

IEEE-SA Standards Board Meeting Minutes – December 2013

IEEE-SA Standards Board Meeting Minutes

11 December 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:

Masayuki Ariyoshi

Peter Balma

Farooq Bari

Ted Burse

Stephen Dukes [TAB Rep.]

Jean-Philippe Faure

Paul Houzé

Jim Hughes

Michael Janezic

Oleg Logvinov

Ron Petersen

Gary Robinson

Jon Rosdahl

Adrian Stephens

Peter Sutherland

Yatin Trivedi

Phil Winston

Yu Yuan

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Dick DeBlasio, DOE Representative

Members Absent:

Alex Gelman

Mark Halpin

Gary Hoffman

Joe Koepfinger, Member Emeritus

IEEE Staff:

Christina Boyce

Justin Caso

Donna Ceruto

Sri Chandrasekaran

Terry deCourcelle

Radcliffe Dwyer

Karen Evangelista

Tricia Gerdon

Rona Gertz

Lloyd Green

Jodi Haasz

Mary Ellen Hanntz

Yve HoSang

Noelle Humenick

Robert Ivan

Karen Kenney

Mike Kipness

Juanita Lewis

Brenda Mancuso

Karen McCabe

Adam Newman

Mary Lynne Nielsen

Jeff Pane

Moira Patterson

Lisa Perry

Walter Pienciak

Dave Ringle, Recording Secretary

Ana Sainvilus

Erin Spiewak

Ravi Subramaniam

Walter Sun

Cherry Tom

Michelle Turner

Sue Vogel

Lisa Weisser

Joan Woolery

Malia Zaman

IEEE Outside Legal Counsel:

Claire Topp

Guests:

Chuck Adams
Karen Bartleson
John Egan
Xiaohui Liu
Ted Olsen
Kishik Park
Glenn Parsons
Curtis Siller
Anthony Vetro
Diego Vicentin
Yingli Wen
Phil Wennblom
Howard Wolfman
Don Wright

1 Call to Order

Chair Kulick called the meeting to order at 9:04 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. The motion was unanimously approved.

2.2 Consent Agenda

2.2.1 Approval of 23 August 2013 SASB Meeting [Minutes](#)

2.2.2 AudCom Recommendations

Accepted (standards work authorized):

- C/S2ESC Computer Society/Software & Systems Engineering Standards Committee
- C/VSSC Computer Society/Voting Systems Standards Committee
- EDS/MEMS Electron Devices Society/Microelectromechanical Systems Standards Development Committee

2.2.3 ICom Recommendations

New Industry Connections Activity

IC13-008-01 Next Generation Ethernet Passive Optical Network (NG-EPON):

<https://iee-sa.centraldesktop.com/p/eAAAAAAACmhNAAAAA7nrXc>

Recommendation: Approve

Revised Industry Connections Activity

IC12-006-04 IEEE Actionable Data Book for STEM Education:

https://iee-sa.centraldesktop.com/p/eAAAAAAACsa_AAAAAAg6nzI

Recommendation: Approve

2.2.4 NesCom Recommendations

Withdrawal Requests

IEEE Computer Society/Software & Systems Engineering Standards Committee

P1175.5

Standard for Computer-Aided Software Engineering (CASE) Tool Interconnections – Reference Data Metamodel for System Behavior Specifications

Recommendation: Approve PAR withdrawal

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

P11073-10404

Standard for Health Informatics – Personal Health Device Communication – Device Specialization – Pulse Oximeter

Recommendation: Approve PAR withdrawal

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1068-2009/Cor 1

IEEE Standard for the Repair and Rewinding of AC Electric Motors in the Petroleum, Chemical, and Process Industries – Corrigendum 1

Recommendation: Defer consideration until March 2014

PARs to be Administratively Withdrawn

P211 (APS/P)

Standard Definitions of Terms for Radio Wave Propagation

(Revision PAR)

P1805 (C/S2ESC)

Guide for Requirements Capture Language (RCL)

([New PAR](#))

P45 (IAS/PCI)

Recommended Practice for Electrical Installations on Ships

([Revision PAR](#))

P3001.1 (IAS/TBCC)

Recommended Practice for the Planning of Industrial and Commercial Power Systems

([New PAR](#))

P1797 (PE/ED&PG)

Guide for Design and Application of Solar Technology in Commercial Power Generating Stations

([New PAR](#))

P1798 (PE/EM)

Guide for Qualification and Type Tests for Partial Discharge (PD)-Free Electrical Insulation Systems Used in Rotating Electrical Machines Fed from Voltage

([New PAR](#))

P971 (PE/IC)

Guide for the Installation and Removal of Power Cables Installed in Duct Systems

([Revision PAR](#))

P1659 (PE/IC)

Guide for Connectors Used In Underground Cable Joints and Terminations for Voltages of 5 – 35 kV

([New PAR](#))

P323 (PE/NPE)

Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations and Nuclear Facilities

([Revision PAR](#))

PC62.41.2 (PE/SPD/LV)

Standard for Recommended Practice on Characterization of Surges in Low-Voltage (1000 V and less) AC Power Circuits

([Revision PAR](#))

P1646 (PE/SUB)

Standard Communication Delivery Time Performance Requirements for Electric Power Substation Automation

[\(Revision PAR\)](#)

P1806 (PE/T&D)

Guide for Placement of Overhead and Underground Switching and Overcurrent Protection Equipment

[\(New PAR\)](#)

P1705 (SASB/SCC31)

Standard for Compliance Testing to Utility Industry Metering Communications Protocol Standards

[\(New PAR\)](#)

P16 (VT/RTSC)

Standard for Electrical and Electronic Control Apparatus on Rail Vehicles

[\(Revision PAR\)](#)

P1558-2004/Cor1 (VT/RTSC)

IEEE Standard for Software Documentation for Rail Equipment and Systems – Corrigendum 1: Coordination between IEEE Std 1558TM and recent changes to other software standards

[\(New PAR\)](#)

P1627 (VT/RTSC)

Standard for Grounding Practices for DC Electrification Overhead Contact Systems, Including Application of Lightning Arresters, for Transit Systems

[\(New PAR\)](#)

P1653.1 (VT/RTSC)

Standard for Traction Power Rectifier Transformers for Substation Applications up to 1500 Volts dc Nominal Output

[\(New PAR\)](#)

P1653.5 (VT/RTSC)

Recommended Practice for Controlled Rectifiers for Traction Power Substation Applications

[\(New PAR\)](#)

P1791 (VT/RTSC)

Recommended Practice for Terminology Used for Direct Current Electric Transit Overhead Contact Systems

[\(New PAR\)](#)

Modified PARs

P802.1AX

Standard for Local and Metropolitan Area Networks – Link Aggregation

Recommendation: Approve modified PAR

P802.1Q

Standard for Local and Metropolitan Area Networks – Bridges and Bridged Networks

Recommendation: Approve modified PAR

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1584

Guide for Performing Arc-Flash Hazard Calculations

Recommendation: Approve modified PAR

P60079-30-1

Explosive Atmospheres – Part 30-1: Electrical Resistance Trace Heating – General and Testing Requirements

Recommendation: Approve modified PAR

IEEE Nanotechnology Council/Standards Committee

P62659

Standard for Large Scale Manufacturing of Nanoelectronics

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Electric Machinery

P117

Standard Test Procedure for Thermal Evaluation of Systems of Insulating Materials for Random-Wound AC Electric Machinery

Recommendation: Approve modified PAR

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

PC62.69

Standard for the Surge Parameters of Isolating Transformers Used in Networking Devices and Equipment

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Switchgear

PC37.010

Application Guide for AC High-Voltage Circuit Breakers >1000 Vac Rated on a Symmetrical Current Basis

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Transmission and Distribution

P1895

Standard for Below-Grade Inspection and Assessment of Corrosion on Steel Transmission, Distribution, and Substation Structures

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Transformers

PC57.130

Guide for the Use of Dissolved Gas Analysis Applied to Factory Temperature Rise Tests for the Evaluation of Mineral Oil-Immersed Transformers and Reactors

Recommendation: Approve modified PAR

PC57.637

Guide for the Reclamation of Mineral Insulating Oil and Criteria for Its Use

Recommendation: Approve modified PAR

IEEE-SASB Coordinating Committees/SCC31 – Automatic Meter Reading and Energy Management

P1705

Protocol Implementation Conformance Statement (PICS) Proforma Standard for IEEE 1701 and IEEE 1377

Recommendation: Disapprove modified PAR

Extension Requests

P1735

Recommended Practice for Encryption and Management of Electronic Design Intellectual Property (IP)

Recommendation: Approve request for an extension until December 2014

IEEE Computer Society/LAN/MAN Standards Committee

P802

Standard for Local and Metropolitan Area Networks: Overview and Architecture

Recommendation: Approve request for an extension until December 2014

IEEE Computer Society/Learning Technology

P1484.13.3

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Recommended Practice for Learning Technology – ISO 21000-2:2005 Information Technology – Multimedia Framework (MPEG-21) – Part 2: Digital Item Declaration Mapping to the Conceptual Model for Resource Aggregation

Recommendation: Approve request for an extension until December 2014

P1484.13.4

Recommended Practice for Learning Technology – IMS Content Packaging Information Model (CP) Version 1.2 – Mapping to the Conceptual Model for Resource Aggregation

Recommendation: Approve request for an extension until December 2015

P1484.13.6

Recommended Practice for Learning Technology – Open Archives Initiative Object Reuse and Exchange Abstract Model (OAI-ORE) – Mapping to the Conceptual Model for Resource Aggregation

Recommendation: Approve request for an extension until December 2014

IEEE Computer Society/Software & Systems Engineering Standards Committee

P730

Standard for Software Quality Assurance Processes

Recommendation: Approve request for an extension until December 2014

IEEE Computer Society/Test Technology

P1804

Standard for Fault Accounting and Coverage Reporting to Digital Modules (FACR)

Recommendation: Approve request for an extension until December 2014

IEEE Engineering in Medicine and Biology Society/Standards Committee

P1708

Standard for Wearable Cuffless Blood Pressure Measuring Devices

Recommendation: Approve request for an extension until December 2014

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P1642

Recommended Practice for Protecting Public Accessible Computer Systems from Intentional EMI

Recommendation: Approve request for an extension until December 2014

P1688

Standard for Requirements for the Control of Electromagnetic Interference Characteristics of Replaceable Electronic Modules

Recommendation: Approve request for an extension until December 2014

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1566

Standard for Performance of Adjustable Speed AC Drives Rated 375 kW and Larger

Recommendation: Approve request for an extension until December 2014

P1580.1

Recommended Practice for Insulated Bus Pipe for Use on Shipboard and Fixed or Floating Platforms

Recommendation: Approve request for an extension until December 2015

P1584

Guide for Performing Arc-Flash Hazard Calculations

Recommendation: Approve request for an extension until December 2017

P1584.1

Guide for the Specification of Scope and Deliverable Requirements for an Arc-Flash Hazard Calculation Study in Accordance with IEEE 1584

Recommendation: Approve request for an extension until December 2014

P1716

Recommended Practice for Managing Natural Disaster Impact on Key Electrical Systems and Installations in Petroleum and Chemical Facilities

Recommendation: Approve request for an extension until December 2014

IEEE Industry Applications Society/Technical Books Coordinating Committee

P3000

Recommended Practice for the Engineering of Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2016

P3004.3

Recommended Practice for the Application of Low-Voltage Fuses in Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2014

P3004.5

Recommended Practice for the Application of Low-Voltage Circuit Breakers in Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2014

IEEE Power and Energy Society/Energy Development & Power Generation

P421.2

Guide for Identification, Testing, and Evaluation of the Dynamic Performance of Excitation Control Systems

Recommendation: Approve request for an extension until December 2014

P810

Standard for Hydraulic Turbine and Generator Shaft Couplings and Shaft Runout Tolerances

Recommendation: Approve request for an extension until December 2014

P1595

Standard for Designating and Quantifying Green Energy Projects in the Electricity Sector

Recommendation: Approve request for an extension until December 2015

IEEE Power and Energy Society/Electric Machinery

P117

Standard Test Procedure for Thermal Evaluation of Systems of Insulating Materials for Random-Wound AC Electric Machinery

Recommendation: Approve request for an extension until December 2014

P1812

Guide for Testing Permanent Magnet Machines

Recommendation: Approve request for an extension until December 2014

IEEE Power and Energy Society/Insulated Conductors

P575

Guide for Bonding Sheaths and Shields of Single-Conductor Power Cables Rated 5 – 500 kV

Recommendation: Approve request for an extension until December 2014

P848

Standard Procedure for the Determination of the Ampacity Derating Factor for Fire-Protected Cable Systems

Recommendation: Approve request for an extension until December 2014

P971

Guide for the Installation and Removal of Power Cables Installed in Duct Systems

Recommendation: Disapprove request for an extension

P1254

Guide for Soil Thermal Stability

Recommendation: Approve request for an extension until December 2015

IEEE Power and Energy Society/Nuclear Power Engineering

P62582-5

Nuclear Power Plants – Instrumentation and Control Important to Safety – Electrical Equipment Condition Monitoring Methods Part 5: Optical Time Domain Reflectometry

Recommendation: Approve request for an extension until December 2015

IEEE Power and Energy Society/Power System Analysis, Computing, and Economics Committee

P1729

Recommended Practice for Electric Power Distribution System Analysis

Recommendation: Approve request for an extension until December 2014

IEEE Power and Energy Society/Power System Relaying

PC37.95

Guide for Protective Relaying of Utility-Consumer Interconnections

Recommendation: Approve request for an extension until December 2014

PC37.98

Standard for Seismic Qualification Testing of Protective Relays and Auxiliaries for Nuclear Facilities

Recommendation: Approve request for an extension until December 2014

PC57.13.3

Guide for Grounding of Instrument Transformer Secondary Circuits and Cases

Recommendation: Approve request for an extension until December 2015

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

PC62.92.2

Guide for the Application of Neutral Grounding in Electrical Utility Systems Part II – Synchronous Generator Systems

Recommendation: Approve request for an extension until December 2015

PC62.92.4

Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part IV – Distribution

Recommendation: Approve request for an extension until December 2014

IEEE Power and Energy Society/Substations

P693

Recommended Practice for Seismic Design of Substations

Recommendation: Approve request for an extension until December 2016

PC37.122.1

Guide for Gas-Insulated Substations

Recommendation: Approve request for an extension until December 2014

PC37.122.4

Application and User Guide for Gas-Insulated Transmission Lines (GIL), Rated 72.5 kV and Above

Recommendation: Approve request for an extension until December 2014

IEEE Power and Energy Society/Switchgear

PC37.010

Application Guide for AC High-Voltage Circuit Breakers >1000 Vac Rated on a Symmetrical Current Basis

Recommendation: Approve request for an extension until December 2015

PC37.30.2

Guide for Wind Loading Evaluation of High Voltage (>1000 V) Air Break Switches

Recommendation: Approve request for an extension until December 2015

IEEE Power and Energy Society/Transmission and Distribution

P519

Recommended Practices and Requirements for Harmonic Control in Electric Power Systems

Recommendation: Approve request for an extension until December 2014

P1564

Guide for Voltage Sag Indices

Recommendation: Approve request for an extension until December 2014

IEEE Power and Energy Society/Transformers

P65700-19-03

Standard for Bushings for DC Application

Recommendation: Approve request for an extension until December 2014

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

P1232.3

Guide for the Use of Artificial Intelligence Exchange and Service Tie to All Test Environments (AI-ESTATE)

Recommendation: Approve request for an extension until December 2014

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

P1361

Guide for Selection, Charging, Test, and Evaluation of Lead-Acid Batteries Used in Stand-Alone Photovoltaic (PV) Systems

Recommendation: Approve request for an extension until December 2014

IEEE-SASB Coordinating Committees/SCC31 – Automatic Meter Reading and Energy Management

P1705

Standard for Compliance Testing to Utility Industry Metering Communications Protocol Standards

Recommendation: Disapprove request for an extension

IEEE-SASB Coordinating Committees/SCC40 – Earth Observation

P2030.1

Guide for Electric-Sourced Transportation Infrastructure

Recommendation: Approve request for an extension until December 2015

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P1653.5

Recommended Practice for Controlled Rectifiers for Traction Power Substation Applications

Recommendation: Disapprove request for an extension

P1653.6

Recommended Practice for Grounding of Direct Current Equipment Enclosures in Traction Power Distribution Facilities

Recommendation: Approve request for an extension until December 2014

NEW PARs

IEEE-SA Board of Governors/Corporate Advisory Group

P2404

Standard for Power Plant De-Nitrogen Oxide (DeNOx) Plate-Type Catalyst

Recommendation: Approve new PAR until December 2017

IEEE Computer Society/Design Automation

P1666.1

SystemC Analog/Mixed-Signal (AMS) Extensions Language Reference Manual

Recommendation: Approve new PAR until December 2017

P2401

Standard Format for LSI-Package-Board Interoperable Design

Recommendation: Approve new PAR until December 2017

IEEE Computer Society/LAN/MAN Standards Committee

P802.3br

Standard for Ethernet Amendment: Specification and Management Parameters for Interspersing Express Traffic

Recommendation: Approve new PAR until December 2017

P802.3bt

Standard for Ethernet Amendment: Physical Layer and Management Parameters for DTE Power via MDI over 4-Pair

Recommendation: Approve new PAR until December 2017

P802.3bu

Standard for Ethernet Amendment: Physical Layer and Management Parameters for 1-Pair Power over Data Lines

Recommendation: Approve new PAR until December 2017

IEEE Computer Society/Standards Activities Board

P1857.4

Standard for 2nd Generation IEEE 1857 Video Coding

Recommendation: Approve new PAR until December 2017

P1857.5

Standard for Advanced Mobile Speech and Audio

Recommendation: Approve new PAR until December 2017

P1857.6

Standard for Digital Media Content Description

Recommendation: Approve new PAR until December 2017

IEEE Communications Society/Power Line Communications

P1905.1a

Standard for a Convergent Digital Home Network for Heterogeneous Technologies Amendment: Support of new MAC/PHYs and enhancements

Recommendation: Approve new PAR until December 2017

IEEE Electron Devices Society/Microelectromechanical Systems (MEMS) Standards Development Committee

P2700

Standard for Sensor Performance Parameter Definitions

Recommendation: Conditionally Approve new PAR until December 2017; conditional upon SASB acceptance of the Sponsor P&P

IEEE Industry Applications Society/Technical Books Coordinating Committee

P3004.4

Recommended Practice for the Application of Medium- and High-Voltage Fuses in Industrial and Commercial Power Systems

Recommendation: Approve new PAR until December 2017

P3006.2

Recommended Practice for Evaluating the Reliability of Existing Industrial and Commercial Power Systems

Recommendation: Approve new PAR until December 2017

P3006.3

Recommended Practice for Determining the Impact of Preventative Maintenance on the Reliability of Industrial and Commercial Power Systems

Recommendation: Approve new PAR until December 2017

IEEE Instrumentation and Measurement Society/TC9 – Sensor Technology

P2402

Standard Design Criteria of Complex Virtual Instruments for Ocean Observation

Recommendation: Approve new PAR until December 2017

IEEE Power and Energy Society/Stationary Batteries Committee

P2405

Standard for the Design of Battery Chargers Used in Stationary Applications

Recommendation: Conditionally Approve new PAR until December 2017; conditional upon the receipt of a signed MOU with NEMA

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

PC62.42.3

Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports – Part 3 Silicon PN-Junction Clamping Diodes

Recommendation: Approve new PAR until December 2017

PC62.42.4

Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports – Part 4 Thermally Activated Current Limiters

Recommendation: Approve new PAR until December 2017

IEEE Power and Energy Society/Switchgear

PC37.62

Standard for Pad Mounted, Dry Vault, Submersible Fault, and Overhead Fault Interrupters for Alternating Current Systems up to 38 kV

Recommendation: Approve new PAR until December 2017

IEEE Power and Energy Society/Transmission and Distribution

P1882

Guide for Establishing, Benchmarking, and Maintaining a Working Program for Energized Transmission Lines

Recommendation: Approve new PAR until December 2017

IEEE Power and Energy Society/Transformers

PC57.13.8

Standard Requirements for Station Service Voltage Transformers

Recommendation: Approve new PAR until December 2017

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

P1641.1a

Guide for the Use of IEEE Std 1641, IEEE Standard for Signal and Test Definition, Amendment to add Guidelines for producing reusable Test Signal Frameworks (TSFs) for use on platforms utilizing Automatic Test Markup Language (ATML)

Recommendation: Approve new PAR until December 2017

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

P2030.2.1

Guide for Design, Operation, and Maintenance of Battery Energy Storage Systems, both Stationary and Mobile, and Applications Integrated with Electric Power Systems

Recommendation: Approve new PAR until December 2017

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P2030.1.1

Standard Technical Specifications of a DC Quick Charger for Use with Electric Vehicles

Recommendation: Approve new PAR until December 2017. [Vote: Yes=4, No=2, Abstain=2]

PARs for the Revision of Standards

IEEE Computer Society/Design Automation

P1685

Standard for IP-XACT, Standard Structure for Packaging, Integrating, and Reusing IP within Tool Flows

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

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1068

Standard for the Repair and Rewinding of AC Electric Motors in the Petroleum, Chemical, and Process Industries

Recommendation: Defer consideration until March 2014

P80005-1

Utility Connections in Port – Part 1: High Voltage Shore Connection (HVSC) Systems – General Requirements

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

IEEE Power and Energy Society/Nuclear Power Engineering

P60780-323

Qualification of Electrical Equipment Important to Safety for Nuclear Facilities

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

IEEE Power and Energy Society/Power System Relaying

PC37.116

Guide for Protective Relay Application to Transmission-Line Series Capacitor Banks

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

PC57.13.1

Guide for Field Testing of Relaying Current Transformers

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

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

PC62.11

Standard for Metal-Oxide Surge Arresters for AC Power Circuits (>1 kV)

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

2.2.5 RevCom Recommendations

NEW

P643-2004/Cor 1/Draft D3 (PE/PSC) Guide for Power-Line Carrier Applications – Corrigendum 1: Modal Analysis Power Equation Correction

Recommendation: APPROVE

P738-2012/Cor 1/Draft 2 (PE/T&D) Standard for Calculating the Current-Temperature Relationship of Bare Overhead Conductors – Corrigendum 1

Recommendation: APPROVE

P802.11ac/Draft 7.0 (C/LM) Standard for IT – Telecommunications and Information Exchange between Systems – LAN/MAN – Specific Requirements – Part 11: Wireless LAN Medium Access Control and Physical Layer Specifications – Amendment 4: Enhancements for Very High Throughput for Operation in Bands below 6 GHz

Recommendation: APPROVE

P802.11af/Draft 6.0 (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 5: TV White Spaces Operation

Recommendation: APPROVE

P1484.13.2/Draft 10 (C/LT) Recommended Practice for Learning Technology – Metadata Encoding and Transmission Standard (METS) Mapping to the Conceptual Model for Resource Aggregation

Recommendation: APPROVE

P1547.7/Draft 11 (SASB/SCC21) Guide to Conducting Distribution Impact Studies for Distributed Resource Interconnection

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Recommendation: APPROVE

P1584.1/Draft 5 (IAS/PCI) Guide for the Specification of Scope and Deliverable Requirements for an Arc-Flash Hazard Calculation Study in Accordance with IEEE 1584

Recommendation: APPROVE

P1609.0/Draft 7 (VT/ITS) Guide for Wireless Access in Vehicular Environments (WAVE) – Architecture

Recommendation: APPROVE

P1613.1/Draft 48 (PE/SUB) Standard Environmental and Testing Requirements for Communications Networking Devices Installed in Transmission and Distribution Facilities

Recommendation: APPROVE

P1653.6/Draft 12 (VT/RTSC) Recommended Practice for Grounding of Direct Current Equipment Enclosures in Traction Power Distribution Facilities

Recommendation: APPROVE

P1696/Draft 10 (IM/WM&A) Standard for Terminology and Test Methods for Circuit Probes

Recommendation: APPROVE

P1726/Draft 16 (PE/T&D) Guide for the Functional Specification of Fixed Transmission Series Capacitor Banks for Transmission System Applications

Recommendation: APPROVE

P1857.3/Draft 3 (C/SAB) Standard for System of Advanced Audio and Video Coding

Recommendation: APPROVE

P1874/Draft D0.2 (CES/SC) Standard for Documentation Schema for Repair and Assembly of Electronic Devices

Recommendation: APPROVE

P3001.5/Draft 4 (IAS/TBCC) Recommended Practice for Application of Power Distribution Apparatus in Industrial and Commercial Power Systems

Recommendation: APPROVE

REVISION

P43/Draft 19 (PE/EM) Recommended Practice for Testing Insulation Resistance of Electric Machinery

Recommendation: APPROVE

P80/Draft 10 (PE/SUB) Guide for Safety in AC Substation Grounding

Recommendation: APPROVE

P145/Draft D3 (APS/A) Standard Definitions of Terms for Antennas

Recommendation: APPROVE

P638/Draft 10 (PE/TR) Standard for Qualification of Class 1E Transformers for Nuclear Power Generating Stations

Recommendation: APPROVE

P933/Draft 6 (PE/NPE) Guide for the Definition of Reliability Program Plans for Nuclear Generating Stations and Other Nuclear Facilities

Recommendation: APPROVE

P980/Draft D3 (PE/SUB) Guide for Containment and Control of Oil Spills in Substations

Recommendation: APPROVE

P1127/Draft 9 (PE/SUB) Guide for the Design, Construction, and Operation of Electric Power Substations for Community Acceptance and Environmental Compatibility

Recommendation: APPROVE

P1187/Draft 14 (PE/SB) Recommended Practice for Installation Design and Installation of Valve-Regulated Lead-Acid Batteries for Stationary Applications

Recommendation: APPROVE

P1482.1/Draft D2.2 (VT/RTSC) Standard for Rail Transit Vehicle Event Recorders

Recommendation: APPROVE

P1686/Draft D15 (PE/SUB) Standard for Intelligent Electronic Devices (IEDs) Cyber Security Capabilities

Recommendation: APPROVE

PC37.20.3/Draft D13 (PE/SWG) Standard for Metal-Enclosed Interrupter Switchgear (1 kV-38 kV)

Recommendation: APPROVE

PC37.98/Draft D5.1E (PE/PSR) Standard for Seismic Qualification Testing of Protective Relays and Auxiliaries for Nuclear Facilities

Recommendation: APPROVE

PC37.122.6/Draft 9 (PE/SUB) Recommended Practice for the Interface of New Gas-Insulated Equipment in Existing Gas-Insulated Substations Rated Above 52 kV

Recommendation: APPROVE

PC57.96/Draft 6.3 (PE/TR) Guide for Loading Dry-Type Distribution and Power Transformers

Recommendation: APPROVE

PC57.134/Draft 2.1 (PE/TR) Guide for Determination of Hottest-Spot Temperature in Dry-Type Transformers

Recommendation: APPROVE

3 Legal Update

None

4 IEEE-SA Managing Director's [Report](#)

Konstantinos Karachalios, IEEE-SA Managing Director, reported.

5 SASB Standing Committee Reports

5.1 Audit Committee ([AudCom](#))

Peter Balma, AudCom Chair, reported.

There was a motion:

Recognize the Electron Devices Society/Microelectromechanical Systems Standards Development Committee, to be abbreviated as ED/MEMS, as an official Sponsor, in accordance with IEEE-SASB Bylaws clause 5.2.2, bullet d). The motion was approved, as there was no objection to unanimous consent.

There was a motion to modify Baseline text:

Approve Baseline Instructional text revised as follows:

If not supported, the brackets and text shall be removed. If supported, just the brackets shall be removed. Only after AudCom's review is complete can the P&P then be recommended to the IEEE-SA Standards Board for acceptance. AudCom recommends to the IEEE-SA Standards Board either that the Sponsor P&P should be accepted, not accepted, or be considered visibly under development.

And Revise 1.0.1 Role of Standard Development:

Participants engaged in the development of standards shall comply with applicable federal, state, and international laws.

There was an Amendment to replace the 1.0.1 text with the following:

All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.

The Amendment was approved.

The updated Main Motion was approved.

Peter thanked Karen Evangelista for her role in becoming the Acting Administrator and the assistance she has provided to AudCom since mid-July.

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](#))

- [ICCom OpMan](#)
- [Affiliation](#) (SASB Bylaws and SASB OpMan)
- [Membership Requirements](#) (SASB Bylaws)
- [Financial Reporting/Auditing of Finances](#) (SASB OpMan)

Jim Hughes, ProCom Chair, reported.

AI – Dave Ringle to initiate a 30-day email ballot of the SASB on the ICCom OpMan.

AI – Dave Ringle to initiate a 30-day email ballot of the SASB on the three other noted P&P changes.

SASB Members expressed interest in seeing a training program for volunteer leadership positions (e.g., WG Chairs).

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 SCC21, SCC31, and SCC39.

The motion was unanimously approved.

6.2 Scheduled Reports Due in December:

6.2.1 [SCC21](#) – Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage (Dick DeBlasio)

Dick DeBlasio, SCC21 Chair, [reported](#).

6.2.2 [SCC31](#) – Automatic Meter Reading and Energy Management (Lawrence Kotewa)

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

Ron Petersen, SCC39 Secretary, [reported](#).

7 Ad Hoc Reports

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

Farooq Bari, Ad Hoc Chair, reported. Farooq noted that the Policy Directives were incorporated into the ICom OpMan.

At the conclusion of the report, the ad hoc was disbanded.

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

Mike Janezic, Ad Hoc Chair, reported.

The Ad Hoc was re-chartered to examine implementation strategies.

AI – It is expected that the Ad Hoc will provide a report at the March 2014 SASB meeting.

8 Liaison Reports

8.1 DOE Report

Dick DeBlasio, DOE Liaison, provided a verbal update.

The DOE budget is currently under review; it looks 'flat' as far as new initiatives. The [Energy Systems Integration Facility](#) was constructed; \$135 Million of stimulus money was used to build it.

8.2 NIST [Report](#)

Mike Janezic, NIST Liaison, reported.

9 Informational Reports

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

Karen Bartleson, IEEE-SA President, reported.

9.2 CAG [Report](#)

Jim Hughes, CAG Liaison, reported.

9.3 SASB Chair's [Report](#)

Chair Kulick reported.

10 New Business

10.1 Japan Office [Report](#)

Walter Sun reported.

Masayuki Ariyoshi noted:

- The exploration of new spectrum (e.g., White Space);
- Activity in regards to transmission;
- Companies becoming more interested in market-drive standards.

10.2 Approval of the [2015 SASB Calendar](#)

**There was a motion:
Approve the 2015 SASB calendar.
The motion was approved.**

10.3 NetSuite Training

Don Wright, IEEE-SA Treasurer, gave a verbal update on the availability of training/assistance with the usage of NetSuite.

11 Upcoming Meetings

11.1 The [next meeting](#) of the IEEE-SA Standards Board will be 27 March 2014 in Piscataway, New Jersey, USA.

12 SASB Resolutions

The SASB officially recognized the Electron Devices Society/Microelectromechanical Systems Standards Development Committee, to be abbreviated as ED/MEMS, 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 3:40 p.m.