

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

**Meeting Minutes**

27 April 2022

9:00 a.m. - 11:00 a.m. ET (UTC-4)

Teleconference

Members Present:

Xiaofeng (Alfred) Chen

Doug Edwards

Ramy A. Fathy, Vice Chair

Guido Hiertz

Wei Hong

Howard Li

Johnny Lin

Gui Liu

Annette Reilly

Dorothy Stanley, Chair

Mehmet Ulema

Lei Wang

Karl Weber

Sha Wei, Vice Chair

Don Wright

Daidi Zhong

Members Absent:

Yousef Kimiagar

Daleep Mohla

Guests:

Jithendar Anandan

Jens Boemer

Xiujian Chen

Jean-Philippe Faure

Sasikumar Ganesan

Bin Han

David Law

Kevin Lu

Ramesh Narayanan

Paul Nikolich

Glenn Parsons

Mark Siira

Claire Topp [legal counsel]

Xianyong Xu

Yu Yuan

Bin Zheng

Jian Zuo  
Yuanjun Zuo

IEEE Staff:

Christy Bahn  
Matt Ceglia  
Sri Chandrasekaran  
Karen Evangelista  
Jonathan Goldberg  
Jodi Haasz  
Yvette Ho Sang  
Ron Hotchkiss  
Konstantinos Karachalios  
Soo Kim  
Michael Kipness  
Vanessa Lalitte  
Jiajia Liu  
Kelly Lorne  
Erin Morales  
Christian Orlando  
Dave Ringle  
Pat Roder  
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 9:01 a.m. ET (UTC-4). 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 to the agenda. There were none.

**A motion was made (Fathy) and seconded (Hong) to approve the 27 April 2022 NesCom meeting agenda, including the consent agenda. In the absence of objection, the motion was approved.**

### **2.1 Consent Agenda**

#### **2.1.1 Withdrawal Requests**

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

**P802.15.6a**

Standard for Local and Metropolitan Area Networks - Part 15.6: Wireless Body Area Networks  
Amendment: Dependable Human and Vehicle Body Area Networks

**Recommendation:** Approve PAR withdrawal

**P802.15.12**

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

**Recommendation:** Approve PAR withdrawal

**3 PARS FOR DISCUSSION****3.1 Modified PARs****IEEE Communications Society/Virtualized and Software Defined Networks, and Services Standards Committee****P1930.1**

Recommended Practice for Software Defined Networking (SDN) based Middleware for Control and Management of Wireless Networks

**Recommendation:** Approve modified PAR

**IEEE Computer Society/LAN/MAN Standards Committee****P802.3cz**

Standard for Ethernet

Amendment: Physical Layer Specifications and Management Parameters for Multi-gigabit Optical Ethernet Using Graded-index Glass Optical Fiber for Application in the Automotive Environment

**Recommendation:** Approve modified PAR

**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 - Part 1: Measuring techniques

**Recommendation:** Approve modified PAR

**IEEE Vehicular Technology Society/High Speed Train and Maglev Standards Committee****P2965**

Railway applications - Electromagnetic compatibility - Immunity test of rolling stock on completion of construction and before entry into service

**Recommendation:** Approve modified PAR (13 approve, 0 disapprove, 1 abstain)

**IEEE-SASB Coordinating Committees/SCC39 - International Committee on Electromagnetic Safety****PC95.7**

Standard for Electromagnetic Energy Safety Programs, 0 Hz to 300 GHz

**Recommendation:** Approve modified PAR

**3.2 Extension Requests****IEEE Power and Energy Society/Substations****P979**

Guide for Substation Fire Protection

**Recommendation:** Approve request for an extension until December 2024

### 3.3 New PARs

#### IEEE Communications Society/Power Line Communications

##### P1901c

Standard for Broadband over Power Line Networks: Medium Access Control and Physical Layer Specifications Amendment 3: Enhanced Flexible Channel Wavelet (FCW) physical and media access control layers for use on any media

**Recommendation:** Approve new PAR until December 2026

#### IEEE Communications Society/Virtualized and Software Defined Networks, and Services Standards Committee

##### P1943

Standard for Post-Quantum Network Security

**Recommendation:** Defer new PAR until the next NesCom meeting to allow time for the COM/NetSoft-SC Chair to contact the IEEE 802.1 Working Group Chair to discuss potential improvements to the wording of the explanation in section 7.1 on the PAR. (8 approve, 2 disapprove, 5 abstain)

#### IEEE Computer Society/Artificial Intelligence Standards Committee

##### P3168

Standard for Robustness Evaluation Test Methods for a Natural Language Processing Service that uses Machine Learning

**Recommendation:** Approve new PAR until December 2026

#### IEEE Computer Society/Blockchain and Distributed Ledgers

##### P3221

Standard for Technical Requirements of Digital Collection Services Based on Blockchain Technologies

**Recommendation:** Approve new PAR until December 2026

#### IEEE Computer Society/Cybersecurity and Privacy Standards Committee

##### P3167

Standard for Secure Biometrics Device Interface

**Recommendation:** Approve new PAR until December 2026

##### P3172

Recommended Practice for Post-Quantum Cryptography Migration

**Recommendation:** Approve new PAR until December 2026

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

##### P802.1Qdt

Standard for Local and Metropolitan Area Networks - Bridges and Bridged Networks Amendment: Priority-based Flow Control Enhancements

**Recommendation:** Approve new PAR until December 2026

##### P802.3dh

Standard for Ethernet

Amendment: Physical Layer Specifications and Management Parameters for Multi-gigabit Optical Ethernet Using Graded-index Plastic Optical Fiber for Application in the Automotive Environment

**Recommendation:** Approve new PAR until December 2026

**IEEE Computer Society/Standards Activities Board****P2807.7**

Guide for Open Domain Knowledge Graph Publishing and Crowdsourcing Service

**Recommendation:** Approve new PAR until December 2026

**P2807.8**

Standard for Knowledge Exchange Protocol with Knowledge Fusion Among Knowledge Graphs

**Recommendation:** Approve new PAR until December 2026

**IEEE Power and Energy Society/Energy Storage & Stationary Battery Committee****P3163**

Recommended Practice for Sizing Lithium Batteries for Stationary Applications

**Recommendation:** Approve new PAR until December 2026

**IEEE Power and Energy Society/Surge Protective Devices/High Voltage****P3170**

Recommended Practice for Controllable Metal Oxide Arrester of 1000 kilovolt (kV) Ultra High Voltage (UHV) Alternating Current (AC) System

**Recommendation:** Conditionally approve new PAR until December 2026; contingent upon replacing "1000 kilovolt (kV)" or "1000 kV" with 1 MV throughout the PAR. (10 approve, 0 disapprove, 5 abstain)

Note: The condition has been met.

**IEEE Power and Energy Society/Transmission and Distribution****P516-2021/Cor 1.1**

Guide for Maintenance Methods on Energized Power Lines - Corrigendum 1.1

**Recommendation:** Approve new PAR until December 2026

**IEEE SA Board of Governors/Corporate Advisory Group****P2413.3**

Guide for Hydropower Energy Internet of Things

**Recommendation:** Approve new PAR until December 2026 (14 approve, 0 disapprove, 1 abstain [Hiertz])

**P3169**

Standard for Security Requirement of Privacy-preserving Computation

**Recommendation:** Approve new PAR until December 2026

**P3301**

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI)D Technical Specification Artificial Intelligence Framework (AIF) Version 1

**Recommendation: Approve new PAR until December 2026**

**P3302**

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Context-based Audio Enhancement (CAE) Version 1.2

**Recommendation:** Approve new PAR until December 2026

### IEEE Systems, Man, and Cybernetics Society/Standards Committee

#### P3166

Standard for Smart Cities Terminology

**Recommendation: Approve new PAR until December 2026 (8 approve, 7 disapprove, 1 abstain)**

### IEEE Vehicular Technology Society/Intelligent Transportation Systems

#### P1616.1

Standard for Data Storage System for Automated Driving (EDR/DSSAD)

**Recommendation: Approve new PAR until December 2026**

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

#### P1547.10

Recommended Practice for Distributed Energy Resources (DER) Gateway Platforms

**Recommendation: Approve new PAR until December 2026**

### 3.4 PARs for the Revision of Standards

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

#### P802.15.6

Standard for Local and Metropolitan Area Networks - Part 15.6: Wireless Body Area Networks

**Recommendation: Approve PAR for the revision of a standard until December 2026**

### IEEE Computer Society/Software & Systems Engineering Standards Committee

#### P24748-1

International Standard - Systems and Software Engineering - Life Cycle Management - Part 1: Guidelines for Life Cycle Management

**Recommendation: Approve PAR for the revision of a standard until December 2026**

### IEEE Power and Energy Society/Transformers

#### PC57.12.00

Standard for General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers

**Recommendation: Approve PAR for the revision of a standard until December 2026**

#### PC57.12.90

Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers

**Recommendation: Approve PAR for the revision of a standard until December 2026**

### IEEE Power and Energy Society/Transmission and Distribution

#### P524

Guide for the Installation of Overhead Transmission Line Conductors

**Recommendation: Approve PAR for the revision of a standard until December 2026**

#### **4 OLD BUSINESS**

##### **4.1 Committee Member Interactions/Comments Re: myProject**

Chair Stanley mentioned that there have been a number of improvements to myProject and that the details can be seen in the release notes in the myProject support portal.

Note: Committee member interactions re: myProject is a standing agenda item and if anyone has any feedback about their user experience with myProject, please let Lisa Weisser know.

#### **5 NEW BUSINESS**

There was no new business.

#### **6 DATE OF NEXT MEETING**

The next meeting of NesCom was 15 June 2022 in Toronto, Canada and by teleconference.

#### **7 ADJOURNMENT**

Chair Stanley thanked everyone. There being no further business, the meeting was adjourned at 10:46 a.m. ET (UTC-4).