

## IEEE SA Standards Board New Standards Committee (NesCom) Recommendations

[SASB approval date: 24-Mar-2022]

[All votes unanimous unless noted otherwise.]

### Modified PARs

#### IEEE Computer Society/Standards Activities Board

##### **P3333.1.4**

Recommended Practice for the Quality Assessment of Light Field Imaging

**Recommendation:** Approve modified PAR

#### IEEE Power and Energy Society/Switchgear

##### **PC37.012**

Guide for the Application of Capacitive Current Switching for AC High-Voltage Circuit Breakers Above 1000 V

**Recommendation:** Approve modified PAR

#### IEEE-SASB Coordinating Committees/SCC21 - Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage

##### **P1547.9**

Guide to Using IEEE Standard 1547 for Interconnection of Energy Storage Distributed Energy Resources with Electric Power Systems

**Recommendation:** Approve modified PAR

### Extension Requests

#### IEEE Geoscience and Remote Sensing Society/Standards Committee

##### **P4001**

Standard for Characterization and Calibration of Ultraviolet through Shortwave Infrared (250 nm to 2500 nm) Hyperspectral Imaging Devices

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

### New PARs

#### IEEE Computer Society/Artificial Intelligence Standards Committee

##### **P3157**

Recommended Practice for Vulnerability Test for Machine Learning Models for Computer Vision Applications

**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

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

##### **P3223**

Standard for the Reference Architecture of Blockchain Fusion Server

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

#### IEEE Computer Society/Data Compression Standards Committee

##### **P3161**

Standard for Digital Retina Systems

**Recommendation:** Approve new PAR until December 2026 (16 approve, 0 disapprove, 1 abstain [Hiertz])

#### IEEE Computer Society/LAN/MAN Standards Committee

##### **P802.3dg**

Standard for Ethernet

Amendment: Physical Layer Specifications and Management Parameters for 100 Mb/s Operation and Associated Power Delivery over a Single Balanced Pair of Conductors

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

#### IEEE Computer Society/Standards Activities Board

##### **P3158**

Standard for Trusted Data Matrix System Architecture

**Recommendation:** Approve new PAR until December 2026 (16 approve, 0 disapprove, 1 abstain [Wei])

#### IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee

##### **P2418.11**

Framework for Use of Distributed Ledger Technology in Security of Electronic Voting (e-Voting) Systems

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

**IEEE Industry Applications Society/Petroleum & Chemical Industry  
P1349-2021/Cor 1**

Guide for the Application of Electric Machines in Zone 2 and Class I, Division 2 Hazardous (Classified) Locations -  
Corrigendum 1

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

**IEEE Power and Energy Society/Power System Communications and Cybersecurity  
P2030.103**

Standard for Universal Utility Data Exchange (JUDEX)

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

**IEEE Power and Energy Society/Switchgear  
PC37.86**

Guide for Internet of Things (IoT) Switchgear Terminals (52 kV and below)

**Recommendation:** Approve new PAR until December 2026 (16 approve, 0 disapprove, 1 abstain [Edwards])

**IEEE Power and Energy Society/Transformers  
PC57.13.10**

Guide for Calibration of Energized Current Transformers for 34.5 kV and Below

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

**IEEE SA Board of Governors/Corporate Advisory Group  
P2899.1**

Standard for Speech Recognition and Interaction System for Smart Home — Engineering Specifications for a  
Listening Room

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

**P2899.2**

Standard for Speech Recognition and Interaction System for Smart Home — Safety Requirements for Speech  
Control

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

**P2899.3**

Standard for Speech Recognition and Interaction System for Smart Home — Collection Requirements of Corpus  
and Noise for Laboratory-Level Testing

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

**P2977**

Adoption of the MIPI A-PHY Specification Version 1.1

**Recommendation:** Approve new PAR until December 2026 (15 approve, 0 disapprove, 2 abstain [Wang,  
Liu])

**P3300**

Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification  
Multimodal Conversation Version 1.1

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

**IEEE Signal Processing Society/Synthetic Aperture Standards Committee  
P3162**

Standard for Synthetic Aperture Channel Sounding Measurements

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

**IEEE-SASB Coordinating Committees/SCC31 - Automatic Meter Reading and Energy  
Management**

**P3159**  
Guide for Online Evaluation Method of Electricity Meter Operating Error Based on Power Consumption Data  
Collection and Access

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

**PARs for the Revision of Standards**

**IEEE Computational Intelligence Society/Standards Committee  
P1849**

Standard for eXtensible Event Stream (XES) for Achieving Interoperability in Event Logs and Event Streams

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

**IEEE Computer Society/LAN/MAN Standards Committee  
P802**

Standard for Local and Metropolitan Area Networks: Overview and Architecture

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

**IEEE Computer Society/Software & Systems Engineering Standards Committee  
P24748-2**

International Standard - Systems and software engineering -Life cycle management - Part 2: Guidelines for the application of ISO/IEC/IEEE 15288 (System life cycle processes)

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

**IEEE Computer Society/Test Technology**

**P1687**

Standard for Access and Control of Instrumentation Embedded within a Semiconductor Device

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

**IEEE Industry Applications Society/Petroleum & Chemical Industry**

**P1662**

Recommended Practice for the Design and Application of Power Electronics in Electrical Power Systems

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

**IEEE Power and Energy Society/Energy Development & Power Generation**

**P810**

Standard for Hydraulic Turbine and Generator Shaft Couplings and Shaft Runout Tolerances

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

**IEEE Power and Energy Society/Nuclear Power Engineering**

**P1205**

Guide for Assessing, Monitoring, and Mitigating Aging Effects on Electrical Equipment Used in Nuclear Power Generating Stations and Other Nuclear Facilities

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

**IEEE Power and Energy Society/Power System Relaying and Control**

**PC37.119**

Guide for Power System Circuit Breaker Failure Protection

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

**IEEE Power and Energy Society/Substations**

**P1402**

Recommended Practice for Physical Security of Electric Power Substations

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

**IEEE Power and Energy Society/Switchgear**

**PC37.24**

Guide for Evaluating the Effect of Solar Radiation on Outdoor Switchgear

**Recommendation:** Approve PAR for the revision of a standard until December 2026 (15 approve, 0 disapprove, 1 abstain [Edwards])

**IEEE Power and Energy Society/Transformers**

**PC57.13**

Standard Requirements for Instrument Transformers

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

**PC57.130**

Guide for the Use of Dissolved Gas Analysis Applied to Factory Temperature Rise Tests for the Evaluation of Mineral Oil-Immersed Transformers and Reactors

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

**PC57.139**

Guide for the Interpretation of Gases generated in Liquid-Type Load Tap Changers

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

**IEEE-SASB Coordinating Committees/SCC21 - Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage**

**P1547**

Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power Systems Interfaces

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

## PAR Title Changes for Harmonization with ISO

P11073-10101c (EMB/11073)

Current Title: 'Standard for Health informatics--Point-of-care medical device communication - Part 10101: Nomenclature Amendment 3: Additional definitions'

New Title: 'Health informatics -- Device interoperability -- Part 10101: Point-of-Care Medical Device Communication -- Nomenclature Amendment 3: Additional definitions'

P11073-10103 (EMB/11073)

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

New Title: 'Health informatics -- Device interoperability -- Part 10103: Point-of-Care Medical Device Communication -- Nomenclature - Implantable Device, Cardiac'

## Project Number Change Request

Current Number: P3003.5 (IAS/ICPS/SDC)

'Recommended Practice for Connections to Earth for Alternating Current (AC) Industrial and Commercial Power Systems Facilities'

New Number: P3003.4