

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

2 September 2015

New Otani Hotel, Tokyo, Japan

8:30 a.m. - 1:00 p.m.

Members Present:

Osama Aboul-Magd

Stephen Dukes

James Gilb

Mike Janezic

Xiaohui Liu

Andrew Myles

Annette Reilly

Jon Rosdahl

Phil Winston, Chair

David Law

Glenn Parsons

Claire Topp

Yatin Trivedi

Mehmet Ulema

Don Wright

Yu Yuan [part-time by phone]

Members Absent:

Kevin Lu

Curtis Siller

Staff:

Karen Evangelista

Mary Ellen Hanntz

Yvette Ho Sang

Konstantinos Karachalios

Karen Kenney

Soo Kim

Dave Ringle

Sam Sciacca

Erin Spiewak

Lisa Weisser, Administrator

Guests:

Chuck Adams

Carole Carey

Jean-Philippe Faure

Bruce Kraemer

John Kulick

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

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

**2 REVIEW OF AGENDA**

Chair Winston noted that there was one time sensitive PAR discussion; consideration of P2025.1 and P2025.2 would occur at 10:30 a.m. in order to enable the Working Group Chair to join the discussion by phone. He also accepted a request to remove the withdrawal request for P2100.1 from the consent agenda to enable a discussion. All were in agreement with these agenda changes.

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

There was discussion of the withdrawal request for P2100.1 and unanimous approval of the withdrawal request:

### IEEE-SA Board of Governors/Corporate Advisory Group

#### **P2100.1**

Standard Specifications for Wireless Power and Charging Systems

**Recommendation: Approve PAR withdrawal**

### **2.1 Consent Agenda**

#### **2.1.1 Withdrawal Requests**

### IEEE Computer Society/Learning Technology

#### **P1484.12.3-2005/Cor 1**

Standard for Extensible Markup Language (XML) Schema Definition Language Binding for Learning Object Metadata - Corrigendum 1: Corrigendum to Reflect the Learning Object Metadata Corrigendum

**Recommendation: Approve PAR withdrawal**

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

#### **P11073-10404a**

Health Informatics - Personal Health Device Communication - Device Specialization - Pulse Oximeter Amendment

**Recommendation: Approve PAR withdrawal**

#### **P11073-10407a**

Health Informatics - Personal Health Device Communication - Device Specialization - Blood Pressure Monitor Amendment

**Recommendation: Approve PAR withdrawal**

#### **P11073-10408a**

Health Informatics - Personal Health Device Communication Part 10408: Device Specialization - Thermometer Amendment

**Recommendation: Approve PAR withdrawal**

#### **P11073-10415a**

Health Informatics - Personal Health Device Communication - Device Specialization - Weighing Scale Amendment

**Recommendation: Approve PAR withdrawal**

#### **P11073-10420a**

Health Informatics - Personal Health Device Communication Part 10420: Device Specialization - Body Composition Analyzer Amendment

**Recommendation: Approve PAR withdrawal**

IEEE Power and Energy Society/Electric Machinery

**P1415**

Guide for Induction Machinery Maintenance Testing and Failure Analysis

**Recommendation: Approve PAR withdrawal**

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

**P1877**

Standard for Test Orchestration Interface (TOIF) for Orchestrating Resources, Observations, and Information via Web Services

**Recommendation: Approve PAR withdrawal**

**2.1.2 Project Number Change Request for P11073-10702 'Standard for Domain Information & Service Model for Service-Oriented Point-of-Care Medical Device Communication'. The new PAR number will be P11073-10207.**

### **3 APPROVAL OF PRIOR MEETING MINUTES**

There was a motion to approve the 25 March 2015 NesCom meeting minutes and the 5 June 2015 NesCom meeting minutes. There was no objection to unanimous consent.

### **4 PARS FOR DISCUSSION**

#### **4.1 Modified PARs**

IEEE-SA Board of Governors/Corporate Advisory Group

**P2404**

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

**Recommendation: Approve modified PAR**

**P2413**

Standard for an Architectural Framework for the Internet of Things (IoT)

**Recommendation: Approve modified PAR**

IEEE Computer Society/LAN/MAN Standards Committee

**P802.3bq**

Standard for Ethernet Amendment: Physical Layer and Management Parameters for 25 Gb/s and 40 Gb/s Operation, Types 25GBASE-T and 40GBASE-T

**Recommendation: Approve modified PAR**

**P802.15.9**

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

**Recommendation: Approve modified PAR**

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

**P1278.2**

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

**Recommendation: Approve modified PAR**

IEEE Communications Society/Power Line Communications

**P1901.2a**

Standard for Low-Frequency (Less Than 500 kHz) Narrowband Power Line  
Communications for Smart Grid Applications Amendment to IEEE Standard 1901.2-  
2013 Standard for Low-Frequency (Less Than 500 kHz) Narrowband Power Line  
Communications for Smart Grid Applications

**Recommendation: Approve modified PAR**

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

**P11073-10426**

Health Informatics - Personal Health Device Communication - Device Specialization  
- Home Healthcare Environment Ventilator

**Recommendation: Approve modified PAR**

IEEE Industrial Electronics Society/Industrial Electronics Society Standards  
Committee

**P61158**

Standard for Industrial Hard Real-Time Communication

**Recommendation: Approve modified PAR**

IEEE Instrumentation and Measurement Society/TC4 - High Frequency  
Measurement

**P378**

Recommended Practices for Scattering Parameter Measurements Using Vector  
Network Analyzers

**Recommendation: Approve modified PAR**

IEEE Power and Energy Society/Power System Relaying

**PC37.248**

Guide for Common Format for Naming Intelligent Electronic Devices (COMDEV)

**Recommendation: Approve modified PAR**

IEEE Power and Energy Society/Substations

**P1427**

Guide for Recommended Electrical Clearances and Insulation Levels in Air Insulated Electrical Power Substations

**Recommendation: Approve modified PAR**

IEEE Power and Energy Society/Switchgear

**PC37.13.1**

Standard for Definite-Purpose Switching Devices for Use in Metal-Enclosed Low-Voltage (600 Vac and Below) Power Circuit Breaker Switchgear

**Recommendation: Approve modified PAR**

**PC37.27**

Application Guide for Low-Voltage AC (635 V and Below) Power Circuit Breakers Applied with Separately-Mounted Current-Limiting Fuses

**Recommendation: Approve modified PAR**

**4.2 Extension Requests**

IEEE Computer Society/Cloud Computing Standards Committee

**P2301**

Guide for Cloud Portability and Interoperability Profiles (CPIP)

**Recommendation: Approve request for an extension until December 2017**

IEEE Computer Society/LAN/MAN Standards Committee

**P802.15.9**

Recommended Practice for Transport of Key Management Protocol (KMP)

Datagrams

**Recommendation: Approve request for an extension until December 2016**

IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee

**P1900.5.1**

Standard Policy Language for Dynamic Spectrum Access Systems

**Recommendation: Approve request for an extension until December 2017**

**P1900.7**

Radio Interface for White Space Dynamic Spectrum Access Radio Systems

Supporting Fixed and Mobile Operation

**Recommendation: Approve request for an extension until December 2016**

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

**P11073-10422**

Standard for Health Informatics - Personal Health Device Communication - Device Specialization - Urine Analyzer

**Recommendation: Approve request for an extension until December 2016**

IEEE Industry Applications Society/Petroleum & Chemical Industry

**P844.1**

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 2016**

**P844.2**

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 2016**

**P844.3**

Standard for Impedance Heating of Pipelines, Vessels, Equipment, and Structures - General, Testing, Marking, and Documentation Requirements

**Recommendation: Approve request for an extension until December 2017**

**P1673**

Standard for Requirements for Conduit & Cable Seals for Field Connected Wiring to Equipment in Petroleum and Chemical Industry Exposed to Pressures Above Atmospheric (1.5 kilopascals, 0.22 psi)

**Recommendation: Approve request for an extension until December 2017**

**P1810**

Guide for the Installation of Fire-Rated Cables Suitable for Hydrocarbon Pool Fires for Critical and Emergency Shutdown Systems in Petroleum and Chemical Industries

**Recommendation: Approve request for an extension until December 2017**

IEEE Power and Energy Society/Nuclear Power Engineering

**P7-4.3.2**

Standard Criteria for Programmable Digital Devices in Safety Systems of Nuclear Power Generating Stations

**Recommendation: Approve request for an extension until December 2016**

IEEE Power and Energy Society/Power System Communications

**P1591.2**

Standard for Testing and Performance of Hardware for All-Dielectric Self-Supporting (ADSS) Fiber Optic Cable

**Recommendation: Approve request for an extension until December 2016**

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

**PC62.92.1**

Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part 1 - Introduction

**Recommendation: Approve request for an extension until December 2016**

**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 2016**

IEEE Power and Energy Society/Substations

**PC37.1.1**

Standard for Input and Output Requirements and Testing Methodology for Intelligent Electronic Devices (IEDs)

**Recommendation: Approve request for an extension until December 2017**  
**[Approve=5, Disapprove=3]**

IEEE Power and Energy Society/Switchgear

**PC37.100.1**

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

**Recommendation: Approve request for an extension until December 2016**

IEEE Power and Energy Society/Transmission and Distribution

**P1243**

Guide for Improving the Lightning Performance of Transmission Lines

**Recommendation: Approve request for an extension until December 2017**

IEEE Power and Energy Society/Transformers

**PC57.140**

Guide for Evaluation and Reconditioning of Liquid Immersed Power Transformers

**Recommendation: Approve request for an extension until December 2017**

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 request for an extension until December 2016**

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

#### **P1871.2**

Recommended Practice for IEEE 1671 Test Equipment Templates and Extension Classes for Describing Intrinsic Signal Path Information for Cables, Interface Adaptors and Test Equipment

**Recommendation: Approve request for an extension until December 2017**

#### **4.3 New PARs**

IEEE-SA Board of Governors/Corporate Advisory Group

#### **P1865**

Specifications for Maintenance and Testing of Distributed Control Systems in Power Plants

**Recommendation: Approve new PAR until December 2019**

**Note:** This PAR was initially recommended for deferral and Jon Rosdahl agreed to be a mentor for the Working Group for this project. After discussions during the meeting series, the PAR was removed from the SASB consent agenda and recommended for conditional approval. The conditions have been met.

IEEE Computer Society/LAN/MAN Standards Committee

#### **P802.1AX-2014/Cor 1**

Standard for Local and Metropolitan Area Networks - Link Aggregation - Corrigendum 1: Technical and Editorial Corrections

**Recommendation: Approve new PAR until December 2019**

#### **P802.1CM**

Time-Sensitive Networking for Fronthaul

**Recommendation: Approve new PAR until December 2019**

#### **P802.1Qcn**

Standard for Local and Metropolitan Area Networks - Bridges and Bridged Networks Amendment: Virtual Station Interface (VSI) Discovery and Configuration Protocol (VDP) Extension to Support Network Virtualization Overlays Over Layer 3 (NVO3)

**Recommendation: Approve new PAR until December 2019**

#### **P802.1Qcp**

Standard for Local and Metropolitan Area Networks - Bridges and Bridged Networks Amendment: YANG Data Model

**Recommendation: Approve new PAR until December 2019**



**P802.1Xck**

Standard for Local and Metropolitan Area Networks - Port-Based Network Access Control Amendment: YANG Data Model

**Recommendation: Approve new PAR until December 2019**

**P802.11az**

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 - Enhancements for Positioning

**Recommendation: Approve new PAR until December 2019**

**P802.19.1a**

Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 19: TV White Space Coexistence Methods Amendment: Coexistence Methods for Geo-Location Capable Devices Operating Under General Authorization

**Recommendation: Approve new PAR until December 2019**

**P802E**

Recommended Practice for Privacy Considerations for IEEE 802 Technologies

**Recommendation: Approve new PAR until December 2019**

**IEEE Computer Society/Standards Activities Board****P3333.2.5**

Bio-CAD File Format for Medical Three-Dimensional (3D) Printing

**Recommendation: Approve new PAR until December 2019**

**IEEE Consumer Electronics Society/Standards Committee**

CES Chair Yu Yuan joined the meeting by phone for the discussion of these three PARS:

**P360**

Standard for Wearable Consumer Electronic Devices - Overview and Architecture

**Recommendation: Approve new PAR until December 2019**

**P2025.1**

Standard for Consumer Drones: Taxonomy and Definitions

**Recommendation: Defer new PAR until the next NesCom meeting**

**P2025.2**

Standard for Consumer Drones: Privacy and Security

**Recommendation: Defer new PAR until the next NesCom meeting**

**AI:** Annette Reilly, Jon Rosdahl, and Steve Dukes agreed to be mentors for the PAR wording for P2025.1 and P2025.2.

### IEEE Dielectrics and Electrical Insulation Society/Standards Committee

#### **P1732**

Recommended Practice for Space Charge Measurements in Full-Size High Voltage Direct Current Extruded Cables

**Recommendation: Defer new PAR until the next NesCom meeting**

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

#### **P11073-10419-2015/Cor 1**

Health Informatics - Personal Health Device Communication - Part 10419: Device Specialization - Insulin Pump - Corrigendum 1

**Recommendation: Approve new PAR until December 2019**

#### **P11073-10424-2014/Cor 1**

Health Informatics - Personal Health Device Communication - Part 10424: Device Specialization - Sleep Apnoea Breathing Therapy Equipment (SABTE) - Corrigendum 1

**Recommendation: Approve new PAR until December 2019**

#### **P11073-10425-2014/Cor 1**

Health Informatics - Personal Health Device Communication - Part 10425: Device Specialization - Continuous Glucose Monitor (CGM) - Corrigendum 1

**Recommendation: Approve new PAR until December 2019**

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

#### **P2650**

Standard for Enabling Mobile Device Platforms to be Used as Pre-Screening Audiometric Systems

**Recommendation: Approve new PAR until December 2019**

### IEEE Industry Applications Society/Technical Books Coordinating Committee

#### **P3005.4**

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

**Recommendation: Approve new PAR until December 2019**

#### **P3005.7**

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

**Recommendation: Approve new PAR until December 2019**

**IEEE Power and Energy Society/Surge Protective Devices/High Voltage****PC62.92.6**

Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part VI  
- Systems Supplied by Current-Regulated Sources

**Recommendation: Approve new PAR until December 2019**

**IEEE Power and Energy Society/Surge Protective Devices/Low Voltage****PC62.55**

Guide for Surge Protection of DC Power Feeds to Remote Radio Heads (RRH)

**Recommendation: Approve new PAR until December 2019**

**PC62.59**

Standard for Test Methods and Preferred Values for Voltage Limiting, Clamping-Type, PN Junction Surge Protective Components

**Recommendation: Approve new PAR until December 2019**

**IEEE Power and Energy Society/Transmission and Distribution****P1870**

Guide for the Parameter Measurement of AC Transmission Lines

**Recommendation: Approve new PAR until December 2019**

**PC135.80-2012/Cor 1**

Standard for Fasteners for Overhead Line Construction - Corrigendum 1: Table 5 - Dimensions of Hex Nuts

**Recommendation: Approve new PAR until December 2019**

**4.4 PARs for the Revision of Standards****IEEE Computer Society/LAN/MAN Standards Committee****P802.15.3**

Standard for High Data Rate Wireless Multi-Media Networks

**Recommendation: Approve PAR for the revision of a standard until December 2019**

**IEEE Computer Society/Microprocessor Standards Committee****P754**

Standard for Floating-Point Arithmetic

**Recommendation: Approve PAR for the revision of a standard until December 2019**

**IEEE Computer Society/Software & Systems Engineering Standards Committee****P15939**

Systems and Software Engineering - Measurement Process

**Recommendation: Approve PAR for the revision of a standard until December 2019**

IEEE Communications Society/Standards Development Board

**P1652**

Standard for Translating Head and Torso Simulator Measurements from Eardrum to Other Acoustic Reference Points

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

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

**P11073-10404**

Health Informatics - Personal Health Device Communication - Part 10404: Device Specialization - Pulse Oximeter

**Recommendation: Conditionally approve PAR for the revision of a standard until December 2019; contingent upon deleting duplicate standards mentioned in 8.1 on the PAR and adding item numbers.**

**P11073-10407**

Health Informatics - Personal Health Device Communication - Device Specialization - Blood Pressure Monitor

**Recommendation: Conditionally Approve PAR for the revision of a standard until December 2019; contingent upon deleting duplicate standards mentioned in 8.1 on the PAR and adding item numbers.**

**P11073-10408**

Health Informatics - Personal Health Device Communication Part 10408: Device Specialization - Thermometer

**Recommendation: Conditionally approve PAR for the revision of a standard until December 2019; contingent upon deleting duplicate standards mentioned in 8.1 on the PAR and adding item numbers.**

**P11073-10415**

Health Informatics - Personal Health Device Communication - Device Specialization - Weighing Scale

**Recommendation: Conditionally approve PAR for the revision of a standard until December 2019; contingent upon deleting duplicate standards mentioned in 8.1 on the PAR and adding item numbers.**

**P11073-10420**

Health Informatics - Personal Health Device Communication Part 10420: Device Specialization - Body Composition Analyzer

**Recommendation: Conditionally approve PAR for the revision of a standard until December 2019; contingent upon deleting TM-20081 and deleting**

***duplicate standards mentioned in 8.1 on the PAR and adding item numbers.***

IEEE Power and Energy Society/Electric Machinery

**P433**

Recommended Practice for Insulation Testing of AC Electric Machinery with High Voltage at Very Low Frequency

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

**P1110**

Guide for Synchronous Generator Modeling Practices and Parameter Verification with Applications in Power System Stability Analyses

***Recommendation: Approve PAR for the revision of a standard until December 2019***

IEEE Power and Energy Society/Insulated Conductors

**P48**

Standard for Test Procedures and Requirements for Alternating-Current Cable Terminations Used on Shielded Cables Having Laminated Insulation Rated 2.5 kV through 765 kV or Extruded Insulation Rated 2.5 kV through 500 kV

***Recommendation: Approve PAR for the revision of a standard until December 2019***

**P1185**

Recommended Practice for Cable Installation in Generating Stations and Industrial Facilities

***Recommendation: Approve PAR for the revision of a standard until December 2019***

**P1210**

Standard Tests for Determining Compatibility of Cable-Pulling Lubricants with Wire and Cable

***Recommendation: Approve PAR for the revision of a standard until December 2019***

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

**P859**

Standard Terms for Reporting and Analyzing Outage Occurrences and Outage States of Electrical Transmission Facilities

***Recommendation: Approve PAR for the revision of a standard until December 2019***

IEEE Power and Energy Society/Switchgear

**PC37.21**

Standard for Control Switchboards

**Recommendation: Approve PAR for the revision of a standard until December 2019**

IEEE Power and Energy Society/Transmission and Distribution

**P824**

Standard for Series Capacitor Banks in Power Systems

**Recommendation: Approve PAR for the revision of a standard until December 2019**

IEEE Power and Energy Society/Transformers

**PC57.12.58**

Guide for Conducting a Transient Voltage Analysis of a Dry-Type Transformer Coil

**Recommendation: Approve PAR for the revision of a standard until December 2019**

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

**P1445**

Standard for Digital Test Interchange Format (DTIF)

**Recommendation: Approve PAR for the revision of a standard until December 2019**

**5 OLD BUSINESS****5.1 Appropriate participation thresholds for entity and individual projects -**

Andrew Myles presented the information that he initially introduced during the June 2015 NesCom teleconference. The discussion initiated from the question on the PAR form related to how many people are actively working on the project, and it expanded to the broader discussion about stakeholder outreach and whether or not standards should all be global. There was a lot of interest from all of the stakeholders represented in the meeting room, and it was agreed that the topics raised in Andrew's presentation were more appropriate at the SASB level. Chuck Adams mentioned that this should also be addressed in the CAG, but it was agreed that the CAG should be represented on the SASB Ad Hoc.

**Motion: Develop an Ad Hoc at the Standards Board level to clarify what is required information with regard to participation levels on the PAR form and for new projects. The motion was approved [5 in favor, 2 opposed].**

**6 NEW BUSINESS****6.1 Update on myProject redesign**

Lisa Weisser provided a brief update on some of the design and functionality elements that will be available with the redesign of myProject.

**7 NEXT MEETING**

The next meeting of NesCom will be a Continuous Processing Teleconference on 16 October 2015. The submittal deadline is 4 September. The next in-person meeting will take place on 4 December 2015 in Piscataway, NJ, USA.

**8 ADJOURNMENT**

The meeting was adjourned at 1:00 p.m.