

**IEEE-SA STANDARDS BOARD MEETING
MINUTES
19 March 2009
IEEE Operations Center, Piscataway, New Jersey, USA
8:30 a.m. – 4:00 p.m.**

Attendance:

Chair:

Bob Grow

Vice Chair:

Tom Prevost

Past Chair:

Steve Mills

Secretary:

Judith Gorman

Members:

John Barr

Karen Bartleson

Victor Berman

Ted Burse

Dick DeBlasio

Andy Drozd

Mark Epstein

Alex Gelman

Jim Hughes

Rich Hulett

John Kulick

David Law

Ted Olsen

Glenn Parsons

Ron Petersen

Chuck Powers

Narayanan Ramachandran

Jon Rosdahl

Sam Sciacca

Howard Wolfman, TAB Representative

Satish Aggarwal, NRC Representative

Michael Janezic, NIST Representative

Members Absent:

Young Kyun Kim

Joseph Koepfinger, Member Emeritus

Staff:

Bill Ash
Kim Breitfelder
Matt Ceglia
Kathryn Cush
Terry deCourcelle
Tricia Gerdon
Rona Gertz
Jodi Haasz
Mary Ellen Hanntz
Yvette HoSang
Noelle Humenick
Karen Kenney
Soo Kim
Mike Kipness
Bob LaBelle
Juanita Lewis
Karen McCabe
Luigi Napoli
Mary Lynne Nielsen
Moirra Patterson
Dave Ringle, Recording Secretary
Ana Sainvilus
Jennie Steinhagen
Susan Tatiner
Cherry Tom
Sue Vogel
Jerry Walker
Lisa Yacone
Malia Zaman

Guests:

Chuck Adams
Stephen Bailey
Joe Daniels
Bob Davis
Chris Fitzgerald
John Harauz
Hung Ling
Jim Moore
Mike Seavey
Claire Topp, Legal counsel

1 Call to Order

Chair Grow called the meeting to order at 8:30 a.m. There was a round of introductions by all present.

2 Agenda

2.1 Approval of [Agenda](#)

There was a motion to approve the agenda. The motion was approved.

2.2 Consent Agenda

2.2.1 NesCom Recommendations

Withdrawal Requests

IEEE Computer Society/Software & Systems Engineering Standards Committee

P1644

Recommended Practice for Software Nomenclature - Software Naming Conventions for Application Software

Recommendation: Approve withdrawal at the request of Sponsor

IEEE Nanotechnology Council/Standards Committee

P1620.2

Standard Methods for the Characterization of Printed and Organic Diode Bridge Structures for RF Devices

Recommendation: Approve withdrawal at the request of Sponsor

IEEE-SASB Coordinating Committees/SCC41 - Dynamic Spectrum Access Networks

P1900.3

Standard for Assessing the Spectrum Access Behavior of Radio Systems Employing Dynamic Spectrum Access Methods

Recommendation: Approve withdrawal at the request of Sponsor

Modified PARs

IEEE Computer Society/Environmental Assessment Standards Committee

P1680.1

Standard for Environmental Assessment of Personal Computer Products, Including Notebook Personal Computers, Desktop Personal Computers, and Personal Computer Displays

Recommendation: Approve modified PAR until December 2011

IEEE Computer Society/Software & Systems Engineering Standards Committee

P1044

Standard Classification for Software Anomalies

Recommendation: Defer to May Continuous Processing with recommendation to remove figures and table from Scope

IEEE Instrumentation and Measurement Society/TC9 - Sensor Technology

P1451.7

Standard for a Smart Transducer Interface for Sensors and Actuators - Transducers to Radio Frequency Identification (RFID) Systems Communication Protocols and Transducer Electronic Data Sheet Formats

Recommendation: Approve modified PAR until December 2011

IEEE Power & Energy Society/Electric Machinery

P115

Guide for Test Procedures for Synchronous Machines Part I - Acceptance and Performance Testing Part II - Test Procedures and Parameter Determination for Dynamic Analysis

Recommendation: Approve modified PAR until December 2009

IEEE Power & Energy Society/Switchgear

PC37.30.1

Standard Requirements for High Voltage Air Switches for Alternating Current, Rated Above 1,000 Volts

Recommendation: Approve modified PAR until December 2009

New PARs

IEEE Computer Society/Microprocessor Standards Committee

P1394d

IEEE Standard for a High-Performance Serial Bus - Amendment: IEEE 1394 Single-mode Fiber Physical Medium (PMD) Specification

Recommendation: Approve new PAR until December 2013

IEEE Computer Society/Software & Systems Engineering Standards Committee

P1490

Standard for Project Management Lexicon in Support of Project Management Institute (PMI) Standard Project Management Body of Knowledge (PMBOK)-2008 (4th edition)

Recommendation: Defer until May Continuous Processing with request to change project from a Standard to a Guide

IEEE Computer Society/Test Technology

P1804

Standard for Fault Accounting and Coverage Reporting to Digital Modules (FACR)

Recommendation: Approve new PAR until December 2013 contingent upon WG contact information being added to 3.1

IEEE Microwave Theory and Techniques Society/Standards Coordinating Committee

P1802

Standard for Coaxial Connector Identification

Recommendation: Approve new PAR until December 2013

IEEE Nuclear and Plasma Sciences Society/Nuclear Instruments and Detectors

PN42.31

Standard for Measurement Procedures for Resolution and Efficiency of Wide-Bandgap Semiconductor Detectors of Ionizing Radiation

Recommendation: Approve new PAR until December 2013

IEEE Power & 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 new PAR until December 2013

IEEE Power & Energy Society/Transmission and Distribution

PC135.64

Guide for Slip and Pull-Out Strength Testing of Bolted Dead End Strain Clamps

Recommendation: Approve new PAR until December 2013

IEEE Power & 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 new PAR until December 2013

PC57.154

Standard for the Design, Testing and Application of Liquid-Immersed Distribution, Power and Regulating Transformers Using High-Temperature Insulation Systems and Operating at Elevated Temperatures

Recommendation: Approve new PAR until December 2013

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

P2030

Guide for Smart Grid Interoperability of Energy Technology and Information Technology Operation with the Electric Power System (EPS), and End-Use Applications and Loads

Recommendation: Approve new PAR until December 2013

IEEE-SASB Coordinating Committees/SCC41 - Dynamic Spectrum Access Networks

P1900.4.1

Standard for Interfaces and Protocols Enabling Distributed Decision Making for Optimized Radio Resource Usage in Heterogeneous Wireless Networks

Recommendation: Approve new PAR until December 2013

P1900.4a

Standard for Architectural Building Blocks Enabling Network-Device Distributed Decision Making for Optimized Radio Resource Usage in Heterogeneous Wireless Access Networks - Amendment: Architecture and Interfaces for Dynamic Spectrum Access Networks in White Space Frequency Bands

Recommendation: Approve new PAR until December 2013

IEEE Vehicular Technology Society/Rail Transit

P1474.4

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

Recommendation: Approve new PAR until December 2013

P1653.6

Recommended Practice for Grounding in Systems Supplying Direct Current Traction Power

Recommendation: Defer until May Continuous Processing due to lack of response to NesCom comments

PARs for the Revision of Standards

IEEE Power & Energy Society/Energy Development & Power Generation

P421.2

Guide for Identification, Testing, and Evaluation of the Dynamic Performance of Excitation Control Systems

Recommendation: Approve PAR for the revision of a standard until December 2013

IEEE Power & Energy Society/Electric Machinery

P43

Recommended Practice for Testing Insulation Resistance of Rotating Machinery

Recommendation: Approve PAR for the revision of a standard until December 2013

IEEE Power & Energy Society/Switchgear

PC37.10

Guide for Investigation, Analysis and Reporting of Power Circuit Breaker Failures

Recommendation: Approve PAR for the revision of a standard until December 2013

PC37.013

Standard for ac High Voltage (rated above 1000 V) Generator Circuit Breakers for Use with Generators Rated 10 MVA or More

Recommendation: Approve PAR for the revision of a standard until December 2013

PC37.016

Standard for AC High Voltage Circuit Switchers Rated 15.5kV through 245kV

Recommendation: Approve PAR for the revision of a standard until December 2013

IEEE Power & Energy Society/Transmission and Distribution

P1366

Guide for Electric Power Distribution Reliability Indices

Recommendation: Approve PAR for the revision of a standard until December 2013

2.2.2 RevCom Recommendations

NEW

P802.15.4c/D6 (C/LM) 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: Alternative Physical Layer Extension to Support One or More of the Chinese 314-316 MHz, 430-434 MHz, and 779-787 MHz Bands

Recommendation: APPROVE

P802.15.4d/D3 (C/LM) 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: Alternative Physical Layer Extension to Support the Japanese 950MHz Band

Recommendation: APPROVE

P802.15.5/D7 (C/LM) Recommended Practice for Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 15.5: Mesh Topology Capability in Wireless Personal Area Networks (WPANs)

Recommendation: APPROVE

P802.16j/D9 (C/LM) Standard for Local and Metropolitan Area Networks - Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems - Amendment: Multihop Relay Specification

Recommendation: Defer

There was a motion to defer consideration of P802.16j until P802.16 is considered.

P1636/D1.9 (SCC20) Trial-Use Standard for Software Interface for Maintenance Information Collection and Analysis

Recommendation: APPROVE

P1654/D5 (PE/T&D) Guide for RF Protection of Personnel Working in the Vicinity of Wireless Communications Antennas Attached to Electric Power Line Structures

Recommendation: APPROVE

P1801/D19 (BOG/CAG & C/DA) Standard for Design and Verification of Low Power Integrated Circuits

Recommendation: APPROVE

PC37.06/D10 (PE/SWG) 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: Disapprove [yes = 10; no = 0; abstain = 1 (Burse)]

There was a motion to recommend disapproval, and recommend that balloter Ken Edwards' comments be recirculated.

PC37.16/D16 (PE/SWG) Standard for Preferred Ratings, Related Requirements, and Application Recommendations for Low-Voltage AC (635V and Below) and DC (3200V and Below) Power Circuit Breakers

Recommendation: APPROVE [yes = 10; no = 0; abstain = 1]

REVISION

P516/D13 (PE/T&D) Guide for Maintenance Methods on Energized Power Lines

Recommendation: Disapprove

There was a motion to recommend disapproval, and to recommend that the scope in the PAR and draft be aligned.

P802.16/D9 (C/LM) Standard for Local and Metropolitan Area Networks - Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems

Recommendation: Disapprove

There was a motion to recommend disapproval, and to recommend that the purpose in the PAR and draft be aligned.

P841/D5 (IA/PCI) Standard for Petroleum and Chemical Industry - Premium Efficiency Severe Duty Totally Enclosed Fan-Cooled (TEFC) Squirrel Cage Induction Motors - Up to and Including 370 kW (500 hp)

Recommendation: APPROVE [yes = 9; no = 0; abstain = 1]

P1016/D9 (C/S2ESC) Standard for Information Technology - Systems Design - Software Design Descriptions

Recommendation: APPROVE

P1159/D12 (PE/T&D) Recommended Practice for Monitoring Electric Power Quality

Recommendation: APPROVE [yes = 9; no = 0; abstain = 2 (Barr, Rosdahl)]

PC57.12.23/D7 (PE/TR) Standard for Submersible Single-Phase Transformers: 167 kVA and Smaller; High Voltage 25 000 V and Below; Low Voltage 600 V and Below

Recommendation: APPROVE

PC62.22/D14 (PE/SPD/HV) Guide for the Application of Metal-Oxide Surge Arresters for Alternating-Current Systems

Recommendation: APPROVE

PC62.92.5/D5 (PE/SPDHV) Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part V - Transmission Systems and Subtransmission Systems

Recommendation: APPROVE

REAFFIRMATION

488.1-2003 (IM/AI) IEEE Standard for Higher Performance Protocol for the Standard Digital Interface for Programmable Instrumentation

Recommendation: APPROVE

1174-2000 (IM/AI) IEEE Standard Serial Interface for Programmable Instrumentation

Recommendation: APPROVE [yes = 8; no = 0; abstain = 3 (Sciacca recorded)]

C37.26-2003 (PE/SWG) IEEE Guide for Methods of Power Factor Measurement for Low-Voltage Inductive Test Circuits

Recommendation: APPROVE

C37.40-2003 (PE/SWG) IEEE Standard Service Conditions and Definitions for High-Voltage Fuses, Distribution Enclosed Single-Pole Air Switches, Fuse Disconnecting Switches, and Accessories

Recommendation: APPROVE [yes = 10; no = 0; abstain = 1]

C37.106-2003 (PE/PSR) IEEE Guide for Abnormal Frequency Protection for Power Generating Plants

Recommendation: APPROVE

C57.111-1989 (R2003) (PE/TR) IEEE Guide for Acceptance of Silicone Insulating Fluid and Its Maintenance in Transformers

Recommendation: APPROVE

C62.21-2003 (PE/SPDHV) IEEE Guide for the Application of Surge Voltage Protective Equipment on AC Rotating Machinery 1000 V and Greater
[And **C62.21-2003/Cor1-2008**]

Recommendation: APPROVE

STABILIZATION

1156.1-1993 (R2003) (C/MSC) IEEE Standard Microcomputer Environmental Specifications for Computer Modules

Recommendation: APPROVE [yes = 6; no = 2 (Diab recorded); abstain = 3 (Sciacca recorded)]

1156.2-1996 (R2003) (C/MSC) IEEE Standard for Environmental Specifications for Computer Systems

Recommendation: APPROVE [yes = 8; no = 0; abstain = 3 (Diab, Sciacca recorded)]

1284.1-1997 (R2003) (C/MSC) IEEE Standard for Information Technology - Transport Independent Printer/System Interface (TIP/SI)

Recommendation: APPROVE [yes = 6; no = 0; abstain = 5 (Diab, Gelman, Parsons, Rosdahl, Sciacca)]

1301.3-1992 (R2003) (C/MSC) IEEE Standard for a Metric Equipment Practice for Microcomputers - Convection-Cooled with 2.5 mm Connectors

Recommendation: APPROVE [yes = 7; no = 0; abstain = 4 (Diab, Parsons, Rosdahl, Sciacca)]

Maintenance List – March Update

C/LM

802.2-1989 (R2003) IEEE Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 2: Logical Link Control

[Also: **802.2a-1993 (R2003)**; **802.2b-1993 (R2003)**; **802.2c-1997(R2003)**; **802.2d-1993 (R2003)**; **802.2e-1993 (R2003)**; **802.2f-1997 (R2003)**; **802.2h-1997 (R2003)**]

Sponsor requests an extension until December 2010 to reaffirm. The reason for the extension request is that 802.2 is a necessary standard in the implementation of 802 conformant products and services. We (802) are investigating what needs to be done to stabilize at the ISO/IEC JTC1 level.

Recommendation: Extend until December 2010.

C/TT

1149.6-2003 IEEE Standard for Boundary-Scan Testing of Advanced Digital Networks

The Sponsor plans to submit a PAR for the Revision of a Standard to NesCom for the June 2009 meeting.

Recommendation: Extend until December 2009.

PE/ED&PG

122-1991 (R2003) IEEE Recommended Practice for Functional and Performance Characteristics of Control Systems for Steam Turbine-Generator Units

Sponsor states that they are planning to poll industry experts to decide whether to pursue stabilizing this standard or let it lapse. We would like a one-year extension to make this determination.

Recommendation: Extend until September 2009.

421.2-1990 IEEE Guide for Identification, Testing, and Evaluation of the Dynamic Performance of Excitation Control Systems

A PAR for the Revision of a Standard will be considered at the March NesCom meeting.

Recommendation: Extend until the expiration of the PAR for P421.2.

502-1985 (R1998) IEEE Guide for Protection, Interlocking, and Control of Fossil-Fueled Unit-Connected Steam Stations

Sponsor states that they are planning to poll industry experts to decide whether to pursue stabilizing this standard or let it lapse. We would like a one-year extension to make this determination.

Recommendation: Extend until September 2009.

505-1977 (R2001) IEEE Standard Nomenclature for Generating Station Electric Power Systems

Sponsor states that they are planning to poll industry experts to decide whether to pursue stabilizing this standard or let it lapse. We would like a one-year extension to make this determination.

Recommendation: Extend until September 2009.

665-1995 (R2001) IEEE Guide for Generating Station Grounding

Sponsor states that they are planning to poll industry experts to decide whether to pursue stabilizing this standard or let it lapse. We would like a one-year extension to make this determination.

Recommendation: Extend until September 2009.

958-2003 IEEE Guide for Application of AC Adjustable-Speed Drives on 2400 to 13,800 Volt Auxiliary Systems in Electric Power Generating Stations

Sponsor states that a reaffirmation ballot will be initiated, and requests an extension to complete balloting.

Recommendation: Extend until December 2009.

PE/T&D

524-2003 IEEE Guide to the Installation of Overhead Transmission Line Conductors

A reaffirmation ballot has been initiated.

Recommendation: Extend until December 2009.

951-1996 IEEE Guide to the Assembly and Erection of Metal Transmission Structures

A reaffirmation ballot has been initiated.

Recommendation: Extend until December 2009.

987-2001 IEEE Guide for Application of Composite Insulators

A reaffirmation ballot has been initiated.

Recommendation: Extend until December 2009.

1025-1993 (R1999) IEEE Guide to the Assembly and Erection of Concrete Pole Structures

A reaffirmation ballot has been initiated.

Recommendation: Extend until December 2009.

1124-2003 IEEE Guide for Analysis and Definition of DC Side Harmonic Performance of HVDC Transmission Systems

Sponsor requests an extension until the end of the year: "A 1 year extension was requested to allow time for the s/c to decide to reaffirm these standards. Since these standards had both just reached their 5 year life and no previous extensions had been requested, I thought requesting a 1-year extension was not unreasonable. The HVDC and FACTS s/c did not meet in January and has no meeting scheduled until the next PES General Meeting. We have no further information to offer to support our extension request."

Recommendation: Extend until September 2009.

1204-1997 (R2003) IEEE Guide for Planning DC Links Terminating at AC Locations Having Low Short-Circuit Capacities

Sponsor requests an extension until the end of the year: "A 1 year extension was requested to allow time for the s/c to decide to reaffirm these standards. Since these standards had both just reached their 5 year life and no previous extensions had been requested, I thought requesting a 1-year extension was not unreasonable. The HVDC and FACTS s/c did not meet in January and has no meeting scheduled until the next PES General Meeting. We have no further information to offer to support our extension request."

Recommendation: Extend until September 2009.

1217-2001 IEEE Guide for Preservative Treatment of Wood Distribution and Transmission Line Structures

A reaffirmation invitation has been initiated.

Recommendation: Extend until December 2009.

1366-2003 IEEE Guide for Electric Power Distribution Reliability Indices

A PAR for the revision of a standard has been submitted for the March NesCom meeting.

Recommendation: Extend until December 2009.

1531-2003 Guide for Application and Specification of Harmonic Filters

A reaffirmation ballot has been initiated.

Recommendation: Extend until December 2009.

C135.2-1999 IEEE Standard for Threaded Zinc-Coated Ferrous Strand-Eye Anchor Rods and Nuts for Overhead Line Construction

A reaffirmation ballot has been initiated.

Recommendation: Extend until December 2009.

C135.3-2001 IEEE Standard for Zinc-Coated Ferrous Lag Screws for Overhead Line Construction

A reaffirmation ballot has been initiated.

Recommendation: Extend until December 2009.

C135.20-1998 IEEE Standard for Zinc-Coated Ferrous Insulator Clevises for Overhead Line Construction

A reaffirmation ballot has been initiated.

Recommendation: Extend until December 2009.

PEL

1573-2003 IEEE Recommended Practice for Electronic Power Subsystems: Parameters, Interfaces, Elements, and Performance

The Sponsor requests an extension to allow time for a reaffirmation ballot. Sponsor anticipates balloting to take place during the Summer and be completed by the Fall.

Recommendation: Extend until December 2009.

2.2.3 AudCom Recommendations

Accepted (Standards work authorized):

NTC/SC – Nanotechnology Council

SASB/SCC14 – Quantities, Units, and Letter Symbols

C/LM – Computer Society/Local and Metropolitan Area Networks

VT/LT – Vehicular Transportation/Land Transportation

Visibly under development (Standards work authorized):

SASB/SCC40 - Earth Observation (continue)

SASB/SCC18 - National Fire Protection Association Standards (continue)

Under Review (Standards work not authorized):

None at this meeting

Not accepted (Standards work not authorized):

None at this meeting

2.2.4 Reconfirmation of Category D Liaisons

IEEE Committee	Organization	Contact
Electromagnetic Compatibility Society/Standards Development Committee	IEC SC77B - High frequency phenomena/WG10 - Immunity to radiated electromagnetic fields and to conducted disturbances induced by these fields	Zhong Chen
Industry Applications Society/Petroleum and Chemical Industry Technical Committee/IEEE P1713	IEC TC18 - Electrical installations of ships and of mobile and fixed offshore units/MT26 - PT60092-51	Kevin Peterson
Industry Applications Society/Petroleum and Chemical Industry Technical Committee	IEC TC31 - Electrical Apparatus for Explosive Atmospheres/MT 60079-15 & MT 60079-7	Paul Hamer/Rob Robertson
Nanotechnology Council/Standards Committee	IEC TC113 - Nanotechnology standardization for electrical and electronic products and systems/WG3 - Performance of Nanomaterials for Electrotechnical Components and Systems	Dan Gamota
Power Engineering Society/Energy Development & Power Generation Committee/Hydroelectric Power Subcommittee	IEC TC4 - Hydraulic Turbines	Randy Groves
Power Engineering Society/Insulated Conductors Committee	IEC TC20 - Electric Cables/WG16 - High voltage cables & WG18 - Burning characteristics of electric cables	Ken Bow
Power Engineering Society/Nuclear Power Engineering Committee	IEC SC45A - Instrumentation and Control of Nuclear Facilities	Satish Aggarwal

Power Engineering Society/Substations Committee/Data Acquisition, Processing, and Control Systems Subcommittee	IEC SC17C - High-Voltage Switchgear and Controlgear Assemblies/MT16 - Revision of IEC 60517	Hermann Koch
Power Engineering Society/Substations Committee/Gas Insulated Substations Subcommittee	IEC SC17C - High-Voltage Switchgear and Controlgear Assemblies/MT16 - Revision of IEC 60517	Hermann Koch
Power Engineering Society/Substations Committee/High Voltage Power Electronics Stations Subcommittee	IEC SC22F - Power Electronics for Electrical Transmission and Distribution Systems/MT9 - Maintenance Team for IEC 60700-1, Ed. 1	Hubert Bilodeau
Power Engineering/Surge Protective Devices Committee/Low Voltage Surge Protective Devices Subcommittee/WG 3.6.1 & WG 3.6.2	IEC SC 37B - Specific Components for Surge Arresters and Surge Protective Devices; MT1 - Standard Test Specification for Gas Discharge Tubes and Metal-Oxide Varistor Components that are used in Surge Protective Devices & MT2 - Standard Test Specification for Silicon Avalanche Diode and Thyristor Surge Suppressor Components that are used in Surge Protective Devices	Leonard Drewes
Power Engineering/Surge Protective Devices Committee/Bibliography & Definitions Subcommittee	IEC TC37 - Specific Components for Surge Arresters and Surge Protective Devices/WG11 - Harmonization of terms and definitions in the documents of technical committee No. 37 and its subcommittees 37A and 37B	David Jackson
Power Engineering Society/Surge Protective Devices Committee/Low Voltage Surge Protective Devices Subcommittee/WG3.6.4, WG3.6.6, WG3.6.7 & WG3.6.9	IEC SC37A - Low-Voltage Surge Protective Devices/WG3 - Selection and application principles for low-voltage surge protective devices, WG4 - Surge protective devices of telecommunication and signalling networks & WG5 - Low-voltage surge protection devices	Joseph Koepfinger
Power Engineering Society/Surge Protective Devices Committee/Low Voltage Surge Protective Devices Subcommittee/WG3.6.4	IEC TC81 - Lightning Protection/MT3 - IEC 62305-4: Protection against lightning – Part 4: Electrical and electronic systems within structures	Antony J. Surtees
Power Engineering Society/Switchgear Committee	IEC SC17A - High-Voltage Switchgear and Controlgear	Anne Bosma/Denis Dufournet
Power Engineering Society/Switchgear Committee	IEC SC17C - High-Voltage Switchgear and Controlgear/MT14 - Maintenance Team for medium voltage standards (IEC 60298, IEC 61330 and related standards)	Ted Burse
SCC39 - International Committee on Electromagnetic Safety/TC34 - Product Standards	IEC TC106 - Methods for the Assessment of Electric, Magnetic and Electromagnetic Fields Associated with Human Exposure/PT62209 - Human Exposure to Radio Frequency Fields from Handheld and Body-Mounted Wireless Communication Devices - Human models, Instrumentation, and Procedures	Ron Petersen

2.2.5 Approval of 2 Invited Experts for PC95.1a

Dr. John Bergeron, GE Research Labs [Retired]

Dr. David Black, MD, Environmedix

2.3 Request to Rescind Approval of Standard 605-2008 (PE/SUB)

Sponsor request:

“The Substations Technical Committee requests that the IEEE-SA Standards Board rescind the approval of IEEE Std. 605-2008, which was approved on 10 December 2008. During the publication process, significant and substantial technical errors were discovered by the Substation Bus Design Working Group, the source of this standard. Since these errors have been identified and this document has not been published, the Substation Technical Committee would like the opportunity to correct these errors in a recirculation.

If the approval is rescinded, we would also like to request that the revision PAR associated with this project be reinstated.

*Note: the revision PAR associated to this project had an expiration date of 31 December 2009.”

There was a motion:

Move that the IEEE-SA Standards Board delay the distribution and publishing of IEEE Std. 605-2008 and direct the Sponsor to address the technical concerns raised after the December approval through either a corrigendum or a revision project.

The motion was unanimously approved.

3 Election of the Vice Chair

There were two candidates in the election – Glenn Parsons and Tom Prevost.

Tom Prevost was re-elected as Vice Chair of the SASB.

4 Legal Update

Claire Topp informed the group that the U.S. Supreme Court had denied the FTC’s petition for Writ of Certiorari in the Rambus case.

Claire gave a presentation on ‘Fiduciary Duty of Loyalty and Conflicts of Interest’.

4.1 P1901 Issues [*Executive Session*]

The SASB entered Executive Session at 9:40 a.m. Executive Session concluded at 11:50 a.m.

Information that was reported out:

Recused members:

John Barr

Bob Grow

David Law

Chuck Powers

Approved motion:

Move to support Communications Society Standards Board’s establishment of a P1901 Oversight Committee; further the SASB supports the Oversight Committee’s establishment of a financial model to

address expenses in connection with this oversight, the cost of which will be levied on the IEEE P1901 working group.

5 Old Business

5.1 The minutes of the December 2008 meeting were approved on 20 February.

5.2 L-50S Report

Juanita Lewis gave a presentation.

Highlights:

- The L-50S report submission process is web based.
- Inclusive reporting option for Sponsors to provide information on working groups.
- L-50S reports are due by the end of March.
- SASB will be requested to take action in June for non-compliant groups.
- Reports due for 88 Sponsors. 46% return as of 19 March.
- Multiple follow-ups planned for non-responders.

5.3 NESC/NEC Update

Sue Vogel updated the SASB on the current status of the NEC/NESC Scope conflict issue.

Highlights:

- 26 June 2008 NESC Main Committee met to discuss the scope issue and approved a motion to support the efforts of the selected NESC representatives on the NEC/NESC Ad Hoc committee to work with the NFPA to resolve conflicts between the codes.
- 2008: Change proposals to harmonize the scopes were submitted to each Code.
- NESC Subcommittee 1 recommended approval of change proposals to its scope.
- NESC Chair Michael Hyland attended NEC Panel 1 meeting to present changes recommended to the NESC and NEC as part of the effort to address the conflict.
- All proposals to the scope and definitions of the NEC were rejected by the NEC CMP1; “does not enhance clarity or usability; inadequate substantiation; Ad Hoc did not reach consensus.”
- NESC Preprint to be issued on 1 September 2009 for public comment; comments due by 1 May 2010.
- NEC Report on Comment to be issued on 14 July 2009 for public comment; comments due 23 Oct 2009.
- Both committees to address comments received on all scope proposals and consider further recommendations.
- Meeting of the Ad Hoc to be held in 2Q 2009:
 - Discuss further review of the change proposals and why they were rejected by NEC Panel 1, including “substantiation, etc.”
 - Identify areas of agreement and path forward.
 - Opportunity for revisions to language in both Codes remains open via comment phase.

6 SASB Standing Committee Reports

6.1 Standards Review Committee (RevCom)

David Law, RevCom Chair, reported.

Highlights:

- 28 submittals reviewed this meeting; 24 approved.
- 7 submittals reviewed and approved via Early Consideration process earlier this year.

- The 5.4.3.1 Ad Hoc is making progress and may be able to submit its recommendations to ProCom for the June meeting.
- The Scope of Reaffirmations Ad Hoc has completed its work and will forward its recommendations to ProCom for the June meeting.
- The International Activities Ad Hoc has completed its work and the suggested changes to the submittal form and Working Guide will be implemented.
- The Working Guide will be further reviewed.
- Item 16 [submittal checklist] will be removed from the submittal form.
- The requirement to submit the PAR approval letter as part of a RevCom submittal has been removed.
- The myBallot instructional text for stabilization requirements has been updated by staff and will be reviewed by RevCom.

Dave Ringle reminded the SASB that it will be asked to respond to an email ballot on the RevCom recommendations that result from the RevCom Early Consideration teleconference in May and that 75% approval from the SASB will be required to consider the recommendations approved.

6.2 New Standards Committee (NesCom)

Tom Prevost, NesCom Chair, reported.

Highlights:

- 30 submittals reviewed this meeting; 27 approved.
- P2030, dealing with Smart Grid technology, was approved.
- Jim Moore gave a presentation ‘Practical Considerations in Joint Development of Standards with JTC1/SC7’. This was followed by a discussion of the practical implications of changing a PAR from Joint Development to an Adoption.
- An Ad Hoc was formed to discuss changes to NesCom conventions and recommendations to ProCom to cover process issues when dealing with international joint development projects.
- Removed Question 6.1.a from the PAR. Text will be added to the Sponsor Approval letter: “The working group responsible for this PAR shall make a call for patents and review the IEEE-SA patent material at every meeting. For information and instructions, please go to <http://standards.ieee.org/board/pat/pat-material.html>.”
- Note will be added to instructions for Revision PARs: “Review ‘Old Scope/Purpose’ statements to ensure any changes made in Amendments or Corrigenda have been captured and the complete Scope and Purpose are listed.”
- NesCom reviewed possible changes to International Area on the PAR. A decision was made to keep the questions as they are for now and staff will investigate various tools to capture the information effectively.
- NesCom Conventions were updated.

6.2.1 P1616a Extension Request

6.2.2 P1616a Modified PAR

NesCom recommendations:

Extension Requests

IEEE Vehicular Technology Society/Land Transportation

P1616a

IEEE Standard for Motor Vehicle Event Data Recorders (MVEDRs) - Amendment 1: Motor Vehicle Event Data Recorder Connector Lockout Apparatus (MVEDRCLA)

Recommendation: Approve request for an extension until December 2010 contingent upon SASB approving AudCom's recommendation of P&P approval for VT/LT

Modified PARs

IEEE Vehicular Technology Society/Land Transportation

P1616a

IEEE Standard for Motor Vehicle Event Data Recorders (MVEDRs) - Amendment 1: Motor Vehicle Event Data Recorder Connector Lockout Apparatus (MVEDRCLA)

Recommendation: Approve modified PAR until December 2010 contingent upon SASB approving AudCom's recommendation of P&P approval for VT/LT

There was a motion:

Move to approve the requests for a PAR extension and for a PAR modification to P1616a until December 2010.

The motion was unanimously approved.

6.3 Procedures Committee (ProCom)

Rich Hulett, ProCom Chair, reported.

Highlights:

- Copyright Ad Hoc: BOG did not approve the SASB Bylaws changes. Ad Hoc to continue working to address comments on the Bylaws and the FAQs. Implementation target of 31 March will need to be rescheduled.
- Obligations Ad Hoc: BOG did approve the SASB Bylaws changes. Ad Hoc to continue working to address comments on the myProject web page. Implementation target of 31 March will need to be rescheduled.
- Study Group Guidelines Ad Hoc still working; update expected in June.
- Reaffirmation Process Ad Hoc formed. Sam Sciacca to Chair. As starting point, will address concerns discussed in ProCom meeting and will review the reaffirmation process proposal that was discussed in 2008.

ProCom recommended approval of the following P&P changes:

- SASB OpMan RE: SCC10

“IEEE-SA Standards Board Operations Manual

5.4.4 Mandatory coordination

The Sponsor shall coordinate via circulation of drafts with the following entities:

- ~~SCC10 (Standards Coordinating Committee on Terms and Definitions)~~
- SCC14 (Standards Coordinating Committee on Quantities, Units, and Letter Symbols)
- IEEE Standards editorial staff

The Sponsor shall indicate the IEEE Registration Authority Committee (RAC) as a mandatory coordination entity when the draft is submitted for Sponsor ballot if

- The PAR indicates the possible registration of objects or numbers to be included in or used by the project;

- It becomes apparent through development of the draft that registration of objects or numbers will be included in or is used by the project;
- Requested by the RAC.

Comments from these entities shall be given appropriate consideration and response. At the time of project submittal to the IEEE-SA Standards Board for consideration for approval, the Sponsor shall supply the most recent coordination comments and indicate either acceptance or a request for a waiver (see 4.2.3.2).

RATIONALE:

“SCC10 was disbanded by the SASB in December 2008.”

- SASB Bylaws RE: Sponsor Activity Reports

“IEEE-SA Standards Board Bylaws

4.2.4 Audit Committee (AudCom)

4.2.4.1 Scope

This committee shall provide oversight of the procedures used in the standards-development activities of IEEE Standards Sponsors as defined by 5.2.2 and review of the procedures used by the Accredited Standards Committees for whom the IEEE serves as (co-)secretariat. **This committee shall also oversee the submission of Sponsor annual reports (See subclause 5.1.3 of the *IEEE SA Standards Board Operations Manual*).**

5.2.2.2 Sponsor responsibility/accountability

The Sponsor accepts responsibility for oversight of any of its assigned standards, including overseeing coordination, **and balloting, and making annual activity reports to the IEEE SA Standards Board.**

When the breadth of interest in a standard is great enough so that more than one technical committee wishes to have a role in its sponsorship, a joint committee of the two or more interested committees may be formed to sponsor the standard jointly. That joint committee, whose membership shall be determined by mutual agreement, shall assume all of the duties of the Sponsor (see 5.1.2 of the *IEEE-SA Standards Board Operations Manual*).

Changes in sponsorship of projects shall be approved by the IEEE-SA Standards Board.

RATIONALE:

The contents of the referred to subclause were removed from the SASB OpMan in 2006.”

- SASB OpMan RE: Copyright Permission

“IEEE-SA Standards Board Operations Manual

6.1.1 Project Authorization Request (PAR)

As part of the initial PAR procedure, the committee or working group shall appoint a chair who shall sign a Copyright Agreement acknowledging that the proposed standard constitutes a "work made for hire" as defined by the Copyright Act, and that as to any work not so defined, any rights or interest in the copyright

to the standards publication is transferred to the IEEE. Except as noted below, the IEEE is the sole copyright owner of all material included in the standard.

At the time of PAR completion, any previously copyrighted material intended for inclusion shall be identified. The working group is responsible for receiving written permission to use all copyrighted material prior to the start of **the initial** ballot **invitation** or prior to the next recirculation ballot if the excerpted material is inserted during comment resolution. Sample form letters are available in the *IEEE Standards Style Manual*.

RATIONALE:

Since, in most instances, it is the Mandatory Editorial Coordination (MEC) review which reveals the need for copyright permission releases not yet obtained by the working group, and the MEC usually occurs during ballot invitation, it is a more logical process flow to move the receipt period to prior to the initial ballot.”

The three changes were approved by unanimous consent.

6.4 Audit Committee (AudCom)

Ron Petersen, AudCom Chair, reported.

Highlights:

- There are 88 Sponsors. 82 have Accepted P&Ps; 2 have Visibly Under Development; 4 are without P&Ps.
- The Working Group P&P baseline will be effective on 31 March. Sponsors are expected to instruct their WGs to ensure that they have P&Ps and that they conform to the Baseline WG P&Ps. AudCom random audits of WG P&P will begin in June 2010.
- Sponsor P&P baseline document [merged Sponsor and SCC Type 2] recommended for SASB approval. Will be sent to SASB for approval consideration via email ballot. Expected effective date is 1 Jan 2010.
- Review of SCC Type 1 baseline to begin.
- AudCom will review PE/TR P&Ps on an expedited schedule, with the goal of final acceptance by the SASB in June.
- AudCom will start using the same submission deadlines as NesCom/RevCom.

AI - Remove C-EDA/SC from AudCom's list {Under Review}.

6.5 Patent Committee (PatCom)

Steve Mills, PatCom Chair, reported.

Highlights:

- 37 LoAs [and 1 Non-awareness statement] received.
- The ANSI Patent Group may be absorbed by the ANSI Intellectual Property Rights Policy Committee; ANSI is currently balloting this issue.

7 Standards Coordinating Committee Reports

7.1 SCC Coordinator's Report

John Kulick, SCC Coordinator, reported.

Highlights:

- New SCC upload site in place to streamline submission of reports (and minutes).
- Instituted a phased submission schedule for SCC annual reports to SASB. Goal is to balance the workload. Target is three reports per quarter.
- New SCC Chairs: SCC18 (Mel Sanders); SCC22 (Bill Moncrief); SCC41 (Hiroshi Harada).
- SCC18's report is an interim report.

7.2 Scheduled Reports Due in March:

- 7.2.1 SCC4 – Electrical Insulation (Paulette Payne Powell)
- 7.2.2 SCC18 – National Fire Protection Association Standards (Melvin Sanders)
- 7.2.3 SCC22 – Power Quality (Bill Moncrief)

There was a motion:

Move to accept the reports submitted by SCC4, SCC18, and SCC22.

The motion was unanimously approved.

8 Calendar Review

8.1 2009 Meeting Dates/Locations

Dave Ringle reminded the SASB that the next meeting will be held in Tokyo, Japan. The contract with the Tokyo Hilton had not yet been finalized. The meeting announcement will go out as soon as the contract is finalized; probably prior to 3 April.

8.2 2010 Draft Calendar

The SASB discussed the proposed dates for the 2010 meetings. Since the dates of the BOG meetings were not yet finalized and there might be an effort to co-locate with the BOG in June 2010, the SASB decided to defer this item until the June 2009 meeting for further disposition.

AI – Dave Ringle will seek additional input from the SASB members via email.

9 Ad Hoc Reports

9.1 myProject Ad Hoc Report

David Law stated that the Ad Hoc held one meeting so far this year and that the group had reviewed the ticketing system and the prioritization of work items.

9.2 Definitions Ad Hoc Report

Howard Wolfman reported.

Highlights:

- Ad Hoc goal: Present to the SASB a set of guidelines and best practices for IEEE Standards developing committees to use regarding definitions found in IEEE Standards. Ensure that the lists are flexible enough to accommodate variable levels of available resources.
- Consulted with seven standards developers active in standards definitions work.
- Prepared “Guidelines and Best Practices for the Creation and Maintenance of IEEE Standards Terms and Definitions”. Four topic areas: Creation of new terms and definitions; Revisions of existing terms and definitions; IEEE-SA Definitions Database; International harmonization. Also includes special suggestions for oversight at WG, committee, or Society/Sponsor level.

Ad Hoc Recommendation:

- The SASB forward the Ad Hoc Committee final report, including the Guidelines and Best Practices, to the SASB Procedures Committee for final review and disposition.

There was a motion:

Move that the SASB forward the Definitions Ad Hoc Committee final report, including the Guidelines and Best Practices, to the SASB Procedures Committee for final review and disposition.

The motion was unanimously approved.

The Definitions Ad Hoc is dissolved.

10 Liaison Reports

10.1 IEEE-ISTO Report

No report provided.

10.2 NIST Report

Michael Janezic, NIST Liaison, reported on NIST and Smart Grid activity, including NIST's draft Smart Grid Coordination Framework.

NIST has organized, in concert with the U.S. Department of Energy (DOE) and the Grid Wise Architecture Council (GWAC), the formation of Domain Expert Working Groups (DEWGs). The goal is to bring together various stakeholders in order to promote information sharing for the development of Smart Grid standards.

Current Working Groups:

- Buildings to Grid (B2G)
- Industrial to Grid (I2G)
- Home to Grid (H2G)
- Transmission & Distribution (T&D)
- Business and Policy (BnP)

10.3 DOE Report

Dick DeBlasio, DOE Liaison, reported that in the American Recovery and Reinvestment Act of 2009, there is \$4.5 billion appropriated for Smart Grid activities for the DOE to implement. In addition, \$10 million is allocated to NIST for development of an interoperability framework that will, in part, stimulate standards development through SDOs such as IEEE.

11 Informational Reports

11.1 IEEE BOD and IEEE-SA BOG Update

Chuck Adams, IEEE-SA President, reported.

Highlights:

- Eta Kappa Nu merger establishes a global IEEE Honorary.
- New IEEE Executive Director, Dr. E. James Prendergast, begins role on 6 April.
- SA BOG new programs: Compliance program and patent pool initiative.
- The Owning Board/Committee (OBC) for SCC38-related ER activity [TGDC Rep.] is the SASB.

11.2 Secretary's Report

Judy Gorman reported.

Highlights:

- Staff update: Recent promotions for Moira Patterson and Jennie Steinhagen. Reorganized SA Governance, with new roles for Rona Gertz, Dave Ringle, and Lisa Yacone.
- Strategic plan: The IEEE-SA will have robust and balanced lines of business that will reflect the full life cycle of standards; The IEEE-SA will work collaboratively with emerging technology communities to create an environment that leads to timely standardization; The IEEE-SA will provide a streamlined process for each state of consensus development; The IEEE-SA will be known for its successful standards education programs that serve diverse audiences; The IEEE-SA will be recognized worldwide as an international organization and will have strong global participation on all levels.

11.3 Chair's Report

Chair Grow thanked the SASB members for accepting their positions on the SASB and the standing committees.

11.4 CAG Report

Steve Mills, CAG Chair, reported.

Highlights:

- The CAG has one open slot [Contact Steve for additional information or to suggest a new member].
- March meeting in China. MOU with China Electronic Standards Institute (CESI). Outreach visits to China National Institute of Standards (CNIS); China Communications Standards Association (CCSA); Lenovo Corporation.
- BOG approved new corporate member model in December.
- BOG approved 2010 IEEE-SA corporate member dues in February.
- Chinese organizations interested in IEEE's IP policy and receiving our assistance with their IP policies; also interested in the standards process in general and education.

12 New Business

12.1 IEEE-SA Awards

Ted Olsen, ArCom Chair, reported.

Highlights:

- SA Awards: Corporate Award; International Award; Sponsor Award for Standards Development; Award for Distinguished Service to the IEEE-SA Standards Board; Standards Medallion; Charles Proteus Steinmetz Award.
- Be proactive and nominate or endorse worthy individuals or entities for these awards.
- IEEE requires at least three nominations for each award in order to present the award.

13 Next Meeting

The next meeting of the IEEE-SA Standards Board will be on 17 June 2009 in Tokyo, Japan.

14 SASB Resolutions

Move that the IEEE-SA Standards Board delay the distribution and publishing of IEEE Std. 605-2008 and direct the Sponsor to address the technical concerns raised after the December approval through either a corrigendum or a revision project.

Move to support Communications Society Standards Board's establishment of a P1901 Oversight Committee; further the SASB supports the Oversight Committee's establishment of a financial model to address expenses in connection with this oversight, the cost of which will be levied on the IEEE P1901 working group.

15 Adjournment

There being no further business, the meeting was adjourned at 3:30 p.m.