IEEE-SA Standards Board New Standards Committee (NesCom) Meeting Minutes

04 December 2012
9:00 am – 12:00 pm
Piscataway, NJ USA

Members Present:
Peter Balma
Wael Diab
Michael Janezic
Young Kyun Kim
Oleg Logvinov
Raj Madhavan
Ted Olsen
Jon Rosdahl, Chair
Curtis Siller
Adrian Stephens
Jerry Thrasher
Yatin Trivedi
Don Wright
Yu Yuan

Guests:
Dick DeBlasio
Jim Hughes
John Kulick
Paul Nikolich
Ron Petersen
Mike Seavey

Staff:
Kathryn Bennett
Tricia Gerdon
Krista Gluchoski
Lloyd Green
Jodi Haasz
Mary Ellen Hanntz
Michael Horgan
Soo Kim
Mike Kipness
Bob LaBelle
Gregory Marchini
Karen McCabe
Mary Lynne Nielsen
Lisa Perry
Walter Pienciak
Ana Sainvilus
Erin Spiewak
Ravi Subramaniam
Joan Woolery
Lisa Yacone – Administrator
Malia Zaman

1. CALL TO ORDER
Jon Rosdahl, Chair, called the meeting to order at 9:02 a.m. Introductions were made around the room.

[All votes are unanimous, unless otherwise stated.]

2. REVIEW AND APPROVAL OF AGENDA
A motion was made and seconded to approve the agenda [Version #4 at the time of the meeting]. Upon vote, the motion was approved.
2.1 Consent Agenda

2.1.1 Withdrawal Requests

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

PC62.69
Standard Specifications for Self-Restoring Current Limiter Components Used in Telecommunication Surge Protectors
Recommendation: Approve PAR withdrawal

IEEE Power and Energy Society/Switchgear

PC37.20.8
Standard for Metal-Enclosed Low-Voltage (3200V and below) Direct Current Power Circuit Breaker Switchgear for Traction Power Applications
Recommendation: Approve PAR withdrawal

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.5
Standard for Wireless Access in Vehicular Environments (WAVE) - Communication Manager
Recommendation: Approve PAR withdrawal

2.1.2 PARs to be Administratively Withdrawn

The following list of PARs were recommended for Administrative Withdrawal as part of the consent agenda:

P1631 (BTS/RFTech)
Recommended Practice for Measurement of 8-VSB Digital Television Transmission Mask Compliance for the USA (Revision PAR)

P1484.12.4 (C/LT)
Standard for Resource Description Framework (RDF) binding for Learning Object Metadata data model (New PAR)

P1484.12.5 (C/LT)
Standard for Resource Description Framework (RDF) Vocabulary for IEEE Learning Object Metadata (LOM) Data Elements (New PAR)

P1363 (C/MSC)
Standard Specifications for Public Key Cryptography (Revision PAR)

P1596 (C/MSC)
Standard for Scalable Coherent Interface (SCI) (Revision PAR)
P1450.2 (C/TT)
Standard for Extensions to Standard Test Interface Language (STIL) for DC Level Specification (Revision PAR)

P499 (IAS/CI)
Recommended Practices for Cement Plant Electric Drives and Related Electrical Equipment (Revision PAR)

P576 (IAS/PCI)
Recommended Practice for Installation, Termination, and Testing of Insulated Power Cable as Used in Industrial and Commercial Applications (Revision PAR)

P1714 (IAS/PCI)
Recommended Practice for Industrial Uninterruptible Power Supply (UPS) Systems (New PAR)

P387 (PE/NPE)
Standard Criteria for Diesel-Generator Units Applied as Standby Power Supplies for Nuclear Power Generating Stations (Revision PAR)

P1715 (PE/PSIM)
Guide for Power Measurements Under Low Power Factor Conditions (New PAR)

P1375 (PE/SB)
Guide for the Protection of Stationary Battery Systems (Revision PAR)

PC62.23 (PESPDHV)
Application Guide for Surge Protection of Electric Generating Plants (Revision PAR)

PC62.42 (PE/SPDLV)
Guide for the Application of Component Surge-Protective Devices for Use in Low-Voltage [Equal to Or Less Than 1000 V (ac) Or 1200 V (dc)] Circuits (Revision PAR)

P1413.1 (RS/SC)
Guide for Developing and Assessing Reliability Predictions Based on IEEE Standard 1413 (Revision PAR)

P1193 (UFFC/UFFC)
Guide for Measurement of Environmental Sensitivities of Standard Frequency Generators (Revision PAR)

P1477 (VT/RTSC)
Standard for Passenger Information System for Rail Transit Vehicles (Revision PAR)

2.1.3 PAR # Change Request – P1551.001 to P21451-001

Request approved as part of the consent agenda
2.1.4 Addition of Joint Sponsor to P1858
The BOG/CAG requested that COM/SDB be added as a joint sponsor to P1858.

Request approved as part of the consent agenda

3 Approval of Minutes from the 29 August 2012 Meeting
A motion was made, and seconded to approve the 29 August 2012 NesCom minutes. Upon vote, the motion passed.

4 PARS FOR DISCUSSION

4.1 Modified PARs

IEEE Computer Society/LAN/MAN Standards Committee

P802.3bj
IEEE Standard for Ethernet
Amendment: Physical Layer Specifications and Management Parameters for 100 Gb/s Operation Over Backplanes and Copper Cables
Recommendation: Approve modified PAR

IEEE Communications Society/Standards Development Board

P1903.1
Standard for Content Delivery Protocols of Next Generation Service Overlay Network (NGSON)
Recommendation: Approve modified PAR

P1903.2
Standard for Service Composition Protocols of Next Generation Service Overlay Network (NGSON)
Recommendation: Approve modified PAR

P1903.3
Standard for Self-Organizing Management Protocols of Next Generation Service Overlay Network (NGSON)
Recommendation: Approve modified PAR

P1907.1
Standard for Network-Adaptive Quality of Experience (QoE) Management Scheme for Real-Time Mobile Video Communications
Recommendation: Approve modified PAR
IEEE Power and Energy Society/Electric Machinery

**P117**
**Recommendation: Approve modified PAR**

4.2 Extension Requests

IEEE Computer Society/Design Automation

**P1735**
Recommended Practice for Encryption and Management of Electronic Design Intellectual Property (IP)
**Recommendation: Approve request for an extension until December 2013**

IEEE Computer Society/Microprocessor Standards Committee

**P1363.3**
Standard for Identity-Based Cryptographic Techniques using Pairings
**Recommendation: Approve request for an extension until December 2013**

IEEE Computer Society/Software & Systems Engineering Standards Committee

**P730**
Standard for Software Quality Assurance Processes
**Recommendation: Approve request for an extension until December 2013**

**P1062**
Recommended Practice for Software Acquisition
**Recommendation: Approve request for an extension until December 2014**

IEEE Computer Society/Simulation Interoperability Stds Organization/Std's Activities Committee

**P1278.2**
Standard for Distributed Interactive Simulation (DIS) - Communication Services and Profiles
**Recommendation: Approve request for an extension until December 2014**

IEEE Computer Society/Test Technology

**P1149.1**
Standard Test Access Port and Boundary Scan Architecture
**Recommendation: Approve request for an extension until December 2013**

**P1450.6.2**
Standard for Memory Modeling in Core Test Language (CTL)
Recommendation: Approve request for an extension until December 2013

P1687
Standard for Access and Control of Instrumentation Embedded within a Semiconductor Device
Recommendation: Approve request for an extension until December 2013

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

P11073-10201
Standard for Health informatics - Point-of-care medical device communication - Domain information model
Recommendation: Approve request for an extension until December 2014

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 2013

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P299.1
Standard Method for Measuring the Shielding Effectiveness of Enclosures and Boxes Having all Dimensions Between 0.1 m and 2 m
Recommendation: Approve request for an extension until December 2013

P1642
Recommended Practice for Protecting Public Accessible Computer Systems from Intentional EMI
Recommendation: Approve request for an extension until December 2013

P1688
Standard for Requirements for the Control of Electromagnetic Interference Characteristics of Replaceable Electronic Modules
Recommendation: Approve request for an extension until December 2013

IEEE Industry Applications Society/Petroleum & Chemical Industry

P45.1
Recommended Practice for Electrical Installations on Shipboard - Design
Recommendation: Approve request for an extension until December 2015

P45.3
Recommended Practice for Shipboard Electrical Installations - Systems Engineering
Recommendation: Approve request for an extension until December 2014
P45.4
Recommended Practice for Electrical Installations on Shipboard - Marine Sectors and Mission Systems
Recommendation: Approve request for an extension until December 2014

P45.5
Recommended Practice for Electrical Installations on Shipboard - Safety Considerations
Recommendation: Approve request for an extension until December 2014

P45.6
Recommended Practice for Electrical Installations on Shipboard - Electrical Testing
Recommendation: Approve request for an extension until December 2014

P1566
Standard for Performance of Adjustable Speed AC Drives Rated 375 kW and Larger
Recommendation: Approve request for an extension until December 2013

P1716
Recommended Practice for Managing Natural Disaster Impact on key electrical systems and installations in Petroleum and Chemical Facilities
Recommendation: Approve request for an extension until December 2013

IEEE Industry Applications Society/Technical Books Coordinating Committee

P3001.2
Recommended Practice for Evaluating the Electrical Service Requirements of Industrial and Commercial Power Systems
Recommendation: Approve request for an extension until December 2014

P3001.9
Recommended Practice for the Lighting of Industrial and Commercial Facilities
Recommendation: Approve request for an extension until December 2014

P3002.7
Recommended Practice for Conducting Motor-Starting Studies in Industrial and Commercial Power Systems
Recommendation: Approve request for an extension until December 2014

P3002.8
Recommended Practice for Conducting Harmonic-Analysis Studies of Industrial and Commercial Power Systems
Recommendation: Approve request for an extension until December 2014

P3002.9
Recommended Practice for Conducting Switching-Transient Studies of Industrial and Commercial Power Systems
Recommendation: Approve request for an extension until December 2014

P3003.1
Recommended Practice for the System Grounding of Industrial and Commercial Power Systems
Recommendation: Approve request for an extension until December 2014

P3003.2
Recommended Practice for Equipment Grounding and Bonding in Industrial and Commercial Power Systems
Recommendation: Approve request for an extension until December 2014

P3004.10
Recommended Practice for Generator Protection in Industrial and Commercial Power Systems
Recommendation: Approve request for an extension until December 2014

P3004.11
Recommended Practice for Bus and Switchgear Protection in Industrial and Commercial Power Systems
Recommendation: Approve request for an extension until December 2014

P3005.3
Recommended Practice for the Application of Stored-Energy Systems for use in Emergency and Stand-By Power Systems
Recommendation: Approve request for an extension until December 2014

P3005.4
Recommended Practice for Improving the Reliability of Emergency and Stand-By Power Systems
Recommendation: Approve request for an extension until December 2014

P3005.7
Recommended Practice for the Application of Metering for Energy Management of Industrial and Commercial Power Systems
Recommendation: Approve request for an extension until December 2014

P3006.9
Recommended Practice for Collecting Data for Use in Reliability, Availability, and Maintainability Assessments of Industrial and Commercial Power Systems
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 - Serial Point-to-Point Interface
Recommendation: Approve request for an extension until December 2013
IEEE Power and Energy Society/Energy Development & Power Generation

P1249
Guide for Computer Based Controls for Hydroelectric Power Plant Automation
Recommendation: Approve request for an extension until December 2013

IEEE Power and Energy Society/Electric Machinery

P117
Recommendation: Approve request for an extension until December 2013

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 2013

P848
Standard Procedure for the Determination of the Ampacity Derating Factor for Fire-Protected Cable Systems
Recommendation: Approve request for an extension until December 2013

P1659
Guide for Connectors Used In Underground Cable Joints and Terminations for Voltages of 5 - 35 kV
Recommendation: Approve request for an extension until December 2013

IEEE Power and Energy Society/Nuclear Power Engineering

P933
Guide for the Definition of Reliability Program Plans for Nuclear Generating Stations and Other Nuclear Facilities
Recommendation: Approve request for an extension until December 2013

IEEE Power and Energy Society/Power System Relaying

PC37.98
Standard for Seismic Qualification Testing of Protective Relays and Auxiliaries for Nuclear Facilities
Recommendation: Approve request for an extension until December 2013

PC37.236
Guide for Power System Protective Relay Applications over Digital Communication Channels
Recommendation: Approve request for an extension until December 2013

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 2013

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

PC62.34
Standard for Test Methods and Performance of Low-Voltage (1000 V 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 Equipment)
Recommendation: Approve request for an extension until December 2014

PC62.37.1
Guide for the Application of Thyristor Surge Protective Device Components
Recommendation: Approve request for an extension until December 2013

IEEE Power and Energy Society/Substations

P81
Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Grounding System
Recommendation: Approve request for an extension until December 2013

P837
Standard for Qualifying Permanent Connections Used in Substation Grounding
Recommendation: Approve request for an extension until December 2014

IEEE Power and Energy Society/Switchgear

PC37.11
Standard Requirements for Electrical Control for AC High-Voltage (>1000V) Circuit Breakers
Recommendation: Approve request for an extension until December 2013

PC37.20.3
Standard for Metal-Enclosed Interrupter Switchgear (1 kV-38 kV)
Recommendation: Approve request for an extension until December 2013

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 request for an extension until December 2013**

IEEE Power and Energy Society/Transmission and Distribution

**P519**
Recommended Practices and Requirements for Harmonic Control in Electric Power Systems

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

**P1048**
Guide for Protective Grounding of Power Lines

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

**P1726**

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

IEEE Power and Energy Society/Transformers

**P638**
Standard for Qualification of Class 1E Transformers for Nuclear Power Generating Stations

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

**PC57.152**
Guide for Diagnostic Field Testing of Fluid Filled Power Transformers, Regulators, and Reactors

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

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

**P1704**
Standard for Utility Industry End Device Communications Module

**Recommendation: Approve request for an extension until December 2014**

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

**P1528**
Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques

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

IEEE Vehicular Technology Society/Intelligent Transportation Systems
P1609.0
Guide for Wireless Access in Vehicular Environments (WAVE) - Architecture
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 2013

P1629
Standard for Performance of dc Overhead Current Collectors for Transit Vehicles
Recommendation: Approve request for an extension until December 2013

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 2013

P1791
Recommended Practice for Terminology Used for Direct Current Electric Transit Overhead Contact Systems
Recommendation: Approve request for an extension until December 2013

4.3 New PARs

IEEE Computer Society/LAN/MAN Standards Committee

P802.1Qbz
IEEE Standard for Local and metropolitan area networks--Media Access Control (MAC) Bridges and Virtual Bridged Local Area Networks
Amendment: Enhancements to Bridging of 802.11 Media Amendment
Recommendation: Approve new PAR until December 2016

P802.1Qca
IEEE Standard for Local and metropolitan area networks--Media Access Control (MAC) Bridges and Virtual Bridged Local Area Networks
Amendment: Path Control and Reservation
Recommendation: Approve new PAR until December 2016

P802.3bp
IEEE Standard for Ethernet
Amendment: Physical Layer Specifications and Management Parameters for 1 Gb/s Operation over Fewer than Three Twisted Pair Copper Cable
Recommendation: Approve new PAR until December 2016

P802.11ak
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 Transit Links Within Bridged Networks
**Recommendation: Approve new PAR until December 2016**

**P802.11aq**
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: Pre-Association Discovery
**Recommendation: Approve new PAR until December 2016**

**P802.15.4q**
IEEE Standard for Local and metropolitan area networks--Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs)
Amendment for an Ultra Low Power Physical Layer
**Recommendation: Approve new PAR until December 2016**

**P802.16r**
**Recommendation: Approve new PAR until December 2016**

[Michael Janezic recused himself]

IEEE Computer Society/Software & Systems Engineering Standards Committee

**P29119-5**
**Recommendation: Approve new PAR until December 2016**

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

**P11073-10301-1**
Health informatics - Point-of-care medical device communication - Part 10301-1: Device Specialization - Infusion pump, General
**Recommendation: Approve new PAR until December 2016**

**P11073-10302-1**
Health informatics - Point-of-care medical device communication - Part 10302-1: Device Specialization - Physiologic monitor, General
**Recommendation: Approve new PAR until December 2016**

**P11073-10303-1**
Health informatics - Point-of-care medical device communication - Part 10303-1: Device Specialization - Ventilator, General

**Recommendation: Approve new PAR until December 2016**

**P11073-20201**
Health informatics -- Point-of-care medical device communication -- Part 20201: Application profile – Polling mode

**Recommendation: Approve new PAR until December 2016**

**P11073-20202**
Health informatics -- Point-of-care medical device communication -- Part 20202: Application profile – Baseline asynchronous mode

**Recommendation: Approve new PAR until December 2016**

**P11073-20301**
Health informatics -- Point-of-care medical device communication -- Part 20301: Application profile – Optional package, remote control

**Recommendation: Approve new PAR until December 2016**

**P11073-20401**
Health informatics -- Point-of-care medical device communication -- Part 20401: Application profile – Common networking services

**Recommendation: Approve new PAR until December 2016**

IEEE Power and Energy Society/Power System Relaying

**PC37.237**
Standard Requirements for Time Tags Created by Intelligent Electronic Devices - COMTAG(TM)

**Recommendation: Approve new PAR until December 2016**

IEEE Power and Energy Society/Substations

**P2030.101**
Guide for Designing a Time Synchronization System for Power Substations

**Recommendation: Approve new PAR until December 2016**

IEEE Power and Energy Society/Transmission and Distribution

**P1882**
Guide for Establishing, Benchmarking, and Maintaining a Live Energized Working Program

**Recommendation: Conditionally approve new PAR until December 2016 contingent on "live energized transmission lines" being added to the title and purpose**

**PC57.12.60-2009/Cor 1**
IEEE Standard Test Procedure for Thermal Evaluation of Insulation Systems for Dry-
Type Power and Distribution Transformers, Including Open-Wound, Solid-Cast, and Resin-Encapsulated Transformers - Corrigendum 1

**Recommendation: Approve new PAR until December 2016**

### 4.4 PARs for the Revision of Standards

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

**P802.22.1**  
Standard for Information Technology--Telecommunications and information exchange between systems—Local and metropolitan area networks--Specific requirements Part 22.1: Standard to Enable Spectrum Sharing using Advanced Beaconing  
**Recommendation: Approve PAR for the revision of a standard until December 2016**

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

**P692**  
Standard Criteria for Security Systems for Nuclear Power Generating Stations  
**Recommendation: Approve PAR for the revision of a standard until December 2016**

**IEEE Power and Energy Society/Switchgear**

**PC37.20.1**  
Standard for Metal-Enclosed Low Voltage (1000Vac and below, 3200Vdc and below) Power Circuit Breaker Switchgear  
**Recommendation: Approve PAR for the revision of a standard until December 2016**

**PC37.23**  
Standard for Metal-Enclosed Bus  
**Recommendation: Approve PAR for the revision of a standard until December 2016**

**PC37.41**  
Standard Design Tests for High-Voltage (>1000 V) Fuses and Accessories  
**Recommendation: Approve PAR for the revision of a standard until December 2016**

**PC37.60**  
High-voltage switchgear and controlgear - Part 111: Automatic circuit reclosers and fault interrupters for alternating current systems up to 38 kV  
**Recommendation: Approve PAR for the revision of a standard until December 2016**
P1609.12
Standard for Wireless Access in Vehicular Environments (WAVE) - Identifier Allocations
Recommendation: Approve PAR for the revision of a standard until December 2016

5 OLD BUSINESS
There were no old business items for this agenda.

6 NEW BUSINESS
6.1 Deadline for responses to NesCom comments – Discussion – Don Wright
Don expressed a concern that last minute responses to comments and changes to the PAR led to confusion for the committee and potential errors on PARs. The committee agreed in principle but felt that NesCom convention # 8 “Timely Response to Comments” dealt sufficiently with the issue. The convention calls for comment responses to be submitted prior to the close of the “Open Review” period but leaves it to NesCom’s judgment to decide whether or not to allow a last minute comment response or change to the PAR. In order to re-emphasize the importance of timely submittal of comments responses during the NesCom Open Review Period, the Open Review period will be systematically reset to close 48 hours prior to the NesCom meeting.

6.2 myTools Update – Yacone/Marchini
Lisa pointed out to the committee that a downloadable blank PAR form in Word format, with instructions, was now available from the HELP link on the Submit a PAR page in myProject. This document was for use when drafting a PAR. The form cannot be uploaded into myProject.

Jon thanked Greg for his quick response to the request to fix the instructions in field 8.1 of the Modified PAR. As a follow up, he requested that a differentiation be made between text in 8.1 from the original PAR and text added for the modified PAR. Greg said he could look into this as a future enhancement.

Mike Janezic asked for an improvement in the ability to move back and forth between standards in the Comment Detail section.

There was also a request to have a delete feature within each myProject system notification.

AI: Mike Janezic will send Lisa an email explaining his request. Lisa will then add all three requests to the ticket system.
7 NEXT MEETING
The next NesCom Continuous Processing teleconference is scheduled for 18 January 2013. The submittal deadline for the agenda is 14 December 2012. This meeting will be the final responsibility of the 2012 NesCom Committee.

The next face to face meeting of NesCom is scheduled for 05 March 2013 in Piscataway, New Jersey, USA. The submittal deadline for the agenda is 24 January 2013.

8 ADJOURNMENT
There being no further business, the meeting was adjourned at 12:00 pm ET.