

**IEEE-SA Standards Board**  
**New Standards Committee (NesCom)**  
**Recommendations**  
**09-Dec-2008**

NesCom submits the following recommendations to the IEEE-SA Board. Except where noted, all votes were unanimous.

Withdrawal Requests

*IEEE Computer Society/Microprocessor Standards Committee*

**1796**

Standard for Resilient Backplane Ring (RBR)

***Recommendation: Approve withdrawal at the request of sponsor***

**1896**

Standard for Scalable Memory Interface

***Recommendation: Approve withdrawal at the request of sponsor***

**1953**

Standard for Bioinformatics Data Structures Framework and Overview

***Recommendation: Approve withdrawal at the request of sponsor***

**1953.1**

Standard for Sequence Ontology

***Recommendation: Approve withdrawal at the request of sponsor***

**1953.2**

Standard for Bioinformatics Standards for Flow Cytometry

***Recommendation: Approve withdrawal at the request of sponsor***

*IEEE Industry Applications Society/Power Systems Engineering*

**241**

Recommended Practice for Electrical Systems in Commercial Buildings

***Recommendation: Approve withdrawal at the request of sponsor***

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

**1451.6**

Standard for A Smart Transducer Interface for Sensors and Actuators - A High-speed CANopen-based Transducer Network Interface for Intrinsically Safe and Non-intrinsically Safe Applications.

***Recommendation: Approve withdrawal at the request of sponsor***

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

**1390.1**

Standard for Utility Telemetry Service Transport Profile Protocols for Switched Telephone Network

***Recommendation: Approve withdrawal at the request of sponsor***

Modified PARs

*IEEE Industry Applications Society/Petroleum & Chemical Industry*

**45**

Recommended Practice for Electrical Installations on Shipboard

***Recommendation: Approve modified PAR until December 2009***

**1068**

Standard for the Repair and Rewinding of AC Electric Motors in the Petroleum, Chemical and Process Industries

***Recommendation: Approve modified PAR until December 2009***

*IEEE Power & Energy Society/Insulated Conductors*

**1185**

Recommended Practices for Cable Installation in Generating Stations and Industrial Facilities

***Recommendation: Approve modified PAR until December 2010***

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

**C62.64**

Standard Specifications for Surge Protectors Used in Low-Voltage Data, Communications, and Signaling Circuits

***Recommendation: Approve modified PAR until December 2009***

*IEEE Power & Energy Society/Transmission and Distribution*

**516**

Guide for Maintenance Methods on Energized Power Lines

***Recommendation: Approve modified PAR until December 2009***

*IEEE Power & Energy Society/Transformers*

**C57.123**

Guide for Transformer Loss Measurement

***Recommendation: Approve modified PAR until December 2011***

***Vote: 8 approvals, 1 abstention***

**C57.142**

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

***Recommendation: Approve modified PAR until December 2011***

Extension Requests

*IEEE Computer Society/Microprocessor Standards Committee*

**1596a**

Amendment to Standard for Scalable Coherent Interface (SCI)

***Recommendation: Approve an extension until December 2009***

**1639**

Standard for Transmission of Musical Instrument Digital Interface (MIDI) Data Within Local Area Networks: Distributed MIDI - DMIDI

***Recommendation: Approve an extension until December 2009***

*IEEE Computer Society/Software & Systems Engineering Standards Committee*

**1016**

Standard for Information Technology-Systems Design-Software Design Descriptions

***Recommendation: Approve an extension until December 2009***

*IEEE Computer Society/Test Technology*

**1450**

Standard Test Interface Language (STIL) for Digital Test Vectors

***Recommendation: Approve an extension until December 2010***

#### **1450.4**

Standard for Extensions to Standard Test Interface Language (STIL) (IEEE Std. 1450-1999) for Test Flow Specification

***Recommendation: Approve an extension until December 2010***

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

#### **11073-10102**

Standard for Health informatics - Point-of-care medical device communication - Nomenclature - Annotated ECG

***Recommendation: Approve an extension until December 2009***

#### **11073-10103**

Standard for Health informatics - Point-of-care medical device communication - Nomenclature - Implantable device, cardiac

***Recommendation: Approve an extension until December 2009***

#### **11073-20301**

Standard for Health informatics - Point-of-care medical device communication - Application Profile - Optional package, remote control

***Recommendation: Approve an extension until December 2009***

*IEEE Electromagnetic Compatibility Society/Standards Development Committee*

#### **1309a**

Amendment 1 to IEEE Standard Method for the Calibration of Electromagnetic Field Sensors and Field Probes, Excluding Antennas, from 9 kHz to 40GHz: Probe Characteristics, Use and Measurement Uncertainty: Probe Use

***Recommendation: Approve an extension until December 2010***

*IEEE Industry Applications Society/Petroleum & Chemical Industry*

#### **1068**

Standard for the Repair and Rewinding of AC Electric Motors in the Petroleum, Chemical and Process Industries

***Recommendation: Approve an extension until December 2009***

#### **1580**

Recommended Practice for Marine Cable for use on Shipboard and Fixed or Floating Facilities

***Recommendation: Approve an extension until December 2009***

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

#### **1451.1**

Standard for A Smart Transducer Interface for Sensors and Actuators Network Capable Application Processor (NCAP) Information Model

***Recommendation: Approve an extension until December 2009***

#### **1451.2**

Standard for a Smart Transducer Interface for Sensors and Actuators - Transducer to Microprocessor Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats

***Recommendation: Defer until January Continuous Processing Meeting to resolve registration issue questions and copyright issue.***

***Vote: 6 approvals, 2 abstentions***

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

#### **1020**

Guide for Control of Small (100 kVA to 5 MVA)Hydroelectric Power Plants

***Recommendation: Approve an extension until December 2009***

**1185**

Recommended Practices for Cable Installation at Generating Stations

***Recommendation: Approve an extension until December 2010***

**1299**

Guide for the Connection of Surge Arresters to Protect Insulated, Shielded Electric Power Cable Systems

***Recommendation: Approve an extension until December 2009***

**1637**

Guide to Select Terminations for Shielded Power Cables 5-46kV

***Recommendation: Approve an extension until December 2009***

**1659**

Standard for Connectors used in Underground Cable Splices and Terminations for Voltages of 5 to 35 kV

***Recommendation: Approve an extension until December 2010***

**1138**

Standard for Testing and Performance for Optical Ground Wire (OPGW) for use on Electric Utility Power lines

***Recommendation: Approve an extension until December 2009***

**1222**

Standard for All-Dielectric Self-Supporting Fiber Optic Cable

***Recommendation: Approve an extension until December 2010***

**1591.1**

Standard for Testing and Performance of Hardware for Optical Groundwire (OPGW)

***Recommendation: Approve an extension until December 2010***

***Vote: 8 approvals, 1 disapproval (Thompson)***

**1591.2**

Standard for Testing and Performance of Hardware for All-Dielectric Self-Supporting (ADSS) Fiber Optic Cable

***Recommendation: Approve an extension until December 2010***

***Vote: 8 approvals, 1 disapproval (Thompson)***

**1591.3**

Standard for Qualifying Hardware for Helically-Applied Fiber Optic Cable Systems (WRAP Cable)

***Recommendation: Approve an extension until December 2010***

***Vote: 8 approvals, 1 disapproval (Thompson)***

**1601**

Standard for Optical A.C. Current and Voltage Sensing Systems

***Recommendation: Approve an extension until December 2009***

**C62.33**

Standard Test Specifications for Varistor Surge-Protective Devices

***Recommendation: Approve an extension until December 2010***

***Vote: 8 approvals, 1 abstention***

**C62.35**

Standard Test Methods for Avalanche Junction Semiconductor Surge-Protective Device Components

***Recommendation: Approve an extension until December 2009***

***Vote: 8 approvals, 1 disapproval (Thompson)***

**C62.44**

Guide for the Application of Low-Voltage (1000 Volts rms or Less) Surge Protective Devices Used on Secondary Distribution Systems (Between the Transformer Low-Voltage Terminals and the Line Side of the Service Entrance Panel)

***Recommendation: Approve an extension until December 2009***

**C62.62**

Standard Test Specifications for Surge-Protective Devices (SPDs) for Use on the Load Side of the Service Equipment in Low-Voltage (1000 V and Less) AC Power Circuits

***Recommendation: Approve an extension until December 2010***

*IEEE Power & Energy Society/Substations*

**979**

Guide for Substation Fire Protection

***Recommendation: Approve an extension until December 2009***

*IEEE Power & Energy Society/Switchgear*

**C37.06**

Standard for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis - Preferred Ratings and Related

Required Capabilities for Voltages above 1000 Volts

***Recommendation: Approve an extension until December 2009***

*IEEE Power & Energy Society/Transmission and Distribution*

**519**

Recommended Practices and Requirements for Harmonic Control in Electric Power Systems

***Recommendation: Approve an extension until December 2010***

**977**

Guide to Installation of Foundations for Transmission Line Structures

***Recommendation: Approve an extension until December 2009***

**1048**

Guide for Protective Grounding of Power Lines

***Recommendation: Approve an extension until December 2009***

**1654**

Guide for RF Protection of Personnel Working in the Vicinity of Wireless Communications Antennas Attached to Electric Power Line Structures

***Recommendation: Approve an extension until December 2009***

**1656**

Guide for Testing the Electrical, Mechanical, and Durability Performance of Wildlife Protective Devices on Overhead Power Distribution Systems Rated up to 38kV

***Recommendation: Approve an extension until December 2009***

*IEEE Power & Energy Society/Transformers*

**C57.12.10**

Standard Requirements for Liquid-Immersed Power Transformers

***Recommendation: Approve an extension until December 2009***

**C57.100**

Standard Test Procedure for Thermal Evaluation of Insulation Systems for Liquid-Immersed Distribution and Power Transformers

***Recommendation: Approve an extension until December 2010***

**C57.150**

Guide for the Transportation of Transformers and Reactors Rated 10,000 kVA or larger

***Recommendation: Approve an extension until December 2010***

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

**1547.5**

Guide for Technical Guidelines for Interconnection of Electric Power Sources Greater than 10MVA to the Power Transmission Grid

***Recommendation: Approve an extension until December 2010***

*IEEE-SASB Coordinating Committees/SCC38 - Voting System Engineering*

**1622**

Standard for Voting Equipment Electronic Data Interchange

***Recommendation: Approve an extension until December 2010***

*IEEE Vehicular Technology Society/Intelligent Transportation Systems*

**1512.4**

Standard for Common Traffic Incident Management Message Sets for Use in Entities External to Centers

***Recommendation: Defer until January Continuous Processing Meeting to give time for staff to follow up with Project Plan and determine status of legal deadlock***

***Vote: 8 approvals, 1 abstention***

*IEEE Vehicular Technology Society/Rail Transit*

**1473**

Standard for Communications Protocol Aboard Passenger Trains

***Recommendation: Approve an extension until December 2009***

**1482**

Standard for Rail Vehicle Monitoring and Diagnostic Systems

***Recommendation: Approve an extension until December 2009***

**1544**

Standard for Transit Communications Interface Profiles (TCIP) for Railcar Basic Operating Unit Interoperability Data Element Definitions

***Recommendation: Approve an extension until December 2009***

**1626**

Standard for dc Overhead Contact System Insulation Requirements for Transit Systems

***Recommendation: Approve an extension until December 2010***

**1627**

Standard for Grounding Practices for dc Electrification Overhead Contact Systems, Including Application of Lightning Arresters, for Transit Systems

***Recommendation: Approve an extension until December 2009***

**1628**

Recommended Practice for Maintenance for dc Overhead Contact Systems for Transit Systems

***Recommendation: Approve an extension until December 2009***

**1629**

Standard for Performance of dc Overhead Current Collectors for Transit Vehicles

***Recommendation: Approve an extension until December 2009***

**1630**

Standard for Supporting Structures for Overhead Contact Systems for Transit Systems

***Recommendation: Approve an extension until December 2009***

**1653.1**

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

***Recommendation: Approve an extension until December 2009***

**1653.2**

Standard for Uncontrolled Traction Power Rectifiers for Substation Applications up to 1500 Volts dc Nominal Output

***Recommendation: Approve an extension until December 2009***

**1653.4**

Standard for dc Traction Power System Field Testing and Acceptance Criteria for System Applications up to 1500 Volts dc Nominal

***Recommendation: Approve an extension until December 2009***

New PARs

*IEEE-SA Board of Governors/Corporate Advisory Group*

**1888**

Standard for Ubiquitous Green Community Control Network Protocol

***Recommendation: Approve new PAR until December 2012***

*IEEE Computer Society/Local and Metropolitan Area Networks*

**802.11ad**

IEEE 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 Very High Throughput in the 60 GHz Band

***Recommendation: Approve new PAR until December 2012***

**802.15.4f**

IEEE Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 15.4: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Low Rate Wireless Personal Area Networks (WPANs) - Amendment: Active Radio Frequency Identification (RFID) System Physical Layer (PHY)

***Recommendation: Approve new PAR until December 2012***

***Vote: 5 approvals, 3 disapprovals, 1 abstention***

**802.15.4g**

IEEE Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 15.4: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Low Rate Wireless Personal Area Networks (WPANs) - Amendment: Physical Layer(PHY) Specifications for Low Data Rate Wireless Smart Metering Utility Networks

***Recommendation: Approve new PAR until December 2012***

***Vote: 8 approvals, 1 abstention***

**802.15.7**

Physical (PHY) and Medium Access Control (MAC) Layer Standard for Short-Range Wireless Optical Communication Using Visible Light

***Recommendation: Approve new PAR until December 2012***  
***Vote: 8 approvals, 1 disapproval (Thompson)***

**802.20a**

IEEE Standard for Local and Metropolitan Area Networks  
Part 20: Air Interface for Mobile Broadband Wireless Access Systems Supporting Vehicular Mobility - Physical and Media Access Control Layer Specification - Amendment: Management Information Base Enhancements and Corrigenda Items

***Recommendation: Approve new PAR until December 2012***

**802.21a**

Standard for Local and Metropolitan Area Networks: Media Independent Handover Services - Amendment for Security Extensions to Media Independent Handover Services and Protocol

***Recommendation: Approve new PAR until December 2012***

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

**11073-10406**

Standard for Health informatics - Personal health device communication - Device specialization Basic Electrocardiograph(ECG) (1 to 3-lead ECG)

***Recommendation: Approve new PAR until December 2012***

**11073-10418**

Standard for Health informatics - Personal health device communication - Device specialization International normalized ratio (INR) monitor

***Recommendation: Approve new PAR until December 2012***

**11073-10419**

Standard for Health informatics - Personal health device communication - Device specialization Insulin pump

***Recommendation: Approve new PAR until December 2012***

**11073-10420**

Standard for Health informatics - Personal health device communication - Device specialization Body composition analyzer

***Recommendation: Approve new PAR until December 2012***

**11073-10421**

Standard for Health informatics - Personal health device communication - Device specialization Peak expiratory flow monitor (peak flow)

***Recommendation: Approve new PAR until December 2012***

*IEEE Industry Applications Society/Petroleum & Chemical Industry*

**45.1**

Recommended Practice for Electrical Installations on Shipboard Design

***Recommendation: Approve new PAR until December 2012***

**45.2**

Recommended Practice for Electrical Installations on Shipboard Controls and Automation

***Recommendation: Approve new PAR until December 2012***

**45.3**

Recommended Practice for Electrical Installations on Shipboard Systems Integration

***Recommendation: Approve new PAR until December 2012***

**45.4**

Recommended Practice for Electrical Installations on Shipboard Marine Sectors and Mission Systems

***Recommendation: Approve new PAR until December 2012***

**45.5**

Recommended Practice for Electrical Installations on Shipboard Safety Considerations

***Recommendation: Approve new PAR until December 2012***

**45.6**

Recommended Practice for Electrical Installations on Shipboard Electrical Testing

***Recommendation: Approve new PAR until December 2012***

*IEEE Power & Energy Society/Power System Relaying*

**C37.110-2007/Cor 1**

IEEE Guide for the Application of Current Transformers Used for Protective Relaying Purposes - Corrigendum 1: Corrections to Equation 18 and Equation 19

***Recommendation: Approve new PAR until December 2012***

**C37.239**

Standard Common Format for Event Data Exchange (COMFEDE) for Power Systems

***Recommendation: Approve new PAR until December 2012***

*IEEE Power & Energy Society/Switchgear*

**C37.13.1a**

IEEE Standard for Definite Purpose Switching Devices for Use in Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear - Amendment: Revise Short-Circuit Rating and Test Requirement

***Recommendation: Approve new PAR until December 2012***

*IEEE Vehicular Technology Society/Intelligent Transportation Systems*

**1609.11**

Standard for Wireless Access in Vehicular Environments (WAVE) - Over-the-Air Data Exchange Protocol for Intelligent Transportation Systems (ITS)

***Recommendation: Approve new PAR until December 2012***

PARs for the Revision of Standards

*IEEE Computer Society/Local and Metropolitan Area Networks*

**802.11**

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

***Recommendation: Approve PAR for the revision of a standard until December 2012***

*IEEE Industry Applications Society/Cement Industry*

**499**

Recommended Practices for Cement Plant Electric Drives and Related Electrical Equipment

***Recommendation: Approve PAR for the revision of a standard until December 2012***

*IEEE Nanotechnology Council/Standards Committee*

**1650**

Standard Test Methods for Measurement of Electrical Properties of Carbon Nanotubes

***Recommendation: Approve PAR for the revision of a standard until December 2012***

*IEEE Power & Energy Society/Electric Machinery*

**1310**

Recommended Practice for Thermal Cycle Testing of Form-Wound Stator Bars and Coils for Large Rotating Machines

***Recommendation: Approve PAR for the revision of a standard until December 2012***

*IEEE Power & Energy Society/Transformers*

**C57.637**

IEEE Guide for the Reclamation of Insulating Oil and Criteria for Its Use

***Recommendation: Approve PAR for the revision of a standard until December 2012***

*IEEE Vehicular Technology Society/Rail Transit*

**1477**

Standard for Passenger Information System for Rail Transit Vehicles

***Recommendation: Approve PAR for the revision of a standard until December 2012***