

## **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).