IEEE SA STANDARDS ASSOCIATION

IEEE SA STANDARDS BOARD NEW STANDARDS COMMITTEE (NesCom)
DRAFT MEETING MINUTES
28 June 2023
Brussels, Belgium and Teleconference/Webex
9:00 a.m. – 12:00 p.m. CEST (UTC+2)

Attendees

Members Present:
Sara Biyabani
Xiaofeng Chen
Doug Edwards
Guido Hiertz, Vice Chair
Wei Hong
Howard Li
Johnny Lin, Vice Chair
Daleep Mohla
Andrew Myles
Annette Reilly
Lei Wang, Chair

Members Absent:
Ramy Fathy
Gui Liu
Daidi Zhong

IEEE Staff:
Christy Bahn
Adrien Bastos
Teresa Belmont
Jennifer Biolsi
Hermann Brand
Kim Breitfelder
Matthew Ceglia
Karen Evangelista
Jonathan Goldberg
Jodi Haasz
Yvette Ho Sang
Ron Hotchkiss
Patrycja Jarosz
Konstantinos Karachalios

Soo Kim
Michael Kipness
Vanessa Lalitte
Jiajia Liu
Kelly Lorne
Christian Orlando
Dave Ringle, Administrator
Pat Roder
Jennifer Santulli
Tom Thompson
Ernesto Vega Janica
Malia Zaman

IEEE Outside Legal Counsel:
Claire Topp – Dorsey & Whitney LLP

Guests:
Mila Aliana
Mauricio Cespedes
Latonia Gordon
Gary Hoffman
Oliver Holland
Ning Hu
Tyler Jaynes
Yousef Kimiagar
John Kulick
David Law
Joseph Levy
Xiaohui Liu
Haiying Lu
Kevin Lu
Meng Lu
Jim Matthews
Kai Pan
Glenn Parsons
Jim Peng
Robby Robson
Jon Rosdahl
Dan Sabin
Mark Siira
Barry Tilton

Keith Waters
Karl Weber
Matthew Wilkowski
Don Wright
Hongjun Xie
Yu Yuan
Han Zhang
Xi Zhang

1   CALL TO ORDER

Chair Wang called the meeting to order at 9:02 a.m. CEST (UTC+2).

There was a round of Introductions.

It was noted that the meeting was quorate.

2   REVIEW OF AGENDA

Chair Wang reviewed the agenda.

It was noted that P2030.14 would be time-specific at 11:00 a.m. CEST (UTC+2).

There was a motion to approve the agenda. In the absence of objection, the motion was approved.

2.1   Consent Agenda

2.1.1   Withdrawal Requests

IEEE Computer Society/Microprocessor Standards Committee

P3120.1
Standard for Quantum Simulator Architecture
Recommendation: Approve PAR withdrawal.

IEEE Nanotechnology Council/Standards Committee

P3155
Standard for Programmable Quantum Simulator
Recommendation: Approve PAR withdrawal.

IEEE Power and Energy Society/Power System Communications and Cybersecurity

PC37.240
Standard Cybersecurity Requirements for Power System Automation, Protection, and Control Systems
Recommendation: Approve PAR withdrawal.

3   APPROVAL OF NESCOM MEETING MINUTES
3.1   Approval of [Minutes](#) from the 29 March 2023 NesCom Meeting

There was a motion to approve the 29 March 2023 meeting minutes. In the absence of objection, the motion was approved.

3.2   Approval of [Minutes](#) from the 15 May 2023 NesCom Meeting

There was a motion to approve the 15 May 2023 meeting minutes. In the absence of objection, the motion was approved.

4   PARS FOR DISCUSSION
4.1   Modified PARs

There was a motion to approve the recommendations for P2725.1, PC37.20.9a, and P2004 based on the fact that preliminary votes have no objections to recommending approval and there are no unresolved NesCom member comments. In the absence of objection, the motion was approved.

IEEE Computer Society/Artificial Intelligence Standards Committee

P2894
Guide for an Architectural Framework for Explainable Artificial Intelligence
Recommendation: Approve modified PAR until 31 December 2024.

There was a motion to approve the recommendation for P2894. In the absence of objection, the motion was approved.

P3152
Standard for Transparent Agency Identification of Humans and Machines
Recommendation: Approve modified PAR until 31 December 2026.

There was a motion to approve the recommendation for P3152. In the absence of objection, the motion was approved.

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2725.1
Standard for Microwave Structural, Vascular, or Functional Brain Imaging Device Safety
Recommendation: Approve modified PAR until 31 December 2024.

IEEE Power and Energy Society/Switchgear

PC37.20.9a
Standard for Metal-Enclosed Switchgear Rated 1 kV to 52 kV Incorporating Gas Insulating Systems
Amendment: Clarification of metal-enclosed gas-insulated switchgear (MEGIS) types covered, refilling and monitoring requirements and production test requirements
Recommendation: Approve modified PAR until 31 December 2027.

IEEE Power Electronics Society/Standards Committee

P2004
Hardware-in-the-Loop (HIL) Simulation Based Testing of Electric Power Apparatus and Controls
Recommendation: Approve modified PAR until 31 December 2023.

4.2   Extension Requests

There was a motion to approve the recommendations for P2807.1, P7130, P386, P1717, P1816, P1815.2, PC37.236, P80, PC37.13, PC37.100.6, PC57.170, P1636-2018/Cor 1, and P1671-2017/Cor 1 based on the fact that preliminary votes have no objections to recommending approval and there are no unresolved NesCom member comments. In the absence of objection, the motion was approved.

IEEE Computer Society/Standards Activities Board

P2807.1
Standard for Technical Requirements and Evaluation of Knowledge Graphs

Recommendation: Approve request for an extension until 31 December 2025.

P7130

Standard for Quantum Technologies Definitions
Recommendation: Approve request for an extension until 31 December 2025.

IEEE Power and Energy Society/Insulated Conductors

P386

Standard for Shielded Separable Insulated Connectors for Classes 15 kV through 35 kV
Recommendation: Approve request for an extension until 31 December 2025.

P1428

Guide for Installation Methods for Fiber Optic Cables in Power Generating Stations and in Industrial Facilities
Recommendation: Approve request for an extension until 31 December 2025.

There was a motion to approve the recommendation for P1428. In the absence of objection, the motion was approved.

P1717

Standard for Testing Fire-Resistive, Circuit Integrity Cables and Cable Systems Using a Hydrocarbon Pool Fire Test Protocol
Recommendation: Approve request for an extension until 31 December 2024.

P1816

Guide for Preparation Techniques of Shielded Cables Rated 2.5 kV through 46 kV and the Installation of Mating Accessories
Recommendation: Approve request for an extension until 31 December 2025.

IEEE Power and Energy Society/Power System Communications and Cybersecurity

P1815.2

Standard Profile for Communications with Distributed Energy Resources (DERs) using IEEE Std 1815 [Distributed Network Protocol (DNP3)]
Recommendation: Approve request for an extension until 31 December 2025.

PC37.236

Guide for Power System Protective Relay Applications Over Digital Communication Channels
Recommendation: Approve request for an extension until 31 December 2025.

IEEE Power and Energy Society/Substations

P80

Guide for Safety in AC Substation Grounding
Recommendation: Approve request for an extension until 31 December 2025.

IEEE Power and Energy Society/Switchgear

PC37.13

Standard for Low-Voltage AC (1058 V and Below) Power Circuit Breakers Used in Enclosures
Recommendation: Approve request for an extension until 31 December 2025.

PC37.100.6

Guide for Determination of Test Specimens for Seismic Qualification for Building Code Applications
Recommendation: Approve request for an extension until 31 December 2025.

IEEE Power and Energy Society/Transformers

PC57.170

Guide for the Condition Assessment of Liquid Immersed Transformers, Reactors and Their Components
Recommendation: Approve request for an extension until 31 December 2025.

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

P7011

Standard for the Process of Identifying and Rating the Trustworthiness of News Sources

Recommendation: Approve request for an extension until 31 December 2024.

There was a motion to approve the recommendation for P7011. The motion was approved, with 2 abstentions [Edwards].

IEEE-SASB Coordinating Committees/SCC20 – Test and Diagnosis for Electronic Systems

P1636.1-2018/Cor 1

Standard for Software Interface for Maintenance Information Collection and Analysis (SIMICA): Exchanging Test Results and Session Information via the eXtensible Markup Language (XML) – Corrigendum 1

Recommendation: Approve request for an extension until 31 December 2025.

P1671.1-2017/Cor 1

Standard for Automatic Test Markup Language (ATML) Test Descriptions – Corrigendum 1

Recommendation: Approve request for an extension until 31 December 2025.

4.3   New PARs

There was a motion to approve the recommendations for P3385, P11073-20107-2017/Cor 1, P63480, P1871.3, P3382, P3383, P3384, and P3381 based on the fact that preliminary votes have no objections to recommending approval and there are no unresolved NesCom member comments. In the absence of objection, the motion was approved.

IEEE Computer Society/Artificial Intelligence Standards Committee

P3374

Recommended Practice for the Framework and Evaluation Methods of Audio-Driven Portraits Based on Artificial Intelligence

Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3374. The motion was approved, with 1 abstention.

P3375
Standard for Specification of Cloud-Side Deep Learning Artificial Intelligence Chips for Computer Vision
Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3375. In the absence of objection, the motion was approved.

P3376
Recommended Practice for Evaluating Artificial Intelligence Generated Content
Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3376. In the absence of objection, the motion was approved.

P3378
Standard for Framework and Process for Large-Scale Deep Learning Model Evaluation
Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3378. In the absence of objection, the motion was approved.

P3379
Standard for Compiler Interfaces of Artificial Intelligence
Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3379. The motion was approved, with 2 abstentions [Edwards, Myles].

P7018
Standard for Security and Trustworthiness Requirements in Generative Pretrained Artificial Intelligence (AI) Models
Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P7018. The motion was approved, with 1 abstention [Myles].

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P3389
Standard for Technical Framework of Runtime Application Self-Protection (RASP)
Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3389. The motion was approved, with 1 abstention [Myles].

P3390
Standard for Security Management Capability Framework of Open Source Software Supply Chain for Software Providers
Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3390. The motion was approved, with 1 abstention [Myles].

IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee

P3812.3
Standard for Decentralized/Disintermediation Identity Framework Based on Distributed Ledger Technology (DLT)
Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3812.3. The motion was approved. [Vote: Yes=6, No=2 (Myles), Abstain=2 (Edwards)].

P3815
Standard for Layer 2 Framework for Blockchain and Distributed Ledger Technologies (DLT)
Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3815. The motion was approved, with 1 abstention [Myles].

P3816
Standard for Internet of Rights (IOR): Overview and Architecture
Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3816. The motion was approved, with 1 abstention [Myles].

P3819
Standard for Metaverse Financial System – Reference Architecture and Technical Requirements
Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3819. The motion was approved, with 2 abstentions [Edwards, Myles].

P3820
Standard for Explainability Capability Evaluation of Anti-Fraud Artificial intelligence (AI) Systems
Recommendation: Approve new PAR until December 2027.

P3821
Standard for Framework of Digital Intelligent Comprehensive Energy Service Station Management Systems
Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3821. The motion was approved, with 1 abstention [Myles].

IEEE Consumer Technology Society/Smart Devices Standards Committee

P3385
Guide for Framework on Personal Information Protection in Smart Devices
Recommendation: Approve new PAR until December 2027.

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

P11073-10207-2017/Cor 1
Health Informatics – Point-of-Care Medical Device Communication Part 10207: Domain Information and Service Model for Service-Oriented Point-of-Care Medical Device Communication – Corrigendum 1
Recommendation: Approve new PAR until December 2027.

IEEE Intelligent Transportation Systems Society/Standards Committee

P3377
Standard for In-Cabin Vehicle Sensing & Communication Networks
Recommendation: Approve new PAR until December 2027.

There was a motion to approve the recommendation for P3377. In the absence of objection, the motion was approved.

IEEE Power and Energy Society/Transmission and Distribution

P2030.14
Guide for Virtual Power Plant Functional Specification for Alternate and Multi-Source Generation
Recommendation: Approve new PAR until December 2027.

This item occurred at 11:00 a.m. CEST (UTC+2).

There was a motion to approve the recommendation for P2030.14. In the absence of objection, the motion was approved.

IEEE Power Electronics Society/Standards Committee

P3380
Recommended Practice for Alternating Current (AC) Power System Stability in Critical Facilities
Recommendation: Defer consideration of new PAR to the September 2023 NesCom meeting to allow time for the PAR submitters to adequately review NesCom member comments and consider updates to the PAR.

There was a motion to Disapprove P3380. The motion failed. [Vote: Yes=4, No=5, Abstain=2]

There was a motion to Defer consideration of new PAR to the September 2023 NesCom meeting.

There was a motion to Amend to add 'to allow time for the PAR submitters to adequately review NesCom member comments and consider updates to the PAR.'
The motion to Amend was approved without objection.

There was a vote on the new main motion to Defer consideration of new PAR to the September 2023 NesCom meeting to allow time for the PAR submitters to adequately review NesCom member comments and consider updates to the PAR.
In the absence of objection, the motion was approved.

Action Item: Chair Wang to consider the appointment of a NesCom Member as a mentor for this PAR submittal.

IEEE SA Board of Governors/International Committee on Electromagnetic Safety

P63480
Standard for Assessment of Human Exposure to Electromagnetic Fields from Radiative Wireless Power Transfer Systems: Measurement and Computational Methods (Frequency Range of 30 MHz to 300 GHz)
Recommendation: Approve new PAR until December 2027.

IEEE SA Board of Governors/SCC20 – Test and Diagnosis for Electronic Systems

P1871.3
Recommended Practice for Using JavaScript Object Notation (JSON) with XML-based Data Models for Test and Diagnosis for Electronic Systems
Recommendation: Approve new PAR until December 2027.

IEEE Signal Processing Society/Synthetic Aperture Standards Committee

P3382
Standard for Performance Metrics for Magnetic Resonance Image Reconstruction
Recommendation: Approve new PAR until December 2027.

P3383
Standard for Performance Metrics for Integrated Sensing and Communication Systems
Recommendation: Approve new PAR until December 2027.

P3384
Standard for Vocabulary for Integrated Sensing and Communication Systems
Recommendation: Approve new PAR until December 2027.

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P3381
Guide for Condition Evaluation of Electric Vehicle Supply Equipment (EVSE)
Recommendation: Approve new PAR until December 2027.

4.4   PARs for the Revision of Standards

There was a motion to approve the recommendations for P1667, P741, P1792, P1268, PC37,122.5, PC37,122.6, PC37.60, PC37.81, PC37.82, PC57.158, and P1671 based on the fact that preliminary votes have no objections to recommending approval and there are no unresolved NesCom member comments. The motion was approved, with Edwards abstaining on PC37.81.

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P1667
Standard for Discovery, Authentication, and Authorization in Host Attachments of Storage Devices
Recommendation: Approve PAR for the revision of a standard until December 2027.

IEEE Power and Energy Society/Nuclear Power Engineering

P741
Standard for Criteria for the Protection of Class 1E Power Systems and Equipment in Nuclear Power Generating Stations
Recommendation: Approve PAR for the revision of a standard until December 2027.

P1792
Recommended Practice for Nuclear Power Generating Station Preferred Power Supply Reliability
Recommendation: Approve PAR for the revision of a standard until December 2027.

IEEE Power and Energy Society/Substations

P1268
Guide for Safety in Installation and Operation of Mobile Substation Equipment
Recommendation: Approve PAR for the revision of a standard until December 2027.

PC37.122.5
Guide for Moisture Measurement and Control in SF6 Gas-Insulated Equipment Rated above 1000 V
Recommendation: Approve PAR for the revision of a standard until December 2027.

PC37.122.6
Recommended Practice for the Interface of New Gas-Insulated Equipment in Existing Gas-Insulated Substations Rated above 52 kV
Recommendation: Approve PAR for the revision of a standard until December 2027.

IEEE Power and Energy Society/Switchgear

PC37.60
International Standard – High-Voltage Switchgear and Controlgear – Part 111: Automatic Circuit Reclosers for Alternating Current Systems above 1000 V
Recommendation: Approve PAR for the revision of a standard until December 2027.

PC37.81
Guide for Seismic Qualification of Class 1E Metal-Enclosed Power Switchgear Assemblies
Recommendation: Approve PAR for the revision of a standard until December 2027.

PC37.82
Standard for the Qualification of Switchgear Assemblies for Class 1E Applications in Nuclear Power Generating Stations
Recommendation: Approve PAR for the revision of a standard until December 2027.

IEEE Power and Energy Society/Transformers

PC57.12.36

Standard Requirements for Liquid-Immersed Distribution Substation Transformers
Recommendation: Approve PAR for the revision of a standard until December 2027.

There was a motion to recommend Deferral to allow time for the Working Group Chair to address open NesCom comments. The motion failed. [Vote: Yes=4, No=5, Abstain=2]

There was a motion to approve the recommendation for PC57.12.36. In the absence of objection, the motion was approved.

PC57.158
Guide for the Application of Tertiary and Stabilizing Windings in Power Transformers
Recommendation: Approve PAR for the revision of a standard until December 2027.

IEEE SA Board of Governors/SCC20 – Test and Diagnosis for Electronic Systems

P1671
Standard for Automatic Test Markup Language (ATML) for Exchanging Automatic Test Equipment and Test Information Via eXtensible Markup Language
Recommendation: Approve PAR for the revision of a standard until December 2027.

5   OLD BUSINESS
5.1   Documents Jointly Developed with Another Organization and Indication of Applicable Style

Chair Wang initiated discussion.

There was a motion to extend the NesCom meeting by 10 minutes. In the absence of objection, the motion was approved.

There was a motion to create a new NesCom Convention:

   19.   Document Jointly Developed with Another Organization

If a PAR had the intent to develop the document jointly with another organization, i.e., when the answer in 7.2 of the PAR is yes, the information of the used document style guide should be provided in the Additional Explanatory Notes field.

The motion was approved. [Vote: Yes=5, No=4, Abstain=1]

6   NEW BUSINESS
6.1   Discussion RE: NesCom Convention 8

Due to a lack of meeting time, this item was deferred to the September 2023 NesCom meeting.

6.2   Discussion RE: NesCom Assessment of Non-Technical Standards Proposals

Due to a lack of meeting time, this item was deferred to the September 2023 NesCom meeting.

6.3   Discussion RE: PAR Withdrawal Requests as Part of the NesCom Consent Agenda

Due to a lack of meeting time, this item was deferred to the September 2023 NesCom meeting.

6.4   Proposal to Introduce 'Void' in the NesCom Agenda when a PAR is Removed from the Agenda

Due to a lack of meeting time, this item was deferred to the September 2023 NesCom meeting.

7   [NEXT MEETING](#)

The next meeting of NesCom will take place on 20 September 2023 as a virtual-only meeting.

8   ADJOURNMENT

The meeting was adjourned at 12:07 p.m. CEST (UTC+2).