

IEEE SA Standards Board New Standards Committee (NesCom) Recommendations

[SASB approval date: 16-Jun-2021]
[All votes unanimous unless noted otherwise.]

Withdrawal Requests

IEEE Communications Society/Mobile Communication Networks Standards Committee **P1914.3a**

Standard for Radio over Ethernet Encapsulations and Mappings

Amendment 1: Encapsulation Enhancements and Elaborations, Additional Operation, Administration, and Maintenance (OAM) Functions, Management Model, Clarification on Relationships between Parameters

Recommendation: Approve PAR withdrawal

Modified PARs

IEEE Engineering in Medicine and Biology Society/IEEE 11073 Standards Committee **P11073-10700**

Health Informatics -- Device Interoperability -- Part 10700: Point-of-Care Medical Device Communication -- Standard for Base Requirements for Participants in a Service-Oriented Device Connectivity (SDC) System

Recommendation: Approve modified PAR

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology **P1588d**

Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems

Amendment: Guidelines for selecting and operating a Key Management System

Recommendation: Approve modified PAR (5 approve, 3 disapprove [Mohla, Reilly, Weber], 3 abstain [Fathy, Hong, Wei])

Extension Requests

IEEE Power and Energy Society/Electric Machinery **P2465**

Recommended Practice for Pulse-Type Partial Discharge Measurements on Individual Stator Coils and Bars

Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Insulated Conductors **P1186**

Recommended Practice for Applicability of Methods for the Evaluation of Low Voltage and Medium Voltage Installed Cable Systems in Nuclear Facilities

Recommendation: Approve request for an extension until December 2024

IEEE Power and Energy Society/Power System Instrumentation and Measurements **P2426**

Guide for Field Measurement of Fast-Front and Very Fast-Front Overvoltages in Electric Power System

Recommendation: Approve request for an extension until December 2023

IEEE Power and Energy Society/Transformers **PC57.91**

Guide for Loading Mineral-Oil-Immersed Transformers and Step-Voltage Regulators

Recommendation: Approve request for an extension until December 2023

PC57.113

Recommended Practice for Partial Discharge Measurement in Liquid-Filled Power Transformers and Shunt Reactors

Recommendation: Approve request for an extension until December 2023

PC57.142

Guide to Describe the Occurrence and Mitigation of Switching Transients Induced by Transformers, Switching Device, and System Interaction

Recommendation: Approve request for an extension until December 2023

IEEE-SASB Coordinating Committees/SCC21 - Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage **P2030.4**

Guide for Control and Automation Installations Applied to the Electric Power Infrastructure

Recommendation: Approve request for an extension until December 2024

New PARs

IEEE Computer Society/Learning Technology

P2997

Standard for Enterprise Learner Record

Recommendation: Approve new PAR until December 2025

IEEE Computer Society/Software & Systems Engineering Standards Committee

P2995

Trial-Use Standard for a Quantum Algorithm Design and Development

Recommendation: Approve new PAR until December 2025

P2998

Recommended Practice for Building Accessible Applications

Recommendation: Approve new PAR until December 2025

IEEE Consumer Technology Society/Standards Committee

P2861.4

Standard for Game Voice Enhancement for Mobile Gaming

Recommendation: Approve new PAR until December 2025

IEEE Industry Applications Society/Petroleum & Chemical Industry

P1017.4

Recommended Practice for Testing and Rating of Electrical Submersible Pump Motors

Recommendation: Approve new PAR until December 2025

IEEE Instrumentation and Measurement Society/TC45 - Radiation and Nuclear Instrumentation and Systems

PN42.46

Standard for Determination of the Imaging Performance of X-Ray and Gamma-Ray Systems for Cargo and Vehicle Security Screening

Recommendation: Approve new PAR until December 2025

PN42.59

Standard for Measuring the Imaging Performance of Millimeter-Wave Systems for Security Screening of Humans

Recommendation: Approve new PAR until December 2025

IEEE Photonics Society/Standards Committee

P2999

Guide for Technical Requirements and Test Methods for Industrial Ultrashort Pulse Lasers

Recommendation: Approve new PAR until December 2025

P3101

Standard for Fiber Optic Distributed Acoustic Sensing (DAS) Interrogator Standard – Terminology and Definitions

Recommendation: Approve new PAR until December 2025

IEEE Power and Energy Society/Power System Communications and Cybersecurity

PC93.5-2021/Cor 1

Standard for Power Line Carrier Transmitter/Receiver Equipment used to Transfer Discrete Teleprotection Signals - Corrigendum 1

Corrigendum: To add Table 3 which is referenced and required but missing in IEEE Std C93.5

Recommendation: Approve new PAR until December 2025

IEEE Power and Energy Society/Surge Protective Devices/Low Voltage

PC62.42.5

Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports - Part 5: 2-Terminal Electronic Current Limiters

Recommendation: Approve new PAR until December 2025

IEEE Power and Energy Society/Transmission and Distribution

P1048b

Guide for Protective Grounding of Power Lines

Amendment: Differentiating the Fabric Carrier Mat and the Rigid Carrier Mat

Recommendation: Approve new PAR until December 2025

PARs for the Revision of Standards

IEEE Communications Society/Mobile Communication Networks Standards Committee

P1914.3

Standard for Radio over Ethernet Encapsulations and Mappings

Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Computer Society/Data Compression Standards Committee

P1857

Standard for Advanced Audio and Video Coding

Recommendation: Approve PAR for the revision of a standard until December 2025 (9 approve, 0 disapprove, 1 abstain [Fathy])

P1857.3

Standard for System of Advanced Audio and Video Coding

Recommendation: Approve PAR for the revision of a standard until December 2025 (9 approve, 0 disapprove, 1 abstain [Fathy])

IEEE Computer Society/Simulation Interoperability Stds Organization/Stds Activity Committee

P1278.1

Standard for Distributed Interactive Simulation--Application Protocols

Recommendation: Approve PAR for the revision of a standard until December 2025

IEEE Power and Energy Society/Switchgear

PC37.20.6

Standard for 4.76 kV to 48.3 kV Rated Ground and Test Devices Used in Enclosures

Recommendation: Approve PAR for the revision of a standard until December 2025 (4 approve, 3 disapprove [Fathy, Reilly, Wright], 3 abstain [Hong, Weber, Wei], 1 recuse [Edwards])

Note: This PAR was deferred by the SASB to the September 2021 NesCom meeting.

PC37.63

Standard Requirements for Overhead, Pad-Mounted, Dry-Vault, and Submersible Automatic Line Sectionalizers for Alternating Current Systems Up to 38 kV

Recommendation: Approve PAR for the revision of a standard until December 2025 (9 approve, 0 disapprove, 1 recuse [Edwards])

PC37.74

Standard Requirements for Subsurface, Vault, and Padmounted Load-Interrupter Switchgear and Fused Load-Interrupter Switchgear for Alternating Current Systems up to 38 kV

Recommendation: Approve PAR for the revision of a standard until December 2025 (9 approve, 0 disapprove, 1 recuse [Edwards])

IEEE Power and Energy Society/Transmission and Distribution

P1564

Guide for Voltage Sag Indices

Recommendation: Approve PAR for the revision of a standard until December 2025

PC135.80

Standard for Fasteners for Overhead Line Construction

Recommendation: Approve PAR for the revision of a standard until December 2025

Standards Committee Changes

Current Standards Committee for the following standard: EDS/MEMS; New Standards Committee: BOG/SESCOM

2700 'Standard for Sensor Performance Parameter Definitions'

Current Standards Committee for the following standard: VT/RTSC; New Standards Committee: VT/CBTC&SIG

1474.4 'Recommended Practice for Functional Testing of a Communications-Based Train Control (CBTC) System'

Current Standards Committee for the following PARs: VT/RTSC; New Standards Committee: VT/CBTC&SIG

P1474.1 'Standard for Communications-Based Train Control (CBTC) Performance and Functional Requirements'

P1474.2 'Standard for User Interface Requirements in Communications-Based Train Control (CBTC) Systems'

P1474.3 'Recommended Practice for Communications-Based Train Control (CBTC) System Design and Functional Allocations'

Current Standards Committee for the following standards: VT/RTSC; New Standards Committee: VT/TPSSC

1653.4 'Standard for DC Traction Power System Field Testing and Acceptance Criteria for System Applications up to 1500 V DC Nominal'

1887 'Guide for Wayside Energy Storage Systems for DC Traction Applications'

1653.1 'Standard for Traction Power Rectifier Transformers for Substation Applications up to 1500 V DC Nominal Output'

1653.5 'Recommended Practice for Thyristor Controlled Rectifiers for Traction Power Substation Applications'

2720 'Guide for Rail Potential Management for DC Electrification Systems'

1653.3 'Guide for Rail Transit Traction Power Systems Modeling'

1653.2 'Standard for Uncontrolled Traction Power Rectifiers for Substation Applications up to 1500 V DC Nominal Output'

1653.6 'Recommended Practice for Grounding of DC Equipment Enclosures in Traction Power Distribution Facilities'

Current Standards Committee for the following PARs: VT/RTSC; New Standards Committee: VT/TPSSC

P2853 'Recommended Practice for Grounding of Traction Power Systems'

P1653.1 'Standard for Traction Power Rectifier Transformers for Substation Applications up to 1500 V DC Nominal Output'

P1884 'Guide for Stray Current/Corrosion Mitigation for DC Rail Transit Systems'