

1.0 Chair's Report

IEEE PES Transformers Committee Spring 2011, San Diego Meeting

1.1 Transformers Committee Highlights

1.1.1 Subcommittee Chair reappointed for the calendar year 2011

Meetings Planning	Gregory Anderson
Standards	William Bartley
Dielectric Test	Loren Wagenaar
Distribution Transformers	Stephen Shull
Dry-Type Transformers	Charles Johnson
HVDC	Richard Dudley
Insulating Fluids	Susan McNelly
Insulation Life	Bruce Forsyth
Performance Characteristics	Stephen Antosz
Power Transformers	Tom Lundquist
Underground Transformers & Network Protectors	Carl Niemann

1.1.2 Consistent with the Transformers Committee's O&P manual, Damir Novosel, Chair, PES Technical Council was notified of the Transformers Committee, Subcommittee reappointments for the calendar year 2011.

1.1.3 The Audible Sound and Vibration Subcommittee was disbanded and the one Task Force (Task Force on revisions to Clause 13 of C57.12.90) was moved to the Performance Characteristics Subcommittee. The Sound Measurement Guide C57.151 is on hold, while waiting for the revisions to Clause 13 of C57.12.90 to be done.

1.1.4 I have confirmed that our current "approved" Transformers Committees Operation & Procedure Manual (O&P) and the Working Group Practices & Procedures Manual(P&P), documents have and 5 year life without requiring revision. However I think it's important that we move forward with establishing a plan for the revision process. Therefore, I am establishing a Task Force for the "continuous revision" of the Transformers Committee's O&P and P&P Manual.

The basic Organization and Details are as follows. . . .

Task Force Purpose

The purpose of this Task Force is to maintain and update the Transformers Committee Operation and Procedures Manual and Working Group Practices and Procedures Manual.

Task Force Chair

I have asked and Peter Balma has accepted the responsibility to Chair this Task Force. This Task Force will report to, and fall under the direction of the Transformers Committees Vice Chair.

Task Force Membership

Task Force members will consist of the following. . . .

Permanent Members

Committee Chair

Committee Vice Chair

Committee Secretary
Standards Coordinator
Committee Treasurer
Immediate Past Chair

Members at large

Members at large should come from the Administrative Subcommittee and past Chairs of the Transformers Committee (at O&P & P&P Task Force Committee Chairs' discretion)

Task Force Meeting Schedule

The Task Force will be assigned a meeting slot at each of our future Transformers Committee meetings. I will ask Greg to assign a specific meeting time and location at each one of our meetings (to be coordinated with the O&P & P&P Task Force Committee Chair)

- 1.1.5 A request has been received from Wayne Beaty, Editor, McGraw-Hill Publications to update the Transformer section (section 10.1) of the Standard Handbook for Electrical Engineers, 16th. I discussed this issue with Tom Prevost and we both agreed that it would be inappropriate for our group to edit and or revise Technical information from published authors. The appropriate direction would be for McGraw-Hill to make contact with the original authors and request a technical update.
- 1.1.6 Consistent with the PES Technical Council requirements the following information for the 2011 Transformers Committee Officers and Committee meetings was sent to Damir Novosel, Chair, PES Technical Council.

Transformers Committee Chair	J. Edward Smith H-J Enterprises, Inc.& H-J International, Inc. 3010 High Ridge Blvd. High Ridge, MO 63049 U.S.A. Phone: (636) 677-3421 Ext. 324 Fax: (636) 376-1915 E-Mail: edsmith@ieee.org
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Transformers Committee Vice Chair	Bill Chiu Southern California Edison 2131 Walnut Grove Avenue Rosemead, CA 91770 U.S.A. Phone: (626) 302-7313 Fax: (626) 302-9449 E-Mail: bill.chiu@ieee.org
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Transformers Committee Secretary	Don Platts PPL Electric Utilities 2 North Ninth St Allentown, PA 18101 Phone: (610) 774-4686 Fax: (610) 774-5177 E-Mail: dwplatts@pplweb.com
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Others

Transformers Committee Past Chair/Awards Chair	Tom Prevost OMICRON electronics Corp USA
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230 Third Avenue
Waltham MA 02451 U.S.A.
Phone: (800) 664-2766
E-Mail: tprevost@ieee.org

Transformers Committee Greg Anderson
Treasurer/Meetings Coordinator GW Anderson & Associates, Inc.
13110 Birch Drive, Suite 148, PMB 330
Omaha, Nebraska 68164
Phone: (402) 680-1111
E-Mail: gwanderson@ieee.org

Transformers Committee William Bartley
Standards Coordinator Hartford Steam Boiler
Hartford CT 06102
Phone: (860) 722-5483
Fax:
E-Mail: William_Bartley@HSB.com

1.1.7 Up Coming Transformers Committee Meetings

Spring 2011 (firm)
April 10th thru 14th , 2011
San Diego, CA
The Catamaran Resort Hotel & Spa
3999 Mission Boulevard
San Diego, California 92109
Phone: 858-488-1081

Fall 2011 (NOW FIRM)
October 23th thru 27th , 2011
Boston, MA
Renaissance Boston Waterfront Hotel
606 Congress Street
Boston, Massachusetts 02210 USA
Phone:617-338-4111

1.1.8 A copy of the Transformers Committees P&P Manual was sent to Damir Novosel, Chair, PES Technical Council per their request.

1.1.9 A request was made to Damir Novosel, Chair, PES Technical Council and Jeffrey Nelson to update the PES's Web Site to included the latest information of the Transformers Committee.

1.2 Transformers Committee Sponsored Papers & Posters

1.2.1 Power Systems Conference and Exposition (PSCE), March 20 – 23, 2011, Phoenix Arizona
TRANSPP01.1: Neutral Networks on Transformer Fault Detection: Evaluating the Relevance of the Input Space Parameters

1.2.2 PES 2011 General Meeting, July 24 – 29, 2011, Detroit, Michigan
Transformers I, Paper Session, Monday, July 25, 2011, 1:00pm – 5:00pm
2011GM0036 Development of Ultra – Low Noise transformer

2011GM0105 A Moisture Diffusion Model for Transformer Oil and Paper

2011GM0328 Multi-Kernel Support Vector Classifier for Fault Diagnosis of Transformers

2011GM0696 Modeling and Analysis of the Suppression of Ferro resonance in Nonlinear Three-Phase Three-Leg Transformers

2011GM0934 A New Method for Analyzing Transformer Condition Using Frequency Response Analysis

Transformers II, Paper Session, Tuesday, July 26, 2011, 8:00am – 12:00pm

2011GM0937 A Novel Algorithm to detect Internal Transformer Faults

2011GM0946 A New Techno-Economic Replacement Technique for Transformers

2011GM0951 Dissolved Gas Analysis (DGA) of Power Transformer: A Bibliographical Survey

2011GM0979 Understanding Moisture Diffusion Process in Oil-Impregnated Pressboard Insulation of Transformer

2011GM1018 Artificial Intelligence Techniques Application to Dissolved Gas Analysis of Power Transformer

Transformers III, Paper Session, Tuesday, July 26, 2011, 1:00pm – 5:00pm

2011GM1021 Field application of a synchronous controller based on the measurement of residual fluxes for the energization of a step-up transformer

2011GM1023 Influence of System Transients on the Residual Flux of an Unloaded Transformer

2011GM1035 Using the vibration frequency response analysis method to detect the winding deformation of power transformer

2011GM1415 A Variable Frequency Constant Current Power Supply for Vibration Analysis Method to Detect the Winding Deformation of Power Transformer

Transformers IV, Poster Session, Monday, July 25, 2011, 5:00pm – 8:00pm

2011GM0360 Predictive Learning and Information Fusion for Condition Assessment of Power Transformer

2011GM0950 A Novel Calculation Method of Distributed Parameters in Transformer Winding

2011GM1360 A Generalized Leakage Inductance-Based Method for Discrimination of Internal Faults from Inrush Currents

1.2.3 Technical Council Meeting Highlights

Technical Council Meeting, Thursday, January 13, 2011, 8:00am – 11:00am, Atlanta, Ga
Discussion Summary:

There was a motion made to disband the Policy Development Committee and to handle all policy issues on a case by case basis by establishing a Adhoc Committee. This action will implement immediately following the 2011 General Meeting. The motion passed unanimously.

Jeff Nelson reminded all Technical Committee Chairs that they need to submit their ADCOM Member rosters for the calendar year 2011. Also requested was a list of future meetings of the Transformers Committee. This is an **ACTION ITEM Completed**

1.2.4 Damir reviewed the 2011 and 2012 PES Goals and Objectives presented by Al Rotz.
See Appendix C (In Chairs Report for slides)

1.2.5 General Discussion

The 2011 General meeting will basically be structured similar to the 2010 Minneapolis General Meeting. No large or noteworthy changes.

Michael Lindsey, IEEE SA Legal Council could not be in attendance because of weather. He delivered a great program in Minneapolis on The Responsibility of attendees - members not promoting and pushing their personal or corporate agenda's.

Matt Ceglia discussed the IEEE SA requirement for the O&P Manual and P&P Manual. AUDCOM approval requires that the O&P and P&P address the "Standards Development" process and all Technical Committee organization and procedures be removed. This new format requires the approval of AUDCOM. Our own Peter Balma is a member and Chair of AUDCOM. A separate document for both the O&P and P&P is required to cover the Technical Committee's organization and procedures. These manuals only require the approval of the Technical Committees Administrative Subcommittee.

See Attachment A (In Chairs Report) for the Technical Council Meeting Agenda

1.2.6 O & P Manual Committee Meeting Highlights

O & P Manual Committee Meeting, Thursday, January 13, 2011, Atlanta, GA

Discussion Summary:

1) AudCom realizes that significant time and effort was put into work on the P&Ps for the Power & Energy Sponsors and that AudCom, in changing course of direction midway through the review process, has added to the time necessary (not to mention the frustration) for submitting procedures which will be accepted by AudCom and the Standards Board.

2) The following changes have occurred in AudCom requirements and/or expectations for P&P submittals since the PES Transformer Committee P&Ps were accepted:

a) AudCom now requires separate Working Group P&Ps and requires all material pertaining to these WG procedures to be removed from the Sponsor procedures. (This was taken into account for the O&Ps that we approved in July and were subsequently submitted to AudCom for approval)

b) Any material pertaining to subjects outside of Standards Development should be removed from the document. The rationale for this change is, AudCom and the SASB do not want to be on record as endorsing –sponsor practices that are outside of the scope of standards development.

c) AudCom would prefer the format and numbering of sections to match the AudCom baseline as much as possible.

3) Using PE/SWG as a model, it appears necessary to include subcommittee scopes in the Sponsor P&P document.

4) AudCom will meet on 6 December 2010. AudCom has told me they will discuss the status of all Power and Energy P&Ps and give clear direction on the expectations going forward. Matt and Lisa will attend the meeting prepared with a list of clarifications needed and make sure guidance is given for each point. I am also making plans to be in attendance at the AudCom meeting. AudCom will also vote on granting PES an extension for all of our P&P documents, which shouldn't be an issue.

5) Following the meeting, AudCom's position will be put in writing for PES and I will communicate this information to you. Then we can develop a plan of action going forward. The AudCom Chair said he looks forward to resolving the confusion and moving forward so that PES can continue with its business of standards development. See AudCom's meeting minutes below

1.2.7 The Wednesday CIGRE meeting was cancelled due to the Atlanta weather. The International CIDRE representatives could not get in. The Luncheon was still held but no formal meeting.

Jodi Haasz updated the Technical Council members on the IEC development work. She specifically pointed out the very recent IEC approval of our own C57.15 Step Voltage Regulator Standard. The working group is Chaired by Craig Calopy

1) It was noted that, at the IEC General Meeting, Jim Matthews, the incoming Chair of the IEC Standardization Management Board (SMB) is interested in leveraging IEC's agreement with IEEE

2) There are currently 25 documents adopted under the agreement, two of which came from PES - One from SWG, the other from TR

3) There are currently 18 projects undergoing joint development and maintenance - of these 18 projects, 13 are from PES (one project is forthcoming). The breakdown of these projects are as follows:

3 from SWG (Two are actually joint, one is a maintenance project)

1 from ED&PG (which is actually a maintenance project under the agreement)

6 from NPEC (three of which should obtain final approval by June 2011)

1 from TR

We are awaiting for IEC approval on one from PSR

COMTRADE (PSR) is undergoing a revision via the maintenance agreement with IEC.

4) A guidance brochure has been drafted by both IEEE (with volunteer input) and IEC to explain all procedures for the IEC/IEEE Dual Logo Agreement. This brochure should be published by mid-2011. It was pointed out that the PES Awards Committee is basically falling apart (their words) due to very poor, indecisive leadership. A new Chair is being considered. The PES is also requesting that all the Technical Committees review their Committee for opportunities for PES awards. Emphasis should be placed on outstanding work, significant accomplishments, special recognition, and other reasons for recognition.

1.2.8 Technical Sessions Committee Meeting Highlights

Technical Sessions Committee, Thursday, January 13, 2011, 11:00am – 5:00pm, Atlanta, GA

Attachments:

Technical Sessions Meeting Agenda

2011 General Meeting Technical Committee Paper Schedule

2011 General Meeting Structure

Papers Submitted
1258 Total Papers Submitted
1241 Available for Review
17 Transformers Committee Papers or 1.36% of all papers

Important deadlines
2/20 Deadline for requesting a revision from the author
2/28 Deadline for Conference Papers

Logistics
There are 12 to 15 rooms available each day for paper sessions and panel sessions.
They are working at getting another 3 slots for a possible total of 18 slots.

1.2.9 The Transformers Committee has 17 papers with possibly 2 more for a total of 19 papers for presentation at the General Meeting. Currently we have 3 meeting slots, Monday afternoon (1:00pm to 5:00pm), Tuesday morning (8:00am to 12:00pm) and Wednesday morning (8:00am to 12:00pm). See the 2011 General meeting section of this report for a listing of the Transformers Committee sponsored papers.

Attachment A

Technical Council Meeting No. 87 AGENDA
Atlanta, Georgia, USA
Thursday, 13 January 2011 at 8:00 AM – 11:00 AM

TOPIC

PRESENTER

ADMINISTRATIVE TOPICS

- Introduction of members and guests
- Update on new TC and TCPC membership
- Approval of Minutes (Meeting 86) and Agenda
- Updates for Technical Committee Rosters & Meeting Schedule
- Action Item List review

Damir Novosel
Damir Novosel
Damir Novosel
Jeff Nelson
Jeff Nelson

TOPICS FROM THE PES PRESIDENT & EXECUTIVE DIRECTOR (At the pleasure of the PES President)

Al Rotz / Pat Ryan

TOPICS FROM THE OFFICERS

- Review of and Discussion on 2011 GM Planning and Structure
- Presentation on Affiliation (by IEEE-SA Legal Council)
- Presentation on IEEE SA supporting PES Standards
- Technical Council web page

Jeff Nelson/Damir Novosel
Michael Lindsey
Matt Ceglia
Mick Matum

LIAISON REPORTS

- IEC Liaison
- IEEE Fellow nominations
- CIGRE cooperation

Jodi Haasz
Nagu Srinivas
Damir Novosel

Other liaison reports not given at the meeting will be made part of the minutes.

STANDING/COORDINATING COMMITTEES

- | | |
|--|------------------|
| - Awards Committee (Awards presentation if required) | Rama Ramakumar |
| - Technical Council Planning Committee | Jeff Nelcon |
| - Meetings & Marketing Committee (Formerly Technical Sessions) | Jeff Nelson |
| - Conference Papers EIC | Dan Nordell |
| - Operation & Procedures Committee | Harold Kirkham |
| - Standards Coordinating Committee | Mike Wactor |
| - Emerging Technologies Committee | Miroslav Begovic |
| - Intelligent Grid Coordinating Committee | Don Von Dollen |
| - Marine Systems Coordinating Committee | Paul Bishop |
| - Policy Development Coordinating Committee | Jim McConnach |
| - Wind Power Coordinating Committee | Dick Piwko |

TOPICS FROM TECHNICAL COMMITTEE CHAIRS by Exception

- | | |
|---|------------------------|
| -Issues of note or requiring a vote of Technical Council | Technical Comm. Chairs |
| -Technical Committee report of their meetings | |
| Schedules, attendance, primary functions, etc. to be submitted electronically to the Tech Council Secretary | |

CLOSING

- | | |
|---|---------------|
| - Other business | Damir Novosel |
| - Future Technical Council Meetings | |
| ➤ 2011 GM - Detroit, Michigan (24-29 July 2011) | |

Adjourn

Damir Novosel

Attachment B

Technical Sessions Committee Agenda

Atlanta, Georgia USA

Thursday, 13 January 2011

11:30 AM – 5:30 PM (Lunch provided)

(Conference call arrangements will be provided for those not attending in person)

1. Review process for GM session planning
2. Detroit GM 2011 Super Sessions - Super Session Chairs (see Appendix A below)
 - Is session planning on track
 - Invited papers/speakers identified (Papers submitted?)
 - TCPCs preliminary identification of conference papers with potential for inclusion in super sessions (No panel session papers to be taken)
 - Scheduling of Super Sessions
3. Detroit GM 2011 Panel Sessions - TCPCs (Prepare your draft plan prior to meeting)
 - Panel Sessions planned
 - Confirmation that panel papers are all submitted
 - Panel Session chairs identified
 - Scheduling of Panel Sessions
4. Detroit GM 2011 Paper & Poster Sessions - TCPCs (Prepare your draft plan prior to meeting)
 - Review of accept/reject statistics from GM 2010 (See Appendix B)
 - “Brief” discussion on quality of papers
 - Preliminary report on number of papers submitted by committee
 - Preliminary scheduling of paper, combo and/or paper forum sessions
 - Monday poster session

5. Detroit GM 2011 Late Breaking News Session
6. Post JTCM Action Item Deadlines (See Appendix C)
 - Technical Sessions Comm. conference call to finalize 2011 GM schedule & 2012 GM Call for Papers/Super Sessions
7. Update on Detroit 2011 GM Tutorials planned (Jason Stamp, Chair LLLSC)
8. San Diego GM 2012 - Call for Papers & Super Sessions
 - Review Super Session planning process (see Appendix D)
 - Technical Program Chair
 - Review 2011 GM Call for Papers (see Appendix E)
 - General Meeting Theme
 - Super Session Proposals
9. Plan and schedule for the PSCE 2011 (Rao Thallam - TPC)
10. Next meeting: 2011 GM, Detroit, Michigan; Tuesday, 26 July, 12:00 pm - 2:00 pm
11. Adjournment

Appendix A

GM 2011 Super Sessions

1. **Electric Vehicle**
Mike Hittel (GM) – Chair
Mark Duvall (EPRI)
Anil Pahwa (Kansas State) and ML Chan (Quanta)
2. **Smart Grid**
Edwin Liu (Quanta) - Chair
Doug Houseman (Enerex)
Robert Uluski (EPRI)
Steve McArthur (University of Strathclyde)
3. **Wind Power & PV**
Tom McDermott - Chair
Ernst Camm (S&C)
Jianhui Wang (Argonne National Lab)
Mitch Bradt (University of Wisconsin)
Steve Steffel (PEPCO) and Julio Romero (Quanta)
4. **Energy Storage**
Ali Nourai (KEMA) – Chair
5. **Energy & Environment**
Kevin Taylor (GL Recycling) - Chair
Ivana Kocker (University of Strathclyde)
Francois Bouffard (University of Manchester)

Note:

Objective of super-session is to address hot, practical topics with attractive presentations from several different technical committees (not necessarily dependent on submitted papers).

Avoid overlaps of super sessions in the program so that conference participants will have a possibility to attend all or most of those attractive sessions.

Appendix B

2010 IEEE PES GM Paper Stats by Committee

Committee	Number of papers accepted	Number of papers rejected	% Rejected
Electric Machinery	43	0	0.0%
Emerging Tech.	19	7	26.9%
Energy Development & Power Generation	156	24	13.3%
Insulated Conductors	4	0	0.0%
Intelligent Grid	32	7	17.9%
Marine Systems	7	0	0.0%
Power Eng. Education	26	1	3.7%
Power System Communications	9	0	0.0%
Power System Dynamic Performance	112	33	22.8%
Power System Instrumentation & Measurements	22	6	21.4%
Power System Operations	140	44	23.9%
Power System Planning & Implementation	73	24	24.7%
Power System Relaying	35	6	14.6%
PSACE (Computer Analytical Methods)	20	12	37.5%
PSACE Distribution System Analysis	16	7	30.4%
PSACE (Economic Systems)	28	14	33.3%
PSACE (Intelligent Systems)	15	1	6.3%
PSACE (Reliability and Risk Analysis)	19	6	24.0%
PSACE (Panels only)	107	7	6.1%
Stationary Battery	1	0	0.0%
Substations	13	2	13.3%
Surge Protective Devices	2	0	0.0%
Switchgear	3	1	25.0%
Transformers	13	2	13.3%
Transmission & Distribution	117	20	14.6%
Wind Power	8	0	0.0%
TOTAL:	1040	224	17.7%

Note: I think these statistics include Panel Session Papers.

Appendix C

PROPOSED 2011 PES GOALS

- 1) PROMOTE POWER INDUSTRY INVOLVEMENT IN PES
- 2) INCREASE & RETAIN PES MEMBERSHIP WORLDWIDE, AND MAKE STUDENT, GSM AND GOLD MEMBER PARTICIPATION MORE MEANINGFUL
- 3) ASSURE THAT PES IS IN THE FOREFRONT OF ENERGY TOPICS AND EMERGING TECHNOLOGIES (SMART GRID, RENEWABLES, DISTRIBUTED GENERATION, ELECTRIC VEHICLES, STORAGE, DEMAND RESPONSE, ETC.)
- 4) EXPAND SERVICES TO MEMBERS WORLDWIDE INCLUDING EDUCATION, CONFERENCES, PUBLICATIONS, STANDARDS AND “PES CAREERS”
- 5) IMPROVE THE EFFECTIVENESS OF MEETINGS & CONFERENCES
- 6) INCREASE THE BENEFITS TO PES FROM STANDARDS EFFORTS
- 7) IMPROVE THE EFFECTIVENESS OF TECHNICAL COMMITTEE ORGANIZATION

2011 GOAL DETAIL & SUPPORTING INITIATIVES

- 1) **PROMOTE POWER INDUSTRY LEADERSHIP OF PES**
 - a) Outreach to Utility Leadership through EEI & other utility organizations (Al, Chris)
 - b) Outreach to the following groups to assure they are involved in PES to the maximum extent possible. Include a global perspective when appropriate. (Erich, Saifur, Henry, Cheri):
 - i) Prospective new members from non-traditional companies, e.g., CISCO, IBM, Intel, Google, Juniper Networks, Microsoft and others related to Smart Grid activities, soliciting their participation and membership (Saifur, Al)
 - ii) Manufacturers & vendors (John McDonald, Avnaesh, Al)
 - iii) Consulting & engineering firms
- 2) **INCREASE & RETAIN PES MEMBERSHIP WORLDWIDE, AND MAKE STUDENT, GSM AND GOLD MEMBER PARTICIPATION MORE MEANINGFUL**
 - a) Increase & Retain Membership—Goal for Dec 2011 is 30,500 (Henry)
 - b) Make Student & GSM and Participation More Meaningful (Henry)
 - c) Make GOLD Member Participation More Meaningful (Henry, Aaron)
 - d) Promote IEEE Fellow applications world-wide (Al, Noel, Damir (Nagu))
 - e) Publicize e-member option to members and prospective members (Henry, Region Reps)
 - f) Encourage membership and participation in WIE (Henry, Maryam)
 - g) Work with PEEC to support the student activities programs at the PSCE, GM, and NAPS (Pete)
 - h) Initiate the PES Scholarship program U.S. test (Wanda, Pete and Henry)
 - i) Evaluate e-Membership for PES (Enrique, Henry)
 - j) Expand the promotion of PES to conferences and events worldwide with effective membership booth, including involvement of local chapters. Actively promote PES during conference (Enrique, Meliha, Henry)
- 3) **ASSURE THAT PES IS IN THE FOREFRONT OF ENERGY TOPICS AND EMERGING TECHNOLOGIES (SMART GRID, RENEWABLES, DISTRIBUTED GENERATION, ELECTRIC VEHICLES, STORAGE, DEMAND RESPONSE, ETC.)**
 - a) Provide PES leadership of Emerging Technologies as appropriate (Miroslav, Damir)

- b) Establish an ISGT in regions 8 & 10 by end of 2011, Region 9 in 2012. (Bill)
- c) Develop a Conf & Expo type event (a la T&D) in regions 8-10 by end of 2012.
- d) Develop new conference on Renewables, Carbon Capture and Sequestration, Electric Vehicles, Storage. (Saifur)
- e) Set-up Regional Conferences on Distributed Generation, Electric Vehicles, Storage (Meliha)
- f) Determine best means of distributing information on emerging technologies worldwide (Saifur, Miroslav)
- g) Consider how an Electric Transportation Committee would fit into PES structure (Miroslav)
- h) Consider additional new transactions as new technologies and areas of interest evolve (Mohammad)
- i) Coordinate Smart Grid and other emerging technology activities (e.g. renewable, electrical vehicles and storage) with other technical committees (Erich; Miroslav; Jeff/Damir)
- j) Have booth at AWEA- Supported by Chapter and WCC (Edina)

4) EXPAND SERVICES TO MEMBERS WORLDWIDE INCLUDING EDUCATION, CONFERENCES & PUBLICATIONS

- a) Make voice-over-PowerPoint for DLP available to Chapters (Meliha)
- b) Provide non-engineering courses for PES members, e.g., accounting/finance, contract writing, communicating with media, etc. (Pete??)
- c) Expand "Plain Talk" offerings – (Smart Grid and Distribution Automation already in production, but consider more) (Pat, Pete)
- d) Get Chapters involved to provide tutorials on regional basis (Meliha, Pete?)
- e) Attempt to get ESMO onto a regular track (Bill, Barry)
- f) Continue to develop new e-learning modules as appropriate (Pete)
- g) Populate the e-commerce website as a resource for the practicing engineer (Pat, Damir)
- h) Develop a strategic vision for the e-commerce website (Henry, Damir)
- i) Create PES Member Focus on Awards and Fellow opportunities (Noel)
- j) Evaluate use of iBookstore and equivalents for commercial implications. (Pat, Erich, Cheri)

5) IMPROVE THE EFFECTIVENESS OF MEETINGS & TECHNICAL ACTIVITIES

- a) Further define process and structure needed for Tech Co-Sponsored and Financially Sponsored or Co-Sponsored Conferences (Bill)
- b) Improve the General Meeting Structure (Bill, Paula, Damir)
- c) Develop a focus/process to assure all conferences and meetings are closed within 12 months (Bill, Pat (D'Nese??))
- d) Ensure support and process for meetings held in Region 8 – 10 (Joint Meetings VP and Chapter VP conference call should be held with Region Reps 8, 9 and 10 periodically to monitor status of conferences, RFPs, etc. Also could create a position under Bill to oversee R8 – 10 conferences) (Bill)
- e) Coordinate conferences related to emerging technologies (smart grid, renewable, distributed generation, electrical vehicles, storage) with other PES conferences to avoid overlaps and improve effectiveness (Paula, Damir/Jeff/TCPCs, Miroslav, Erich)
- f) Investigate opportunities for on-line meeting technology (Bill, Damir)
- g) Coordinate Smart Grid efforts with TA with P2030 and NIST PAP (Erich)
- h) Create expanded visibility for Nuclear Activities (Al, Meliha)

6) INCREASE THE BENEFITS TO PES FROM STANDARDS EFFORTS

- a) Appoint Ad Hoc Team to Study Standards Issues and make recommendations to Board (Tom, Al) Should change to highlight issues to be addressed
- b) Investigate whether PES should partner with IEC? CIGRE? (Al, Pat, Noel)
- c) Increase PES Membership on SA (Tom)
- d) Ensure that the TCs are involved in the Smart Grid Standards process (Erich)

- e) Evaluate the entity model of standards process by participating on the UHV projects submitted by SGCC (Tom, Damir, Cheri)

7) IMPROVE THE EFFECTIVENESS OF TECHNICAL COMMITTEE ORGANIZATION

- a) Determine how to make TC Vice-Chair a permanent member of LRP to help link Technical Committee direction to Long-Term Planning process (Noel, Damir)
- b) Determine TC scope and structure changes required to support emerging needs and technologies. (Damir)
- c) Coordinate all emerging technologies (smart grid, renewable, distributed generation, electrical vehicles, storage) initiatives with TCs and ETCC (Damir/Jeff, Miroslav, Erich)

4.3 Discussion of PE P&Ps/Extension Requests

AudCom members and the leaders of the Power and Energy Society had open dialog during the meeting. As a result of that dialog the following occurred:

Motion: Grant a two year extension to all Power & Energy Society (PES) Technical Committees to revise/update their P&Ps. Upon vote, the motion passed.

AudCom directed PES that the revised P&Ps of the PES Technical Committee (Sponsors, as recognized by AudCom) shall adhere to the SASB approved baseline document posted for use as of 1 January 2011.

Until the revised P&Ps are accepted by AudCom, the PES Technical Committees shall follow their currently accepted P&Ps on file.

AudCom also stated that only committee procedures, responsibilities, or actions relevant to standards development shall be included in Policies and Procedures documents submitted for AudCom review and subsequent approval by the IEEE SASB.

Rationale: Procedures that are not relevant to standards development are outside the scope of AudCom and cannot be included in a recommendation for IEEE-SASB approval. Therefore, material not relevant to standards development shall be removed from the committee P&Ps for standards development.

It was also agreed that this also applies to the working group P&Ps, i.e., only material relevant to standards development shall be included in the working group P&Ps.

Rationale: Separate working group P&Ps allows greater flexibility for the sponsor in making changes to content without requiring re-approval of AudCom. Generally, the working group P&P is only reviewed by AudCom if selected during the working group audit.

Based on feedback received from Bill Long, AudCom decided to change the title of the sponsor baseline P&P document to "IEEE Standards Association (IEEE-SA) Sponsor Baseline Policies and Procedures for Standards Development".

AI: Lisa will prepare a Mentor Document to provide PES with clear overall and specific direction regarding their P&P revisions. Lisa will first circulate the document to AudCom for agreement. Once achieved, the Mentor Document will be sent to PES.