

NesCom Meeting Minutes

6 December 2016

**IEEE-SA Standards Board New Standards Committee (NesCom)
Meeting Minutes**

6 December 2016

8:30 a.m. – 3:30 p.m.

IEEE Operations Center, Piscataway, New Jersey, USA

Members Present:

Ted Burse
Stephen Dukes, Chair
Jianbin Fan
Michael Janezic
Thomas Koshy
Xiaohui Liu
Kevin Lu
Annette Reilly
Dorothy Stanley
Phil Winston

Members Absent:

None

Guests:

Chuck Adams
Victor Huang
Bruce Kraemer
John Kulick
Jon Rosdahl
Don Wright
Francesco Zacca
Jingyi Zhou

Staff:

Natasha Alvarado
Melissa Aranzamendez
Bill Ash
Christy Bahn
Christina Boyce
Kim Breitfelder
Matt Ceglia
Lloyd Green
Mary Ellen Hanntz
Konstantinos Karachalios
Karen Kenney
Soo Kim
Juanita Lewis
Dan Moss
Nicholas Orlando
Walter Pienciak
Indu Porwal
Varun Prabhu
Pat Roder
Rudi Schubert
Erin Spiewak
Lisa Weissner, Administrator
Malia Zaman

[Unless otherwise noted, all votes are unanimous]**1 CALL TO ORDER**

Chair Dukes called the meeting to order at 8:30 a.m. There was a round of introductions by all present.

2 REVIEW OF AGENDA

Chair Dukes noted that there would be a time-specific discussion at 10:00 a.m. to enable the Com/SDB Chair and some of the COM/SDB Working Group Chairs to dial in for the discussion of the Com/SDB New PARs. NB: Given the unanimous consent to recommend approval of all of these PARs, this teleconference did not take place.

There was a motion to approve the agenda. There was no objection to unanimous consent.

2.1 Consent Agenda

2.1.1 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

2.1.2 PARs to be Administratively Withdrawn

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](#))

**2.1.3 A Project Number Change Request was approved for P2680
'Recommended Practice for Databases Used in Utility Automation
Systems'. The new number will be PC37.1.2.**

3 APPROVAL OF MINUTES FROM THE 29 JUNE 2016 NESCOM MEETING

There was a motion to approve the 29 June 2016 NesCom meeting minutes. There
was no objection to unanimous consent.

4 PARS FOR DISCUSSION**4.1 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

4.2 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(TM)

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 for 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. NB: the condition has been met.

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

4.3 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 (6 in favor, 3 opposed)

The Sponsor of this entity PAR changed during the December SASB meeting series from IEEE Computational Intelligence Society/Standards Committee (CIS/SC) to IEEE-SA Board of Governors/Corporate Advisory Group (BOG/CAG). CIS/SC was meeting just before the SASB meeting series to decide whether or not to authorize the PAR. Given the potential for lack of Sponsorship and the number of entities listed on the PAR, BOG/CAG also reviewed the PAR and voted on it prior to the NesCom meeting, and agreed to Sponsor the PAR if CIS/SC did not authorize it. Staff learned shortly before the NesCom meeting that CIS/SC postponed its decision to authorize the PAR because it did not have enough information to make the decision. While the PAR was recommended for approval with BOG/CAG as the current Sponsor, it is noted that Phil Winston spoke against the motion because

there was not enough information provided from CIS/SC about why they postponed the decision.

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. NB: The condition has been met.

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

4.4 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

5 OLD BUSINESS

5.1 Report from the Ad Hoc on Project Authorization Dates and the Initial Ballot Start Date - Phil Winston

Phil Winston reported that the Ad Hoc had a meeting and anticipated receiving data from staff to determine if there are trends that can be used as the basis for potential changes, but the data staff received was not useful for that yet.

Phil also noted that the recent change to the PAR form that added the statement, "Note: Usual minimum time between initial Sponsor ballot and submission to RevCom is 6 months" has helped to reduce the number of PARs with less than six months in between these two stages, and there have been less cases of an initial Sponsor ballot date being shown very close to when the PAR approval date would be. Phil restated the question about whether the IEEE-SA process is fully open if dates for initial ballot shown on the PAR are very close to potential PAR approval dates, because there may not be enough time to communicate about the project to everyone who may be interested in it, and in some cases, there is only the opportunity to join a Sponsor ballot group and object to material that was already accepted by the working group.

The report led to a broad discussion about several of the NesCom processes for PAR review and the NesCom Conventions. The point was raised that there are no checks and balances for dates written on the PAR, and whether NesCom should be reviewing the dates, but then the question was asked about whether NesCom should be only reviewing PARs for typos, which is also not seen as productive.

A NesCom motion was made to revisit the NesCom Conventions and review the NesCom processes in 2017. It was also agreed that information about these topics would be collected from the current NesCom members to form the basis of discussion in a new Ad Hoc to be formed in 2017.

The Ad Hoc on Project Authorization Dates and the Initial Ballot Start Date, Chaired by Phil, and including Matt Ceglia, Dorothy Stanley, and Lisa Weisser was disbanded with thanks.

Motion: NesCom will review the current NesCom Conventions and NesCom review process during 2017 and consider forming an Ad Hoc to recommend potential changes. Upon vote, the motion passed.

AI: Staff needs to determine if there is any action that needs to be taken when NesCom enables Working Groups to proceed even when doing so goes against the NesCom Conventions (e.g., When NesCom recommends approval of an extension request for a PAR entering its 9th year, while the

NesCom Convention states: "If a project reaches 8-years after the date of original PAR approval and has not yet opened a ballot, the existing PAR will not be granted an extension and the PAR shall be withdrawn."

AI: Lisa Weisser will work with Chair Dukes to poll the current (2016) NesCom members about key topics to discuss regarding the NesCom Conventions and the NesCom review process.

AI: Lisa Weisser will add a topic to the March 2017 NesCom agenda about the review of the current NesCom Conventions and review process.

5.2 Report from the Ad Hoc on Social Implications and Ethical Considerations - Mike Janezic and Staff

Mike Janezic reported on the current activity of the Ad Hoc, and explained that, as agreed at the June SASB series, staff will now develop materials to move this concept forward.

Lisa Weisser described current plans for several touch points on this concept: surveys, educational materials on the website, and within upcoming training modules being developed by the IEEE-SA learning community team. There may also be follow up telephone interviews following approval of some relevant standards. Once there is more material developed, it will be shown to relevant committees and the SASB, likely in March.

This Ad Hoc will continue, and serve as a sounding board for staff as materials are developed.

Bruce Kraemer reminded the ad hoc and staff that the recommendations will need to be shared with Technical Activities for dissemination to the Societies.

6 NEW BUSINESS

There was no new business.

7 NEXT MEETING

The next meeting of NesCom will be a Continuous Processing Teleconference on 2 February 2017. The next in-person meeting will take place on 22 March 2017 in Shenzhen, PRC.

8 ADJOURNMENT

There being no further business, the meeting was adjourned at 11:20 a.m.