

IEEE-SA Standards Board Meeting Minutes – December 2011

IEEE-SA Standards Board Meeting Minutes**7 December 2011****IEEE Operations Center, Piscataway, New Jersey, USA****9:00 a.m. – 3:00 p.m.**

Attendees:

Chair:

Rich Hulett

Past Chair:

Bob Grow

Vice Chair:

John Kulick

Secretary:

Judith Gorman

Members:

Masayuki Ariyoshi

Ted Burse

Clint Chaplin

Wael Diab

Paul Houzé

Jim Hughes

David Law

Oleg Logvinov

Ted Olsen

Gary Robinson

Jon Rosdahl

Sam Sciacca

Mike Seavey

Phil Winston

Howard Wolfman

Don Wright

Dick DeBlasio, DOE Representative

Michael Janezic, NIST Representative

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Members Absent:

Bill Bartley
Jean-Philippe Faure
Alex Gelman
Thomas Lee
Hung Ling
Curtis Siller

Joseph Koepfinger, Member Emeritus

IEEE-SA Staff:

Kathryn Bennett
Matt Ceglia
Donna Ceruto
Terry deCourcelle
Francesca Drago
Karen Evangelista
Tricia Gerdon
Krista Gluchoski
Jodi Haasz
Mary Ellen Hanntz
Yvette HoSang
Noelle Humenick
Karen Kenney
Mike Kipness
Bob LaBelle
Juanita Lewis
Karen McCabe
Mary Lynne Nielsen
Moirra Patterson
Dave Ringle, Recording Secretary
Ana Sainvilus
Alpesh Shah
Erin Spiewak
Susan Tatiner
Angela Thomas
Cherry Tom
Sue Vogel
Charmain Williams
Joan Woolery
Lisa Yacone
Shuang Yu
Malia Zaman

IEEE Outside Legal Counsel:

Claire Topp

Guests:

Karen Bartleson
Lloyd Green
Karine Iffour
Young Kyun Kim
Bruce Kraemer
Eileen Lach
Peter Lefkin
Marco Migliaro
Carol Mills
Steve Mills
Jim Moore
Paul Nikolich
Ron Petersen
Adrian Stephens
Ravi Subramaniam
Yatin Trivedi

1 Call to Order

Chair Hulett called the meeting to order at 9:00 a.m. There was a round of introductions by all present.

Chair Hulett gave a special welcome to Karine Iffour, Director Business Development Europe, and Eileen Lach, in-house legal counsel for the IEEE.

2 [Agenda](#)

2.1 Approval of Agenda

Chair Hulett noted that item 9.2 will occur at 11:30 a.m.

The agenda was approved without objection.

2.2 Consent Agenda

2.2.1 AudCom Recommendations

Accepted (*standards work authorized*):

- EMC/SDCom – Electromagnetic Compatibility Society/Standards Development Committee
- AES/UWBRC – Aerospace and Electronic Systems Society/Ultrawideband Radar Committee [Conditionally accepted contingent upon editorial corrections being made]

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- C/MSC – Computer Society/Microprocessor Standards Committee [Conditionally accepted contingent upon the removal of brackets in the document]

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

- C/FIPA – Computer Society/Foundation for Intelligent Physical Agents – RECEIVED
- C/IA – Computer Society/Information Assurance – RECEIVED
- C/LT – Computer Society/Learning Technology
- DEI/SC – Dielectrics and Electrical Insulation Society/Standards Committee

AudCom recommends acceptance of ComSoc/PLC operating under the currently approved ComSoc P&P conditional upon the SASB recognition of ComSoc/PLC as a Sponsor (a standards subcommittee organized by the ComSoc Standards Board).

2.2.2 NesCom Recommendations

Withdrawal Requests

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

P11073-10202

Standard for Health informatics – Point-of-Care Medical Device Communication – Domain Information Model (DIM) – XML Schema Format

Recommendation: Approve PAR withdrawal

P11073-20301

Standard for Health Informatics – Point-of-Care Medical Device Communication – Application Profile – Optional Package, Remote Control

Recommendation: Approve PAR withdrawal

P11073-20401

Standard for Health Informatics – Point-of-Care Medical Device Communication – Application Profile – Common Networking Infrastructure

Recommendation: Approve PAR withdrawal

IEEE Instrumentation and Measurement Society/TC9 – Sensor Technology

P1451.1

Standard for A Smart Transducer Interface for Sensors and Actuators – Network Capable Application Processor (NCAP) Information Model

Recommendation: Defer PAR withdrawal

IEEE Power and Energy Society/Insulated Conductors

P1299

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Guide for the Connection of Surge Arresters to Protect Insulated, Shielded Electric Power Cable Systems

Recommendation: Approve PAR withdrawal

IEEE Power and Energy Society/Power System Relaying

PC37.113

Guide for Protective Relay Applications to Transmission Lines

Recommendation: Approve PAR withdrawal

IEEE Power and Energy Society/Transformers

PC57.12.37a

IEEE Standard for the Electronic Reporting of Distribution Transformer Test Data – Amendment: Updating to Include Efficiency Fields

Recommendation: Approve PAR withdrawal

PC57.32

Standard Requirements, Terminology and Test Procedures for Neutral Grounding Devices

Recommendation: Approve PAR withdrawal

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

P1528.4

Recommended Practice for Determining the Peak Spatial Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz – 6 GHz: Requirements for Using the Finite-Element Method for SAR Calculations, Specifically Involving Vehicle Mounted Antennas and Personal Wireless Devices

Recommendation: Approve PAR withdrawal

Modified PARs

IEEE Computer Society/LAN/MAN Standards Committee

P802.15.6

Standard for Wireless Body Area Networks

Recommendation: Approve modified PAR

P802.16n

IEEE Standard for Local and Metropolitan Area Networks Part 16: Air Interface for Broadband Wireless Access Systems Amendment: Higher Reliability Networks

Recommendation: Approve modified PAR

P802.16p

IEEE Standard for Air Interface for Broadband Wireless Access Systems Amendment: Enhancements to Support Machine-to-Machine Applications

Recommendation: Approve modified PAR

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IEEE Computer Society/Software & Systems Engineering Standards Committee

P828

Standard for Configuration Management in Systems and Software Engineering

Recommendation: Approve modified PAR

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 modified PAR

IEEE Power and Energy Society/Power System Communications

P1138-2009/Cor 1

Standard for Testing and Performance for Optical Ground Wire (OPGW) for Use on Electric Utility Power Lines – Corrigendum 1: Stress Strain Temperature Correction

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Switchgear

P62271-37-082

Standard for High-Voltage Switchgear and Controlgear – Part 37-082: Measurement of Sound Pressure Levels on Alternating Current Circuit-Breakers

Recommendation: Approve modified PAR

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

P1705

Standard for Compliance Testing to Utility Industry Metering Communications Protocol Standards

Recommendation: Conditionally approve modified PAR contingent on working group chair information being added to the PAR form

Extension Requests

IEEE Computer Society/LAN/MAN Standards Committee

P802.15.4e

IEEE Standard for Local and Metropolitan Area Networks Part 15.4: Low Rate Wireless Personal Area Networks (LR-WPANs) Amendment to the MAC Sub-Layer

Recommendation: Approve request for an extension until December 2012

P802.15.6

Standard for Information Technology – Telecommunications and Information Exchange Between Systems – Local and Metropolitan Area Networks – Specific Requirements – Part 15.6: Wireless Medium Access Control (MAC) and Physical Layer (PHY)

Specifications for Wireless Personal Area Networks (WPANs) Used in or around a Body.

Recommendation: Approve request for an extension until December 2012

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IEEE Computer Society/Microprocessor Standards Committee

P1363

Standard Specifications for Public Key Cryptography

Recommendation: Approve request for an extension until December 2012

P1363.3

Standard for Identity-Based Cryptographic Techniques Using Pairings

Recommendation: Approve request for an extension until December 2012

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

P1278.1

Standard for Distributed Interactive Simulation – Application Protocols

Recommendation: Approve request for an extension until December 2012

IEEE Computer Society/Test Technology

P1450.6.2

Standard for Memory Modeling in Core Test Language (CTL)

Recommendation: Approve request for an extension until December 2012

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

P11073-00103

Guide for Health Informatics – Personal Health Device Communication – Overview

Recommendation: Approve request for an extension until December 2012

P11073-10103

Standard for Health informatics – Point-of-Care Medical Device Communication – Nomenclature – Implantable Device, Cardiac

Recommendation: Approve request for an extension until December 2012

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 2012

IEEE Industry Applications Society/Petroleum & Chemical Industry

P515.1

Standard for the Testing, Design, Installation, and Maintenance of Electrical Resistance Heat Tracing for Commercial Applications

Recommendation: Approve request for an extension until December 2012

P1584

Guide for Performing Arc-Flash Hazard Calculations

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 – Transducer to Microprocessor Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats

Recommendation: Approve request for an extension until December 2012

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 2012

P971

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

Recommendation: Approve request for an extension until December 2013

P1300

Guide for Cable Connections for Gas Insulated Substations

Recommendation: Approve request for an extension until December 2012

P1718

Guide for Temperature Monitoring of Cable Systems

Recommendation: Approve request for an extension until December 2012

IEEE Power and Energy Society/Power System Communications

PC93.4

Standard for Power-Line Carrier Line-Tuning Equipment (30-500 kHz) Associated with Power Transmission Lines

Recommendation: Approve request for an extension until December 2012

IEEE Power and Energy Society/Power System Relaying

PC37.111

Standard for Common Format for Transient Data Exchange (COMTRADE) for Power Systems

Recommendation: Approve request for an extension until December 2012

PC37.236

Guide for Power System Protective Relay Applications over Digital Communication Channels

Recommendation: Approve request for an extension until December 2012

IEEE Power and Energy Society/Stationary Batteries Committee

P1187

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

Recommendation: Approve request for an extension until December 2012

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

PC62.92.3

Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part III – Generator Auxiliary Systems

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

IEEE Power and Energy Society/Substations

P979

Guide for Substation Fire Protection

Recommendation: Approve request for an extension until December 2012

P998

Guide for Direct Lightning Stroke Shielding of Substations

Recommendation: Approve request for an extension until December 2013

P1677

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

Recommendation: Approve request for an extension until December 2012

IEEE Power and Energy Society/Transmission and Distribution

P18

Standard for Shunt Power Capacitors

Recommendation: Approve request for an extension until December 2013

P1409

Guide for the Application of Power Electronics for Power Quality Improvement on Distribution Systems Rated 1 kV through 38 kV

Recommendation: Approve request for an extension until December 2012

P1564

Guide for Voltage Sag Indices

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 2012

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 2012

P65700-19-03

Standard for Bushings for DC Application

Recommendation: Approve request for an extension until December 2013

PC57.12.52

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 request for an extension until December 2012

PC57.17

Standard Requirements for Arc Furnace Transformers

Recommendation: Approve request for an extension until December 2012

PC57.19.100

Guide for Application of Power Apparatus Bushings

Recommendation: Approve request for an extension until December 2012

PC57.98

Guide for Transformer Impulse Tests

Recommendation: Approve request for an extension until December 2012

PC57.131

Standard Requirements for Tap Changers

Recommendation: Approve request for an extension until December 2012

PC57.150

Guide for the Transportation of Transformers and Reactors Rated 10,000 kVA or Larger

Recommendation: Approve request for an extension until December 2012

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

P1377

Standard for Utility Industry Metering Communication Protocol Application Layer (End Device Data Tables)

Recommendation: Approve request for an extension until December 2012

P1705

Standard for Compliance Testing Standard for Utility Industry Metering Communications Protocol Standards

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 2012

P1629

Standard for Performance of DC Overhead Current Collectors for Transit Vehicles

Recommendation: Approve request for an extension until December 2012

Standard for Supporting Structures for Overhead Contact Systems for Transit Systems

Recommendation: Approve request for an extension until December 2012

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 2012

New PARs

IEEE Computer Society/LAN/MAN Standards Committee

P802.15.9

Recommended Practice for Transport of Key Management Protocol (KMP) Datagrams

Recommendation: Approve new PAR until December 2015

P802.16.1a

Standard for WirelessMAN-Advanced Air Interface for Broadband Wireless Access Systems – Amendment: Higher Reliability Networks

Recommendation: Approve new PAR until December 2015

P802.16.1b

Standard for WirelessMAN-Advanced Air Interface for Broadband Wireless Access Systems – Amendment: Enhancements to Support Machine-to-Machine Applications

Recommendation: Approve new PAR until December 2015

P802.22b

Standard for Information Technology – Telecommunications and Information Exchange Between Systems Wireless Regional Area Networks (WRAN) – Specific Requirements Part 22: Cognitive Wireless RAN Medium Access Control (MAC) and Physical Layer (PHY)

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Specifications: Policies and Procedures for Operation in the TV Bands Amendment: Enhancement for Broadband Services and Monitoring Applications

Recommendation: Approve new PAR until December 2015

IEEE Communications Society/Standards Committee

P1903.1

Standard for Content Delivery Protocols of Next Generation Service Overlay Network (NGSON)

Recommendation: Approve new PAR until December 2015

P1903.2

Standard for Service Composition Protocols of Next Generation Service Overlay Network (NGSON)

Recommendation: Approve new PAR until December 2015

P1903.3

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

Recommendation: Approve new PAR until December 2015

P1908.1

Virtual Keyboard Standard for Indic Languages

Recommendation: Approve new PAR until December 2015

P1909.1

Recommended Practice for Smart Grid Communication Equipment – Test Methods and Installation Requirements

Recommendation: Approve new PAR until December 2015

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

P1451S

Recommended Practice for Signal Treatment Applied to Smart Transducers

Recommendation: Defer approval of new PAR while project numbering is worked out

IEEE Instrumentation and Measurement Society/TC9 – Sensor Technology

P1451.1

Standard for Smart Transducer Interface for Sensors and Actuators – Common Network Services

Recommendation: Defer approval of new PAR. PAR should have been submitted as a PAR for Revision.

P1451.1D

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Standard for a Smart Transducer Interface for Sensors, Actuators, and Devices – eXtensible Messaging and Presence Protocol (XMPP) for Networked Device Communication

Recommendation: Defer approval of new PAR while project numbering is worked out

IEEE Power and Energy Society/Insulated Conductors

P1202-2006/Cor 1

Standard for Flame-Propagation Testing of Wire & Cable – Corrigendum 1

Recommendation: Approve new PAR until December 2015

IEEE Power and Energy Society/Power System Communications

P487.4

Standard for the Electrical Protection of Communication Facilities Serving Electric Supply Locations through the Use of Neutralizing Transformers.

Recommendation: Approve new PAR until December 2015

P487.5

Standard for the Electrical Protection of Communication Facilities Serving Electric Supply Locations through the Use of Isolation Transformers

Recommendation: Approve new PAR until December 2015

IEEE Power and Energy Society/Switchgear

PC37.30.3

Standard Requirements for High Voltage Interrupter Switches, Interrupters or Interrupting Aids used on or attached to High Voltage Switches Rated for Alternating Currents above 1000 Volts

Recommendation: Defer approval of new PAR to clarify information. Ted Olsen assigned as mentor.

IEEE Power and Energy Society/Transformers

PC57.157

Guide for Conducting Functional Life Tests for De-Energized Tap-Changer Contacts

Recommendation: Approve new PAR until December 2015

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

P62704-4

Standard for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz – 6 GHz: General Requirements for Using the Finite Element Method Wireless Devices

Recommendation: Approve new PAR until December 2015

PARs for the Revision of Standards

IEEE Engineering in Medicine and Biology Society/IEEE 11073TM Standards Committee
P11073-20601

Standard for Health Informatics – Personal Health Device Communication – Application Profile – Optimized Exchange Protocol

Recommendation: Approve PAR for the revision of a standard until December 2015

IEEE Power and Energy Society/Insulated Conductors

PC62.22.1

Guide for the Connection of Surge Arresters to Protect Insulated Shielded Electric Power Cable Systems Up to 46 kV

Recommendation: Approve PAR for the revision of a standard until December 2015

IEEE Power and Energy Society/Power System Relaying

PC37.113

Guide for Protective Relay Applications to Transmission Lines

Recommendation: Approve PAR for the revision of a standard until December 2015

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

PC62.48

Guide for Interactions between Power System Disturbances and Surge Protective Devices

Recommendation: Defer approval of PAR for the revision of a standard due to an outstanding comment

IEEE Power and Energy Society/Switchgear

PC37.30.4

Standard for Test Code for Switching and Fault Making Tests for High Voltage Interrupter Switches, Interrupters or Interrupting Aids used on or Attached to High Voltage Switches Rated for Alternating Currents Above 1000 Volts

Recommendation: Defer approval of PAR for the revision of a standard until it is brought into synch with PC37.30.3. Ted Olsen assigned as mentor.

PC37.60

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

Recommendation: Approve Modified PAR [PAR was originally submitted as a revision PAR. It has been changed to and approved as a modified PAR but cannot be moved to correct PAR type on agenda due to system issue].

PC37.100.1

Standard of Common Requirements for High Voltage Power Switchgear Rated Above 1000 V

Recommendation: Approve PAR for the revision of a standard until December 2015

IEEE Power and Energy Society/Transformers

P1276

Guide for the Application of High-Temperature Insulation Materials in Liquid-Immersed Power Transformers

Recommendation: Defer approval of PAR for the revision of a standard due to an outstanding comment

PC57.12.36

Standard Requirements for Liquid-Immersed Distribution Substation Transformers

Recommendation: Approve PAR for the revision of a standard until December 2015

PC57.12.37

Standard for the Electronic Reporting of Distribution Transformer Test Data

Recommendation: Approve PAR for the revision of a standard until December 2015

PC57.12.59

Guide for Dry-Type Transformer Through-Fault Current Duration

Recommendation: Approve PAR for the revision of a standard until December 2015

PC57.32

Standard Requirements, Terminology, and Test Procedures for Neutral Grounding Devices

Recommendation: Approve PAR for the revision of a standard until December 2015

PC57.134

Guide for Determination of Hottest-Spot Temperature in Dry-Type Transformers

Recommendation: Approve PAR for the revision of a standard until December 2015

IEEE-SASB Coordinating Committees/SCC04 – Electrical Insulation

P98

Standard for the Preparation of Test Procedures for the Thermal Evaluation of Solid Electrical Insulating Materials

Recommendation: Approve PAR for the revision of a standard until December 2015

PARs for Administrative Withdrawal

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P1780 AES/GA Standard Specification Format Guide and Test Procedure for Inertial Measurement Units (IMU)

P1700 C/IA Standard for Information System Security Assurance Architecture (ISSAA)

P802.11mb 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: Accumulated Maintenance Changes

P1003.27 C/PA Information Technology - POSIX(R) C++ Language Interfaces - Binding for System Application Program Interface (API)

P1723 C/S2ESC Standard for SOA (Service-Oriented Architecture) Solution Reference Architecture

P1244.2 C/SS Standard for Media Management System (MMS) Session Security, Authentication, Initialization Protocol (SSAIP)

P1244.3 C/SS Standard for Media Management System (MMS) Media Management Protocol (MMP)

P1244.4 C/SS Standard for Media Management System (MMS) Drive Management Protocol (DMP)

P1244.5 C/SS Standard for Media Management System (MMS) Library Management Protocol (LMP)

P11073-30503 EMB/11073 Standard for Health Informatics - Point-of-care Medical Device communication - Transport Profile - RF Wireless - Local area network (wLAN)

P1642 EMC/SDCom Recommended Practice for Protecting Public Accessible Computer Systems from Intentional EMI

P1095 PE/ED&PG Guide for the Installation of Vertical Generators and Generator/Motors for Hydroelectric Applications

P1719 PE/EM Guide for Evaluating Stator Cores of AC Synchronous Electric Machines Rated 1 MVA and Higher

P622 PE/NPE Recommended Practice for the Design and Installation of Electric Heat Tracing Systems for Nuclear Power Generating Systems

PC37.237 PE/PSR Recommended Practice for Time Tagging of Power System Protection Events

P1127a PE/SUB IEEE Guide for the Design, Construction, and Operation of Electric Power Substations for Community Acceptance and Environmental Compatibility - Amendment to remove references to Substation Slide Library

PC37.68 PE/SWG Guide for the Requirements for Microprocessor-Based Controls for Distribution Pole-Mount and Padmount Switchgear Rated above 1 kV up to 38 kV

P1547.5 SASB/SCC21 Guide for Technical Guidelines for Interconnection of Electric Power Sources Greater than 10 MVA to the Power Transmission Grid

2.2.3 RevCom Recommendations

NEW

P802.1Qbf/D1.4 (C/LM) Standard for Local and Metropolitan Area Networks – Virtual Bridged Local Area Networks – Amendment: PBBTE Infrastructure Segment Protection

Recommendation: APPROVE

P1622/D4 (C/SAB) Standard for Electronic Distribution of Blank Ballots for Voting Systems

Recommendation: APPROVE

P1792/D6 (PE/NPE) Recommended Practice for Nuclear Power Generating Station Preferred Power Supply Reliability

Recommendation: APPROVE

P1900.5/D1.3 (COM/SC) Standard Policy Language Requirements and System Architectures for Dynamic Spectrum Access Systems

Recommendation: APPROVE

PC37.30.1/ D1R21 (PE/SWG) Standard Requirements for High Voltage Air Switches for Alternating Current, Rated Above 1,000 Volts

Recommendation: APPROVE

PC37.118.2/D4 (PE/PSR) Standard for Synchrophasor Data Transfer for Power Systems

Recommendation: APPROVE

PC37.122.2/D16.2 (PE/SUB) Guide for the Application of Gas-Insulated Substations 1 kV to 52 kV

Recommendation: APPROVE

REVISION

P628/D8 (PE/NPE) Standard Criteria for the Design, Installation, and Qualification of Raceway Systems for Class 1E Circuits for Nuclear Power Generating Stations

Recommendation: APPROVE

P1020/D12 (PE/ED&PG) Guide for Control of Small (100 kVA to 5 MVA) Hydroelectric Power Plants

Recommendation: APPROVE

P1300/D4 (PE/IC) Guide for Cable Connections for Gas Insulated Substations

Recommendation: APPROVE

P11073-10417/D04 (EMB/11073) Health Informatics – Personal Health Device Communication Part 10417: Device Specialization – Glucose Meter

Recommendation: APPROVE

PC37.48.1/D6 (PE/SWG) Guide for the Application, Operation, and Coordination of High-Voltage (>1000 V) Current-Limiting Fuses

Recommendation: APPROVE

PC37.118.1/D5.0 (PE/PSR) Standard for Synchrophasor Measurements for Power Systems

Recommendation: APPROVE

PC57.12.40/D14 (PE/TR) Standard for Network, Three-Phase Transformers, 2500 kVA and Smaller; High Voltage, 34 500 GrdY/19 920 and below; Low Voltage, 600 Volts and below; Subway and Vault Types (Liquid Immersed)

Recommendation: APPROVE

PC57.12.70/D8 (PE/TR) Standard Terminal Markings and Connections for Distribution and Power Transformers

Recommendation: APPROVE

PC57.12.91/D3 (PE/TR) Standard Test Code for Dry-Type Distribution and Power Transformers

Recommendation: APPROVE

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PC57.91/D10 (PE/TR) Guide for Loading Mineral-Oil-Immersed Transformers and Step-Voltage Regulators

Recommendation: APPROVE

PC57.98/D07 (PE/TR) Guide to Transformer Impulse Test

Recommendation: APPROVE

PC57.100/D5 (PE/TR) Standard Test Procedure for Thermal Evaluation of Insulation Systems for Liquid-Immersed Distribution and Power Transformers

Recommendation: APPROVE

REAFFIRMATION

303-2004 (IAS/PCI) IEEE Recommended Practice for Auxiliary Devices for Rotating Electrical Machines in Class I, Division 2 and Zone 2 Locations

Recommendation: APPROVE

647-2006 (AES/GA) IEEE Standard Specification Format Guide and Test Procedure for Single-Axis Laser Gyros

Recommendation: APPROVE

716-1995 (R2006) (SASB/SCC20) IEEE Standard Test Language for All Systems – Common/Abbreviated Test Language for All Systems (C/ATLAS)

Recommendation: APPROVE

813-1988 (R2005) (AES/GA) IEEE Specification Format Guide and Test Procedure for Two-Degree-of-Freedom Dynamically Tuned Gyros

Recommendation: APPROVE

833-2005 (PE/NPE) IEEE Recommended Practice for the Protection of Electric Equipment in Nuclear Power Generating Stations from Water Hazards

Recommendation: APPROVE

935-1989 (R2006) (PE/T&D) IEEE Guide on Terminology for Tools and Equipment to be Used in Live Line Working

Recommendation: APPROVE

1184-2006 (PE/SB) IEEE Guide for Batteries for Uninterruptible Power Supply Systems

Recommendation: APPROVE

1220-2005 (C/S2ESC) IEEE Standard for Systems Engineering – Application and Management of the Systems Engineering Process

Recommendation: APPROVE

1255-2000 (R2006) (PE/EM) IEEE Guide for Evaluation of Torque Pulsations during Starting of Synchronous Motors

Recommendation: APPROVE

1284-2000 (R2006) (C/MSC) IEEE Standard Signaling Method for a Bidirectional Parallel Peripheral Interface for Personal Computers

Recommendation: APPROVE

1538-2000 (R2005) (PE/TR) IEEE Guide for Determination of Maximum Winding Temperature Rise in Liquid-Filled Transformers

Recommendation: APPROVE

1546-2000 (R2006) (SASB/SCC20) IEEE Guide for Digital Test Interchange Format (DTIF) Application

Recommendation: APPROVE

14764-2006 (C/S2ESC) IEEE Standard for Software Engineering – Software Life Cycle Processes – Maintenance

Recommendation: APPROVE

16085-2006 (C/S2ESC) IEEE Standard for Systems and Software Engineering – Life Cycle Processes – Risk Management

Recommendation: APPROVE

C37.101-2006 (PE/PSR) IEEE Guide for Generator Ground Protection

Recommendation: APPROVE

3 Legal Update

None.

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

Judy Gorman reported. Judy noted the 'Internet of Things' and that a workshop could be launched in June 2012 in Beijing.

AI – Ask Yan Zeng for URL of promotional videos. Send URL for videos to SASB.

There was a round of applause for all of the recent award recipients.

5 Old Business

5.1 The [minutes](#) of the 10 September 2011 meeting were approved on 18 October 2011.

6 SASB Standing Committee Reports

6.1 Audit Committee ([AudCom](#))

Ted Olsen, AudCom Chair, reported.

There was a motion that the Standards Board officially recognize the Power Line Communications Standards Committee of the Communications Society, to be abbreviated as COM/PLC, as an official Sponsor, in accordance with IEEE-SASB Bylaws clause 5.2.2, bullet d). The motion was unanimously approved.

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

Jon Rosdahl, NesCom Chair, reported. Jon noted that it was a record year for new work (New PARs and PARs for Revision) approved by NesCom.

AI – Judy to discuss with IEEE-SA Marketing how to make this information visible.

There was a motion (from NesCom):

NesCom recommends approval of the request that the following projects, sponsored by ComSoc, be transferred to COM/PLC as they deal with PLC related topics:

IEEE 1901

P1901.2

P1905.1

P1909.1

IEEE 1775 - Co-sponsored with PES

The motion was approved by unanimous consent.

6.3 Patent Committee ([PatCom](#))

John Kulick, PatCom Chair, reported. John noted that the IEEE-SA Web Team will provide LoA download statistics to PatCom in 2012.

6.4 Procedures Committee ([ProCom](#))

Jim Hughes, ProCom Chair, reported. Jim thanked the 2011 ProCom members and the ProCom Administrator for the work done this year.

SASB Operations Manual – Ballot comments:

Motion from ProCom to Approve.

The motion was approved by the SASB by unanimous consent.

“IEEE-SA Standards Board Operations Manual

5.4.3 Conduct of the standards balloting process

When a proposed standard is ready for Sponsor balloting, a standards ballot shall be conducted by the Sponsor or Sponsor designee via the IEEE Standards Association balloting tools. The standards balloting process consists of Sponsor balloting group members casting votes, with or without accompanying comments, in one or more successive ballots until completion of the standards balloting process. Sponsor balloting group members shall submit votes and comments in a manner and in a format compatible with approved IEEE Standards Association balloting tools. Comments may be submitted against any normative or informative content of the ballot document, except for the Notice to Users section and the Sponsor Ballot Participant list.

Summary: This change clarifies the sections of the ballot document that are open to ballot comments.”

SASB Operations Manual – Document types:

Motion from ProCom to Approve.

The motion was approved, as amended, by the SASB by unanimous consent.

“IEEE-SA Standards Board Operations Manual

1.2 Types of IEEE standards

IEEE standards include but are not limited to:

- Lists of terms, definitions, or symbols, applicable to any field of science or technology within the scope of the IEEE.
- Expositions of scientific methods of measurement or tests of the parameters or performance of any device, apparatus, system, or phenomenon associated with the art, science, or technology of any field within the scope of the IEEE.
- Characteristics, performance, and safety requirements associated with devices, equipment, and systems with engineering installations.
- Recommendations reflecting current state-of-the-art in the application of engineering principles to any field of technology within the scope of the IEEE.

IEEE standards are classified as:

- *Standards*: documents with mandatory requirements.
- *Recommended practices*: documents in which procedures and positions preferred by the IEEE are presented.

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- *Guides*: documents in which alternative approaches to good practice are suggested but no clear-cut recommendations are made.
- *Trial-Use documents*: publications in effect for not more than two years. They can be any of the categories of standards publications listed above. (See 5.7.)

The IEEE standards development process may result in one or more of the following documents:

- *New*: A document that does not replace or modify another standard.
- *Revision*: A document that updates and replaces (i.e., supersedes) an existing IEEE standard in its entirety.
- *Amendment*: A document that ~~contains new~~ adds to, removes from, or alters material to in a portion of an existing IEEE standard and may ~~contain~~ make editorial or technical corrections to that standard.

NOTE – An amendment to a standard may be prepared to maintain the state-of-the-art within the standard due to advancing technology or techniques. An amendment facilitates the timely change of an existing IEEE standard prior to its complete revision.

- *Corrigendum*: A document that only ~~contains~~ corrects editorial errors, or technical errors, or ambiguities in ~~corrections to~~ an existing IEEE standard. A corrigendum does not introduce new material.

NOTE – A typical corrigendum may contain:

- Corrections to equations, tables, or figures, or their associated numbering or citations in the text
- Corrections to technically incorrect sentences or paragraphs
- *Erratum*: A document that contains only grammatical corrections to, or corrections of errors introduced during the publishing process of, an existing IEEE standard. An erratum is based on the comparison of the final balloted version of the standard as compared to the published version.

IEEE Standards Project Editors can assist Sponsors in determining whether an amendment or revision is appropriate.

IEEE Standards may be in one of three states of activity:

- *Developing*: Standards projects that have not yet been approved as standards.
- *Active*: Approved standards that have not been transferred to inactive status
- *Inactive*: Standards that are no longer being reviewed or assessed for accuracy, relevance to current practices, or further applications; these standards are removed from active status (i.e., these standards are transferred from active to inactive status. (See 9.2)."

SASB Operations Manual – Category D Liaisons:

Motion from ProCom to Approve.

The motion was approved by the SASB by unanimous consent.

“IEEE-SA Standards Board Operations Manual

7.2 ~~IEEE~~ Category D Liaisons with the International Electrotechnical Commission (IEC)

7.2.1 Definition of a Category D Liaison

Category D Liaisons only apply to the International Electrotechnical Commission (IEC).

The ISO/IEC Directives, **Part 1** defines Category D Liaisons as organizations that make a technical contribution to and participate actively in the work of an IEC working group, maintenance team, or project team.

7.2.2 General Requirements for the Establishment of an IEEE Category D Liaison

The IEEE **Technical** Committee requesting the Category D Liaison shall be multinational in objectives and standards development activities, with individual or entity membership, **and may be permanent or transient in nature.**

The IEEE **Technical** Committee shall have a sufficient degree of representation within its defined area of competence; within a sector or subsector of the relevant technical or industrial field.

The IEEE **Technical** Committee shall be willing to make a contribution, in the form of comments to drafts, to the IEC as appropriate.

In order to be effective, the liaison relationship shall operate in both directions.

7.2.3 Establishing a Category D Liaison

The IEEE **Technical** Committee **Chair** shall work with appropriate IEEE-SA staff to draft a letter to the Secretary of the relevant IEC Technical Committee/Subcommittee requesting a Category D liaison **with a particular IEC Technical Committee/Subcommittee Working Group/Maintenance Team/Project Team between the two groups.** The letter shall include a rationale for the liaison relationship, as well as an indication of how the IEEE **Technical** Committee meets the general requirements given in Clause 7.2.2.

Once approval for a Category D Liaison has been granted by the IEC, the request for an **IEEE** Category D Liaison shall be forwarded to the IEEE-SA Standards Board for approval **consideration.**

7.2.4 Appointment of IEEE Category D Liaison Representatives

Once approval for a Category D Liaison has been granted by the IEEE-SA Standards Board, the IEEE **Technical** Committee holding the liaison relationship shall appoint a representative and notify the appropriate IEEE-SA staff with the name and contact information of the representative.

7.2.5 Participation on an IEC Working Group/Maintenance Team/Project Team

A Category D Liaison representative has the right to participate **and vote** as a member **at of** the **level of an** IEC Technical Committee/Subcommittee **w**Working **g**Group, **m**Maintenance **t**Team, or **p**Project **t**Team. This expert acts as the official representative of the IEEE **Technical** Committee from which he or she is appointed.

Participation at the IEC Technical Committee/Subcommittee level is by country representation only. Category D liaisons may not participate in the work at the IEC Technical Committee/Subcommittee level, which means they cannot participate in IEC

~~Technical Committee/Subcommittee meetings and may not propose new work items, other than Publicly Available Specifications.~~

7.2.6 Responsibilities of a Category D Liaison

A Category D Liaison provides coordination and communication between the IEEE and the IEC on matters of mutual interest.

~~The Category D Liaison develops the formal position of the IEEE Committee on IEC standards under development in a working group, maintenance team, or project team.~~

The Category D Liaison is responsible for protecting the intellectual property rights of IEEE standards and IEC standards. If the Category D Liaison wishes to introduce an IEEE document to an IEC Working Group/~~Maintenance Team/Project Team~~ for its consideration, the appropriate IEEE copyright information shall be on the document. If the IEC Working Group wishes to adopt the document whole or in part, the Category D Liaison shall contact the appropriate IEEE-SA staff for assistance ~~Manager, Standards Intellectual Property~~.

The Category D Liaison assists the IEEE and the IEC in identifying possible candidates for submission as IEC/IEEE Dual Logo documents.

The Category D Liaison assists the IEEE in identifying future collaborative work, which may include documents that previously were either

- a) Developed jointly with the IEC, or
- b) Adopted in part by the IEC, or
- c) Adopted whole by the IEC.

The appropriate IEEE-SA staff shall be copied on all correspondence between the Category D Liaison and the IEC.

7.2.7 Annual Reconfirmation of Category D Liaisons

Every year, the appropriate IEEE-SA staff shall review the ~~IEEE~~ Category D Liaison list to verify which relationships remain active. The list of active Category D Liaisons shall then be placed on the March IEEE-SA Standards Board agenda for reconfirmation.

Summary: This change makes corrections to the Category D Liaison section of our P&Ps."

Items for SASB email ballot:

- [Proposed changes](#) to SASB Bylaws and SASB Operations Manual RE: Industry Connections

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

David Law, RevCom Chair, reported. David informed the SASB that an administrative withdrawal ballot would be initiated shortly.

7 Standards Coordinating Committee Reports

7.1 SCC Coordinator's [Report](#)

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John Kulick, SCC Coordinator, reported.

7.2 Scheduled Reports Due in December:

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

Dick DeBlasio gave a brief verbal report.

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

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

Ron Petersen presented a [report](#).

There was a motion to accept the submitted reports from SCC21, SCC31, and SCC39. The motion was unanimously approved.

8 Ad Hoc Reports

8.1 Reaffirmation Process Ad Hoc [Report](#)

Jim Hughes, Reaffirmation Ad Hoc Chair, reported.

There was a motion to approve [FAQ V28](#).

Chair Hughes reviewed FAQs 19, 20, and 25.

The motion was approved by unanimous consent.

The Ad Hoc group will continue into Q1 2012.

Bob Grow, as Past SASB Chair who appointed Jim Hughes as Ad Hoc Chair, thanked Jim for his work in leading the Ad Hoc group.

8.2 Corporate Influence Ad Hoc [Report](#)

Oleg Logvinov, Corporate Influence Ad Hoc Chair, reported.

Some SASB members stated that we should have an Entity Code of Conduct for SA entity members.

Oleg proposed the suspension of Ad Hoc activities, with thanks to participants for their diligent service in scoping the issues to be addressed. Chair Hulett agreed to suspend activities until the goal is better defined.

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8.3 IC Under SASB Ad Hoc [Report](#)

Jim Wendorf reported.

9 Liaison Reports

9.1 DOE Report

Dick DeBlasio gave a verbal update. A round of applause was given to Dick for leading the effort to create IEEE 2030.

9.2 NIST [Report](#)

Michael Janezic reported.

This item was taken after 8.1.

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.

AI – Rich to provide External Representative information to ProCom in March 2012.

11 New Business

11.1 ICAP [Overview](#)

Ravi Subramaniam, Technical Director-ICAP, and Lloyd Green, Marketing Director-ICAP, reported.

12 [Next Meeting](#)

The next meeting of the IEEE-SA Standards Board will be 29 March 2012 in Piscataway, New Jersey, USA.

13 SASB Resolutions

The SASB officially recognized the Power Line Communications Standards Committee of the Communications Society, to be abbreviated as COM/PLC, as an official Sponsor, in accordance with IEEE-SASB Bylaws clause 5.2.2, bullet d).

The SASB approved the request that the following projects, sponsored by ComSoc, be transferred to COM/PLC as they deal with PLC related topics:

IEEE 1901

P1901.2

P1905.1

P1909.1

IEEE 1775 - Co-sponsored with PES

14 Adjournment

There being no further business, the meeting was adjourned at 2:58 p.m.