Generator/Motors for Hydraulic Turbine Applications Rated 5 MVA and Above

Recommendation: APPROVE

C50.13-2005 (PE/EM) IEEE Standard for Cylindrical-Rotor 50 Hz and 60 Hz Synchronous Generators Rated 10 MVA and Above

Recommendation: APPROVE

2.2.4 Approval of 1 Invited Expert for P828 Sponsor Ballot

Alastair Walker

2.2.5 Approval of 3 Invited Experts for P1528 Sponsor Ballot

Josette Gallant

Jafar Keshvari

Kwang Soo Park

3 Legal Update

None.

4 Old Business

4.1 The minutes of the 17 June 2010 meeting were approved on 26 July 2010.

4.2 1900.4 Working Group/SCC41 Update

Mary Lynne Nielsen attended via phone for agenda items 4.2 and 4.3.

June 2010 SASB Resolution: The SASB delegates to the Oversight Committee approval of a waiver of the requirement that the interim chair of the 1900.4 WG be an entity member.

Following the waiver approved by the SASB in June, the 1900.4 WG held a meeting on 6-9 July in Delft, Netherlands, with an interim chair. Members of the Oversight Committee attended this meeting to observe and assist the WG. At the Delft meeting, SCC41 approved new P&Ps, which have subsequently been recommended for approval by AudCom. Also at the Delft meeting, the membership decided to move P1900.4a to Sponsor ballot. Several candidates have been identified from within the 1900.4 WG for the chair position. These candidates are currently being reviewed by the Oversight Committee. ComSoc has expressed interest in becoming a Sponsor for SCC41's work.

Alex Gelman discussed the possibility of transferring the DYSPAN projects to ComSoc and a proposed restructuring of ComSoc standards activities that would support the new work. A formal proposal is expected to be brought to SCC41 at its December meeting. The SASB noted that EMC needs to be informed of this pending activity and possible direction.

Next Steps: Recommend that the 1900.4 WG be instructed to designate the entire WG as the comment resolution committee for P1900.4a. Continue to work with the SCC41 chair to review identified candidates for permanent chair of the 1900.4 WG.

There was a motion: Move that the SASB instructs the 1900.4 WG to designate the entire WG as the comment resolution committee for P1900.4a. The motion was unanimously approved.

4.3 Corporate Influence Ad Hoc Report

The motion that was Postponed from the June SASB meeting:

Move that the IEEE-SA Standards Board recommend to the IEEE-SA Board of Governors that

- *IEEE-SA membership is required for all entities that support participation of individuals in the IEEE standards development process*
- *A no-cost IEEE-SA individual membership is required for all IEEE standards development participants*
- *The SASB Corporate Influence Ad Hoc proceed with the development of a detailed proposal*

Comments received after the June meeting:

- Concern with participation in SA individual projects if motion enacted
- Utility participation in PES standards
- Financial hardship issues

The ad hoc met in September to consider the concerns.

Ad Hoc questions for the SASB:

- Are there any issues with requiring an affiliated entity membership to participate in SA individual standards projects?
 - Are there any issues with requiring SA individual membership for all participants in individual projects?
- [Note: BOG makes ultimate decisions on membership requirements and costs.]

Discussion noted:

- Possible approval issues within certain organizations (municipalities)
- A potential decrease in participation due to entities that would have ‘philosophical’ issues with such a model
- This proposal should be shared with the CAG

A substitute motion (to the June motion) was made:

Move that the IEEE-SA Standards Board recommend to the IEEE-SA Board of Governors that

- *IEEE-SA membership is required for all entities that support participation of individuals in the IEEE standards development process*
- *IEEE-SA individual membership is required for all individuals participating in the IEEE individual standards development process*

There was a question on the definition of ‘support’ in the motion.

Upon vote, the motion failed [Vote: Y=5; N=10].

The ad hoc is to continue.

AI – Add Sam Sciacca and Tom Prevost to the ad hoc.

5 SASB Standing Committee Reports

5.1 Standards Review Committee (RevCom)

David Law, RevCom Chair, reported.

5.1.1 PC37.105

RevCom recommendation: APPROVE

Geoff Thompson discussed his concerns with the submittal made to RevCom and how comment handling occurred.

There was a motion to accept the RevCom recommendation. The motion was unanimously approved.

5.2 New Standards Committee (NesCom)

Tom Prevost, NesCom Chair, reported.

5.3 Procedures Committee (ProCom)

Rich Hulett, ProCom Chair, reported.

P&P changes for vote at the SASB meeting:

Bylaws – Membership (Entity Method):

Motion from ProCom to Approve.

The motion was unanimously approved by the SASB.

5.2.1.2 Membership requirements for standards developed under the entity method

Chairs-Officers of IEEE standards working groups developing standards under the entity method shall be representatives of Advanced Entity Members of the IEEE-SA members. Designees (those designated to manage the Sponsor ballot) in the IEEE Standards Sponsor entity ballot process shall be representatives of Advanced Entity Members-IEEE-SA members.

Every entity observing a project within an IEEE-SA entity standards working group is required to be at least an Basic Entity Member of the IEEE-SA, and only Advanced Entity Members can contribute and hold voting privileges. Entity nonmembers may observe at one IEEE-SA entity standards working group meeting per project.

Each entity project shall have at least three voting participants in good standing to maintain its validity. Each entity project is required to host its working group email reflector(s) through the IEEE, with designated IEEE staff serving as administrators.

IEEE-SA entity standards working groups may employ up to two individuals in non-voting positions for the purposes of technical editing and other administrative functions that shall not involve technical contributions. Such individuals will be allowed to participate in working group activities as deemed appropriate and need not represent Entity Members of IEEE-SA.

IEEE-SA entity standards working groups may vote to allow individuals to offer specific technical expertise in non-voting positions at up to three entity standards working group meetings during the standards development process for a particular project. Such individuals need not represent Entity Members of IEEE-SA. However, if an individual's expenses to attend entity standards development meetings are sponsored by his or her company, that company must be at least a Basic Entity Member of IEEE-SA.

When entity standards working group meetings are co-located with IEEE individual standards working group meetings, the individual standards working group attendees may observe such co-located entity working group meetings at up to two meetings per calendar year without having to fulfill any specific membership requirements.

RATIONALE:

The above changes address concerns originally raised by members of the SASB during its ballot process of the original change to include the 2010 corporate member model in the Bylaws, along with concerns raised by participants in the entity standards development process during implementation of the model.”

OpMan – Style Manual:

Motion from ProCom to Approve.

The motion was unanimously approved by the SASB.

“IEEE-SA Standards Board Operations Manual

2. Related documents

American National Standards Institute, *ANSI Essential Requirements: Due process requirements for American National Standards* (current edition).

IEEE Standards Association Operations Manual.

IEEE-SA Standards Board Bylaws.

PAR Form.

IEEE-SA Standards Board Working Guide for Submittal of Proposed Standards and Form for Submittal of Proposed Standards. (Known as the IEEE-SA Working Guide for the Submittal of Proposed Standards.)

IEEE Standards Style Manual

Robert's Rules of Order, Newly Revised (current edition).

4. IEEE-SA Standards Board and committee procedures

4.2.1 Procedures Committee (ProCom)

This committee shall review proposed modifications to the *IEEE-SA Standards Board Operations Manual*, ~~the *IEEE Standards Style Manual*~~, and the *IEEE-SA Standards Board Bylaws* and submit its recommendations for a vote of the IEEE-SA Standards Board.

This committee shall review proposed modifications to the *IEEE Standards Style Manual* and submit its comments to IEEE-SA Staff.

6. Copyright, trademark commercial terms and conditions, ~~and patents~~, and standard structure

6.1 Copyright

6.1.1 Project Authorization Request (PAR)

[No changes to this subclause]

6.1.2 Contributions from previously Published sources

[No changes to this subclause]

6.1.3 Drafts of proposed IEEE standards

All drafts of proposed IEEE standards shall contain the copyright statement provided in subclause 4.2.3 of the *IEEE Standards Style Manual*.

All drafts shall be clearly labeled to reflect their status as unapproved.

6.1.3.1 Draft copyright statements

All drafts shall carry a copyright statement that:

1. The document is an unapproved draft of a proposed IEEE Standard.
2. The document is subject to change.
3. The document shall not be utilized for conformance/compliance purposes.

An IEEE draft standard may be distributed without charge to the participants for that IEEE standards development project. Other persons seeking permission to reproduce the document, in whole or in part, must obtain permission from the IEEE Standards Activities Department.

The *IEEE Standards Style Manual* provides example text to meet the above requirements.

6.2 ~~Trademark~~ Commercial terms and conditions

Provisions involving business relations between buyer and seller such as guarantees, warranties, and other commercial terms and conditions shall not be included in an IEEE standard. The appearance that a standard endorses any particular products, services or companies shall be avoided. Therefore, it generally is not acceptable to include manufacturer lists, service provider lists, or similar material in the text of an IEEE standard. Where a sole source exists for essential equipment, materials, or services necessary to comply with or to determine compliance with the standard, it is permissible to supply the name and address of the source in a footnote as long as the words “or the equivalent” are added to the reference.

6.2.1 General

References to commercial equipment in a standard shall be generic and shall not include trademarks or other proprietary designations. Where a sole source exists for essential equipment or materials, it is permissible to supply the name of the trademark owner in a footnote. (See clause 7 in the *IEEE Standards Style Manual*.)

6.2.2 PAR form

During the PAR procedure, the working group shall identify any possible trademark use for the forthcoming standard. The instructions in 6.2.1 shall be adhered to prior to RevCom submittal.

6.3 Patents

[No change to this subclause, or its subclauses]

6.4. IEEE standard document structure**6.4.1 Normative and informative**

Normative material is information required to implement the standard and is therefore officially part of the standard. Informative material is provided for information only and is therefore not officially part of the standard.

6.4.2 Frontmatter

The frontmatter of an IEEE standard is informative.

6.4.3 Notes and footnotes

Notes and footnotes are informative except as noted in subclauses 6.4.4 and 6.4.5.

The *IEEE Standards Style Manual* provides further information about notes and footnotes.

6.4.4 Notes to tables and footnotes to tables

A note to a table is informative. A footnote to a table is normative.

6.4.5 Notes to figures and footnotes to figures

A note to a figure is informative. A footnote to a figure is normative.

6.4.6 Normative references

Normative references are documents that contain additional material that is necessary to implement the standard. Thus, normative references are indispensable when applying the standard. Each normative reference shall be cited, and the role and relationship of each normative reference shall be explained in the body of the standard.

IEEE and other nationally or internationally recognized standards developing organizations (SDOs) are preferred as the source of normative references. Documents published by other organizations may be cited provided the document is publicly available at a cost that is not unreasonable at the date of publication of the IEEE standard. Documents that are cited as normative references, but that are developed by organizations that are not nationally or internationally recognized SDOs, shall include the edition or date of publication in the citation. References to standards that are not active are permitted, provided such standards are publicly available at the date of publication of the IEEE standard. Draft standards may be used as normative references if they are unambiguously dated, readily available, and retrievable at the date of publication of the IEEE standard. Please consult with an IEEE Standards project editor if such inclusion is necessary.

References to specific clauses or subclauses, tables, and figures of another document shall include the date of said document.

6.4.7 Shall, should, may, and can

The word *shall* indicates mandatory requirements strictly to be followed in order to conform to the standard and from which no deviation is permitted (*shall equals is required to*).

The word *should* indicates that among several possibilities one is recommended as particularly suitable, without mentioning or excluding others; or that a certain course of action is preferred but not necessarily required (*should equals is recommended that*).

The word *may* is used to indicate a course of action permissible within the limits of the standard (*may equals is permitted to*).

The word *can* is used for statements of possibility and capability, whether material, physical, or causal (*can equals is able to*).

8. Publication

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. See subclause 4.2 of the IEEE Standards Style Manual.

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-IEEE Standards Department directions (see subclause 4.2 of the IEEE Standards Style Manual).
- 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.

RATIONALE:

Promotes normative information from the *Standards Style Manual* to the SASB Operations Manual.”

OpMan – Errata:

Motion from ProCom to Approve.

The motion was unanimously approved by the SASB.

“IEEE-SA Standards Board Operations Manual

9.1 Reaffirmation

Standards that contain no identified significant obsolete or erroneous information may be submitted by the Sponsor for reaffirmation when accompanied by a ballot indicating approval by at least 75% of the interested and affected parties. When the Sponsor ballots a standard for reaffirmation, the entire standard, including approved amendments, corrigenda, and known errata, is subject to review by its balloters. Objections may indicate the need to revise the standard rather than to reaffirm it.

If any approved amendments, ~~or~~ corrigenda, or known errata are omitted during a reaffirmation ballot, a recirculation shall be required to present them to the balloting group.

Sponsors shall not conduct a reaffirmation ballot for standards with three or more amendments. In such situations, the Sponsor shall revise the standard instead (see 8.1.2).

RATIONALE:

Known errata are defined as being within the scope of a reaffirmation. However, it is not stated and not clear that known errata need to be included in the reaffirmation ballot package along with the published standard, amendments, and corrigenda.”

5.4 Audit Committee (AudCom)

Ron Petersen, AudCom Chair, reported.

It was noted that there will likely be a need for more AudCom members next year.

AI – Anyone who wants to be on AudCom in 2011 should send an email to Bob Grow [bob.grow@ieee.org] and Dave Ringle [d.ringle@ieee.org].

5.5 Patent Committee (PatCom)

John Kulick, PatCom Chair, reported.

6 Standards Coordinating Committee Reports

6.1 SCC Coordinator's Report

John Kulick, SCC Coordinator, reported.

6.2 Scheduled Reports Due in September:

6.2.1 SCC14 – Quantities, Units, and Letter Symbols (James Frysinger)

6.2.2 SCC18 – National Fire Protection Association Standards (Melvin Sanders)

6.2.3 SCC39 – International Committee on Electromagnetic Safety (Ralf Bodemann)

Ralf Bodemann, SCC39 Chair, reported.

It was questioned whether C95.1, C95.6, and C95.7 could be made available for 'free'.

AI – Karen Kenney to discuss delivery/pricing options with Ralf.

There was a motion to accept the three submitted annual reports. The motion was unanimously approved.

7 Ad Hoc Reports

7.1 myProject Ad Hoc Report

David Law, Ad Hoc Chair, provided a verbal update. The ad hoc is still conducting its reviews of submitted tickets.

7.2 Reaffirmation Process Ad Hoc Report

Yvette HoSang attended via phone for agenda item 7.2.

Jim Hughes, Ad Hoc Chair, reported. Status report given and input requested from the SASB on the direction of the ad hoc, especially if material is presented for adoption at the December SASB meeting.

Proposal overview:

- Eliminate separate Reaffirmation and Stabilization processes
- One maintenance process, which requires completion of a Revision at no more than 10-year intervals to keep the standard 'under maintenance'
- New single-pass ballot process to confirm Sponsor's disposition

Key points – Revised (Simpler) Maintenance phase:

- Sponsor is provided a list of all of its active standards each year; can propose action (with SASB approval) to
 - Revise or
 - Move to Non-Maintained Status (e.g., before 10-year mark)
- If sponsor does nothing, cycle for next year's list if 10-year mark not reached
- At 10-year mark, SASB considers an Administrative Action to put standard in a non-maintained state as a "Reserved Standard" – for sale, just not maintained
- No longer any explicit reaffirmation or stabilization action – Staff will work with ANSI to file extensions after the 5-year mark as needed and work with Sponsor
- Sponsor can file 'minor' revision (e.g., change the ":year") to keep away from Administrative Withdrawal
- Sponsor will decide how to come to a maintenance decision on each maintained standard (and may have the Approval Ballot process available)

- Removes need for Reaffirmation and Stabilization decisions (with issues in using the SASB OpMan ‘Standards Ballot’ process)
- For standards that are doing well and under maintenance, decisions only needed every 10 years
- Much simpler than the current process

Claire Topp, legal counsel, stated that such a process eliminates the risk concerns related to reaffirmations/stabilizations. In general, the proposal provides a process that is much lower on the risk spectrum.

It was noted that such a process would need to be reviewed by ANSI in order to ensure that our P&P retain their accreditation.

Approval ballot process:

- Three phase process:
 - Get input from ballot group on Sponsor proposal
 - Sponsor collates/responds to all input
 - Ballot group votes yes/no on the Sponsor’s proposed position (no more comments allowed, but group sees all filed issues with Sponsor response)
- Written so the process could be used in multiple decision-making situations (e.g., Maintenance; Adoption of International Standards; International Reaffirmations)

There was a straw poll taken on the direction of the ad hoc:

In favor: 9; opposed: 1; abstain = 4

AI – Anyone with comments should send them to Jim Hughes [jim.hughes@microsoft.com] and Dave Ringle [d.ringle@ieee.org].

8 Liaison Reports

8.1 NIST Report

Michael Janezic, NIST Representative, reported.

8.2 NRC Report

Satish Aggarwal, NRC Representative, reported.

9 Informational Reports

9.1 IEEE-SA President’s Report

Chuck Adams, IEEE-SA President, reported.

9.2 CAG Report

Jim Hughes reported.

9.3 Secretary’s Report

9.3.1 Joint Development Activity with ITU-T **[Time-Specific: 2:00 p.m.]**

Alex Gelman reported.

The SASB may be asked to provide comments on the procedural aspects of a joint activity.

9.4 Chair's Report

Chair Grow thanked everyone for their concerns about his health, and for attending the meeting series.

10 New Business

10.1 Differentiation of 'Guides'

The proposal was noted. The SASB did not take any action on this proposal.

10.2 EPO Classification Scheme for Patents Related to Green Technology

F. Javier Hurtado-Albir, European Patent Office (EPO), gave two presentations.

[See 'Y02: A new classification scheme for climate change mitigation technologies' at https://e-learning.epo.org/goto_clix.jsp?clixEvent=view-content&id=642118 or https://e-learning.epo.org/data/wbt/decompressed/y02_100823_642213/player.html]

10.3 Invited Experts Request from C/EASC for P1680.2 and P1680.3 [*Executive Session*]

The Standards Board entered Executive Session at 3:00 p.m. Michael Lindsay attended via phone.

The SASB members who comprised the decision-making body:

Karen Bartleson

Alex Gelman

Jim Hughes

Rich Hulett

John Kulick

Hung Ling

Ron Petersen

Tom Prevost

Jon Rosdahl

Sam Sciacca

Curtis Siller

Information reported out: The invited experts list is disapproved.

The Standards Board exited Executive Session at 3:50 p.m.

11 Next Meeting

The next meeting of the IEEE-SA Standards Board will be 8 December 2010 in Piscataway, New Jersey, USA.

12 SASB Resolutions

Move that the SASB instructs the 1900.4 WG to designate the entire WG as the comment resolution committee for P1900.4a.

13 Adjournment

There being no further business, the meeting was adjourned at 4:00 p.m.