NesCom Recommendations

IEEE-SA Standards Board New Standards Committee
(NesCom) Recommendations
6 December 2011 [SASB approved: 7 December 2011]

Withdrawal Requests

*IEEE Engineering in Medicine and Biology Society/IEEE 11073TM Standards Committee*

**P11073-10202**
Standard for Health informatics - Point-of-care medical device communication - Domain information model (DIM) - XML schema format
*Recommendation: Approve PAR withdrawal.*

**P11073-20301**
Standard for Health informatics - Point-of-care medical device communication - Application Profile – Optional package, remote control
*Recommendation: Approve PAR withdrawal.*

**P11073-20401**
Standard for Health Informatics - Point-of-Care Medical Device Communication - Application Profile – Common Networking Infrastructure
*Recommendation: Approve PAR withdrawal.*

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

**P1451.1**
Standard for A Smart Transducer Interface for Sensors and Actuators - Network Capable Application Processor (NCAP) Information Model
*Recommendation: Defer PAR withdrawal.*

*IEEE Power and Energy Society/Insulated Conductors*

**P1299**
Guide for the Connection of Surge Arresters to Protect Insulated, Shielded Electric Power Cable Systems
*Recommendation: Approve PAR withdrawal.*

*IEEE Power and Energy Society/Power System Relaying*

**PC37.113**
Guide for Protective Relay Applications to Transmission Lines
*Recommendation: Approve PAR withdrawal.*
NesCom Recommendations

IEEE Power and Energy Society/Transformers

**PC57.12.37a**
IEEE Standard for the Electronic Reporting of Distribution Transformer Test Data - Amendment: Updating to Include Efficiency Fields

*Recommendation: Approve PAR withdrawal.*

**PC57.32**
Standard Requirements, Terminology and Test Procedures for Neutral Grounding Devices

*Recommendation: Approve PAR withdrawal.*

IEEE-SASB Coordinating Committees/SCC39 - International Committee on Electromagnetic Safety

**P1528.4**
Recommended Practice for Determining the Peak Spatial Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz - 6 GHz: Requirements for Using the Finite-Element Method for SAR Calculations, specifically involving Vehicle Mounted Antennas and Personal Wireless Devices

*Recommendation: Approve PAR withdrawal.*

Modified PARs

IEEE Computer Society/LAN/MAN Standards Committee

**P802.15.6**
Standard for Wireless Body Area Networks

*Recommendation: Approve modified PAR*

**P802.16n**

*Recommendation: Approve modified PAR*

**P802.16p**

*Recommendation: Approve modified PAR*

IEEE Computer Society/Software & Systems Engineering Standards Committee

**P828**
Standard for Configuration Management in Systems and Software
NesCom Recommendations

Engineering

**Recommendation: Approve modified PAR**

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

**P1451.2**
Standard for a Smart Transducer Interface for Sensors and Actuators - Serial Point-to-Point Interface

**Recommendation: Approve modified PAR**

*IEEE Power and Energy Society/Power System Communications*

**P1138-2009/Cor 1**
Standard for Testing and Performance for Optical Ground Wire (OPGW) for Use on Electric Utility Power Lines - Corrigendum 1: Stress Strain Temperature Correction

**Recommendation: Approve modified PAR**

*IEEE Power and Energy Society/Switchgear*

**P62271-37-082**
Standard for High-voltage switchgear and controlgear - Part 37-082: Measurement of sound pressure levels on alternating current circuit-breakers

**Recommendation: Approve modified PAR**

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

**P1705**
Standard for Compliance Testing to Utility Industry Metering Communications Protocol Standards

**Recommendation: Conditionally approve modified PAR contingent on working group chair information being added to the PAR form**

Extension Requests

*IEEE Computer Society/LAN/MAN Standards Committee*

**P802.15.4e**
IEEE Standard for Local and Metropolitan Area Networks Part 15.4: Low Rate Wireless Personal Area Networks (LR-WPANs) Amendment to the MAC sub-layer

**Recommendation: Approve request for an extension until December 2012**

**P802.15.6**
Standard for Information Technology - Telecommunications and Information
Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 15.6: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Wireless Personal Area Networks (WPANs) used in or around a body.

**Recommendation: Approve request for an extension until December 2012**

**IEEE Computer Society/Microprocessor Standards Committee**

**P1363**
Standard Specifications for Public Key Cryptography

**Recommendation: Approve request for an extension until December 2012**

**P1363.3**
Standard for Identity-Based Cryptographic Techniques using Pairings

**Recommendation: Approve request for an extension until December 2012**

**IEEE Computer Society/Simulation Interoperability Stds Organization/Std Activities Committee**

**P1278.1**
Standard for Distributed Interactive Simulation - Application Protocols

**Recommendation: Approve request for an extension until December 2012**

**IEEE Computer Society/Test Technology**

**P1450.6.2**
Standard for Memory Modeling in Core Test Language (CTL)

**Recommendation: Approve request for an extension until December 2012**

**IEEE Engineering in Medicine and Biology Society/IEEE 11073TM Standards Committee**

**P11073-00103**
Guide for Health Informatics - Personal Health Device Communication - Overview

**Recommendation: Approve request for an extension until December 2012**

**P11073-10103**
Standard for Health informatics - Point-of-care medical device communication - Nomenclature – Implantable device, cardiac

**Recommendation: Approve request for an extension until December 2012**
IEEE Engineering in Medicine and Biology Society/Standards Committee

P1708
Standard for Wearable Cuffless Blood Pressure Measuring Devices
Recommendation: Approve request for an extension until December 2012

IEEE Industry Applications Society/Petroleum & Chemical Industry

P515.1
Recommendation: Approve request for an extension until December 2012

P1584
Guide for Performing Arc-Flash Hazard Calculations
Recommendation: Approve request for an extension until December 2013

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

P1451.2
Standard for a Smart Transducer Interface for Sensors and Actuators - Transducer to Microprocessor Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats
Recommendation: Approve request for an extension until December 2012

IEEE Power and Energy Society/Insulated Conductors

P575
Guide for Bonding Sheaths and Shields of Single-Conductor Power Cables Rated 5 - 500 kV
Recommendation: Approve request for an extension until December 2012

P971
Guide for the Installation and Removal of Power Cables Installed in Duct Systems
Recommendation: Approve request for an extension until December 2013

P1300
Guide for Cable Connections for Gas Insulated Substations
Recommendation: Approve request for an extension until December 2012
NesCom Recommendations

P1718
Guide for Temperature Monitoring of Cable Systems
Recommendation: Approve request for an extension until December 2012

IEEE Power and Energy Society/Power System Communications

PC93.4
Standard for Power-Line Carrier Line-Tuning Equipment (30-500 kHz)
Associated With Power Transmission Lines
Recommendation: Approve request for an extension until December 2012

IEEE Power and Energy Society/Power System Relaying

PC37.111
Standard for Common Format for Transient Data Exchange (COMTRADE) for
Power Systems
Recommendation: Approve request for an extension until December 2012

PC37.236
Guide for Power System Protective Relay Applications over Digital
Communication Channels
Recommendation: Approve request for an extension until December 2012

IEEE Power and Energy Society/Stationary Batteries Committee

P1187
Recommended Practice for Installation Design and Installation of Valve-
Regulated Lead-Acid Batteries for Stationary Applications
Recommendation: Approve request for an extension until December 2012

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

PC62.92.3
Guide for the Application of Neutral Grounding in Electrical Utility Systems,
Part III--Generator Auxiliary Systems
Recommendation: Approve request for an extension until December 2012

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

PC62.37.1
Guide for the Application of Thyristor Surge Protective Device Components
Recommendation: Approve request for an extension until December
NesCom Recommendations

2012

IEEE Power and Energy Society/Substations

P979
Guide for Substation Fire Protection
Recommendation: Approve request for an extension until December 2012

P998
Guide for Direct Lightning Stroke Shielding of Substations
Recommendation: Approve request for an extension until December 2013

P1677
Application and User Guide for Gas-Insulated Transmission Lines (GIL), Rated 72.5 kV and Above
Recommendation: Approve request for an extension until December 2012

IEEE Power and Energy Society/Transmission and Distribution

P18
Standard for Shunt Power Capacitors
Recommendation: Approve request for an extension until December 2013

P1409
Guide for the Application of Power Electronics for Power Quality Improvement on Distribution Systems Rated 1 kV Through 38 kV
Recommendation: Approve request for an extension until December 2012

P1564
Guide for Voltage Sag Indices
Recommendation: Approve request for an extension until December 2013

P1726
Recommendation: Approve request for an extension until December 2012

IEEE Power and Energy Society/Transformers

P638
Standard for Qualification of Class 1E Transformers for Nuclear Power
NesCom Recommendations

Generating Stations

**Recommendation: Approve request for an extension until December 2012**

**P65700-19-03**
Standard for Bushings for DC application

**Recommendation: Approve request for an extension until December 2013**

**PC57.12.52**
Standard for Sealed Dry-Type Power Transformers, 501 kVA and Larger, Three-Phase, with High-Voltage 601 to 34500 Volts, Low-Voltage 208Y/120 to 4160 Volts- General Requirements

**Recommendation: Approve request for an extension until December 2012**

**PC57.17**
Standard Requirements for Arc Furnace Transformers

**Recommendation: Approve request for an extension until December 2012**

**PC57.19.100**
Guide for Application of Power Apparatus Bushings

**Recommendation: Approve request for an extension until December 2012**

**PC57.98**
Guide for Transformer Impulse Tests

**Recommendation: Approve request for an extension until December 2012**

**PC57.131**
Standard Requirements for Tap Changers

**Recommendation: Approve request for an extension until December 2012**

**PC57.150**
Guide for the Transportation of Transformers and Reactors Rated 10,000 kVA or larger

**Recommendation: Approve request for an extension until December 2012**

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

**P1377**
Standard for Utility Industry Metering Communication Protocol Application Layer (End Device Data Tables)
Recommendation: Approve request for an extension until December 2012

P1705

Recommendation: Approve request for an extension until December 2013

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P1478
Standard for Environmental Conditions for Transit Rail Car Electronic Equipment

Recommendation: Approve request for an extension until December 2012

P1629
Standard for Performance of dc Overhead Current Collectors for Transit Vehicles

Recommendation: Approve request for an extension until December 2012

P1630
Standard for Supporting Structures for Overhead Contact Systems for Transit Systems

Recommendation: Approve request for an extension until December 2012

P1653.1
Standard for Traction Power Rectifier Transformers for Substation Applications up to 1500 Volts dc Nominal Output

Recommendation: Approve request for an extension until December 2012

New PARs

IEEE Computer Society/LAN/MAN Standards Committee

P802.15.9
Recommended Practice for Transport of Key Management Protocol (KMP) Datagrams

Recommendation: Approve new PAR until December 2015

P802.16.1a

Recommendation: Approve new PAR until December 2015
P802.16.1b

**Recommendation: Approve new PAR until December 2015**

P802.22b
Standard for Information Technology--Telecommunications and information exchange between systems Wireless Regional Area Networks (WRAN)--Specific requirements Part 22: Cognitive Wireless RAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Policies and Procedures for Operation in the TV Bands Amendment: Enhancement for Broadband Services and Monitoring Applications

**Recommendation: Approve new PAR until December 2015**

**IEEE Communications Society/Standards Committee**

P1903.1
Standard for Content Delivery Protocols of Next Generation Service Overlay Network (NGSON)

**Recommendation: Approve new PAR until December 2015**

P1903.2
Standard for Service Composition Protocols of Next Generation Service Overlay Network (NGSON)

**Recommendation: Approve new PAR until December 2015**

P1903.3
Standard for Self-Organizing Management Protocols of Next Generation Service Overlay Network (NGSON)

**Recommendation: Approve new PAR until December 2015**

P1908.1
Virtual Keyboard Standard for Indic Languages

**Recommendation: Approve new PAR until December 2015**

P1909.1
Recommended Practice for Smart Grid Communication Equipment - Test methods and installation requirements

**Recommendation: Approve new PAR until December 2015**

**IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee**

P1451S
Recommended Practice for Signal Treatment Applied to Smart Transducers

**Recommendation: Defer approval of new PAR while project**
numbering is worked out

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

**P1451.1**
Standard for Smart Transducer Interface for Sensors and Actuators - Common Network Services

*Recommendation: Defer approval of new PAR. PAR should have been submitted as a PAR for Revision.*

**P1451.1D**
Standard for a Smart Transducer Interface for Sensors, Actuators, and Devices - eXtensible Messaging and Presence Protocol (XMPP) for Networked Device Communication

*Recommendation: Defer approval of new PAR while project numbering is worked out*

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

**P1202-2006/Cor 1**
Standard for Flame-Propagation Testing of Wire & Cable - Corrigendum 1

*Recommendation: Approve new PAR until December 2015*

**IEEE Power and Energy Society/Power System Communications**

**P487.4**
Standard for the Electrical Protection of Communication Facilities Serving Electric Supply Locations Through the Use of Neutralizing Transformers

*Recommendation: Approve new PAR until December 2015*

**P487.5**
Standard for the Electrical Protection of Communication Facilities Serving Electric Supply Locations Through the Use of Isolation Transformers

*Recommendation: Approve new PAR until December 2015*

**IEEE Power and Energy Society/Switchgear**

**PC37.30.3**
Standard Requirements for High Voltage Interrupter Switches, Interrupters or Interrupting Aids used on or attached to High Voltage Switches Rated for Alternating Currents above 1000 Volts

*Recommendation: Defer approval of new PAR to clarify information. Ted Olsen assigned as mentor*

**IEEE Power and Energy Society/Transformers**

**PC57.157**
Guide for Conducting Functional Life Tests for De-energized Tap-changer
Contacts

**Recommendation: Approve new PAR until December 2015**

*IEEE-SASB Coordinating Committees/SCC39 - International Committee on Electromagnetic Safety*

**P62704-4**

Standard for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz - 6 GHz: General Requirements for Using the Finite Element Method (FEM) for SAR Calculations and Specific Requirements for Modeling Vehicle-Mounted Antennas and Personal Wireless Devices

**Recommendation: Approve new PAR until December 2015**

**PARs for the Revision of Standards**

*IEEE Engineering in Medicine and Biology Society/IEEE 11073TM Standards Committee*

**P11073-20601**

Standard for Health Informatics - Personal Health Device Communication - Application Profile – Optimized Exchange Protocol

**Recommendation: Approve PAR for the revision of a standard until December 2015**

*IEEE Power and Energy Society/Insulated Conductors*

**PC62.22.1**

Guide for the Connection of Surge Arresters to Protect Insulated Shielded Electric Power Cable Systems Up to 46 kV

**Recommendation: Approve PAR for the revision of a standard until December 2015**

*IEEE Power and Energy Society/Power System Relaying*

**PC37.113**

Guide for Protective Relay Applications to Transmission Lines

**Recommendation: Approve PAR for the revision of a standard until December 2015**

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

**PC62.48**

Guide for Interactions Between Power System Disturbances and Surge Protective Devices

**Recommendation: Defer approval of PAR for the revision of a standard due to an outstanding comment**
IEEE Power and Energy Society/Switchgear

PC37.30.4
Standard for Test Code for Switching and Fault Making Tests for High Voltage Interrupter Switches, Interrupters or Interrupting Aids used on or attached to High Voltage Switches Rated for Alternating Currents Above 1000 Volts.

**Recommendation:** Defer approval of PAR for the revision of a standard until it is brought into synch with PC37.30.3. Ted Olsen assigned as mentor

PC37.60
Standard for High-voltage switchgear and controlgear - Part 111: Automatic Circuit Reclosers and Fault Interrupters for Alternating Current Systems Up to 38 kV

**Recommendation:** Approve Modified PAR [PAR was originally submitted as a revision PAR. It has been changed to and approved as a modified PAR but can not be moved to correct PAR type on agenda due to system issue]

PC37.100.1
Standard of Common Requirements for High Voltage Power Switchgear Rated Above 1000 V

**Recommendation:** Approve PAR for the revision of a standard until December 2015

IEEE Power and Energy Society/Transformers

P1276
Guide for the Application of High-Temperature Insulation Materials in Liquid-Immersed Power Transformers

**Recommendation:** Defer approval of PAR for the revision of a standard due to an outstanding comment

PC57.12.36
Standard Requirements for Liquid-Immersed Distribution Substation Transformers

**Recommendation:** Approve PAR for the revision of a standard until December 2015

PC57.12.37
Standard for the Electronic Reporting of Distribution Transformer Test Data

**Recommendation:** Approve PAR for the revision of a standard until December 2015

PC57.12.59
Guide for Dry-Type Transformer Through-Fault Current Duration

**Recommendation:** Approve PAR for the revision of a standard until
December 2015

PC57.32
Standard Requirements, Terminology, and Test Procedures for Neutral Grounding Devices
Recommendation: Approve PAR for the revision of a standard until December 2015

PC57.134
Guide for Determination of Hottest-Spot Temperature in Dry-Type Transformers
Recommendation: Approve PAR for the revision of a standard until December 2015

IEEE-SASB Coordinating Committees/SCC04 - Electrical Insulation

P98
Standard for the Preparation of Test Procedures for the Thermal Evaluation of Solid Electrical Insulating Materials
Recommendation: Approve PAR for the revision of a standard until December 2015

PARS FOR ADMINISTRATIVE WITHDRAWAL

P1780 AES/GA
Standard Specification Format Guide and Test Procedure for Inertial Measurement Units (IMU)

P1700 C/IA
Standard for Information System Security Assurance Architecture (ISSAA)

P802.11mb C/LM
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: Accumulated maintenance changes

P1003.27 C/PA
Information technology-- POSIX(R) C++ Language Interfaces-- Binding for System Application Program Interface (API)

1723 C/S2ESC
Standard for SOA (Service-Oriented Architecture) Solution Reference Architecture

P1244.2 C/SS
Standard for Media Management System (MMS) Session Security,
Authentication, Initialization Protocol (SSAIP)

**P1244.3** C/SS
Standard for Media Management System (MMS) Media Management Protocol (MMP)

**P1244.4** C/SS
Standard for Media Management System (MMS) Drive Management Protocol (DMP)

**P1244.5** C/SS
Standard for Media Management System (MMS) Library Management Protocol (LMP)

**P11073-30503** EMB/11073
Standard for Health informatics - Point-of-care medical device communication - Transport profile - RF wireless - Local area network (wLAN)

**P1642** EMC/SDCom
Recommended Practice for Protecting Public Accessible Computer Systems from Intentional EMI

**P1095** PE/ED&PG
Guide for the Installation of Vertical Generators and Generator/Motors for Hydroelectric Applications

**P1719** PE/EM
Guide for Evaluating Stator Cores of AC Synchronous Electric Machines Rated 1 MVA and Higher

**P622** PE/NPE
Recommended Practice for the Design and Installation of Electric Heat Tracing Systems for Nuclear Power Generating Systems

**PC37.237** PE/PSR
Recommended Practice for Time Tagging of Power System Protection Events

**P1127a** PE/SUB
IEEE Guide for the Design, Construction, and Operation of Electric Power Substations for Community Acceptance and Environmental Compatibility - Amendment to remove references to Substation Slide Library

**PC37.68** PE/SWG
Guide for the Requirements for Microprocessor-Based Controls for Distribution Pole-Mount and Padmount Switchgear Rated above 1kV up to 38kV
P1547.5 SASB/SCC21
Guide for Technical Guidelines