

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

**Meeting Minutes**

07 February 2022

10:00 a.m. - 12:00 p.m. ET (UTC-5)

Teleconference

Members Present:

Doug Edwards

Ramy A. Fathy, Vice Chair

Guido Hiertz

Wei Hong

Daleep Mohla

Chenhui Niu

Annette Reilly

Dorothy Stanley, Chair

Mehmet Ulema

Lei Wang

Karl Weber

Sha Wei, Vice Chair

Don Wright

Daidi Zhong

Members Absent:

None

Guests:

Jonathan Attia

Liang Cai

Xiaofeng Chen

Terrill Frantz

Latonia Gordon

Gary Hoffman

Victor Huang

Tyler Jaynes

Yousef Kimiagar

David Law

Gui Liu

Xiaohui Liu

Lisa Loud [part time]

Carol McDonald

Yekun Men [part time]

Keith Moore

Glenn Parsons [part time]

Angie Qarry

Robby Robson

Claire Topp [legal counsel]  
Jack Weast [part time]  
Yu Yuan  
Ren Zhigang [part time]

IEEE Staff:

Christy Bahn  
Adrien Bastos  
Kim Breitfelder  
Matt Ceglia  
Sri Chandrasekaran  
Karen Evangelista  
Jonathan Goldberg  
Yvette Ho Sang  
Konstantinos Karachalios  
Soo Kim  
Michael Kipness  
Vanessa Lalitte  
Kristin Little  
Jijia Liu  
Kelly Lorne  
Erin Morales  
Ashley Moran  
Adam Newman  
Christian Orlando  
Dave Ringle  
Pat Roder  
Jennifer Santulli  
Rudi Schubert  
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 10:00 a.m. ET (UTC-5). 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 (Hiertz) and seconded (Mohla) to approve the 07 February 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 Engineering in Medicine and Biology Society/IEEE 11073 Standards Committee

#### **P11073-10103a**

Health Informatics - Device Interoperability - Part 10103: Implantable Device Communication - Nomenclature - Implantable Device, Cardiac - Amendment 1: Additional definitions

**Recommendation: Approve PAR withdrawal**

#### **P11073-20601a**

Health Informatics - Personal Health Device Communication - Part 20601: Application Profile - Optimized Exchange Protocol Amendment

**Recommendation: Approve PAR withdrawal**

## 3 Approval of Minutes from the 27 October and 07 December 2021 NesCom Meetings

A motion was made (Weber) and seconded (Wang) to approve the minutes of the 27 October 2021 NesCom meeting. In the absence of objection, the motion was approved.

A motion was made (Hong) and seconded (Wright) to approve the minutes of the 07 December 2021 NesCom meeting. In the absence of objection, the motion was approved.

## 4 PARS FOR DISCUSSION

### 4.1 Modified PARs

IEEE Computer Society/LAN/MAN Standards Committee

#### **P802.11bb**

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: Light Communications

**Recommendation: Approve modified PAR**

IEEE Computer Society/Software & Systems Engineering Standards Committee

#### **P26531**

Systems and Software Engineering - Content Management for Product Life Cycle, User, and Service Management Information for Users

**Recommendation: Approve modified PAR**

IEEE Consumer Technology Society/Emerging Technology Standards Committee

#### **P3141**

Standard for 3D Body Processing

**Recommendation: Approve modified PAR**

IEEE Power and Energy Society/Insulated Conductors

## P82

Recommended Practice for Impulse Voltage Tests on Insulated Cables and Their Accessories

**Recommendation: Approve modified PAR**

IEEE Power and Energy Society/Power System Relaying and Control

**PC37.92**

Standard for Low-Energy Analog Interfaces between Protective Relays and Power System Signal Sources

**Recommendation: Approve modified PAR**

IEEE Power and Energy Society/Substations

**P693a**

Recommended Practice for Seismic Design of Substations

Amendment: Alterations of Transformers and Select Appendages, Surge Arresters, Response Spectra, Time Histories, and Their Qualification Methodologies

**Recommendation: Approve modified PAR**

IEEE Power and Energy Society/Transformers

**PC57.12.52**

Standard for Sealed Dry-Type Distribution and Power Transformers

**Recommendation: Approve modified PAR**

IEEE Sensors Council/Standards Committee

**P2520**

Guide for Testing Machine Olfaction Devices and Systems

**Recommendation: Approve modified PAR**

IEEE Vehicular Technology Society/Intelligent Transportation Systems

**P2846**

Standard for Assumptions in Safety-Related Models for Automated Driving Systems

**Recommendation: Approve modified PAR (9 approve, 1 disapprove [Edwards], 1 abstain [Ulema])**

**4.2 Extension Requests**

IEEE Consumer Technology Society/Blockchain Standards Committee

**P2418.1**

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

**Recommendation: Approve request for an extension until December 2023**

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

**P2770**

60099-11 Surge Arresters - Part 11: Metal-Oxide Line Surge Arresters to Protect Power Line Insulation

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

**4.3 New PARs**

IEEE Computer Society/Artificial Intelligence Standards Committee

**P3142**

Recommended Practice on Distributed Training and Inference for Large-Scale Deep Learning Models

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

**P3152**

Standard for the Description of the Natural or Artificial Character of Intelligent Communicators

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

**P3156**

Standard for Requirements of Privacy-Preserving Computation Integrated Platforms

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

**IEEE Computer Society/Blockchain and Distributed Ledgers****P3222**

Standard for the Reference Architecture of Blockchain as a Service Platform

**Recommendation: Defer new PAR until the next NesCom meeting to allow time for continued discussion and clarification of the PAR (10 approve, 0 disapprove, 1 abstain [Wright]).**

**P3223**

Standard for the Reference Architecture of Blockchain Fusion Server

**Recommendation: Defer new PAR until the next NesCom meeting to allow time for continued discussion and clarification of the PAR (5 approve, 2 disapprove [Ulema, Wright], 3 abstain [Wang, Wei, Zhong]).**

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

Standard for Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications

Amendment: Support for the IEEE Std 802.3 Clause 4 Media Access Control (MAC) operating in half-duplex

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

**P802.11-2020/Cor 1**

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 - Corrigendum 1 - Correct IEEE 802.11ay Assignment of Protected Announce Support bit

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

**IEEE Computer Society/Smart Manufacturing Standards Committee****P3144**

Standard for Digital Twin Maturity Model and Assessment Methodology in Industry

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

**P3145**

Standard for General Technical Requirement of Auxiliary Warehouse in Smart Factory

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

**P3147**

Recommended Practice for Variant Design of Electronics Production Line

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

IEEE Computer Society/Standards Activities Board

**P2807.5**

Guide for Medical Clinical Diagnosis and Treatment Oriented Knowledge Graphs

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

**P3079.2.1**

Standard for a Basic Framework for Motion Training Systems

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

**P3154**

Recommended Practice for the Application of Knowledge Graphs for Talent Services

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

IEEE Engineering in Medicine and Biology Society/Standards Committee

**P3151**

Standard for Spray-On Surface Antimicrobial Coatings Test Methodology

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

IEEE Industry Applications Society/Petroleum & Chemical Industry

**P80005-1b**

International Standard - Utility Connections in Port - Part 1: High Voltage Shore Connection (HVSC) Systems - General Requirements

Amendment: Annex G Additional Requirements for Vehicle Carriers

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

IEEE Nanotechnology Council/Standards Committee

**P3155**

Standard for Programmable Quantum Simulator

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

IEEE Power and Energy Society/Electric Machinery

**P3149**

Trial Use Guide for Dissection Techniques of Form Wound Stator Coils and Bars

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

IEEE Power and Energy Society/Insulated Conductors

**P3148**

Guide for Field Detection of Metallic Sheath Current of Single-Conductor Shielded and Cross-Linked Polyethylene (XLPE) Insulated Alternating Current (AC) Cable

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

**P3150**

Guide for Testing the Semi-Conductive Water Blocking Tape in Cross-Linked Polyethylene Insulated Alternating-Current Power Cables

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

IEEE Power and Energy Society/Transformers

**P1276a**

Guide for the Application of High-Temperature Insulation Materials in Liquid-Immersed Distribution, Power, and Regulating Transformers

Amendment: Updates to Annex B and corresponding references in Annex D

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

**PC57.12.53**

Guide for Mitigating Corrosion on Subsurface Transformers and Network Protectors

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

IEEE Robotics and Automation Society/Standing Committee for Standards

**P3140**

Standard for Semantic Maps for Autonomous Robots

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

IEEE SA Board of Governors/Strategic and Emerging Standards Committee

**P3400**

Standard for Use of Inclusive Language in Technical Terminology and Communications

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

**4.4 PARs for the Revision of Standards**

IEEE Aerospace and Electronic Systems Society/Radar Systems Panel

**P686**

Standard for Radar Definitions

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

IEEE Computer Society/Software & Systems Engineering Standards Committee

**P730**

Standard for Software Quality Assurance Processes

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

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

**P11073-10103**

Health Informatics - Point-of-care Medical Device Communication Part 10103: Nomenclature - Implantable Device, Cardiac

**Recommendation: Approve PAR for the revision of a standard until December 2026 (9 approve, 0 disapprove, 0 abstain, 1 recuse)**

**P11073-10427**

Health Informatics - Device Interoperability - Part 10427: Personal Health Device Communication - Device Specialization - Power Status Monitor of Personal Health Devices

**Recommendation: Approve PAR for the revision of a standard until December 2026 (9 approve, 0 disapprove, 0 abstain, 1 recuse)**

**P11073-20601**

Health Informatics - Device Interoperability - Part 20601: Personal Health Device Communication - Application Profile - Optimized Exchange Protocol

**Recommendation: Approve PAR for the revision of a standard until December 2026 (9 approve, 0 disapprove, 0 abstain, 1 recuse)**

IEEE Industry Applications Society/Industrial & Commercial Power Systems Standards Development Committee

**P3004.8**

Recommended Practice for Motor Protection in Industrial and Commercial Power Systems

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

IEEE Power and Energy Society/Electric Machinery

**P1310**

Recommended Practice for Thermal Cycle Testing of Form-Wound Stator Bars and Coils for Large Rotating Machines

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

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

**PC62.11**

Standard for Metal-Oxide Surge Arresters for AC Power Circuits (>1 kV)

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

IEEE Power and Energy Society/Switchgear

**PC37.14**

Standard for DC (3200 V and below) Power Circuit Breakers Used in Enclosures

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

IEEE Power and Energy Society/Transformers

**PC57.12.01**

Standard for General Requirements for Dry-Type Distribution and Power Transformers

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

**PC57.12.91**

Standard Test Code for Dry-Type Distribution and Power Transformers

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

**PC57.94**

Recommended Practice for Installation, Application, Operation, and Maintenance of Dry-Type Distribution and Power Transformers

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

IEEE-SASB Coordinating Committees/SCC14 - Quantities, Units, and Letter Symbols

**P260.3**



American National Standard Mathematical Signs and Symbols for Use in Physical Sciences and Technology

**Recommendation: Approve PAR for the revision of a standard until December 2026 (9 approve, 0 disapprove, 1 abstain [Edwards])**

## **5 OLD BUSINESS**

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

There was no discussion about myProject because the NesCom meeting reached its scheduled end time.

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

## **6 NEW BUSINESS**

There was no new business.

## **7 DATE OF NEXT MEETING**

The next meeting of NesCom will take place on 23 March 2022 by teleconference.

## **8 ADJOURNMENT**

Chair Stanley thanked the 2021 NesCom members, acknowledging the work they put in, with a special thanks to Vice Chair Fathy and Vice Chair Wei. She also welcomed the 2022 NesCom members. Chair Stanley thanked staff, and especially Lisa Weisser for her work on the PARs and tracking progress. Chair Stanley thanked the Standards Committee and Working Group representatives and wished them success in their work developing the standards.

Annette Reilly thanked Chair Stanley and Vice Chair Fathy and Vice Chair Wei for the effective way the meetings were conducted.

Both Vice Chairs thanked the NesCom members, and Vice Chair Wei wished everyone a Happy Year of the Tiger.

There being no further business, the meeting was adjourned at 11:59 a.m. ET (UTC-5).