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

Members Absent:
Kevin Lu
Curtis Siller

Guests:
Chuck Adams
Carole Carey
Jean-Philippe Faure
Bruce Kraemer
John Kulick

Staff:
David Law
Glenn Parsons
Claire Topp
Yatin Trivedi
Mehmet Ulema
Don Wright
Yu Yuan [part-time by phone]
Karen Evangelista
Mary Ellen Hanntz
Yvette Ho Sang
Konstantinos Karachalios
Karen Kenney
Soo Kim
Dave Ringle
Sam Sciacca
Erin Spiewak
Lisa Weisser, Administrator

[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**
**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/Std 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
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

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

Recommendation: Approve request for an extension until December 2017

IEEE Power and Energy Society/Nuclear Power Engineering

P7-4.3.2

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

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

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**

*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.