

IEEE-SA Standards Board Meeting Minutes – December 2012

IEEE-SA Standards Board Meeting Minutes

5 December 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:

Peter Balma

William Bartley

Clint Chaplin

Wael Diab

Jean-Philippe Faure

Paul Houzé

Jim Hughes

Young Kyun Kim

David Law

Hung Ling

Oleg Logvinov

Ted Olsen

Gary Robinson

Jon Rosdahl

Mike Seavey

Yatin Trivedi

Phil Winston

Yu Yuan

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Joe Koepfinger, Member Emeritus
Dick DeBlasio, DOE Representative
Michael Janezic, NIST Representative

Members Absent:

Satish Aggarwal
Masayuki Ariyoshi
Ted Burse
Alex Gelman, TAB Representative
Thomas Lee

IEEE-SA Staff:

Kathryn Bennett
Christina Boyce
Matt Ceglia
Donna Ceruto
Terry deCourcelle
Karen Evangelista
Tricia Gerdon
Rona Gertz
Krista Gluchoski
Lloyd Green
Jodi Haasz
Mary Ellen Hanntz
Yvette HoSang
Soo Kim
Bob LaBelle
Juanita Lewis
Brenda Mancuso
Karen McCabe
Mary Lynne Nielsen
Moirra Patterson
Lisa Perry
Walter Pienciak
Dave Ringle, Recording Secretary
Pat Roder
Ana Sainvilus
Erin Spiewak
Ravi Subramaniam
Sue Vogel
Jim Wendorf
Joan Woolery
Lisa Yacone
Shuang Yu
Malia Zaman

IEEE Outside Legal Counsel:

Michael Lindsay (Part time, via phone)

Claire Topp

Guests:

Karen Bartleson

Pamela Brody-Heine

Holly Elwood

Gary Hoffman

Bruce Kraemer

Carol Mills

Steve Mills

Bill Moncrief

Ron Petersen

Wayne Rifer

Sam Sciacca

Curtis Siller

Adrian Stephens

Peter Sutherland

Jerry Thrasher

Chuck Walrad

Howard Wolfman

Don Wright

1 Call to Order

Chair Hulett called the meeting to order at 9:04 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 unanimously approved.

2.2 Consent Agenda

2.2.1 Approval of 30 August 2012 SASB Meeting [Minutes](#)

2.2.2 AudCom Recommendations

Accepted (*standards work authorized*):

- C/FIPA Computer Society/Foundation for Intelligent Agents
- C/LM Computer Society/LAN/MAN Standards Committee [Conditional upon moving Public Statements to the supermajority clause]

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- PE/ED&PG Power & Energy Society/Energy Development and Power Generation
- PE/NPE Power & Energy Society/Nuclear Power Engineering
- PE/PSIM Power & Energy Society/Power System Instrumentation and Measurements
- PE/PSR Power & Energy Society/Power System Relaying
- PE/SPDHV Power & Energy Society/Surge Protective Devices – High Voltage
- PE/SPDLV Power & Energy Society/Surge Protective Devices – Low Voltage
- PE/SUB Power & Energy Society/Substations
- PE/SWG Power & Energy Society/Switchgear
- PEL Power Electronics Society/Standards Committee
- SCC39 IEEE-SASB Standard Coordinating Committee 39 – International Committee on Electromagnetic Safety [Conditional upon completion of editorial corrections contained in the review checklist]

AudCom recommends that the following Sponsors be granted a three month extension to operate under their currently approved P&Ps until a revised set of P&Ps is accepted by the IEEE-SASB:

C/SAB	Computer Society/Standards Activities Board*
C/LT	Computer Society/Learning Technology
C/SS	Computer Society/Storage Systems
C/TT	Computer Society/Test Technology
DEI	Dielectrics and Electrical Insulation Society
IAS/CI	Industry Applications Society/Cement Industry*
IAS/EM	Industry Applications Society/Electric Machines*
IAS/ES	Industry Applications Society/Energy Systems*
IAS/I&CPS	Industry Applications Society/Industrial & Commercial Power Systems*
IAS/PCI	Industry Applications Society/Petroleum & Chemical Industry*
IAS/PSE	Industry Applications Society/Power Systems Engineering*
IAS/PSP	Industry Applications Society/Power Systems Protection*
IAS/TBCC	Industry Applications Society/Technical Books Coordinating Committee*
PE/EM	Power and Energy Society/Electric Machinery
PE/IC	Power and Energy Society/Insulated Conductors*
PE/PSACE	Power and Energy Society/Power System Analysis, Computing, and Economics*
PE/PSC	Power and Energy Society/Power System Communications*
PE/T&D	Power and Energy Society/Transmission and Distribution*
RAS	Robotic and Automation Society

*Document has been submitted and is continuing under review

2.2.3 ICom Recommendations

Activity Terminations

IC11-002-02 IEEE 802.11 Patent Pool Exploratory Forum

<http://standards.ieee.org/about/sasb/iccom/IC11-002-02 IEEE 802.11 Patent Pool Exploratory Forum.pdf>

Chair requested activity disband following participant survey. Interest waned as pooling activity gravitated to incumbent administrator.

New Activity Approvals

IC12-006-02 IEEE Actionable Data Book for STEM Education

<https://iee-sa.centraldesktop.com/p/eAAAAAAAuM6AAAAAi8IWA>

Individual-Based; No Sponsoring Committee (ICCom sponsors)

IC12-007-02 Systems & Components for Energy Routers

<https://iee-sa.centraldesktop.com/p/eAAAAAAAuM7AAAAAFGr3bE>

Individual-Based; No Sponsoring Committee (ICCom sponsors)

2.2.4 NesCom Recommendations

Joint Sponsor

P1858 – COM/SDB added as joint Sponsor (with BOG/CAG)

Withdrawal Requests

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

PC62.69

Standard Specifications for Self-Restoring Current Limiter Components Used in Telecommunication Surge Protectors

Recommendation: Approve PAR withdrawal

IEEE Power and Energy Society/Switchgear

PC37.20.8

Standard for Metal-Enclosed Low-Voltage (3200V and Below) Direct Current Power Circuit Breaker Switchgear for Traction Power Applications

Recommendation: Approve PAR withdrawal

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.5

Standard for Wireless Access in Vehicular Environments (WAVE) – Communication Manager

Recommendation: Approve PAR withdrawal

Administrative Withdrawals

P1631 (BTS/RFTech)

Recommended Practice for Measurement of 8-VSB Digital Television Transmission Mask Compliance for the USA
(Revision PAR)

P1484.12.4 (C/LT)

Standard for Resource Description Framework (RDF) Binding for Learning Object Metadata Data Model
(New PAR)

P1484.12.5 (C/LT)

Standard for Resource Description Framework (RDF) Vocabulary for IEEE Learning Object Metadata (LOM) Data Elements
(New PAR)

P1363 (C/MS)

Standard Specifications for Public Key Cryptography
(Revision PAR)

P1596 (C/MS)

Standard for Scalable Coherent Interface (SCI)
(Revision PAR)

P1450.2 (C/TT)

Standard for Extensions to Standard Test Interface Language (STIL) for DC Level Specification
(Revision PAR)

P499 (IAS/CI)

Recommended Practices for Cement Plant Electric Drives and Related Electrical Equipment
(Revision PAR)

P576 (IAS/PCI)

Recommended Practice for Installation, Termination, and Testing of Insulated Power Cable as Used in Industrial and Commercial Applications
(Revision PAR)

P1714 (IAS/PCI)

Recommended Practice for Industrial Uninterruptible Power Supply (UPS) Systems
(New PAR)

P1721 (IM/MBM)

Standard for Objective Measurement of Systemic Arterial Blood Pressure in Humans
(New PAR)

P387 (PE/NPE)

Standard Criteria for Diesel-Generator Units Applied as Standby Power Supplies for Nuclear Power Generating Stations
(Revision PAR)

P1715 (PE/PSIM)

Guide for Power Measurements under Low Power Factor Conditions

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(New PAR)

P1375 (PE/SB)

Guide for the Protection of Stationary Battery Systems

(Revision PAR)

PC62.23 (PESPDHV)

Application Guide for Surge Protection of Electric Generating Plants

(Revision PAR)

PC62.42 (PE/SPDLV)

Guide for the Application of Component Surge-Protective Devices for Use in Low-Voltage [Equal to or Less than 1000 V (ac) or 1200 V (dc)] Circuits

(Revision PAR)

P1413.1 (RS/SC)

Guide for Developing and Assessing Reliability Predictions Based on IEEE Standard 1413

(Revision PAR)

P1193 (UFFC/UFFC)

Guide for Measurement of Environmental Sensitivities of Standard Frequency Generators

(Revision PAR)

P1477 (VT/RTSC)

Standard for Passenger Information System for Rail Transit Vehicles

(Revision PAR)

Modified PARs

IEEE Computer Society/LAN/MAN Standards Committee

P802.3bj

IEEE Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for 100 Gb/s Operation Over Backplanes and Copper Cables

Recommendation: Approve modified PAR

IEEE Communications Society/Standards Development Board

P1903.1

Standard for Content Delivery Protocols of Next Generation Service Overlay Network

(NGSON)

Recommendation: Approve modified PAR

P1903.2

Standard for Service Composition Protocols of Next Generation Service Overlay Network

(NGSON)

Recommendation: Approve modified PAR

P1903.3

Standard for Self-Organizing Management Protocols of Next Generation Service Overlay Network (NGSON)

Recommendation: Approve modified PAR

P1907.1

Standard for Network-Adaptive Quality of Experience (QoE) Management Scheme for Real-Time Mobile Video Communications

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

Extension Requests

IEEE Computer Society/Design Automation

P1735

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

Recommendation: Approve request for an extension until December 2013

IEEE Computer Society/Microprocessor Standards Committee

P1363.3

Standard for Identity-Based Cryptographic Techniques using Pairings

Recommendation: Approve request for an extension until December 2013

IEEE Computer Society/Software & Systems Engineering Standards Committee

P730

Standard for Software Quality Assurance Processes

Recommendation: Approve request for an extension until December 2013

P1062

Recommended Practice for Software Acquisition

Recommendation: Approve request for an extension until December 2014

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

P1278.2

Standard for Distributed Interactive Simulation (DIS) – Communication Services and Profiles

Recommendation: Approve request for an extension until December 2014

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IEEE Computer Society/Test Technology

P1149.1

Standard Test Access Port and Boundary Scan Architecture

Recommendation: Approve request for an extension until December 2013

P1450.6.2

Standard for Memory Modeling in Core Test Language (CTL)

Recommendation: Approve request for an extension until December 2013

P1687

Standard for Access and Control of Instrumentation Embedded within a Semiconductor Device

Recommendation: Approve request for an extension until December 2013

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

P11073-10201

Standard for Health Informatics – Point-of-Care Medical Device Communication – Domain Information Model

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 2013

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P299.1

Standard Method for Measuring the Shielding Effectiveness of Enclosures and Boxes Having all Dimensions Between 0.1 m and 2 m

Recommendation: Approve request for an extension until December 2013

P1642

Recommended Practice for Protecting Public Accessible Computer Systems from Intentional EMI

Recommendation: Approve request for an extension until December 2013

P1688

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

Recommendation: Approve request for an extension until December 2013

IEEE Industry Applications Society/Petroleum & Chemical Industry

P45.1

Recommended Practice for Electrical Installations on Shipboard – Design

Recommendation: Approve request for an extension until December 2015

P45.3

Recommended Practice for Shipboard Electrical Installations – Systems Engineering

Recommendation: Approve request for an extension until December 2014

P45.4

Recommended Practice for Electrical Installations on Shipboard – Marine Sectors and Mission Systems

Recommendation: Approve request for an extension until December 2014

P45.5

Recommended Practice for Electrical Installations on Shipboard – Safety Considerations

Recommendation: Approve request for an extension until December 2014

P45.6

Recommended Practice for Electrical Installations on Shipboard – Electrical Testing

Recommendation: Approve request for an extension until December 2014

P1566

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

Recommendation: Approve request for an extension until December 2013

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 2013

IEEE Industry Applications Society/Technical Books Coordinating Committee

P3001.2

Recommended Practice for Evaluating the Electrical Service Requirements of Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2014

P3001.9

Recommended Practice for the Lighting of Industrial and Commercial Facilities

Recommendation: Approve request for an extension until December 2014

P3002.7

Recommended Practice for Conducting Motor-Starting Studies in Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2014

P3002.8

Recommended Practice for Conducting Harmonic-Analysis Studies of Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2014

P3002.9

Recommended Practice for Conducting Switching-Transient Studies of Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2014

P3003.1

Recommended Practice for the System Grounding of Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2014

P3003.2

Recommended Practice for Equipment Grounding and Bonding in Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2014

P3004.10

Recommended Practice for Generator Protection in Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2014

P3004.11

Recommended Practice for Bus and Switchgear Protection in Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2014

P3005.3

Recommended Practice for the Application of Stored-Energy Systems for Use in Emergency and Stand-By Power Systems

Recommendation: Approve request for an extension until December 2014

P3005.4

Recommended Practice for Improving the Reliability of Emergency and Stand-By Power Systems

Recommendation: Approve request for an extension until December 2014

P3005.7

Recommended Practice for the Application of Metering for Energy Management of Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2014

P3006.9

Recommended Practice for Collecting Data for Use in Reliability, Availability, and Maintainability Assessments of Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2013

IEEE Instrumentation and Measurement Society/TC9 – Sensor Technology

P1451.2

Standard for a Smart Transducer Interface for Sensors and Actuators – Serial Point-to-Point Interface

Recommendation: Approve request for an extension until December 2013

IEEE Power and Energy Society/Energy Development & Power Generation

P1249

Guide for Computer Based Controls for Hydroelectric Power Plant Automation

Recommendation: Approve request for an extension until December 2013

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 2013

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 2013

P848

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

Recommendation: Approve request for an extension until December 2013

P1659

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

Recommendation: Approve request for an extension until December 2013

IEEE Power and Energy Society/Nuclear Power Engineering

P933

Guide for the Definition of Reliability Program Plans for Nuclear Generating Stations and Other Nuclear Facilities

Recommendation: Approve request for an extension until December 2013

IEEE Power and Energy Society/Power System Relaying

PC37.98

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

Recommendation: Approve request for an extension until December 2013

PC37.236

Guide for Power System Protective Relay Applications over Digital Communication Channels

Recommendation: Approve request for an extension until December 2013

IEEE Power and Energy Society/Stationary Batteries Committee

P1187

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

Recommendation: Approve request for an extension until December 2013

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

PC62.34

Standard for Test Methods and Performance of Low-Voltage (1000 V rms or less) Surge Protective Devices Used on Secondary Distribution Systems (Between the Transformer Low-Voltage Terminals and the Line Side of the Service Entrance Equipment)

Recommendation: Approve request for an extension until December 2014

PC62.37.1

Guide for the Application of Thyristor Surge Protective Device Components

Recommendation: Approve request for an extension until December 2013

IEEE Power and Energy Society/Substations

P81

Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Grounding System

Recommendation: Approve request for an extension until December 2013

P837

Standard for Qualifying Permanent Connections Used in Substation Grounding

Recommendation: Approve request for an extension until December 2014

IEEE Power and Energy Society/Switchgear

PC37.11

Standard Requirements for Electrical Control for AC High-Voltage (>1000V) Circuit Breakers

Recommendation: Approve request for an extension until December 2013

PC37.20.3

Standard for Metal-Enclosed Interrupter Switchgear (1 kV – 38 kV)

Recommendation: Approve request for an extension until December 2013

PC37.74

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Standard Requirements for Subsurface, Vault, and Padmounted Load-Interrupter Switchgear and Fused Load-Interrupter Switchgear for Alternating Current Systems up to 38 kV

Recommendation: Approve request for an extension until December 2013

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 2013

P1048

Guide for Protective Grounding of Power Lines

Recommendation: Approve request for an extension until December 2013

P1726

Guide for the Functional Specification of Fixed Transmission Series Capacitor Banks for Transmission System Applications

Recommendation: Approve request for an extension until December 2013

IEEE Power and Energy Society/Transformers

P638

Standard for Qualification of Class 1E Transformers for Nuclear Power Generating Stations

Recommendation: Approve request for an extension until December 2013

PC57.152

Guide for Diagnostic Field Testing of Fluid Filled Power Transformers, Regulators, and Reactors

Recommendation: Approve request for an extension until December 2013

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

P1704

Standard for Utility Industry End Device Communications Module

Recommendation: Approve request for an extension until December 2014

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

P1528

Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques

Recommendation: Approve request for an extension until December 2013

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IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.0

Guide for Wireless Access in Vehicular Environments (WAVE) – Architecture

Recommendation: Approve request for an extension until December 2013

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P1478

Standard for Environmental Conditions for Transit Rail Car Electronic Equipment

Recommendation: Approve request for an extension until December 2013

P1629

Standard for Performance of DC Overhead Current Collectors for Transit Vehicles

Recommendation: Approve request for an extension until December 2013

P1653.1

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

Recommendation: Approve request for an extension until December 2013

P1791

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

Recommendation: Approve request for an extension until December 2013

NEW PARs

IEEE Computer Society/LAN/MAN Standards Committee

P802.1Qbz

IEEE Standard for Local and Metropolitan Area Networks – Media Access Control (MAC) Bridges and Virtual Bridged Local Area Networks Amendment: Enhancements to Bridging of 802.11 Media Amendment

Recommendation: Approve new PAR until December 2016

P802.1Qca

IEEE Standard for Local and Metropolitan Area Networks – Media Access Control (MAC) Bridges and Virtual Bridged Local Area Networks Amendment: Path Control and Reservation

Recommendation: Approve new PAR until December 2016

P802.3bp

IEEE Standard for Ethernet – Amendment Physical Layer Specifications and Management Parameters for 1 Gb/s Operation over Fewer than Three Twisted Pair Copper Cable

Recommendation: Approve new PAR until December 2016

P802.11ak

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 Transit Links within Bridged Networks

Recommendation: Approve new PAR until December 2016

P802.11aq

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: Pre-Association Discovery

Recommendation: Approve new PAR until December 2016

P802.15.4q

IEEE Standard for Local and Metropolitan Area Networks – Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs) Amendment for an Ultra Low Power Physical Layer

Recommendation: Approve new PAR until December 2016

P802.16r

IEEE Standard for Air Interface for Broadband Wireless Access Systems – Amendment for Small Cell Backhaul (SCB)

Recommendation: Approve new PAR until December 2016

IEEE Computer Society/Software & Systems Engineering Standards Committee

P29119-5

Software and Systems Engineering – Software Testing - Part 5: Keyword-Driven Testing

Recommendation: Approve new PAR until December 2016

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

P11073-10301-1

Health Informatics – Point-of-Care Medical Device Communication – Part 10301-1: Device Specialization – Infusion Pump, General

Recommendation: Approve new PAR until December 2016

P11073-10302-1

Health Informatics – Point-of-Care Medical Device Communication – Part 10302-1: Device Specialization – Physiologic Monitor, General

Recommendation: Approve new PAR until December 2016

P11073-10303-1

Health Informatics – Point-of-Care Medical Device Communication – Part 10303-1: Device Specialization – Ventilator, General

Recommendation: Approve new PAR until December 2016

P11073-20201

Health Informatics – Point-of-Care Medical Device Communication – Part 20201:
Application Profile – Polling Mode

Recommendation: Approve new PAR until December 2016

P11073-20202

Health Informatics – Point-of-Care Medical Device Communication – Part 20202:
Application Profile – Baseline Asynchronous Mode

Recommendation: Approve new PAR until December 2016

P11073-20301

Health Informatics – Point-of-Care Medical Device Communication – Part 20301:
Application Profile – Optional Package, Remote Control

Recommendation: Approve new PAR until December 2016

P11073-20401

Health Informatics – Point-of-Care Medical Device Communication – Part 20401:
Application Profile – Common Networking Services

Recommendation: Approve new PAR until December 2016

IEEE Power and Energy Society/Power System Relaying

PC37.237

Standard Requirements for Time Tags Created by Intelligent Electronic Devices –
COMTAG

Recommendation: Approve new PAR until December 2016

IEEE Power and Energy Society/Substations

P2030.101

Guide for Designing a Time Synchronization System for Power Substations

Recommendation: Approve new PAR until December 2016

IEEE Power and Energy Society/Transmission and Distribution

P1882

Guide for Establishing, Benchmarking, and Maintaining a Live Energized Working
Program

***Recommendation: Conditionally approve new PAR until December 2016
contingent on "for live energized transmission lines" being added to the title
and purpose***

IEEE Power and Energy Society/Transformers

PC57.12.60-2009/Cor 1

IEEE Standard Test Procedure for Thermal Evaluation of Insulation Systems for Dry-Type
Power and Distribution Transformers, Including Open-Wound, Solid-Cast, and Resin-
Encapsulated Transformers – Corrigendum 1

Recommendation: Approve new PAR until December 2016

PARs for the Revision of Standards

IEEE Computer Society/LAN/MAN Standards Committee

P802.22.1

Standard for Information Technology – Telecommunications and Information Exchange between Systems – Local and Metropolitan Area Networks – Specific Requirements Part 22.1: Standard to Enable Spectrum Sharing using Advanced Beaconing

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

IEEE Power and Energy Society/Nuclear Power Engineering

P692

Standard Criteria for Security Systems for Nuclear Power Generating Stations

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

IEEE Power and Energy Society/Switchgear

PC37.20.1

Standard for Metal-Enclosed Low Voltage (1000 Vac and below, 3200 Vdc and below) Power Circuit Breaker Switchgear

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

PC37.23

Standard for Metal-Enclosed Bus

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

PC37.41

Standard Design Tests for High-Voltage (>1000 V) Fuses and Accessories

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

PC37.60

High-Voltage Switchgear and Controlgear – Part 111: Automatic Circuit Reclosers and Fault Interrupters for Alternating Current Systems up to 38 kV

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

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.12

Standard for Wireless Access in Vehicular Environments (WAVE) – Identifier Allocations

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

2.2.5 RevCom Recommendations

NEW

P422/Draft P422 D4 (PE/ED&PG) Guide for the Design of Cable Raceway Systems for Electric Generating Facilities

Recommendation: APPROVE

P835a/Draft 2 (PE/IC) Standard Power Cable Ampacity Tables – Amendment 1: Revision to Introduction

Recommendation: APPROVE

P1653.3/Draft 54 (VT/RTSC) Guide for Rail Transit Traction Power Systems Modeling

Recommendation: APPROVE

P1785.1/Draft 3 (MTT/SCC) Standard for Rectangular Metallic Waveguides and Their Interfaces for Frequencies of 110 GHz and Above. Part 1: Frequency Bands and Waveguide Dimensions

Recommendation: APPROVE

P1793/Draft 5 (PE/IC) Guide for Planning and Designing Transition Facilities between Overhead and Underground Transmission Lines

Recommendation: APPROVE

P1900.1a/Draft 2.0 (COM/DySPAN-SC) Standard for Definitions and Concepts for Dynamic Spectrum Access: Terminology Relating to Emerging Wireless Networks, System Functionality, and Spectrum Management Amendment: Addition of New Terms and Associated Definitions

Recommendation: APPROVE

P11073-10102/Draft D03 (EMB/11073) Standard for Health Informatics – Point-of-Care Medical Device Communication – Nomenclature – Annotated ECG

Recommendation: APPROVE

P62582-3/Draft 2 (PE/NPE) Standard for Nuclear Power Plants – Instrumentation and Control Important to Safety – Electrical Equipment Condition Monitoring Methods – Part 3: Elongation at Break

Recommendation: APPROVE

PC57.12.10-2010/Cor 1/Draft 1 (PE/TR) Standard Requirements for Liquid-Immersed Power Transformers – Corrigendum 1: Correction of Clause 5.1.9 Sudden Pressure Relay

Recommendation: APPROVE

PC57.12.52/Draft D6 (PE/TR) Standard for Sealed Dry-Type Power Transformers, 501 kVA and Larger, Three-Phase, with High-Voltage 601 to 34500 Volts, Low-Voltage 208Y/120 to 4160 Volts – General Requirements

Recommendation: APPROVE

PC57.17/Draft 5 (PE/TR) Standard Requirements for Arc Furnace Transformers

Recommendation: APPROVE

PC57.143/Draft 25 (PE/TR) Guide for Application for Monitoring Equipment to Liquid-Immersed Transformers and Components

Recommendation: APPROVE

PC57.149/Draft D3 (PE/TR) Guide for the Application and Interpretation of Frequency Response Analysis for Oil Immersed Transformers

Recommendation: APPROVE

PC57.150/Draft D11 (R1) (PE/TR) Guide for the Transportation of Transformers and Reactors Rated 10,000 kVA or Larger

Recommendation: APPROVE

PC62.39/Draft D3 (PE/SPDLV) Standard for Test Methods and Preferred Values for Self-Restoring Current Limiter Components Used in Telecommunication Surge Protection

Recommendation: Conditionally approve

Conditionally approve PC62.39 conditional upon the receipt of the copyright permissions

PC62.41.2-2002/Cor 1/Draft 2 (PE/SPDLV) Recommended Practice on Characterization of Surges in Low-Voltage (1000 V and less) AC Power Circuits – Corrigendum 1

Recommendation: APPROVE

PC93.4/Draft 16 (PE/PSC) Standard for Power-Line Carrier Line-Tuning Equipment (30-500 kHz) Associated With Power Transmission Lines

Recommendation: APPROVE

REVISION

P18/Draft 3 (PE/T&D) Standard for Shunt Power Capacitors

Recommendation: APPROVE

P81/Draft 12 (PE/SUB) Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Grounding System

Recommendation: APPROVE

P308/Draft 8 (PE/NPE) Standard for Standard Criteria for Class 1E Power Systems for Nuclear Power Generating Stations

Recommendation: APPROVE

P765/Draft 3 (PE/NPE) Standard for Preferred Power Supply (PPS) for Nuclear Power Generating Stations (NPGS)

Recommendation: APPROVE

P998/Draft 14.1 (PE/SUB) Guide for Direct Lightning Stroke Shielding of Substations

Recommendation: APPROVE

P1067/Draft 5 (PE/T&D) Guide for In-Service Use, Care, Maintenance, and Testing of Conductive Clothing for Use on Voltages Up to 765 kV ac and +/-750 kV dc

Recommendation: APPROVE

P1143/Draft 7 (PE/IC) Guide on Shielding Practice for Low Voltage Cables

Recommendation: APPROVE

P1332/Draft 4 (RS/SC) Reliability Program for the Development and Production of Electronic Products

Recommendation: APPROVE

P1475/Draft D2.0 (VT/RTSC) Standard for the Functioning of and Interfaces Among Propulsion, Friction Brake, and Train-Borne Master Control on Rail Rapid Transit Vehicles

Recommendation: APPROVE

P1671.2/Draft 15 (SASB/SCC20) Standard for Automatic Test Markup Language (ATML) Instrument Description

Recommendation: APPROVE

P1800/Draft D6 (C/DA) Standard for System Verilog – Unified Hardware Design, Specification, and Verification Language

Recommendation: APPROVE

PC37.96/Draft 11 (PE/PSR) Guide for AC Motor Protection

Recommendation: APPROVE

PC37.99/Draft 7.1 (PE/PSR) Guide for the Protection of Shunt Capacitor Banks

Recommendation: APPROVE

PC37.121/Draft D16 (PE/SWG) Guide for Switchgear – Unit Substation – Requirements

Recommendation: APPROVE

PC57.19.100/Draft 12 (PE/TR) Guide for Application of Power Apparatus Bushings

Recommendation: APPROVE

PC62.37.1/Draft 3 (PE/SPDLV) Guide for the Application of Thyristor Surge Protective Device Components

Recommendation: APPROVE

PC62.92.3/Draft 4 (PE/SPDHV) Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part III – Generator Auxiliary Systems

Recommendation: APPROVE

REAFFIRMATION

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270-2006 (SASB/SCC14) IEEE Standard Definitions for Selected Quantities, Units, and Related Terms, with Special Attention to the International System of Units (SI)

Recommendation: APPROVE

286-2000 (R2006) (PE/EM) IEEE Recommended Practice for Measurement of Power Factor Tip-Up of Electric Machinery Stator Coil Insulation

Recommendation: APPROVE

434-2006 (PE/EM) IEEE Guide for Functional Evaluation of Insulation Systems for AC Electric Machines Rated 2300 V and Above

Recommendation: DISAPPROVE

Disapprove 434-2006 and the remedy is to perform a recirculation

835-1994 (R2006) (PE/IC) IEEE Standard Power Cable Ampacity Tables

Recommendation: APPROVE

1202-2006 (PE/IC) IEEE Standard for Flame-Propagation Testing of Wire & Cable

Recommendation: APPROVE

1235-2000 (R2006) (PE/IC) IEEE Guide for the Properties of Identifiable Jackets for Underground Power Cables and Ducts

Recommendation: APPROVE

C37.102-2006 (PE/PSR) IEEE Guide for AC Generator Protection

Recommendation: APPROVE

TRIAL-USE UPGRADE

1671.1-2009 (SASB/SCC20) IEEE Trial-Use Standard for Automatic Test Markup Language (ATML) for Exchanging Automatic Test Equipment and Test Information Via XML: Exchanging Test Descriptions

Recommendation: Elevate status of standard from trial-use to full-use

1636.1-2007 (SASB/SCC20) IEEE Trial-Use Standard for Software Interface for Maintenance Information Collection and Analysis (SIMICA): Exchanging Test Results and Session Information via the eXtensible Markup Language (XML)

Recommendation: Elevate status of standard from trial-use to full-use

1636.2-2010 (SASB/SCC20) IEEE Trial-Use Standard for Software Interface for Maintenance Information Collection and Analysis (SIMICA): Exchanging Maintenance Action Information via the Extensible Markup Language (XML)

Recommendation: Elevate status of standard from trial-use to full-use

1671.5-2008 (SASB/SCC20) IEEE Trial-Use Standard for Automatic Test Markup Language (ATML) for Exchanging Automatic Test Information via XML: Exchanging Test Adapter Information

Recommendation: Elevate status of standard from trial-use to full-use

1671.6-2008 (SASB/SCC20) IEEE Trial-Use Standard for Automatic Test Markup Language (ATML) for Exchanging Automatic Test Information via XML: Exchanging Test Station Information

Recommendation: Elevate status of standard from trial-use to full-use

1636-2009 (SASB/SCC20) IEEE Trial-Use Standard for Software Interface for Maintenance Information Collection and Analysis (SIMICA)

Recommendation: Elevate status of standard from trial-use to full-use

3 Legal Update

Claire Topp noted that the BOG recommended that the IEEE file an amicus brief that describes the standards development process and the role that letters of assurance play in that process in Apple Inc. v. Motorola Inc., and that the IEEE did file.

3.1 Executive Session

Item 3.1 was discussed in Executive Session.
Executive Session began at 10:30 a.m. and ended at 11:21 a.m.

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

Konstantinos Karachalios, IEEE-SA Managing Director, reported. He gave a big Thank You to the IEEE-SA IT staff team for its work during and after Hurricane Sandy.

5 Old Business

None.

6 SASB Standing Committee Reports

6.1 Audit Committee ([AudCom](#))

Ted Olsen, AudCom Chair, reported. Ted thanked Peter Balma for leading the effort to update the baseline documents.

There was a motion:

The SASB directs that the revised WG P&P, as prepared by AudCom, be used immediately by all EASC working groups (including those in the P1680.x family) until such time as EASC submits differing working group P&P and such revised working group P&P are reviewed by AudCom and found to be without issues (e.g., accepted).

There was a motion to Amend:

The SASB directs that the revised WG P&P, as prepared by AudCom, be amended as follows:

- **Replace clause 6.1 with the text in the attached document (to preclude co-chairs)**
- **Replace clause 6.2 with the text in the attached document (to prescribe the election of officers)**

The SASB further directs that the SASB revised WG P&P be used immediately by all EASC working groups (including those in the P1680.x family) for at least one year.

The amendment was approved. The amended main motion was then approved.

It was noted that the P1680.1 (PAR for revision) conditional approval from June 2012 is now satisfied.

There was a motion:

- **An SASB Oversight Committee for C/EASC activities shall be created by the SASB Chair and serve until disbanded.**
- **The SASB directs the Oversight Committee to conduct elections for new working group officers for all C/EASC WGs, in accordance with the C/EASC WG P&P.**

The motion was approved.

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 Bylaws [Official Statements].

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

David Law, RevCom Chair, reported.

After lunch, Konstantinos Karachalios thanked Rich Hulett for his service as the SASB Chair in 2011 and 2012; and for his 12 years of continual service on the SASB. A gift from the Standards Association was presented to Rich.

7 Standards Coordinating Committee Reports

7.1 SCC Coordinator's [Report](#)

John Kulick reported in Ted Burse's absence.

**There was a motion:
Accept the submitted reports from SCC21, SCC31, and SCC39. The motion was approved, as there was no objection to unanimous consent.**

7.2 Scheduled Reports Due in December:

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

Dick DeBlasio, SCC21 Chair, also provided a verbal update.

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

7.2.3 [SCC39](#) – Test and Diagnosis for Electronic Systems (Ralf Bodemann)

Ron Petersen, SCC39 Secretary, provided an [update](#).

8 Ad Hoc Reports

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

[Totality of P&P changes](#)

[Appeal hearing script](#)

[Flowchart](#)

[Appeal brief template](#)

Jim Hughes reported in Ted Burse's absence. The ad hoc recommendation to disband was accepted.

8.2 Information Exchange Ad Hoc [Report](#)

Wael Diab, Information Exchange (aka Draft Sharing) Ad Hoc Chair, reported.

9 Liaison Reports

9.1 DOE Report

Dick DeBlasio, DOE Representative, provided a verbal report. Dick noted that \$42 billion in stimulus money has already been allocated (e.g., \$4.3 billion in smart grid grants).

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.

10.2 CAG [Report](#)

Jim Hughes, CAG member, reported.

10.3 SASB Chair's [Report](#)

Chair Hulett reported.

Two requests from the BOG for P&P changes/additions were noted:

Motion 1:

Considering the SA OpMan ER policy indicates that appointment is for no less than 1 year,
BOG approval of ERs, where the OBC does not indicate a term, shall be for 2 years.

Motion 2:

Considering that the SA OpMan mentions "liaison" in its definition of ER policy, the SASB OpMan specifically defines the policy for an "IEC Category D liaison", and the IEEE-SA website lists many existing formal liaisons,
Request ProCom define a "liaison" policy in the rules.

AI – Chair Hulett will write up formal requests to ProCom for the March 2013 meeting.

Chair Hulett and IEEE-SA President Mills both thanked the SASB members for their service.

11 New Business

None.

12 Upcoming Meetings

12. 1 The [next meeting](#) of the IEEE-SA Standards Board will be 6 March 2013 in Piscataway, NJ, USA.

12.2 Approval of the 2014 Calendar

There was motion:

Approve the 2014 SASB Calendar, moving the March dates to be 25-27. The [amended calendar](#) was approved.

Moira Patterson gave an [update](#) on Brussels outreach and activity planning.

Chair Hulett thanked Mary Ellen Hanntz for her exemplary meeting planning throughout the year.

13 SASB Resolutions

The SASB directed that the C/EASC WG P&P, as revised by the SASB, be used immediately by all EASC working groups for at least one year.

An SASB Oversight Committee for C/EASC activities will be created by the SASB Chair and serve until disbanded. The Oversight Committee will conduct elections for new working group officers for all C/EASC WGs, in accordance with the C/EASC WG P&P.

14 Adjournment

There being no further business, the meeting was adjourned at 3:08 p.m.