

**IEEE SA Standards Board New Standards Committee (NesCom)**

**Meeting Minutes**

2 June 2020

9:00 a.m. ET

Teleconference

Members Present:

Ted Burse  
Ramy A. Fathy  
Guido Hiertz  
John Kulick  
Haiying Lu  
Chenhui Niu  
Dorothy Stanley, Chair  
Lei Wang  
Sha Wei  
Philip Winston  
Daidi Zhong

Members Absent:

Dong Liu  
Riccardo Mariani

Guests:

Sarbani Belur [part time]  
Wenting Chang [part time]  
Evelyn Chen  
Doug Edwards  
Brett Efaw [part time]  
Lixin Fan [part time]  
Jose Gontijo  
Latonia Gordon  
Simon Hicks  
Gary Hoffman  
David Law  
Beatrice Lema  
Joseph Levy  
Johnny Lin  
Kevin Lu  
Hiroshi Mano  
Achime Malick Ndiaye  
Paul Nikolich  
Glenn Parsons  
Robby Robson  
Jon Rosdahl

Ritu Srivastava [part time]  
Richard Tong [part time]  
Claire Topp [legal counsel]  
Tom Verdecchio [part time]  
Karl Weber  
Don Wright  
Yu Yuan  
Tianyu Zhang [part time]  
Jingyi Zhou

IEEE Staff:

Christy Bahn  
Adrien Barmaksiz  
Matt Ceglia  
Karen Evangelista  
Josh Gay  
Jonathan Goldberg  
Jodi Haasz  
Yvette Ho Sang  
Konstantinos Karachalios  
Soo Kim  
Michael Kipness  
Vanessa Lalitte  
Jiajia Liu  
Kelly Lorne  
Erin Morales  
Ashley Moran  
Adam Newman  
Mary Lynne Nielsen  
Christian Orlando  
Dave Ringle  
Pat Roder  
Anasthasie Sainvilus  
Jennifer Santulli  
Tom Thompson  
Lisa Weisser, Administrator  
Malia Zaman  
Meng Zhao

[Unless otherwise noted, all votes are unanimous]

## 1. CALL TO ORDER AND INTRODUCTIONS

Chair Stanley welcomed everyone and called the meeting to order at 9:06 a.m. due to a large number of participants dialing into the call. There was a round of introductions by all in attendance.

## 2. REVIEW AND APPROVAL OF THE AGENDA

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

**A motion was made (Burse) and seconded (Wang) to approve the 2 June 2020 NesCom meeting agenda, including all items on the consent agenda. The motion was unanimously approved.**

### 2.1 Consent Agenda

#### 2.1.1 Withdrawal Requests

**IEEE Communications Society/Edge, Fog, Cloud Communications with IOT and Big Data Standards Committee**

##### **P2557**

Standard for Ambient Genetics Frameworks  
**Recommendation: Approve PAR withdrawal**

##### **P2558**

Standard for Ambient Objects  
**Recommendation: Approve PAR withdrawal**

**IEEE Computer Society/Design Automation**

##### **P2415**

Standard for Unified Hardware Abstraction and Layer for Energy Proportional Electronic Systems  
**Recommendation: Approve PAR withdrawal**

**2.1.2 Standards Committee Change Request for Three C/SAB PARs to C/SMSC: P2671 'Standard for General Requirements of Online Detection Based on Machine Vision in Intelligent Manufacturing', P2672 'Guide for General Requirements of Mass Customization', and P2806 'System Architecture of Digital Representation for Physical Objects in Factory Environments'.**

*NB: The approval of this Standards Committee change request was included in the approval of the agenda and consent agenda. The three PARs, P2671, P2672, and P2806 have been moved from C/SAB to C/SMSC.*

**2.1.3 Standards Committee Change Request for P2418.7 'Standard for the Use of Blockchain in Supply Chain Finance' to Move from BOG/CAG to C/BDL.**

*NB: The approval of this Standards Committee change request was included in the approval of the agenda and consent agenda. The PAR P2418.7 has been moved from BOG/CAG to C/BDL.*

### 3 APPROVAL OF MINUTES FROM THE MARCH 2020 MEETING

A motion was made (Hiertz) and seconded (Kulick) to approve the minutes of the 4 March 2020 NesCom meeting. The motion was approved (8 approve, 0 disapprove, 1 abstain [Burse]).

### 4 PARS FOR DISCUSSION

#### 4.1 Modified PARs

##### IEEE Computer Society/LAN/MAN Standards Committee

###### P802.15.13

Standard for Multi-Gigabit per Second Optical Wireless Communications (OWC), with Ranges up to 200 meters, for both stationary and mobile devices

**Recommendation: Approve modified PAR**

##### IEEE Computer Society/Learning Technology

###### P7004

Standard for Child and Student Data Governance

**Recommendation: Approve modified PAR**

##### IEEE Power and Energy Society/Substations

###### P837

Standard for Qualifying Permanent Connections Used in Substation Grounding

**Recommendation: Approve modified PAR**

##### IEEE-SASB Coordinating Committees/SCC21 – Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage

###### P1562

Recommended Practice for Sizing of Stand-Alone Photovoltaic (PV) Systems

**Recommendation: Approve modified PAR**

#### 4.2 Extension Requests

##### IEEE Computer Society/LAN/MAN Standards Committee

###### P802.15.12

Upper Layer Interface (ULI) for IEEE 802.15.4 Low-Rate Wireless Networks

**Recommendation: Approve request for an extension until December 2022**

###### P802.1CQ

Standard for Local and Metropolitan Area Networks: Multicast and Local Address Assignment

**Recommendation: Approve request for an extension until December 2022**

##### IEEE Power and Energy Society/Analytic Methods for Power Systems

**P762**

Standard Definitions for Use in Reporting Electric Generating Unit Reliability, Availability, and Productivity

**Recommendation: Approve request for an extension until December 2022**

IEEE Power and Energy Society/Electric Machinery

**P1665**

Guide for the Rewind of Synchronous Generators, 50 Hz and 60 Hz, Rated 1 MVA and Above

**Recommendation: Approve request for an extension until December 2022**

**P522**

Guide for Testing Turn Insulation of Form-Wound Stator Coils for Alternating-Current Electric Machines

**Recommendation: Approve request for an extension until December 2022**

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 request for an extension until December 2022**

IEEE Power and Energy Society/Transformers

**PC57.12.34**

Standard Requirements for Pad-Mounted, Compartmental-Type, Self-Cooled, Three-Phase Distribution Transformers, 10 MVA and Smaller; High-Voltage, 34.5 kV Nominal System Voltage and Below; Low-Voltage, 15 kV Nominal System Voltage and Below

**Recommendation: Approve request for an extension until December 2022**

**PC57.19.02**

Standard for the Design and Performance Requirements of Bushings Applied to Liquid Immersed Distribution Transformers

**Recommendation: Approve request for an extension until December 2022**

IEEE Power and Energy Society/Transmission and Distribution

**P2030.10**

Standard for DC Microgrids for Rural and Remote Electricity Access Applications

**Recommendation: Approve request for an extension until December 2021**

**4.3 New PARs**

IEEE Communications Society/Access and Core Networks Standards Committee

**P1904.4**

Standard for Service Interoperability in 25 Gb/s and 50 Gb/s Ethernet Passive Optical Networks

**Recommendation: Approve new PAR until December 2024**

**P1941.1**

Recommended Practice for Internet Grades of Service in Rural Areas

**Recommendation: Approve new PAR until December 2024**

**IEEE Communications Society/Power Line Communications****P2893**

Standard for Flexible Optical Service Unit (OSUFlex) of Optical Transport Network (OTN) in Power Systems

**Recommendation: Approve new PAR until December 2024**

**IEEE Computer Society/Blockchain and Distributed Ledgers****P3212**

Standard for Blockchain System Governance Specification

**Recommendation: Approve new PAR until December 2024**

**IEEE Computer Society/Cybersecurity and Privacy Standards Committee****P2883**

Standard for Sanitizing Storage

**Recommendation: Approve new PAR until December 2024**

**P2887**

Recommended Practice for Zero Trust Security

**Recommendation: Approve new PAR until December 2024**

**IEEE Computer Society/LAN/MAN Standards Committee****P802.1ASdm**

Standard for Local and Metropolitan Area Networks – Timing and Synchronization for Time-Sensitive Applications Amendment: Hot Standby

**Recommendation: Approve new PAR until December 2024**

**P802.3cy**

Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for greater than 10 Gb/s Electrical Automotive Ethernet

**Recommendation: Approve new PAR until December 2024**

**P802.3cz**

Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for Multi-Gigabit Optical Automotive Ethernet

**Recommendation: Approve new PAR until December 2024**

**P802.3da**

Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for Enhancement of 10 Mb/s Operation over Single Balanced Pair Multidrop Segments

**Recommendation: Approve new PAR until December 2024**

**P802.3db**

Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for 100 Gb/s, 200 Gb/s, and 400 Gb/s Operation over Optical Fiber using 100 Gb/s Signaling

**Recommendation: Approve new PAR until December 2024**

**IEEE Computer Society/Learning Technology****P2894**

Guide for an Architectural Framework for Explainable Artificial Intelligence

**Recommendation: Approve new PAR until December 2024**

**P7004.1**

Recommended Practices for Virtual Classroom Security, Privacy and Data Governance

**Recommendation: Approve new PAR until December 2024 (8 approve, 0 disapprove, 1 abstain [Winston])**

IEEE Computer Society/Microprocessor Standards Committee

**P1722b**

Standard for a Transport Protocol for Time-Sensitive Applications in Bridged Local Area Networks – Amendment: New and Extended Streaming Formats

**Recommendation: Approve new PAR until December 2024**

IEEE Computer Society/Smart Manufacturing Standards Committee

**P2879**

General Principles for Assessment of a Smart Factory

**Recommendation: Approve new PAR until December 2024**

IEEE Consumer Electronics Society/Blockchain Standards Committee

**P2677.1**

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Overarching Framework

**Recommendation: Approve new PAR until December 2024**

**P2677.10**

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Access to Personal Data

**Recommendation: Approve new PAR until December 2024 (8 approve, 0 disapprove, 1 abstain [Fathy])**

**P2677.11**

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Access to Telecommunications Data

**Recommendation: Approve new PAR until December 2024 (7 approve, 0 disapprove, 2 abstain [Fathy, Hiertz])**

**P2677.12**

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Access to Transportation Data

**Recommendation: Approve new PAR until December 2024 (7 approve, 0 disapprove, 2 abstain [Fathy, Hiertz])**

**P2677.20**

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Requirements for Blockchain Infrastructure

**Recommendation: Approve new PAR until December 2024**

**P2677.21**

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Requirements for Peer-to-Peer Storage Infrastructure

**Recommendation: Approve new PAR until December 2024**

**P2677.22**

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Requirements for Grid Computing Infrastructure

**Recommendation: Approve new PAR until December 2024 (8 approve, 0 disapprove, 1 abstain [Hiertz])**

**P2677.30**

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Personal Application Programming Interface

**Recommendation: Approve new PAR until December 2024 (7 approve, 0 disapprove, 2 abstain [Fathy, Hiertz])**

**P2677.31**

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Healthcare Application Programming Interface

**Recommendation: Approve new PAR until December 2024**

**P2677.32**

Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Government Application Programming Interface

**Recommendation: Approve new PAR until December 2024**

IEEE Consumer Electronics Society/Digital Finance and Economy Standards Committee

**P3800**

Standard for a Data-Trading System: Overview, Terminology and Reference Model

**Recommendation: Approve new PAR until December 2024**

**P3801**

Standard for Blockchain-based Electronic Contracts

**Recommendation: Approve new PAR until December 2024**

**P3802**

Standard for Application Technical Specification of Blockchain-based E-Commerce Transaction Evidence Collecting

**Recommendation: Approve new PAR until December 2024**

**P3803**

Standard for Household Appliance Customer Data Assetization and Commercialization Requirements

**Recommendation: Approve new PAR until December 2024**

**P3806**

Standard for Blockchain-based Hepatobiliary Disease Data Extraction and Exchange

**Recommendation: Approve new PAR until December 2024**

IEEE Consumer Electronics Society/Standards Committee

**P2861.1**

Standard for Troubleshooting Touch Operation Issues for Mobile Gaming

**Recommendation: Approve new PAR until December 2024**

**P2884**

Standard for Performance Evaluation of Biometric Information: Facial Recognition

**Recommendation: Approve new PAR until December 2024**

**P2886**

Standard for General Requirements for Smart Residential Water Systems

**Recommendation: Approve new PAR until December 2024****P2891**

Standard for Performance Evaluation of Biometric Information: Fingerprint Recognition

**Recommendation: Approve new PAR until December 2024**

**P2896**

Standard for Open Data: Open Data Ontology

**Recommendation: Conditionally approve new PAR until December 2024; based on the change of "guide" to "standard" (8 approve, 2 disapprove [Burse, Winston])**

*NB: The condition has been met.*

**P2898.1**

Standard for General Requirements of Evaluating Intelligent Performance of Household and Similar Electrical Appliances

**Recommendation: Approve new PAR until December 2024**

**P2898.2**

Standard for Requirements of Evaluating Intelligent Performance of Air Conditioners

**Recommendation: Approve new PAR until December 2024**

**P2898.3**

Standard for Requirements of Evaluating Intelligent Performance of Refrigeration Appliances

**Recommendation: Approve new PAR until December 2024**

**IEEE Engineering in Medicine and Biology Society/IEEE 11073 Standards Committee****P11073-10206**

Health informatics – Device interoperability – Part 10206: Personal health device communication – Abstract information content model

**Recommendation: Approve new PAR until December 2024 (9 approve, 0 disapprove, 1 recuse [Zhong])**

**IEEE Power and Energy Society/Power System Communications and Cybersecurity****P487.3a**

Standard for the Electrical Protection of Communication Facilities Serving Electric Supply Locations Through the Use of Hybrid Facilities Amendment: Inclusion of a New Copper to Fiber Junction (CFJ) Powering Option

**Recommendation: Approve new PAR until December 2024**

**P487a**

Standard for the Electrical Protection of Communications Facilities Serving Electric Supply Locations – General Considerations Amendment: New Annex J – Guidance for Determining the Ground Potential Rise and Induced Voltages for the Design of Communications Installations at Electric Supply Locations

**Recommendation: Approve new PAR until December 2024**

**IEEE Power and Energy Society/Substations****P693a**

Recommended Practice for Seismic Design of Substations Amendment: Alterations of Transformers, Transformer Bushings and Time Histories

**Recommendation: Approve new PAR until December 2024**



**IEEE Power and Energy Society/Transmission and Distribution****P1882**

Guide for Establishing, Benchmarking and Maintaining a Work Program for Energized Transmission Lines

**Recommendation: Approve new PAR until December 2024**

**P2856**

Guide for the Definition of Resiliency and Measuring the Resiliency of the Electrical Distribution System

**Recommendation: Approve new PAR until December 2024**

**P2892**

Recommended Practice for Medium Voltage (1.5 kV to 35 kV) Direct Current (DC) Transformers

**Recommendation: Approve new PAR until December 2024**

**IEEE Society on Social Implications of Technology/Social Implications of Technology Standards Committee****P2890**

Recommended Practice for Provenance of Indigenous Peoples' Data

**Recommendation: Approve new PAR until December 2024**

**P2895**

Standard Taxonomy for Responsible Trading of Human-Generated Data

**Recommendation: Approve new PAR until December 2024**

**IEEE-SASB Coordinating Committees/SCC39 – International Committee on Electromagnetic Safety****P2889**

Guide on the Definition of Incident Power Density to Correlate Surface Temperature Elevation

**Recommendation: Approve new PAR until December 2024**

**PC95.1-2019/Cor 2**

Standard for Safety Levels with Respect to Human Exposure to Electric, Magnetic, and Electromagnetic Fields, 0 Hz to 300 GHz – Corrigendum 2:PC95.1-2019\_Cor2

**Recommendation: Approve new PAR until December 2024**

**4.4 PARs for the Revision of Standards****IEEE Aerospace and Electronic Systems Society/Gyro Accelerometer Panel****P1431**

Standard for Specifying and Testing Coriolis Vibratory Gyros

**Recommendation: Approve PAR for the revision of a standard until December 2024**

**IEEE Computer Society/LAN/MAN Standards Committee****P802.1Q**

Standard for Local and Metropolitan Area Networks – Bridges and Bridged Networks

**Recommendation: Approve PAR for the revision of a standard until December 2024**

**IEEE Computer Society/Learning Technology**

**P1484.11.1**

Standard for Learning Technology – Data Model for Content Object Communication

**Recommendation: Approve PAR for the revision of a standard until December 2024**

IEEE Power and Energy Society/Power System Communications and Cybersecurity

**P1138**

Standard for Testing and Performance for Optical Ground Wire (OPGW) for Use on Electric Utility Power Lines

**Recommendation: Approve PAR for the revision of a standard until December 2024**

**P820**

Standard Telephone Loop Performance Characteristics

**Recommendation: Approve PAR for the revision of a standard until December 2024**

IEEE Power and Energy Society/Substations

**P1527**

Recommended Practice for Seismic Design of Substation Buswork

**Recommendation: Approve PAR for the revision of a standard until December 2024**

IEEE Vehicular Technology Society/Intelligent Transportation Systems

**P1609.11**

Standard for Wireless Access in Vehicular Environments (WAVE) – Over-the-Air Electronic Payment Data Exchange Protocol for Intelligent Transportation Systems (ITS)

**Recommendation: Approve PAR for the revision of a standard until December 2024**

**P1616**

Standard for Motor Vehicle Event Data Recorder (MVEDR)

**Recommendation: Approve PAR for the revision of a standard until December 2024**

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

**PC95.7**

Recommended Practice for Radio Frequency Safety Programs, 0 Hz to 300 GHz

**Recommendation: Approve PAR for the revision of a standard until December 2024**

During the PAR submittal review portion of the agenda, several topics brought up by NesCom members were discussed, including:

- Overlap of content within a series of PARs and between new PARs and existing work - whose responsibility is it to ensure there is no conflicting information and/or whether there is a need to work in cooperation?
- Quality of content of PARs - more guidance may be needed to ensure the PARs are clear and distinct.
- Types of standards - more clarification may be needed to distinguish between a standard, a guide, and a recommended practice.

**5 OLD BUSINESS****5.1 Discussion – Recommendation from the Ad Hoc on Review Period Comment Timeframes**

Due to time constraints, Chair Stanley deferred the discussion of the recommendation from the ad hoc until the next NesCom meeting. She mentioned that if any NesCom members have comments about the recommendations that were discussed during the April NesCom meeting they could send them by email.

## **6 NEW BUSINESS**

### **6.1. Committee Member Interactions/Comments Re: myProject**

This discussion was also deferred due to lack of time.

### **6.2. Update on Globalization of the SASB Ad Hoc - Chair Stanley**

Chair Stanley described the recommendations from the Globalization of the SASB ad hoc, which include modifications the NesCom structure, including adding more members to enable NesCom membership from each of the IEEE regions, and to incorporate two vice chairs. The changes are described in the ProCom change form that Chair Stanley will share with NesCom.

### **6.3. Teleconference Dates for 2021**

Lisa Weisser showed recommended dates for NesCom teleconferences for 2021. The actual dates will get determined by a poll, but these dates will go on the Governance calendar on the website so the submittal deadlines can also be posted. Chair Stanley reminded the NesCom members that the January 2021 meeting would still be a meeting of the current (2020) NesCom members.

## **7 DATE OF NEXT MEETING**

The next meeting of NesCom will take place on 21 September by teleconference.

## **8 ADJOURNMENT**

Chair Stanley expressed her appreciation to the NesCom members for their reviews and to Lisa Weisser for her tireless work editing the PARs. She encouraged everyone, including herself to try to get comments in earlier. She also acknowledged the Standards Committee and Working Group Chairs and wished them good luck as they develop the standards. There being no further business, the meeting was adjourned at 12:15 p.m.