

IEEE SA Standards Board Standards Review Committee (RevCom) approved Meeting Minutes

25 September 2024

1:30 p.m. – 4:00 p.m. (GMT+3)

Athens, Greece and Teleconference

Members Present

Ted Burse
Travis Griffith
Yousef Kimiagar
Thomas Koshy
Xiaohui Liu
Haiying Lu
Hiroshi Mano
Paul Nikolich
Annette Reilly
Donnie Swing
Keith Waters, Chair
Sha Wei
Howard Wolfman

Members Absent

Nehad El-Sherif
Ron Hotchkiss

Guests Present

Hassan Abouseada
Doug Arnold
Sara Biyabani
Perkilis Chatzimisios
Doug Edwards
Jean-Philippe Faure
Kenneth Fleischer
James Gilb
Latonia Gordon
Guido Hiertz
Stephan Kehrer
David Law
Joseph Levy
Kevin Lu
Daleep Mohla
Kai Pan
Robby Robson
Jon Rosdahl

Robby Simpson
Zeyang Tang
Claire Topp (IEEE outside legal counsel)
Mehmet Ulema
Lei Wang
Don Wright
Guojia Yu
Han Zhang
Xi Zhang

Staff Present

Christy Bahn
Adrien Bastos
Teresa Belmont
Ahsaki Benion
Matt Ceglia
Karen Evangelista, Administrator
Jon Goldberg
Jodi Haasz
Yvette Ho Sang
Patrycja Jarosz
Michael Kipness
Vanessa Lalitte
Jiajia Liu
Karen McCabe
Suzanne Merten
Christian Orlando
Dave Ringle
Heather Robinson
Rudi Schubert
Angela Thomas
Tom Thompson
Michelle Turner
Malia Zaman
Tony Zertuche
Meng Zhao

1. CALL TO ORDER

Chair Waters called the meeting to order at 1:30 p.m. (GMT+3).

2. INTRODUCTIONS

There was a round of introductions by all present.

3. REVIEW AND APPROVAL OF AGENDA

There was a motion to approve the agenda as amended (adding RAC Coordination under New Business). The motion was unanimously approved.

4. APPROVAL OF THE 4 JUNE 2024 MINUTES

There was a motion to approve the 4 June 2024 Minutes. The motion was unanimously approved.

5. PROCOM LIAISON REPORT

Ted Burse gave a summary of the ProCom meeting. For more information, please see the ProCom meeting minutes.

6. ADMINISTRATIVE EXTENSIONS/WITHDRAWALS

6.1. WAIVER/EXTENSION REQUEST FROM P1588C

There was a motion to recommend approval for the exemption giving the IEEE 1588 Working Group a two-year extension on submitting amendments on 1588-2019. The motion was approved unanimously.

7. CONDITIONAL APPROVAL REPORT

There were no conditional approvals.

8. PROPOSED STANDARDS FOR REVIEW AND RECOMMENDATION

8.1. NEW

Swing made the motion, seconded by Griffith, whereas the following "8.1 New" have a preliminary unanimous approval, abstentions and recusals not affecting the outcome, and all comments have been resolved, move to recommend approval for the following: P1918.1, P2030.5-2023/Cor 1, P2893-2023/Cor 1, P3187, P3201, P3214, and P1857.11. The motion was approved unanimously.

IEEE Communications Society/Mobile Communication Networks Standards Committee P1918.1/Draft 4

IEEE Draft Standard for Tactile Internet: Application Scenarios, Definitions and Terminology, Architecture, Functions, and Technical Assumptions

Recommendation: APPROVE

IEEE Communications Society/Power Line Communications P2030.5-2023/Cor 1/Draft 2

IEEE Draft Standard for Smart Energy Profile Application Protocol - Corrigendum 1

Recommendation: APPROVE

P2893-2023/Cor 1/Draft 1.3

IEEE Draft Standard for Flexible Optical Service Unit (OSUFlex) of Optical Transport Network (OTN) in Power Systems - Corrigendum 1

Recommendation: APPROVE

IEEE Computer Society/Artificial Intelligence Standards Committee
P3187/Draft 0.8

IEEE Draft Guide for Framework for Trustworthy Federated Machine Learning

Recommendation: APPROVE

IEEE Computer Society/Blockchain and Distributed Ledgers
P3201/Draft 3.2

IEEE Draft Standard for Blockchain Access Control

Recommendation: APPROVE

P3230.02 (P3214)/Draft 4.1

IEEE Draft Standard for Testing Specification of Blockchain Systems

Recommendation: APPROVE

IEEE Computer Society/Data Compression Standards Committee
P1857.11/Draft 3

IEEE Draft Standard for Neural Network-Based Image Coding

Recommendation: APPROVE

IEEE Computer Society/LAN/MAN Standards Committee
P802.1ASdm/Draft 2.5

IEEE Draft Standard for Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications - Amendment: Hot Standby and Clock Drift Error Reduction

Recommendation: APPROVE [11=yes, 0=no, 1= abstain (Reilly)]

P802.1ASdn/Draft 2.2

IEEE Draft Standard for Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications Amendment: YANG Data Model

Recommendation: APPROVE

P802.1DC/Draft 3.4

IEEE Draft Standard for Local and metropolitan area networks--Quality of Service Provision by Network Systems

Recommendation: APPROVE

Swing made the motion, seconded by Koshy, whereas the following "8.1 New" have a preliminary unanimous approval, abstentions and recusals not affecting the outcome, and

all comments have been resolved, move to recommend approval for the following: P802.3-2022/Cor 1, P3800, P3816, P2717, P3178, and P1580a. The motion was approved unanimously.

P802.3-2022/Cor 1/Draft 3.1

IEEE Draft Standard for Ethernet - Corrigendum 1 - Multi-Gigabit Automotive Medium Dependent Interface (MDI) Return Loss

Recommendation: APPROVE

P802.11be/Draft 7.0

IEEE Draft 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: Enhancements for Extremely High Throughput (EHT)

There were motions to approve P802.11be and P802.11bh. The motions were approved unanimously. There was a motion to reconsider approval of P802.11 be and P802.11bh, made by Wolfman, seconded by Koshy. The motion was approved (11=yes, 1=no (Nikolich), 0=abstain). There was a motion to conditionally approve P802.11be and P802.11bh based on the approved of P802.11/Draft 7, made by Wolfman, seconded by Griffith. The motion was approved unanimously.

Recommendation: Conditionally approve P802.11be based on SASB approval of P802.11/Draft 7.

P802.11bh/Draft 6.0

IEEE Draft 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 1: Operation with Randomized and Changing MAC Addresses

Recommendation: Conditionally approve P802.11bh based on SASB approval of P802.11/Draft 7.

**IEEE Consumer Technology Society/Digital Finance and Economy Standards Committee
P3800/Draft 3.0**

IEEE Draft Standard for a data-trading system: overview, terminology and reference model

Recommendation: APPROVE

P3816/Draft 13

IEEE Draft Standard for Internet of Rights (IOR): Overview and Architecture

Recommendation: APPROVE

**IEEE Electromagnetic Compatibility Society/Standards Development Committee
P2717/Draft 4.3**

IEEE Draft Trial-Use Recommended Practice for Passive Intermodulation Test Methods for Wireless Systems in Low Noise Environments

Recommendation: APPROVE

**IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee
P3178/Draft 1.1**

IEEE Draft Standard for General Requirements and Protocols for Software-defined Physical Layer of Wireless Backscatter Networks

Recommendation: APPROVE

**IEEE Industry Applications Society/Petroleum & Chemical Industry
P1580a/Draft 2**

IEEE Draft Recommended Practice for Marine Cable for Use on Shipboard and Fixed or Floating Facilities Amendment 1: Offshore Wind Electrical Substation Cables

Recommendation: APPROVE

**IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology
P1588c/Draft 1.6**

IEEE Draft Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems Amendment: Clarification of Terminology

Recommendation: Conditionally approve P1588c upon approval of the extension request.
[11=yes, 0=no, 1=abstain (Reilly)]

**IEEE Power and Energy Society/Energy Storage & Stationary Battery Committee
P2686/Draft 9.4**

IEEE Draft Recommended Practice for Battery Management Systems in Energy Storage Applications

Recommendation: APPROVE

**IEEE Power and Energy Society/Substations Committee
P693a/Draft 2**

IEEE Draft Recommended Practice for Seismic Design of Substations Amendment: Alterations of Transformers and Select Appendages, Surge Arresters, Response Spectra, Time Histories, and Their Qualification Methodologies Amendment

Recommendation: APPROVE

**IEEE Power and Energy Society/Switchgear
P62271-37-013-2021/Cor 1/Draft 1**

IEEE/IEC Draft International Standard for High-voltage Switchgear and Controlgear--Part 37-013: Alternating Current Generator Circuit-Breakers - Corrigendum 1

Recommendation: APPROVE

**IEEE Power and Energy Society/Transformers
P63253-5713-8/Draft 3**

IEC/IEEE Draft International Standard Requirements for Station Service Voltage Transformers

Recommendation: APPROVE

Swing made the motion, seconded by Kimiagar, whereas the following “8.1 New” have a preliminary unanimous approval, abstentions and recusals not affecting the outcome, and all comments have been resolved, move to recommend approval for the following: PC57.12.210, PC57.165, P1048b, P1806-2021/Cor 1, P2824, P2833, P3102, PC135.100, P2818, P3345, and P3182. The motion was approved unanimously.

PC57.12.210/Draft 3.1

IEEE Draft Recommended Practice for On-load Capacity Switching Distribution Transformers

Recommendation: APPROVE

PC57.165/Draft 6.8

IEEE Draft Guide for Temperature Measurements for Liquid Immersed Transformers and Reactors

Recommendation: APPROVE

**IEEE Power and Energy Society/Transmission and Distribution
P1048b/Draft 3**

IEEE Draft Guide for Protective Grounding of Power Lines Amendment B: Differentiating the Fabric Carrier Mat and the Rigid Carrier Mat

Recommendation: APPROVE

P1806-2021/Cor 1/Draft 1

IEEE Draft Guide for Reliability-Based Placement of Overhead and Underground Switching and Overcurrent Protection Equipment up to and Including 38 kV - Corrigendum 1

Recommendation: APPROVE

P2824/Draft 3

IEEE Draft Guide for Testing Mechanical Acoustic Imaging of High Voltage Reactors

Recommendation: APPROVE

P2833/Draft 4

IEEE Draft Guide for Overhead Transmission Lines with Composite-Insulated-Crossarm Supports

Recommendation: APPROVE

P3102/Draft 6

IEEE Draft Standard for Conservation Voltage Reduction (CVR) Data Collection and Management Procedures

Recommendation: APPROVE

PC135.100/Draft 6

IEEE Draft Standard for Line Hardware for Overhead Line Construction

Recommendation: APPROVE

IEEE Reliability Society/IEEE Reliability Society Standards Committee
P2818/Draft 13

IEEE Draft Standard for Reliability Component Stress Analysis and Derating Specification

Recommendation: APPROVE

IEEE Robotics and Automation Society/Standing Committee for Standards
P3345/Draft 7.1

IEEE Draft Guide for Terminology and Classification of Electric Vehicle Charging Robots

Recommendation: APPROVE

IEEE SA Board of Governors/Entity Collaborative Activities Governance Board
P3182/Draft 2

IEEE Draft Standard for a Unified Terminology and Framework for Percutaneous and Non-Fluoroscopic Technology (PAN technology) in Cardiovascular Diseases

Recommendation: APPROVE

P3300/Draft 2

IEEE Draft Standard for Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Multimodal Conversation (MMC) Version 2

Recommendation: APPROVE

P3301/Draft 2

IEEE Draft Standard for Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Artificial Intelligence Framework (AIF) Version 2

Recommendation: APPROVE

P3305/Draft 2

IEEE Draft Standard for Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification MPAI Metaverse Model (MMM) Architecture Version 1

Recommendation: APPROVE

P3306/Draft 2

IEEE Draft Standard for Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Portable Avatar Format (PAF) Version 1

Recommendation: APPROVE

IEEE Vehicular Technology Society/Intelligent Transportation Systems
P3130/Draft 8

IEEE Draft Standard for Security Requirements and Testing Methods of Operating Systems in Connected Vehicles

Recommendation: APPROVE

P3452/Draft 3.2

IEEE Draft Standard for Technical Requirements for Vehicle Networking Management System Based on 3 Access Point Name (3APN)

Recommendation: APPROVE

IEEE Vehicular Technology Society/Traction Power Systems Standards Committee
P2970/Draft 7.0

IEEE Draft Guide for Synchronous Monitoring of the Magnitude and Distribution of Stray Current in Urban Rail Transit's Direct Current Traction System

Recommendation: APPROVE

8.2. REVISION

Swing made the motion, seconded by Koshy, whereas the following "8.2 Revision" have a preliminary unanimous approval, abstentions and recusals not affecting the outcome, and all comments have been resolved, move to recommend approval for the following: P686, P1801, P802.15.4, P982, P32430, P1149.4, P1210, P1816, and P334. The motion was approved unanimously.

IEEE Aerospace and Electronic Systems Society/Radar Systems Panel
P686/Draft 1.1

IEEE Draft Standard for Radar Definitions

Recommendation: APPROVE

IEEE Computer Society/Design Automation
P1801/Draft 10.26

IEEE Draft Standard for Design and Verification of Low Power, Energy Aware Electronic Systems

Recommendation: APPROVE

IEEE Computer Society/LAN/MAN Standards Committee
P802.11/Draft 7.0

IEEE Draft Standard for Information Technology - Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks - Specific Requirements - Part 11: Wireless Local Area Network (LAN) Medium Access Control (MAC) and Physical Layer (PHY) Specifications

Recommendation: APPROVE [10=yes, 1=no (Swing), 1= abstain (Reilly)]

P802.15.4/Draft 7

IEEE Draft Standard for Low-Rate Wireless Networks

Recommendation: APPROVE

IEEE Computer Society/Software & Systems Engineering Standards Committee
P982/Draft 4

IEEE Draft Standard for Measures of the Software Aspects of Dependability

Recommendation: APPROVE

P32430/Draft 4

IEEE Draft Software engineering - Software Non-Functional Sizing Measurement

Recommendation: APPROVE

IEEE Computer Society/Test Technology

P1149.4/Draft 2

IEEE Draft Standard for a Mixed-Signal Test Bus

Recommendation: APPROVE

IEEE Power and Energy Society/Insulated Conductors

P1210/Draft 3

IEEE Draft Standard Tests for Determining Compatibility of Cable-Pulling Lubricants with Wire and Cable

Recommendation: APPROVE

P1816/Draft 18

IEEE Draft Guide for Preparation Techniques of Shielded Cables Rated 2.5 kV through 46 kV and the Installation of Mating Accessories

Recommendation: APPROVE

IEEE Power and Energy Society/Nuclear Power Engineering Committee

P334/Draft 7

IEEE Draft Standard for Qualifying Alternating Current Class 1E Motors for Nuclear Power Generating Stations

Recommendation: APPROVE

P62582-1/Draft 2

IEEE Draft International Standard for Nuclear power plants - Instrumentation and Control Important to Safety - Electrical Equipment Condition Monitoring Methods - Part 1: General

Recommendation: APPROVE [11=yes, 0=no, 1=abstain (Lu)]

P63332-387/Draft 3

IEEE/IEC Draft International Standard for Nuclear Facilities - Electrical Power Systems - Part 387: Diesel Generator Units Applied as Standby Power Sources

Recommendation: APPROVE

Swing made the motion, seconded by Kimiagar, whereas the following "8.2 Revision" have a preliminary unanimous approval, abstentions and recusals not affecting the outcome, and all comments have been resolved, move to recommend approval for the following: PC37.105, P1122, PC37.90.1, PC57.149, and P1695. The motion was approved unanimously.

PC37.105/Draft 4

IEEE Draft Standard for Qualifying Class 1E Protective Relays and Auxiliaries for Nuclear Power Generating Stations and Other Nuclear Facilities

Recommendation: APPROVE

**IEEE Power and Energy Society/Power System Instrumentation and Measurements
P1122/Draft 8.3**

IEEE Draft Standard for Digital Recorders for Measurements in High-Voltage and High-Current Impulse Tests

Recommendation: APPROVE

**IEEE Power and Energy Society/Power System Relaying and Control
PC37.90.1/Draft 11**

IEEE Draft Standard for Relays, Relay Systems, and Control Devices used for Protection and Control of Electric Power Apparatus-Surge Withstand Capability (SWC) and Electrical Fast Transient (EFT) Requirements and Tests

Recommendation: APPROVE

PC37.90.2/Draft 6.1

IEEE Draft Standard for Relays, Relay Systems, and Control Devices used for Protection and Control of Electric Power Apparatus - Radiated Electromagnetic Interference Withstand Capability Requirements and Tests

Recommendation: APPROVE

**IEEE Power and Energy Society/Switchgear
PC37.20.7/Draft 9**

IEEE Draft Recommended Practice for Testing Switchgear with Rated Voltages Up to 52 kV for Internal Arcing Faults

Recommendation: APPROVE [10=yes, 0=no, 2=abstain (Burse, Swing)]

**IEEE Power and Energy Society/Transformers
PC57.149/Draft 3.2**

IEEE Draft Guide for the Application and Interpretation of Frequency Response Analysis for Oil-Immersed Transformers

Recommendation: APPROVE

**IEEE Power and Energy Society/Transmission and Distribution
P1695/Draft 5**

IEEE Draft Guide to Understanding, Diagnosing, and Mitigating Stray and Contact Voltage

Recommendation: APPROVE

9. TELECONFERENCES

The next teleconference is scheduled for 29 October 2024. The submittal deadline is 18 September 2024.

10. OLD BUSINESS

There was no old business.

11. NEW BUSINESS

11.1 RAC COORDINATION

Nikolich brought up the discussion on RAC coordination during the RevCom review. It was agreed that the RAC Chair will be given access to the RevCom area in myProject. Staff will look at what could be done to improve coordination.

12. NEXT MEETING

The next face to face meeting is 10 December 2024. The submittal deadline is 21 October 2024.

13. ADJOURNMENT

There being no further business, the meeting was adjourned at 3:49 p.m. (GMT+3).