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
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 (UUDEX)

**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**
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**

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