

NesCom Meeting Minutes

20 March 2019

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

20 March 2019

9:00 a.m. – 12:00 p.m.

Munich, Germany

Members Present:

Alan Berkema  
Ted Burse  
Stephen Dukes  
John Kulick  
Joseph Levy  
Kevin Lu  
Dorothy Stanley, Chair  
Sha Wei  
Feng Wu  
Jingyi Zhou

David Law  
Hung Ling  
Marco Lo Bue  
Hiroshi Mano  
Riccardo Mariani  
Daleep Mohla  
Andrew Myles  
Annette Reilly  
Robby Robson  
Jon Rosdahl  
Matteo Sabattini  
Claire Topp  
Victoria Wang  
Constance Weise  
Don Wright  
Isamu Yamada

Members Absent:

Grace Gu  
Mehmet Ulema  
Philip Winston

Guests:

Chuck Adams  
Michael Atlass  
Edward Au  
Evelyn Chen  
Marla Dowell  
Doug Edwards  
Jean-Philippe Faure  
Robert Fish  
Travis Griffith  
Guido Hiertz  
Gary Hoffman  
Thomas Koshy

Staff:

Hermann Brand  
Rob Craig  
Karen Evangelista  
Jonathan Goldberg  
Mary Ellen Hanntz  
Yvette Ho Sang  
Konstantinos Karachalios  
Dave Ringle  
Rudi Schubert  
Sam Sciacca  
Lisa Weisser, Administrator

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

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

## 2 REVIEW OF AGENDA

The agenda was reviewed and Chair Stanley asked if there were any changes to be made. There were none.

**A motion was made to approve the 20 March 2019 NesCom meeting agenda. The motion was unanimously approved.**

### 2.1 Consent Agenda

There were no items on the consent agenda.

#### 2.1.1 Withdrawal Requests

There were no withdrawal requests.

## 3 PARS FOR DISCUSSION

### 3.1 Modified PARs

IEEE IEEE-SA Board of Governors/Corporate Advisory Group

#### P2755.1

Guide for Taxonomy for Intelligent Process Automation Product Features and Functionality

**Recommendation: Approve modified PAR**

IEEE Consumer Electronics Society/Standards Committee

#### P2048.1

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

**Recommendation: Approve modified PAR**

#### P2048.2

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

**Recommendation: Approve modified PAR**

#### P2048.3

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

**Recommendation: Approve modified PAR**

#### P2048.4

Standard for Virtual Reality and Augmented Reality: Person Identity

**Recommendation: Approve modified PAR**

**P2048.5**

Standard for Virtual Reality and Augmented Reality: Environment Safety

**Recommendation: Approve modified PAR**

**P2048.6**

Standard for Virtual Reality and Augmented Reality: Immersive User Interface

**Recommendation: Approve modified PAR**

**P2048.7**

Standard for Virtual Reality and Augmented Reality: Map for Virtual Objects in the Real World

**Recommendation: Approve modified PAR**

**P2048.8**

Standard for Virtual Reality and Augmented Reality: Interoperability between Virtual Objects and the Real World

**Recommendation: Approve modified PAR**

**P2048.9**

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

**Recommendation: Approve modified PAR**

**P2048.10**

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

**Recommendation: Approve modified PAR**

**P2048.11**

Standard for Virtual Reality and Augmented Reality: In-Vehicle Augmented Reality

**Recommendation: Approve modified PAR**

**P2048.12**

Standard for Virtual Reality and Augmented Reality: Content Ratings and Descriptors

**Recommendation: Approve modified PAR**

**IEEE Power and Energy Society/Power System Relaying and Control**

**PC37.90.2**

Standard for Withstand Capability of Relay Systems to Radiated Electromagnetic Interference from Transceivers

**Recommendation: Approve modified PAR**

**IEEE Power and Energy Society/Transformers**

**PC57.13.8**

Standard Requirements for Station Service Voltage Transformers

**Recommendation: Approve modified PAR**

## IEEE Vehicular Technology Society/Intelligent Transportation Systems

### **P1609.3**

Standard for Wireless Access in Vehicular Environments (WAVE) - Networking Services

**Recommendation: Approve modified PAR**

### **3.2 Extension Requests**

There were no extension requests.

### **3.3 New PARs**

## IEEE Computer Society/LAN/MAN Standards Committee

### **P802.3cu**

Standard for Ethernet

Amendment: Physical Layers and Management Parameters for 100 Gb/s and 400 Gb/s Operation over Single-Mode Fiber at 100 Gb/s per Wavelength

**Recommendation: Approve new PAR until December 2023**

### **P802.11be**

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: Enhancements for Extremely High Throughput (EHT)

**Recommendation: Approve new PAR until December 2023 (8 approve, 1 recuse [Levy])**

## IEEE Computer Society/Learning Technology

### **P2247.2**

Interoperability Standards for Adaptive Instructional Systems (AISs)

**Recommendation: Approve new PAR until December 2023**

### **P2247.3**

Recommended Practices for Evaluation of Adaptive Instructional Systems

**Recommendation: Approve new PAR until December 2023**

## IEEE Computer Society/Standards Activities Board

### **P2806**

System Architecture of Digital Representation for Physical Objects in Factory Environments

**Recommendation: Conditionally approve new PAR until December 2023; contingent upon staff updating the text to reflect the changes shown during the NesCom meeting.**

**NB: The Chair of the Standards Committee who was present at the meeting and the Chair of the Working Group are in agreement with these changes. The condition has been met.**

**P2807**

Framework of Knowledge Graphs

**Recommendation: Approve new PAR until December 2023**

IEEE Consumer Electronics Society/Blockchain Standards Committee

**P2140.2**

Standard for Security Management for Customer Cryptographic Assets on Cryptocurrency Exchanges

**Recommendation: Approve new PAR until December 2023**

**P2140.3**

Standard for User Identification and Anti-Money Laundering on Cryptocurrency Exchanges

**Recommendation: Approve new PAR until December 2023**

**P2141.1**

Standard for the Use of Blockchain in Anti-Corruption Applications for Centralized Organizations

**Recommendation: Approve new PAR until December 2023**

**P2418.8**

Standard for Blockchain Applications in Governments

**Recommendation: Approve new PAR until December 2023**

IEEE Consumer Electronics Society/Standards Committee

**P2049.1**

Standard for Human Augmentation: Taxonomy and Definitions

**Recommendation: Approve new PAR until December 2023**

**P2049.2**

Standard for Human Augmentation: Privacy and Security

**Recommendation: Approve new PAR until December 2023**

**P2788**

Standard for Circulating Air Pressure Physiotherapy Equipment Used in the Home Healthcare Environment

**Recommendation: Approve new PAR until December 2023**

**P2811**

Standard for Architectural Framework and Technical Requirements for Smart Lock

**Recommendation: Approve new PAR until December 2023**

**P2812**

Guide for Minor Guardianship System for Online Mobile Gaming

**Recommendation: Approve new PAR until December 2023**

**P2813**

Standard for Big Data Business Security Risk Assessment (BD BSRA)

**Recommendation: Approve new PAR until December 2023 (8 approve, 1 abstain)**

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

**P11073-10107**

Standard for Nomenclature for External Control of Medical Devices

**Recommendation: Approve new PAR until December 2023**

**P11073-10700**

Standard for Common Base Requirements for Participants in a Service-Oriented Device Connectivity (SDC) System

**Recommendation: Approve new PAR until December 2023**

**P11073-10701**

Standard for Metric Provisioning by Participants in a Service-Oriented Device Connectivity (SDC) System

**Recommendation: Approve new PAR until December 2023**

**P11073-10702**

Standard for Alert Provisioning by Participants in a Service-Oriented Device Connectivity (SDC) System

**Recommendation: Approve new PAR until December 2023**

**P11073-10703**

Standard for External Control by Participants in a Service-Oriented Device Connectivity (SDC) System

**Recommendation: Approve new PAR until December 2023**

**P11073-10720**

Module Specifications for a Service-Oriented Medical Device Exchange Architecture

**Recommendation: Approve new PAR until December 2023**

**P11073-10721**

Device Specialization – High Frequency (200 kHz to < 5 MHz) Surgical Equipment

**Recommendation: Conditionally approve new PAR until December 2023; contingent upon staff adding the provided range for high frequency to the title and the Working Group Chair agreeing that the frequency range is correctly shown.**

**NB: The condition has been met.**

**P11073-10722**

Device Specialization – Endoscopic camera

**Recommendation: Approve new PAR until December 2023**

**P11073-10723**

Device Specialization – Endoscopic light source

**Recommendation: Approve new PAR until December 2023**

**P11073-10724**

Device Specialization – Endoscopic insufflator

**Recommendation: Approve new PAR until December 2023**

**P11073-10725**

Device Specialization – Endoscopic pump

**Recommendation: Approve new PAR until December 2023**

IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

**P2023**

Standard for Digital Transformation Architecture and Framework

**Recommendation: Approve new PAR until December 2023**

IEEE Power and Energy Society/Insulated Conductors

**P2810**

Guide for Field Dielectric Enhancement of Polyethylene and Cross-Linked Polyethylene Power Cables

**Recommendation: Approve new PAR until December 2023**

IEEE Power and Energy Society/Power System Communications and Cybersecurity

**P2808**

Standard for Function Designations Used in Electrical Power Systems for Cyber Services and Cybersecurity

**Recommendation: Approve new PAR until December 2023**

IEEE Power and Energy Society/Power System Relaying and Control

**PC37.1.3**

Recommended Practice for Human Machine Interfaces (HMIs) Used with Electric Utility Automation Systems

**Recommendation: Approve new PAR until December 2023**

IEEE Power and Energy Society/Substations

**PC37.122.9**

Guide for Condition Assessment of Gas-Insulated Substations

**Recommendation: Approve new PAR until December 2023**

IEEE Power and Energy Society/Transmission and Distribution

**P2798**

Guide for Helicopter Operation Procedures for the Utility Industry  
**Recommendation: Approve new PAR until December 2023**

IEEE Power and Energy Society/Transformers

**PC57.13-2016/Cor 1**

Standard Requirements for Instrument Transformers – Corrigendum 1  
**Recommendation: Approve new PAR until December 2023**

IEEE Sensors Council/Standards Committee

**P2520**

Standard for Testing Machine Olfaction Devices and Systems  
**Recommendation: Approve new PAR until December 2023**

IEEE Vehicular Technology Society/Intelligent Transportation Systems

**P1920.2**

Standard for Vehicle to Vehicle Communications for Unmanned Aircraft Systems  
**Recommendation: Approve new PAR until December 2023 (6 approve, 1 disapprove, 1 abstain)**

**3.4 PARs for the Revision of Standards**

IEEE Computer Society/Design Automation

**P1800.2**

Standard for Universal Verification Methodology Language Reference Manual  
**Recommendation: Approve PAR for the revision of a standard until December 2023**

IEEE Communications Society/Dynamic Spectrum Access Networks Standards Committee

**P1900.5**

Standard for Requirements and System Architectures for Dynamic Spectrum Access Systems  
**Recommendation: Approve PAR for the revision of a standard until December 2023**

IEEE Industry Applications Society/Petroleum & Chemical Industry

**P60079-30-1**



International Standard – Explosive Atmospheres - Part 30-1: Electrical Resistance Trace Heating - General and Testing Requirements

**Recommendation: Approve PAR for the revision of a standard until December 2023**

**P60079-30-2**

International Standard for Explosive Atmospheres - Part 30-2: Electrical Resistance Trace Heating - Application Guide for Design, Installation and Maintenance

**Recommendation: Approve PAR for the revision of a standard until December 2023**

IEEE Power and Energy Society/Energy Development & Power Generation

**P1020**

Guide for Control of Small (100 kVA to 5 MVA) Hydroelectric Power Plants

**Recommendation: Approve PAR for the revision of a standard until December 2023**

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

**P1189**

Guide for Selection of Batteries for Standby Applications

**Recommendation: Approve PAR for the revision of a standard until December 2023**

IEEE Power and Energy Society/Insulated Conductors

**P386**

Standard for Shielded Separable Insulated Connectors for Classes 15 kV through 35 kV

**Recommendation: Approve PAR for the revision of a standard until December 2023**

**P400**

Guide for Field Testing and Evaluation of the Insulation of Shielded Power Cable Systems Rated 5 kV and Above

**Recommendation: Approve PAR for the revision of a standard until December 2023**

IEEE Power and Energy Society/Nuclear Power Engineering

**P317**

Standard for Electric Penetration Assemblies in Containment Structures for Nuclear Power Generating Stations

**Recommendation: Approve PAR for the revision of a standard until December 2023**

**P334**

Standard for Qualifying Alternating Current Class 1E Motors for Nuclear Power Generating Stations

**Recommendation: Approve PAR for the revision of a standard until December 2023**

IEEE Power and Energy Society/Power System Instrumentation and Measurements

**P120**

Master Test Guide for Electrical Measurements in Power Circuits

**Recommendation: Approve PAR for the revision of a standard until December 2023**

**P1459**

Standard Definitions for the Measurement of Electric Power Quantities under Sinusoidal, Nonsinusoidal, Balanced, or Unbalanced Conditions

**Recommendation: Approve PAR for the revision of a standard until December 2023**

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

**PC62.55**

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

**Recommendation: Approve PAR for the revision of a standard until December 2023**

IEEE Power and Energy Society/Switchgear

**PC37.20.2**

Standard for Metal-Clad Switchgear

**Recommendation: Approve PAR for the revision of a standard until December 2023**

IEEE Power and Energy Society/Transmission and Distribution

**P539**

Standard Definitions of Terms Relating to Corona and Field Effects of Overhead Power Lines

**Recommendation: Approve PAR for the revision of a standard until December 2023**

**P1227**

Guide for the Measurement of DC Electric-Field Strength and Ion Related Quantities

**Recommendation: Approve PAR for the revision of a standard until December 2023**

**P1656**

Guide for Testing the Electrical, Mechanical, and Durability Performance of Wildlife Protective Devices on Overhead Power Distribution Systems Rated up to 38 kV

**Recommendation: Approve PAR for the revision of a standard until December 2023**

IEEE Power and Energy Society/Transformers

**PC57.169**

Guide for Determination of Maximum Winding Temperature Rise in Liquid-Immersed Transformers

**Recommendation: Approve PAR for the revision of a standard until December 2023**

IEEE Ultrasonics, Ferroelectrics and Frequency Control Society/IEEE Ultrasonics, Ferroelectrics and Frequency Control

**P1139**

Standard Definitions of Physical Quantities for Fundamental Frequency and Time Metrology - Random Instabilities

**Recommendation: Approve PAR for the revision of a standard until December 2023**

**4 OLD BUSINESS**

**4.1 The minutes of the 4 December 2018 NesCom meeting were approved during the 25 January 2019 NesCom teleconference.**

Lisa Weisser confirmed that the minutes of the 4 December 2018 NesCom meeting were approved during the 25 January 2019 NesCom teleconference.

**4.2 Update about Continuous Revision PAR Process Communication Plan**

Lisa Weisser updated NesCom about the need to inform Standards Committees about the recently approved process to create Continuous Revision PARs that will enable Working Groups to remain active with no lapse in standards development. This will be primarily a staff function after the request is made by the Standards Committee. Staff will get the word out through various channels, including training sessions, use of email reflectors, posting on key web pages, and through ongoing staff interaction. Any additional suggestions are welcome.

**AI: Lisa Weisser will send the [presentation](#) about the Continuous Revision PAR process to NesCom.**

### **4.3 Open Source Update**

Chair Stanley updated NesCom that as the SASB OSS Implementation ad hoc progresses, there will be impacts on the standing committees of the SASB, and this may lead to a NesCom ad hoc in the future.

### **4.4 Sponsor Terminology Changes**

Lisa Weisser provided an update about the progress of the terminology changes from 'Sponsor' to 'Standards Committee' and from 'Sponsor Ballot' to 'Standards Association Ballot'. There is a working list of locations on the IEEE-SA website that need to be updated, as well as presentations, and content owners have been informed that the goal is to have these updates completed by the end of May. It is understood that the terminology updates in the new myProject and the updated AudCom baselines will not be completed by May.

## **5 NEW BUSINESS**

### **5.1 myProject Updates**

Chair Stanley thanked NesCom members Alan Berkema, Ted Burse, and Jingyi Zhou for volunteering to participate in the SASB myProject Rollout ad hoc chaired by Annette Reilly. The first round of volunteer User Acceptance Testing is scheduled for mid-July or early August, and Annette will hold a kickoff meeting prior to that.

## **6 NEXT MEETING**

The next meeting of NesCom will take place on or close to 1 May 2019 by teleconference.

## **7 ADJOURNMENT**

There being no further business, the meeting was adjourned at 12:03 p.m.