

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

14 June 2017

9:00 a.m. – 1:00 p.m.

The Westin Palace Hotel, Milan, Italy

Members Present:

Ted Burse

Stephen Dukes, Chair

Thomas Koshy

Daleep Mohla

Damir Novosel

Glenn Parsons

Dorothy Stanley

Mehmet Ulema

Phil Winston

Jingyi Zhou

Evelyn Chen

Jean-Philippe Faure

Michael Janezic

Hung Ling

Annette Reilly

Matteo Sabbatini

Don Wright

Staff:

Melissa Aranzamendez

Hermann Brand

Matt Ceglia

Konstantinos Karachalios

Patrick McCarren

Rudi Schubert

Lisa Weisser, Administrator

Members Absent:

None

Guests:

Chuck Adams

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

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

2 REVIEW OF AGENDA

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****P802.1ARce**

Standard for Local and Metropolitan Area Networks - Secure Device Identity
Amendment 1: SHA-384 and P-384 Elliptic Curve

Recommendation: Approve PAR withdrawal

P802.15.4-2011/Cor 1

Standard for Local and Metropolitan Area Networks - Part 15.4: Low-Rate Wireless
Personal Area Networks (LR-WPANs) - Corrigendum 1

Recommendation: Approve PAR withdrawal

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

P1514

Recommended Practice for the Design and Integration of Fixtures Applied to
Generic Test Interfaces of Automatic Test Systems

Recommendation: Approve PAR withdrawal

3 APPROVAL OF MINUTES FROM THE 22 MARCH 2017 NESCOM MEETING

There was a motion to approve the 22 March 2017 NesCom meeting minutes.
There was no objection to unanimous consent.

4 PARS FOR DISCUSSION

4.1 Modified PARs

IEEE Power and Energy Society/Transformers

PC57.160

Guide for the Electrical Measurement of Partial Discharges in High Voltage Bushings
and Instrument Transformers

Recommendation: Approve modified PAR

4.2 Extension Requests

IEEE Computer Society/Microprocessor Standards Committee

P1394

Standard for a High-Performance Serial Bus

Recommendation: Approve request for an extension until December 2019

P1890

Standard for Error Correction Coding of Flash Memory Using Low-Density Parity
Check Codes

Recommendation: Approve request for an extension until December 2019

IEEE Communications Society/Standards Development Board

P269

Standard for Measuring Electroacoustic Performance of Communication Devices

Recommendation: Approve request for an extension until December 2018

IEEE Power and Energy Society/Energy Storage & Stationary Battery Committee

P2405

Standard for the Design of Battery Chargers Used in Stationary Applications

Recommendation: Approve request for an extension until December 2020

IEEE Power and Energy Society/Nuclear Power Engineering

P1891

Standard Criteria for Application of Intelligent Digital Devices to Nuclear Power Generating Stations

Recommendation: Approve request for an extension until December 2019

IEEE Power and Energy Society/Switchgear

PC37.09

Standard Test Procedure for AC High-Voltage Circuit Breakers with Rated Maximum Voltage above 1000 V

Recommendation: Approve request for an extension until December 2018

IEEE Power and Energy Society/Transformers

PC57.13.8

Standard Requirements for Station Service Voltage Transformers

Recommendation: Approve request for an extension until December 2019

PC57.160

Guide for the Electrical Measurement of Partial Discharges in High Voltage Bushings and Instrument Transformers

Recommendation: Approve request for an extension until December 2019

4.3 New PARs

IEEE-SA Board of Governors/Corporate Advisory Group

P2418

Standard for the Framework of Blockchain Use in Internet of Things (IoT)

Recommendation: Approve new PAR until December 2021

P2755.1

Taxonomy and Classification for Software Based Intelligent Process Automation (SBIPA) Technology

Recommendation: Approve new PAR until December 2021

P7130

Standard for Quantum Computing Definitions

Recommendation: Approve new PAR until December 2021

IEEE Computer Society/LAN/MAN Standards Committee

P802.21-2017/Cor 1

Standard for Local and Metropolitan Area Networks - Part 21: Media Independent Services Framework - Corrigendum 1: Clarification of Parameter Definition in Group Session Key Derivation

Recommendation: Approve new PAR until December 2021

IEEE Computer Society/Software & Systems Engineering Standards Committee

P42030

Standard for Systems and Software Engineering - Architecture Evaluation

Recommendation: Approve new PAR until December 2021

IEEE Consumer Electronics Society/Standards Committee

P2900

Standard for Smart Home Security: Overview and Architecture

Recommendation: Approve new PAR until December 2021

P2900.1

Standard for Smart Home Security: Taxonomy and Definitions

Recommendation: Approve new PAR until December 2021

IEEE Communications Society/Power Line Communications

P1901.1.1

Standard Test Procedures for IEEE 1901.1 Standard for Medium Frequency (less than 15 MHz) Power Line Communications for Smart Grid Applications

Recommendation: Approve new PAR until December 2021

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

P11073-10428

Health Informatics - Personal Health Device Communication - Device Specialization - Electronic Stethoscope

Recommendation: Approve new PAR until December 2021

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P1595

Standard for Testing and Performance for Optical Phase Conductor (OPPC) for Use on Electrical Utility Power Lines

Recommendation: Approve new PAR until December 2021

IEEE Power and Energy Society/Power System Instrumentation and Measurements

P2426

Guide for Field Measurement of Fast-Front and Very Fast-Front Overvoltages in Electric Power System

Recommendation: Approve new PAR until December 2021

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

P2771

Guide for Parameter Configuration of Arcing Horns of DC Earth Electrode Lines

Recommendation: Approve new PAR until December 2021

IEEE Power and Energy Society/Switchgear

PC37.75

Standard for Pad-Mounted, Pole-Mounted and Submersible Switchgear Enclosures and Associated Control Enclosures-Coastal and Non-Coastal Environmental Integrity

Recommendation: Approve new PAR until December 2021

IEEE Robotics and Automation Society/Standing Committee for Standards

P1872.2

Standard for Autonomous Robotics (AuR) Ontology

Recommendation: Approve new PAR until December 2021 (6 in favor, 3 opposed [Winston, et al.]

P7008

Standard for Ethically Driven Nudging for Robotic, Intelligent and Autonomous Systems

Recommendation: Approve new PAR until December 2021

IEEE Reliability Society/IEEE Reliability

P7009

Standard for Fail-Safe Design of Autonomous and Semi-Autonomous Systems

Recommendation: Approve new PAR until December 2021

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

P1528.6

Recommended Practice for Computational Techniques to Determine the Power Density of the Electromagnetic Field Associated with Human Exposure to Wireless Devices and Network Equipment, 6 GHz to 100 GHz

Recommendation: Approve new PAR until December 2021

IEEE Sensors Council/Standards Committee

P2510

Standard for Establishing Quality of Data Sensor Parameters in the Internet of Things Environment

Recommendation: Approve new PAR until December 2021

IEEE Systems, Man, and Cybernetics Society/Standards Committee

P7010

Wellbeing Metrics Standard for Ethical Artificial Intelligence and Autonomous Systems

Recommendation: Approve new PAR until December 2021

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.2b

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

Recommendation: Approve new PAR until December 2021**4.4 PARs for the Revision of Standards**

IEEE Computer Society/Portable Applications

P1003.1

Standard for Information Technology - Portable Operating System Interface (POSIX(R))

Recommendation: Approve PAR for the revision of a standard until December 2021

IEEE Computer Society/Software & Systems Engineering Standards Committee

P24748-3

Systems and Software Engineering-Life Cycle Management-Part 3: Guidelines for the Application of ISO/IEC/IEEE 12207 (Software Life Cycle Processes)

Recommendation: Approve PAR for the revision of a standard until December 2021

It was noted that there was still an open comment about the type of project this will be (i.e., a guide or a recommended practice) based on several sections on the PAR. Annette Reilly clarified that this is a joint IEEE/ISO/IEC project and the terminology for documents that are not normative standards is not equivalent. It was agreed that the PAR is fine as it is written. It was also agreed that there may

be a need to add this type of explanation to the NesCom Conventions and/or as separate educational materials, or to have Annette do a brief presentation about working with ISO.

AI: Information about working with ISO/IEC will be added to educational materials and/or the NesCom Conventions.

IEEE Dielectrics and Electrical Insulation Society/Standards Committee

P1523

Guide for the Application, Maintenance, and Evaluation of Room Temperature Vulcanizing (RTV) Silicone Rubber Coatings for Outdoor Ceramic Insulators

Recommendation: Approve PAR for the revision of a standard until December 2021

IEEE Power and Energy Society/Switchgear

PC37.011

Guide for the Application of Transient Recovery Voltage for AC High-Voltage Circuit Breakers with Rated Maximum Voltage above 1000 V

Recommendation: Approve PAR for the revision of a standard until December 2021

IEEE Power and Energy Society/Transmission and Distribution

P1453

Voltage Fluctuations/Flicker Standard for the Analysis of Fluctuating Power Installations on Power Systems

Recommendation: Approve PAR for the revision of a standard until December 2021

IEEE Power and Energy Society/Transformers

PC57.123

Guide for Transformer Loss Measurement

Recommendation: Approve PAR for the revision of a standard until December 2021

PC57.124

Recommended Practice for the Detection of Partial Discharge and the Measurement of Apparent Charge in Dry-Type Transformers

Recommendation: Approve PAR for the revision of a standard until December 2021

5 OLD BUSINESS

5.1 NesCom Conventions and Processes Review Ad Hoc Report - Dorothy Stanley

Dorothy Stanley described the progress of the ad hoc, which met two times so far. There was a discussion about the use of Conventions as guidelines, which will help the ad hoc in structuring the language in its recommendations (e.g., the use of the word "will" instead of the word "shall"). A suggestion was made to compare the NesCom Conventions to the RevCom Conventions to potentially use a similar structure.

It was agreed that while there is information available about developing and submitting PARs, it is not always easy to locate, and this is an opportunity for more educational materials to be displayed along with the NesCom Conventions.

Glenn Parsons also suggested that if there are any items in the Conventions that need to actually be rules that these could be elevated to ProCom and documented elsewhere.

Dorothy requested that the ad hoc be able to continue its work and NesCom agreed to the request.

6 NEW BUSINESS

There was no new business.

7 NEXT MEETING

The next meeting of NesCom is scheduled to take place by teleconference on 7 September 2017, but this date may need to change and if that is the case, a Doodle poll will be sent. The next in-person meeting of NesCom will take place on 5 December 2017 in Piscataway, New Jersey, USA.

8 ADJOURNMENT

There being no further business, the meeting was adjourned at 10:30 a.m.