

IEEE SA Standards Board New Standards Committee (NesCom)

Unapproved 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).