

IEEE-SA Standards Board Meeting Minutes – December 2016

IEEE-SA Standards Board

Meeting Minutes

07 December 2016

IEEE Operations Center, Piscataway, New Jersey, USA

Attendees

Chair:

Jean-Philippe Faure

Vice Chair:

Ted Burse

Past Chair:

John Kulick

Secretary:

Konstantinos Karachalios

Members:

Chuck Adams

Masayuki Ariyoshi

Stephen Dukes [TAB Rep.]

Jianbin Fan

Travis Griffith

Gary Hoffman

Ron Hotchkiss

Michael Janezic

Hung Ling

Kevin Lu

Annette Reilly

Gary Robinson

Yingli Wen

Howard Wolfman

Don Wright

Yu Yuan

Daidi Zhong

Members Absent:

Mehmet Ulema

Joe Koepfinger, Member Emeritus

Government Observers:

Thomas Koshy, U.S. NRC

IEEE Staff:

Natasha Alvarado

Melissa Aranzamendez

Christy Bahn

Kathryn Bennett

Matt Ceglia

Donna Ceruto

Tom Compton

Christian DeFelice

Ravindra Desai

Patricia Dominach

Susan England-Lutz

Karen Evangelista

Patrick Gibbons

Jonathan Goldberg

Lloyd Green

Jodi Haasz

Mary Ellen Hanntz

Yvette Ho Sang

Karen Kenney

Soo Kim

Karen Lambert

Juanita Lewis

Kelly Lorne

Dan Moss

Adam Newman

Nicholas Orlando

Jeff Pane

Walter Pienciak

Dave Ringle, Recording Secretary

Pat Roder

Ana Sainvilus

Rudi Schubert

Sam Sciacca

Alpesh Shah

Ryan Shamy

Justine Spack

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Erin Spiewak
Susan Tatiner
Angela Thomas
Sue Vogel
Albert Waldhuber
Lisa Weisser
Malia Zaman
Meng Zhao

IEEE Outside Legal Counsel:

Claire Topp

Guests:

Michael Atlass
Evelyn Chen
Doug Edwards
Geoff Garner
Scott Gilfillan
Victor Huang
Bruce Kraemer
Xiaohui Liu
Andrew Myles
Gil Ohana
Glenn Parsons
Ron Petersen
Jon Rosdahl
Jack Sheldon
Patrick Slaats
Dorothy Stanley
Adrian Stephens
Phil Wennblom
Francesco Zaccá
Jingyi Zhou

1 Call to Order

Jean-Philippe Faure, IEEE-SA Standards Board Chair, called the meeting to order at 9:00 a.m.

Chair Faure recognized the following attendees:

- Thomas Koshy (U.S. NRC)
- Jack Sheldon (IEC)
- Francesco Zaccá (EPO)

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 22 September 2016 SASB Meeting [Minutes](#)

2.2.2 AudCom Recommendations

Accepted (standards work authorized):

- AES/GA Aerospace and Electronic Systems Society/Gyro Accelerometer Panel
- CES/SC Consumer Electronics Society/Standards Committee
- EDU/SC Education Society/Standards Committee
- EMB/Stds Com Engineering in Medicine and Biology Society/Standards Committee
- IAS/ESafeC Industry Applications Society/Electrical Safety Committee
- IM/SDM Instrumentation and Measurement Society/Secure and Dependable Measurement

2.2.3 ICom Recommendations

Revised Industry Connections Activity Approval:

IC15-005 Next Generation Enterprise/Campus/Data Center Ethernet

ICAID: <https://iee-SA.imeetcentral.com/p/eAAAAAAL5m8AAAAABtGOgA>

Recommendation: Approve

IC16-006 International Roadmap for Devices and Systems (IRDS)

ICAID: <https://iee-SA.imeetcentral.com/p/eAAAAAAMFzvAAAAAErGOo>

Recommendation: Approve

2.2.4 NesCom Recommendations

Withdrawal Requests:

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 Beacons

Recommendation: Approve PAR withdrawal

IEEE Industry Applications Society/Technical Books Coordinating Committee

P3001.9

Recommended Practice for the Lighting of Industrial and Commercial Facilities

Recommendation: Approve PAR withdrawal

IEEE Instrumentation and Measurement Society/TC39 – Measurements in Power Systems

P1878

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

Recommendation: Approve PAR withdrawal

Administrative Withdrawals:

P1875 (BTS/RFTech)

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

P1009 (C/S2ESC)

Standard for the Archstie Programming Language
(New PAR)

P1723 (C/S2ESC)

Standard for a Service-Oriented Architecture (SOA) Reference Architecture
(New PAR)

P2030.4 (C/S2ESC)

Guide for Control and Automation Installations Applied to the Electric Power Infrastructure
(New PAR)

P11073-10423 (EMB/11073)

Standard for Health Informatics – Personal Health Device Communication – Device Specialization – Sleep Monitor
(New PAR)

P11073-10471a (EMB/11073)

IEEE Health Informatics – Personal Health Device Communication Part 10471: Device Specialization – Independent Living Activity Hub Amendment
(New PAR)

P11073-10302-1 (EMB/11073)

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

P11073-10303-1 (EMB/11073)

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

P11073-20201 (EMB/11073)

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

P11073-20202 (EMB/11073)

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

P11073-20301 (EMB/11073)

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

P11073-20401 (EMB/11073)

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

P11073-10301-1 (EMB/11073)

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

PC62.22.1 (PE/IC)

Guide for the Connection of Surge Arresters to Protect Insulated Shielded Electric Power Cable Systems up to 46 kV
(Revision PAR)

P1821 (PE/SUB)

Guide for Usage of Design Tools for Power Electronic Building Blocks (PEBB) and PEBB Based Systems
(New PAR)

P388 (PEL/SC)

Standard for Transformers and Inductors in Electronic Power Conversion Equipment
(Revision PAR)

P1547.8 (SASB/SCC21)

Recommended Practice for Establishing Methods and Procedures that Provide Supplemental Support for Implementation Strategies for Expanded Use of IEEE Standard 1547
(New PAR)

P1609.6 (VT/ITS)

Standard for Wireless Access in Vehicular Environments (WAVE) – Remote Management Service
(New PAR)

Modified PARs

IEEE Computer Society/LAN/MAN Standards Committee

P802c

Standard for Local and Metropolitan Area Networks: Overview and Architecture
Amendment: Local Medium Access Control (MAC) Address Usage

Recommendation: Approve modified PAR

IEEE Power and Energy Society/Insulated Conductors

P442

Guide for Thermal Resistivity Measurements of Soils and Backfill Materials

Recommendation: Approve modified PAR

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.2a

Standard for Wireless Access in Vehicular Environments – Security Services for Applications and Management Messages Amendment

Recommendation: Approve modified PAR

Extension Requests

IEEE Computer Society/Test Technology

P1450.4

Standard for Extensions to Standard Test Interface Language (STIL) (IEEE Std. 1450-1999) for Test Flow Specification

Recommendation: Approve request for an extension until December 2017

P1804

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

Recommendation: Approve request for an extension until December 2017

IEEE Communications Society/Standards Development Board

P1903.1

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

Recommendation: Approve request for an extension until December 2017

P1903.2

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

Recommendation: Approve request for an extension until December 2017

P1903.3

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

Recommendation: Approve request for an extension until December 2017

IEEE Industry Applications Society/Petroleum & Chemical Industry

P844.1

844.1/CSA C22.2 No.293.1: Standard for Skin Effect Trace Heating of Pipelines, Vessels, Equipment, and Structures – General, Testing, Marking, and Documentation Requirements

Recommendation: Approve request for an extension until December 2017

P844.2

844.2/CSA C293.2: Standard for Skin Effect Trace Heating of Pipelines, Vessels, Equipment, and Structures – Application Guide for Design, Installation, Testing, Commissioning, and Maintenance

Recommendation: Approve request for an extension until December 2017

IEEE Industry Applications Society/Technical Books Coordinating Committee

P3003.1

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

Recommendation: Approve request for an extension until December 2017

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 2017

P3004.10

Recommended Practice for Generator Protection in Industrial and Commercial Power Systems

Recommendation: Approve request for an extension until December 2017

P3004.11

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

Recommendation: Approve request for an extension until December 2017

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

P21451-001

Recommended Practice for Signal Treatment Applied to Smart Transducers

Recommendation: Approve request for an extension until December 2017

IEEE Instrumentation and Measurement Society/TC4 – High Frequency Measurement

P378

Recommended Practices for Scattering Parameter Measurements Using Vector Network Analyzers

Recommendation: Approve request for an extension until December 2017

IEEE Instrumentation and Measurement Society/TC9 – Sensor Technology

P1451.4a

Standard for a Smart Transducer Interface for Sensors and Actuators – Mixed-Mode Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats – Amendment

Recommendation: Approve request for an extension until December 2018

P21451-1

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

Recommendation: Approve request for an extension until December 2018

P21451-1-4

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

Recommendation: Approve request for an extension until December 2018

IEEE Microwave Theory and Techniques Society/Standards Coordinating Committee

P1549-2011/Cor 1

Standard for Microwave Filter Definitions – Corrigendum 1

Recommendation: Approve request for an extension until December 2017

IEEE Power and Energy Society/Electric Machinery

P112

Standard Test Procedure for Polyphase Induction Motors and Generators

Recommendation: Approve request for an extension until December 2017

P1719

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

Recommendation: Approve request for an extension until December 2018

IEEE Power and Energy Society/Nuclear Power Engineering

P690

Standard for the Design and Installation of Cable Systems for Class 1E Circuits in Nuclear Power Generating Stations

Recommendation: Approve request for an extension until December 2018

P1082

Guide for Incorporating Human Reliability Analysis into Probabilistic Risk Assessments for Nuclear Power Generating Stations and Other Nuclear Facilities

Recommendation: Approve request for an extension 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 request for an extension until December 2019

PC37.237

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

Recommendation: Approve request for an extension until December 2017

PC37.241

Guide for Application of Optical Instrument Transformers for Protective Relaying

Recommendation: Approve request for an extension until December 2017

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

PC62.82.2

Guide for the Application of Insulation Coordination

Recommendation: Approve request for an extension until December 2018

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 2017

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

PC62.41.3

Guide for Interactions between Power System Disturbances and Surge Protective
Devices

Recommendation: Approve request for an extension until December 2017

IEEE Power and Energy Society/Substations

P693

Recommended Practice for Seismic Design of Substations

Recommendation: Approve request for an extension until December 2018

IEEE Power and Energy Society/Switchgear

PC37.06.1

Recommended Practice for Preferred Ratings for High-Voltage (>1000 Volts) AC Circuit
Breakers Designated Definite Purpose for Fast Transient Recovery Voltage Rise Times

Recommendation: Approve request for an extension until December 2017

C37.20.7

Guide for Testing Switchgear Rated 38 kV or Below for Internal Arcing Faults

Recommendation: Approve request for an extension until December 2018

PC37.30.3

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

Recommendation: Approve request for an extension until December 2017

PC37.30.4

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

Recommendation: Approve request for an extension until December 2018

PC37.60

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

Recommendation: Approve request for an extension until December 2017

PC37.66

Standard Requirements for Capacitor Switches for AC Systems (1 kV to 38 kV)

Recommendation: Approve request for an extension until December 2018

PC37.100.2

Standard for Common Requirements for Testing of AC Capacitance Current Switching Devices Over 1000 V

Recommendation: Conditionally approve request for an extension until December 2017; contingent upon changing the request to a one-year extension

IEEE Power and Energy Society/Transformers

P1276

Guide for the Application of High-Temperature Insulation Materials in Liquid-Immersed Distribution, Power and Regulating Transformers

Recommendation: Approve request for an extension until December 2018

PC57.12.20

Standard for Overhead-Type Distribution Transformers 500 kVA and Smaller: High Voltage, 34 500 V and Below; Low Voltage, 7970/13 800Y V and Below

Recommendation: Approve request for an extension until December 2017

PC57.12.39

Standard Requirements for Distribution Transformer Tank Pressure Coordination

Recommendation: Approve request for an extension until December 2017

PC57.13.7

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

Recommendation: Approve request for an extension until December 2017

PC57.120

Guide for Loss Evaluation of Distribution and Power Transformers and Reactors

Recommendation: Approve request for an extension until December 2017

PC57.158

Guide for the Application of Tertiary and Stabilizing Windings in Power Transformers

Recommendation: Approve request for an extension until December 2018

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

P1671.1

Standard for Automatic Test Markup Language (ATML) Test Description

Recommendation: Approve request for an extension until December 2017

P1671.3

Standard for Automatic Test Markup Language (ATML) Unit Under Test (UUT) Description

Recommendation: Approve request for an extension until December 2017

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

P62704-1

Standard for Determining the Peak Spatial Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz – 6 GHz Part 1: General Requirements for Using the Finite Difference Time Domain (FDTD) Method for SAR Calculations

Recommendation: Approve request for an extension until December 2017

P62704-2

Standard for Determining the Peak Spatial Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz – 6 GHz Part 2: Specific Requirements for Finite Difference Time Domain (FDTD) Modelling of Exposure from Vehicle Mounted Antennas

Recommendation: Approve request for an extension until December 2017

NEW PARs

IEEE-SA Board of Governors/Corporate Advisory Group

P1858-2016/Cor 1

Standard for Camera Phone Image Quality (CPIQ) – Corrigendum 1

Recommendation: Approve new PAR until December 2020

P2755

Guide to Terms and Concepts in Intelligent Process Automation

Recommendation: Approve new PAR until December 2020

IEEE Computer Society/LAN/MAN Standards Committee

P802.3cg

Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for 10 Mb/s Operation over Single Balanced Twisted-pair Cabling and Associated Power Delivery

Recommendation: Approve new PAR until December 2020

P802.11ba

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: Wake-Up Radio Operation

Recommendation: Approve new PAR until December 2020

P802.19.2

Recommended Practice for Local and Metropolitan Area Networks – Part 19: Coexistence of Unlicensed Wireless Systems in a Vehicular Environment

Recommendation: Approve new PAR until December 2020

IEEE Computer Society/Software & Systems Engineering Standards Committee

P1012-2016/Cor 1

Standard for System, Software, and Hardware Verification and Validation – Corrigendum 1

Recommendation: Approve new PAR until December 2020

P7002

Data Privacy Process

Recommendation: Approve new PAR until December 2020

IEEE Computer Society/Standards Activities Board

P3333.3

Head Mounted Display (HMD) Based 3D Content Motion Sickness Reducing Technology

Recommendation: Approve new PAR until December 2020

IEEE Computer Society/Test Technology

P1687.1

Standard for the Application of Interfaces and Controllers to Access 1687 IJTAG Networks Embedded within Semiconductor Devices

Recommendation: Approve new PAR until December 2020

IEEE Consumer Electronics Society/Standards Committee

P2048.1

Standard for Virtual Reality and Augmented Reality: Device Taxonomy and Definitions

Recommendation: Approve new PAR until December 2020

P2048.2

Standard for Virtual Reality and Augmented Reality: Immersive Video Taxonomy and Quality Metrics

Recommendation: Approve new PAR until December 2020

P2048.3

Standard for Virtual Reality and Augmented Reality: Immersive Video File and Stream Formats

Recommendation: Approve new PAR until December 2020

P2048.4

Standard for Virtual Reality and Augmented Reality: Person Identity

Recommendation: Approve new PAR until December 2020

P2048.5

Standard for Virtual Reality and Augmented Reality: Environment Safety

Recommendation: Approve new PAR until December 2020

IEEE Communications Society/Standards Development Board

P1922.1

Standard for a Method for Calculating Anticipated Emissions Caused by Virtual Machine Migration and Placement

Recommendation: Approve new PAR until December 2020

P1922.2

Standard for a Method to Calculate Near Real-Time Emissions of Information and Communication Technology Infrastructure

Recommendation: Approve new PAR until December 2020

P1923.1

Standard for Computation of Energy Efficiency Upper Bound for Apparatus Processing Communication Signal Waveforms

Recommendation: Approve new PAR until December 2020

P1924.1

Recommended Practice for Developing Energy Efficient Power-Proportional Digital Architectures

Recommendation: Approve new PAR until December 2020

P1925.1

Standard for Energy Efficient Dynamic Line Rate Transmission System

Recommendation: Approve new PAR until December 2020

P1926.1

Standard for a Functional Architecture of Distributed Energy Efficient Big Data Processing

Recommendation: Approve new PAR until December 2020

P1927.1

Standard for Services provided by the Energy-Efficient Orchestration and Management of Virtualized Distributed Data Centers Interconnected by a Virtualized Network

Recommendation: Approve new PAR until December 2020

P1928.1

Standard for a Mechanism for Energy Efficient Virtual Machine Placement

Recommendation: Approve new PAR until December 2020

P1929.1

An Architectural Framework for Energy Efficient Content Distribution

Recommendation: Approve new PAR until December 2020

P1930.1

Recommended Practice for Software Defined Networking (SDN) Based Middleware for Control and Management of Wireless Networks

Recommendation: Approve new PAR until December 2020

P1931.1

Standard for an Architectural Framework for Real-time Onsite Operations Facilitation (ROOF) for the Internet of Things

Recommendation: Approve new PAR until December 2020

IEEE Industry Applications Society/Petroleum & Chemical Industry

P841.1

Standard for Process Industry – IE3, Severe-Duty, IP 56 Squirrel Cage Induction Motors – up to and Including 370 kW

Recommendation: Approve new PAR until December 2020

IEEE Industry Applications Society/Technical Books Coordinating Committee

P3001.9

Recommended Practice for the Design of Power Systems Supplying Lighting Systems in Commercial and Industrial Facilities

Recommendation: Approve new PAR until December 2020

IEEE Instrumentation and Measurement Society/TC9 – Sensor Technology

P1451-99

Standard for Harmonization of Internet of Things (IoT) Devices and Systems

Recommendation: Approve new PAR until December 2020

IEEE Instrumentation and Measurement Society/TC41 – Traffic Enforcement Technologies

P2450

Standard for the Performance of Down-the-Road Radar Used in Traffic Speed Measurements

Recommendation: Approve new PAR until December 2020

IEEE Power and Energy Society/Energy Development & Power Generation

P665

Guide for Generating Station Grounding

Recommendation: Approve new PAR until December 2020

IEEE Power and Energy Society/Power System Instrumentation and Measurements

P510

Guide for Electrical Safety in High-Voltage Testing

Recommendation: Approve new PAR until December 2020

IEEE Power and Energy Society/Smart Buildings, Loads and Customer Systems

P825

Guide for Interoperability of Transactive Energy Systems with Electric Power Infrastructure (Building the Enabling Network for Distributed Energy Resources)

Recommendation: Approve new PAR until December 2020

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

PC62.220

Guide for the Application of Surge Protective Devices for the Smart Grid

Recommendation: Approve new PAR until December 2020

IEEE Power and Energy Society/Transformers

P60214-1-57-131

Standard Requirements for Tap Changers

Recommendation: Approve new PAR until December 2020

IEEE Reliability Society/IEEE Reliability

P1467

Standard for Reliability Growth

Recommendation: Conditionally approve new PAR until December 2020; contingent upon swapping current Scope and Purpose with each other

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

P1528.5

Recommended Practice for Determining the Power Density of the Electromagnetic Field Associated with Human Exposure to Mobile Devices and Network Equipment Operating Between 6 GHz and 100 GHz

Recommendation: Approve new PAR until December 2020

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.2.1

Wireless Access in Vehicular Environments (WAVE) – Certificate Management Interfaces for End-Entities

Recommendation: Approve new PAR until December 2020

P7001

Transparency of Autonomous Systems

Recommendation: Approve new PAR until December 2020

PARs for the Revision of Standards

IEEE Antennas and Propagation Society/Antennas and Propagation Standards Committee

P356

Guide for Measurements of Electromagnetic Properties of Earth Media

Recommendation: Approve PAR for the revision of a standard until December 2020

IEEE-SA Board of Governors/Corporate Advisory Group

P1858

Standard for Camera Phone Image Quality (CPIQ)

Recommendation: Approve PAR for the revision of a standard until December 2020

IEEE Computer Society/Software & Systems Engineering Standards Committee

P16085

ISO/IEC 16085:2006, Standard for Software Engineering – Software Life Cycle Processes – Risk Management

Recommendation: Approve PAR for the revision of a standard until December 2020

P20000-1

Information Technology – Service Management – Part 1: Service Management System Requirements

Recommendation: Approve PAR for the revision of a standard until December 2020

P24748-1

Systems and Software Engineering – Life Cycle Management –Part 1: Guidelines for Life Cycle Management (P24748-1)

Recommendation: Approve PAR for the revision of a standard until December 2020

P24748-2

Systems and Software Engineering – Life Cycle Management – Part 2: Guidelines for the Application of ISO/IEC/IEEE 15288 (System Life Cycle Processes)

Recommendation: Approve PAR for the revision of a standard until December 2020

P26515

Systems and Software Engineering – Developing Information for Users in an Agile Environment

Recommendation: Approve PAR for the revision of a standard until December 2020

P29148

ISO/IEC/IEEE International Standard – Systems and Software Engineering – Life Cycle Processes – Requirements Engineering

Recommendation: Approve PAR for the revision of a standard until December 2020

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1580

Recommended Practice for Marine Cable for Use on Shipboard and Fixed or Floating Facilities

Recommendation: Approve PAR for the revision of a standard until December 2020

IEEE Power and Energy Society/Energy Development & Power Generation

P1050

Guide for Instrumentation and Control Equipment Grounding in Generating Stations

Recommendation: Approve PAR for the revision of a standard until December 2020

IEEE Power and Energy Society/Electric Machinery

P522

Guide for Testing Turn Insulation of Form-Wound Stator Coils for Alternating-Current Electric Machines

Recommendation: Approve PAR for the revision of a standard until December 2020

IEEE Power and Energy Society/Insulated Conductors

P495

Guide for Testing Faulted Circuit Indicators

Recommendation: Approve PAR for the revision of a standard until December 2020

P1120

Guide for the Planning, Design, Installation, and Repair of Submarine Power Cable Systems

Recommendation: Approve PAR for the revision of a standard until December 2020

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

PC62.21

Guide for the Application of Surge Voltage Protective Equipment on AC Rotating Machinery 1000 Volts and Greater

Recommendation: Approve PAR for the revision of a standard until December 2020

IEEE Power and Energy Society/Substations

P1240

Guide for the Evaluation of the Reliability of HVDC Converter Stations

Recommendation: Approve PAR for the revision of a standard until December 2020

P1378

Guide for Commissioning High-Voltage Direct-Current (HVDC) Converter Stations and Associated Transmission Systems

Recommendation: Approve PAR for the revision of a standard until December 2020

IEEE Power and Energy Society/Switchgear

P62271-37-013

IEEE/IEC International Standard for High-Voltage Switchgear and Controlgear – Part 37-013: Alternating-Current Generator Circuit-Breakers

Recommendation: Approve PAR for the revision of a standard until December 2020

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

P1636.1

Standard for Software Interface for Maintenance Information Collection and Analysis (SIMICA): Exchanging Test Results and Session Information via the eXtensible Markup Language (XML)

Recommendation: Approve PAR for the revision of a standard until December 2020

P1641

Standard for Signal and Test Definition

Recommendation: Approve PAR for the revision of a standard until December 2020

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

PC95.2

Standard for Radio-Frequency Energy and Current-Flow Symbols

Recommendation: Defer PAR for the revision of a standard until the January NesCom meeting

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P1474.1

Standard for Communications-Based Train Control (CBTC) Performance and Functional Requirements

Recommendation: Defer PAR for the revision of a standard until the January NesCom meeting

2.2.5 RevCom Recommendations

NEW

P45.6/Draft 2.0 (IAS/PCI) IEEE Draft Recommended Practice for Electrical Installations on Shipboard – Electrical Testing

Recommendation: APPROVE

P802.3bu/Draft D3.3 (C/LM) IEEE Draft Standard for Ethernet Amendment: Physical Layer and Management Parameters for Power over Data Lines (PoDL) of Single Balanced Twisted-Pair Ethernet

Recommendation: APPROVE

P802.11ah/Draft 10.0 (C/LM) IEEE Draft 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 2: Sub 1 GHz License Exempt Operation

Recommendation: Conditionally approve

There was a motion to conditionally approve P802.11ah based on the approval of P802.11ai/D11 and P802.11/D8.0.

P802.11ai/Draft 11 (C/LM) IEEE Draft 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 to IEEE P802.11-REVMc(TM)/D8.0: Fast Initial Link Setup

Recommendation: Conditionally approve

There was a motion to conditionally approve P802.11ai based on the approval of P802.11/D8.0.

P952-1997/Cor 1/Draft 09a1 (AES/GA) IEEE Draft Standard Specification Format Guide and Test Procedure for Single-Axis Interferometric Fiber Optic Gyros – Corrigendum 1: Figure 1 and Clauses 5.3.4, 8.3, 12.11.4.3.2, 12.11.4.3.3, 12.11.4.3.4, 12.12.3.1, 12.12.4.1

Recommendation: APPROVE

P1722-2016/Cor 1/Draft 0 (C/MS) IEEE Draft Standard for a Transport Protocol for Time Sensitive Applications in a Bridged Local Area Network – Corrigendum 1

Recommendation: APPROVE

P1815.1-2015/Cor 1/Draft 3.0 (PE/SUB) IEEE Draft Standard for Exchanging Information between Networks Implementing IEC 61850 and IEEE Std 1815 (Distributed Network Protocol – DNP3) – Corrigendum 1

Recommendation: APPROVE

P1827/Draft 17.5 (PE/ED&PG) IEEE Draft Guide for Electrical and Control Design of Hydroelectric Water Conveyance Facilities

Recommendation: APPROVE

P1888.4/D1.7 (BOG/CAG) IEEE Draft Standard for Green Smart Home and Residential Quarter Control Network Protocol

Recommendation: APPROVE

P3004.8/Draft 12.4 (IAS/TBCC) IEEE Draft Recommended Practice for Motor Protection in Industrial and Commercial Power Systems

Recommendation: APPROVE

P11073-10419-2015/Cor 1/Draft 10 (EMB/11073) IEEE Draft for Health Informatics – Personal Health Device Communication – Part 10419: Device Specialization – Insulin Pump – Corrigendum 1

Recommendation: DISAPPROVE

There was a motion to disapprove P11073-10419-2015/Cor 1 with the resolution that staff work with the Sponsor to bring a submittal to RevCom that is in compliance with the PAR.

P11073-10425-2014/Cor 1/Draft 9 (EMB/11073) IEEE Draft for Health Informatics – Personal Health Device Communication – Part 10425: Device Specialization – Continuous Glucose Monitor (CGM) – Corrigendum 1

Recommendation: DISAPPROVE

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There was a motion to disapprove P11073-10425-2014/Cor 1 with the resolution that staff work with the Sponsor to bring a submittal to RevCom that is in compliance with the PAR.

PC57.12.38-2014/Cor 1/Draft PC57.12.38-2014/Cor_Draft 1 (PE/TR) IEEE Draft Standard for Pad-Mounted-Type, Self-Cooled, Single-Phase Distribution Transformers 250 kVA and Smaller: High Voltage, 34 500 GrdY/19 920 V and Below; Low Voltage, 480/240 V and Below – Corrigendum 1: Correct an Omission in the Label of Figure 1

Recommendation: APPROVE

PC57.163-2015/Cor 1/Draft D1.1 (PE/TR) IEEE Draft Guide for Establishing Power Transformer Capability while under Geomagnetic Disturbances – Corrigendum 1

Recommendation: APPROVE

PC62.44/Draft 15.4 (PE/SPDLV) IEEE Draft Guide for the Application of Low-Voltage (1000 Volts rms or Less) Surge Protective Devices Used on Secondary Distribution Systems (Between the Transformer Low-Voltage Terminals and the Line Side of the Service Equipment)

Recommendation: APPROVE

REVISION

P352/Draft D6 (PE/NPE) IEEE Draft Guide for General Principles of Reliability Analysis of Nuclear Power Generating Station Systems and Other Nuclear Facilities

Recommendation: APPROVE

P802.1AC/Draft 4.0 (C/LM) IEEE Draft Standard for Local and Metropolitan Area Networks – Media Access Control (MAC) Service Definition

Recommendation: APPROVE

P802.11/Draft 8.0 (C/LM) IEEE Draft Standard for Information Technology – Telecommunications and Information Exchange Between Systems – Local and Metropolitan Area Networks – Specific Requirements Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications

Recommendation: APPROVE

P1445/Draft 12 (SASB/SCC20) IEEE Draft Standard for Digital Test Interchange Format (DTIF)

Recommendation: APPROVE

P1610/Draft 9 (PE/IC) IEEE Draft Guide for the Application of Faulted Circuit Indicators on Distribution Circuits

Recommendation: APPROVE

PC37.238/Draft D21.1 (PE/PSR) IEEE Draft Standard Profile for Use of IEEE 1588 Precision Time Protocol in Power System Applications

Recommendation: Defer

There was a motion to defer PC37.238 to the IEEE-SA Standards Board for resolution on 7 December 2016.

PC57.12.24/Draft 7 (PE/TR) IEEE Draft Standard for Submersible, Three-Phase Transformers, 3750 kVA and Smaller: High Voltage, 34 500 GrdY/19 920 Volts and Below; Low Voltage, 600 Volts and Below

Recommendation: APPROVE

PC57.138/Draft 4 (PE/TR) IEEE Draft Recommended Practice for Routine Impulse Test for Distribution Transformers

Recommendation: APPROVE

PC62.33/Draft 6 (PE/SPDLV) IEEE Draft Standard for Test Methods and Performance Values of Metal-Oxide Varistor Surge Protective Components

Recommendation: APPROVE

PC62.42.0/Draft 5 (PE/SPDLV) IEEE Draft Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports – Overview

Recommendation: APPROVE

PC62.92.1/Draft 10 (PE/SPDHV) IEEE Draft Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part 1 – Introduction

Recommendation: APPROVE

3 Legal Update

None

3.1 Notification from the 802 LMSC Sponsor to the IEEE-SA
[*Executive Session*]

Executive Session began at 9:20 a.m.

Remaining in the room:

SASB Members, BOG Members, IEEE-SA Senior Directors, IEEE-SA Governance staff, Yvette Ho Sang, Matt Ceglia, Jonathan Goldberg, Soo Kim, Erin Spiewak, Dorothy Stanley, and Claire Topp

The following individuals recused themselves and left the room:

Chuck Adams, Bruce Kraemer, Andrew Myles, Phil Wennblom, and Don Wright

Executive Session concluded at 10:40 a.m.

REPORT OUT

The SASB ratified the actions taken 11 November 2016 by the IEEE 802 LMSC Sponsor in connection with the 802 TGax complaint.

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

Konstantinos Karachalios, IEEE-SA Managing Director, reported.

5 SASB Standing Committee Reports

5.1 Audit Committee ([AudCom](#))

Michael Janezic, AudCom Chair, reported.

There was a motion:

Recognize the Industry Applications Society/Electrical Safety Committee, to be abbreviated as IAS/ESafeC, as an official Sponsor, in accordance with IEEE-SASB Bylaws 5.2.2.

The motion was unanimously approved.

There was a motion:

Recognize the Instrumentation and Measurement Society/Secure and Dependable Measurement, to be abbreviated as IM/SDM, as an official Sponsor, in accordance with IEEE-SASB Bylaws 5.2.2.

The motion was unanimously approved.

There was a motion:

NPS/NI&D shall submit a draft Sponsor P&P to AudCom by 21 February 2017 or the IEEE-SA Standards Board shall suspend NPS/NI&D's authorization to

perform standards work (including but not limited to: PAR actions, Sponsor ballot actions, etc.).

The motion was approved. [Vote: Yes=18, Abstain=1 (Adams)].

There was a motion:

VT/RTSC shall submit a draft Sponsor P&P to AudCom by 21 February 2017 or the IEEE-SA Standards Board shall suspend VT/RTSC's authorization to perform standards work (including but not limited to: PAR actions, Sponsor ballot actions, etc.).

The motion was approved. [Vote: Yes=18, Abstain=1 (Adams)].

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

John Kulick, ICCom Chair, reported.

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

Stephen Dukes, NesCom Chair, reported.

5.4 Patent Committee ([PatCom](#))

Don Wright, PatCom Chair, reported.

5.5 Procedures Committee ([ProCom](#))
- [SASB Bylaws RE: Membership Requirements](#)

Ted Burse, ProCom Chair, reported.

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

Gary Hoffman, RevCom Chair, reported.

5.6.1 [PC37.238](#)

Gary Hoffman, RevCom Chair, initiated discussion.

PC37.238/Draft D21.1 (PE/PSR) IEEE Draft Standard Profile for Use of IEEE 1588 Precision Time Protocol in Power System Applications

RevCom recommendation:

Defer PC37.238 to the IEEE-SA Standards Board for resolution on 7 December 2016.

There was a motion:

The Standards Board moves to direct the 1588 WG and PC37.238 WG to meet to develop a mutually acceptable solution no later than 10 February 2017. If no solution acceptable to both WGs can be developed, the Standards Board will vote to resolve the issue in the March 2017 meeting of the SASB in Shenzhen, China. This process will be mediated by the RevCom Chair. The motion was unanimously approved

6 Standards Coordinating Committee Reports

6.1 SCC Coordinator's [Report](#)

Yu Yuan, SCC Coordinator, reported.

There was a motion:

**Accept the submitted reports from SCC21, SCC31, SCC39, and SCC42.
The motion was unanimously approved.**

6.2 Scheduled Reports Due in December:

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

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](#).

6.2.4 [SCC42](#) – Transportation
(Yu Yuan)

6.3 SCC20 – [50th Anniversary](#)

The SASB gave a round of applause to acknowledge SCC20's 50 years of standards development.

7 Liaison Reports

7.1 IEC SMB [Report](#)

Jack Sheldon, IEC Standardization Strategy Manager, reported.

8 Reports from Government Observers

8.1 NIST [Report](#)

Michael Janezic, Government Observer to the SASB from U.S. NIST, reported.

9 Informational Reports

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

Bruce Kraemer, IEEE-SA President, reported.

The SASB gave a round of applause to IEEE-SA President Kraemer to acknowledge his dedicated leadership and service to IEEE and the IEEE-SA during his term of office.

9.2 CAG [Report](#)

Glenn Parsons, CAG Liaison to the SASB, reported.

9.3 SASB Chair's [Report](#)

Jean-Philippe Faure, SASB Chair, reported.

10 Old Business

10.1 P1838 Oversight Committee Update
[*Executive Session*]

This item was taken after item 11.1.

Executive Session began at 3:00 p.m.

Remaining in the room:

SASB Members, BOG Members, IEEE-SA Senior Directors, IEEE-SA Governance staff, Yvette Ho Sang, Matt Ceglia, Soo Kim, Jon Rosdahl, and Claire Topp

Executive Session concluded at 3:48 p.m.

REPORT OUT

The SASB approved the continuance of the P1838 OC into 2017.

The SASB expanded the scope of the P1838 OC to provide oversight of the Test Technology (C/TT) Sponsor and its subgroups.

11 New Business

11.1 2018 SASB [Calendar](#)

This item was taken after item 11.2

There was a motion:

Move to approve the calendar.

The motion was approved. [Vote: Yes=17, Abstain=1 (Zhong)]

11.2 [Presentation](#) from the EPO

This item was taken after item 9.3.

Francesco Zaccá, Director in ICT – European Patent Office, reported.

12 [Next Meeting](#)

This item was taken after item 10.1.

The next SASB meeting is scheduled for Thursday, 23 March 2017, in Shenzhen, PRC.

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http://www.starwoodhotels.com/westin/property/overview/index.html?propertyID=3346&language=en_US

12.1 [Shenzhen Outreach](#)

Walter Sun, Global Strategy Manager, reported.

13 **SASB Resolutions**

The SASB ratified the actions taken 11 November 2016 by the IEEE 802 LMSC Sponsor in connection with the 802 TGax complaint.

The SASB recognized the Industry Applications Society/Electrical Safety Committee, to be abbreviated as IAS/ESafeC, as an official Sponsor, in accordance with IEEE-SASB Bylaws 5.2.2.

The SASB recognized the Instrumentation and Measurement Society/Secure and Dependable Measurement, to be abbreviated as IM/SDM, as an official Sponsor, in accordance with IEEE-SASB Bylaws 5.2.2.

NPS/NI&D shall submit a draft Sponsor P&P to AudCom by 21 February 2017 or the IEEE-SA Standards Board shall suspend NPS/NI&D's authorization to perform standards work (including but not limited to: PAR actions, Sponsor ballot actions, etc.).

VT/RTSC shall submit a draft Sponsor P&P to AudCom by 21 February 2017 or the IEEE-SA Standards Board shall suspend VT/RTSC's authorization to perform standards work (including but not limited to: PAR actions, Sponsor ballot actions, etc.).

In regards to PC37.238, the Standards Board directs the 1588 WG and PC37.238 WG to meet to develop a mutually acceptable solution no later than 10 February 2017. If no solution acceptable to both WGs can be developed, the Standards Board will vote to resolve the issue in the March 2017 meeting of the SASB in Shenzhen, China. This process will be mediated by the RevCom Chair.

The SASB approved the continuance of the P1838 OC into 2017.

The SASB expanded the scope of the P1838 OC to provide oversight of the Test Technology (C/TT) Sponsor and its subgroups.

14 Adjournment

There being no further business, the meeting was adjourned at 4:08 p.m.