

Draft Minutes Planning Committee

September 18-19, 2012

Hyatt Regency St. Louis at the Arch
315 Chestnut Street
St. Louis, MO, 63102
314-655-1234

Planning Committee (PC) Chair Jeff Mitchell presided over the meeting. The meeting notice, amended agenda, and list of attendees are **Exhibits A, B, and C** respectively. Meeting presentations and the complete agenda package are posted at <http://www.nerc.com/filez/pcmin.html>.

1. Administrative Matters

Chair Mitchell convened the Planning Committee (PC) meeting at 1:00 p.m. EST and welcomed the PC members and guests. Attendees were introduced. The following proxies were noted:

- Scott Helyer for Robert Ramekers
- M.K. Shean for Jesus Sierra

Of the PC's 28 total voting member positions available, the PC has two vacancies in the large end-use customer sector, one vacancy in the small end-use customer sector, and one vacancy in the state government sector leaving 24 active voting members.

The meeting quorum (two-thirds of 24) was satisfied by 24 voting members or their proxies being present. Eric Rollison, secretary of the PC, declared a quorum was present.

PC membership was discussed and the secretary requested changes to membership be brought to the committee's attention. No changes were solicited at this time.

Future meeting schedule was reviewed with the committee and is presented below.

2012 Meeting Dates	Time	Location	Hotel
October 30	3PM – 4PM (Eastern)	Long Term Reliability Assessment Webinar	N/A
November 12	3PM – 4PM (Eastern)	Winter Reliability Assessment Webinar	N/A
December 5	11 AM – 1 PM (Eastern)	OC/PC/CIPC Joint Pre-Meeting Webinar	N/A
December 12	1PM – 5PM (Eastern)	Atlanta, GA, USA	Westin Buckhead

December 13	8 AM – noon (Eastern)		
March 2013	1PM – 5PM (Eastern)		
March 2013	8 AM – noon (Eastern)	TBA	TBA
June 2013	1PM – 5PM (Eastern)		
June 2013	8 AM – noon (Eastern)	TBA	TBA

2. Consent Agenda

The Consent agenda was reviewed by Chair Mitchell. The consent agenda included two separate items for approval:

2.1. Approve – June 2012 Minutes

2.2. Approve – September 2012 Meeting Agenda

A motion was made by Dale Burmester to approve the Consent Agenda. The motion was seconded and approved via voice vote.

3. Committee Matters – Actions to be Taken

3.1 Approve – Planning Committee Charter

Eric Rollison, presented the proposed changes to the Planning Committee charter for review.

The 2012 enhancement to the PC Charter includes a number of changes, including:

1. Addition of Section 8: Meetings Conducted by Electronic Methods
2. Addition of Section 9: Expectations for Members, Participants, and Observers
3. Addition of Section 10: Guidelines for use of NERC Email Lists
4. Change: The voting weight of each participant from Sector 11, Regional Reliability Organization, so that each regional member’s vote will be set to 0.25 of a vote. This change does not affect the sector’s overall voting strength.

A motion was made by Ron Mazur to approve the updated Committee Charter, but hold submission to the February 2012 NERC Board of Trustees (BOT) meeting to give the Operating Committee and Critical Infrastructure Protection Committee an opportunity to review and enhance their charters as well.

The motion was seconded and approved via voice vote, with one abstention.

3.2 Approve – Frequency Response Initiative

PC leadership received requests from the NERC Standing Committee for research on topics used to support the Standard Development Process (in particular, prioritization). John Moura summarized the discussions held at the PC ExCom meeting. To respond to the Standards Committee request, the PC ExCom made the following assignments:

Bob Cummings presented the highlights and recommendations contained with the Frequency Response Initiative report: *The Reliability Role of Frequency Response* for review by the PC.

This report provides an overview of the work that has been completed to-date towards gaining understanding of frequency response, and in support of the standards development effort associated with Standards Project 2007-12 Frequency Response, which is preparing a revised draft standard (BAL-003-1).

No action was taken by the PC at the meeting this item due to the relatively short time for review prior to the meeting. Dale Burmester suggested that the PC hold an electronic ballot to occur during the first week of October for the PC to approve this report. No opposition to this approach was registered and the Chair agreed to this approach.

3.3 Approve – TADS Reporting Enhancements

Bill Adams presented TADS reporting enhancements in accordance with Section 1600 of the NERC Rules of Procedure.

The Planning Committee (PC) approved a motion at its June 19-20 meeting to “table discussion on this item (100-199kV outage request) until the September PC meeting, when more information about the FERC approval of the Bulk Electric System definition will be known.”

On June 21, 2012, FERC issued the NOPR that proposes to approve the NERC’s revisions to the definition of the bulk electric system (BES), available at: <http://www.ferc.gov/whats-new/comm-meet/2012/062112/E-4.pdf>.

TADSWG discussed the request at its August 13-15, 2012 face-to-face meeting. Based on the feedback from the PC and the PAS (Performance Analysis Subcommittee), the data request was modified to further reduce potential reporting burden, enhance submission timeliness, and provide risk information.

The proposed enhancement is summarized below:

- Remove automatic momentary outages (outages for less than a minute) from the 100-199kV data request; report only 100-199kV automatic sustained and non-automatic operational outages

Jessica Bian indicated that significant outreach has occurred by PAS to ensure the most efficient data request possible. PAS has worked with the Standards Drafting team (SDT) on Project 2009-01 (Disturbance and Sabotage Reporting) as well as staff from the Energy Information Administration and NERC Regional Entities to ensure the most effective data collection possible.

A number of PC members and guests in attendance indicated that there is a burden on the industry with mandatory data collections by NERC and in this case, that the value has not yet been clearly demonstrated.

NERC staff responded that this request will support NERC Risk-based standards development and did not agree with assertions that this data request goes too far, as it represents a small fraction of the data collected by Governmental Authorities in both the US and Canada and formerly by NERC Regional Entities.

Motion 1:

A motion was made by Brian Keel to replace the voltage terminology from “0-99 kV” to “less than 100kV” ,to separate Quarterly Reporting and Inventory Data requests to separate approvals, and to use consistent cost-estimate questions across all Section 1600 data request forms.

The motion was seconded and approved via voice vote, with one abstention.

Motion 2:

A motion was made by Ken Donohoo to approve the development of a Section 1600 inventory data request for public comment.

The motion was seconded and approved via voice vote, with five abstentions.

Motion 3

A motion was made by Dale Burmester to approve the quarterly reporting requirement for public comment.

The motion was seconded and approved via voice vote, with no abstentions.

Motion 4

A motion was made by David Weaver to approve the proposed 200kV and less Section 1600 data request for public comment, removing momentary outages for consideration.

The motion was seconded and approved via voice vote, with three abstentions.

3.4 Approve – IVGTF Task 1-3 Report

Eric Rollison presented the highlights and recommendations contained within the IVGTF Task 1-3 report, *Interconnection Requirements for Variable Generation*.

IVGTF Task 1-3 was asked to make recommendations for how NERC interconnection procedures and standards should be enhanced to address voltage and frequency ride-through, reactive and real power control, and frequency/inertial response criteria, in light of the evolving range of technical characteristics and physical capabilities of variable generation equipment. This report documents the results of that project.

A motion was made by Noman Williams to approve the report and address typographical errors identified by Ron Mazur.

The motion was seconded and approved via voice vote, with no abstentions.

3.5 Approve – Deferral of Smart Grid Task Force Work Plan to 2014

John Moura asked the PC to concur with the NERC's *2013 Business Plan and Budget* filing to defer further work with the Smart Grid Task Force until 2014.

A motion was made by Paul McCurley to approve deferring the Smart Grid Task Force work plan

The motion was seconded and approved via voice vote, with no abstentions.

3.6 Request Comments – Proposed Improvements for NERC MOD Standards

Chuck Chakravarthi presented the *Proposed Improvements for NERC MOD Standards* whitepaper and requested comments from the PC.

As part of the Modeling Improvements Initiative, the SAMS examined MOD-010 through -015 Standards and made recommendations for their improvement in the whitepaper. The primary issues with these Standards are:

- Four of them apply to “RROs” (Regional Reliability Organizations).
- They lack clear delineation of responsibilities for providing and receiving data and models.
- They lack specificity in certain data and model requirements and performance requirements of models under static and dynamic conditions.
- The whitepaper proposes improvements to address these and other issues, and a reduction in the overall number of standards.

The whitepaper proposes improvements to address these and other issues, and a reduction in the overall number of standards. SAMS also indicated that this white-paper has been

shared and commented on by the North American Transmission Forum and the North American Generator Forum.

No action was taken by the PC on this item.

Noman Williams, Branden Sudduth, and Phil Fedora volunteered to provide comments to the SAMS group on this white-paper by October 19, 2012.

3.7 Request Comments – SPS/RAS Reference Document

John Simonelli presented the highlights of the first two chapters of the report on *Special Protection Systems (SPS)/Remedial Action Schemes (RAS): Assessment of Definition, Regional Practices, and Application of Related Standards* including a straw-man definition of Special Protection System (SPS).

SAMS and SPCS have reached consensus on a strawman definition and the first two chapters of its report. The strawman definition will be integral to developing recommendations on SPS-related standards. The current schedule calls for submitting a final report at the December 2012 PC meeting.

No action was taken by the PC on this item.

Dale Burmester, Ron Mazur, and David Weaver volunteered to provide comments to the joint SPCS/SAMS group on this white-paper by October 19, 2012.

3.8 Request Comments - Considerations for Maintenance and Testing of Autoreclosing Schemes Whitepaper-SPCS/SAMS

Bill Miller presented the white-paper *Considerations for Maintenance and Testing of Autoreclosing Schemes* for review and comment by the PC.

This report supports the Protection System Maintenance and Testing Standard Drafting Team effort to address maintenance and testing of autoreclosing relays in response to FERC Order No. 758.

No action was taken by the PC on this item.

Jay Farrington and Jeff Mitchell volunteered to provide comments to the joint SPCS/SAMS group on this white-paper by October 19, 2012.

3.9 Request Comments - Condition Driven Index (CDI) Draft White Paper

Bill Adams presented the Performance Analysis Subcommittee (PAS) white-paper on the *Condition Driven Index*.

The CDI is to quantify the impact of adequate level of reliability (ALR). The index increases if the condition improvement is achieved over a trending period. For a specific period (a quarter or a year), CDI provides a “success rate” of a performance of the bulk power system as measured by the 18 approved ALR metrics. The CDI is neither a real-time, nor forward looking performance indicator. The preliminary quarterly CDI trends were developed to demonstrate the concepts.

No action was taken by the PC on this item.

Comments are due on this white-paper to Jessica Bian by October 22 2012.

3.10 Request Reviewers

Jeff Mitchell requested reviewers for a number of upcoming reports to be approved by the PC.

No volunteers were requested to provide comments on agenda items 3.10.1 through 3.10.4, but if members had comments on individual assessments, they were to be provided to the Subcommittee chairs by October 5, 2012. Comments for the final draft report are identified below in Agenda item 4.5.

Phil Fedora and Steve Huber volunteered to provide comments to NERC staff and the Reliability Assessment Subcommittee on the 2012/2013 Winter Reliability Assessment when released in October 2012.

Kevin Kolini and Ron Mazur volunteered to provide comments to NERC staff and IVGTF Task 1-6 team on the draft report of *Probabilistic Methods for Variable Generation* when released to the Planning Committee in October 2012.

4. Discussion Matters

4.1 Gas-Electric Interdependencies: Pipeline Perspectives – Industry Overview and Discussion

David Jewell presented on the issue of Gas-Electric Interdependencies and presented the perspective of the Pipeline Industry, as well as providing an Overview and Discussion of challenges involved in solving this issue.

4.2 Gas-Electric Interdependency Phase II Update

John Moura provided a status update on the Phase 2 Natural Gas and Electric Interdependency report development, next steps, and the future action plan on this issue. The RAS expects to submit the report for comment to the PC in mid November with approval occurring in December 2012.

4.3 NERC Standards Committee Requests for Research

Howard Gugel presented a list of upcoming NERC Standards Development Projects that will most likely require the support of subject matter experts from the Planning Committee to develop the required analyses.

Jeff Mitchell requested that all future requests for standards research are submitted in writing to the PC leadership, so that the Planning Executive Committee (PC ExCom) can appropriately prioritize the work of the subcommittees and ensure on-time delivery of products requested. Jeff Mitchell also suggested that a template for this approach would be the request received by the PC to support the bulk electric system definition Phase 2 analysis.

4.4 Planning Committee Response to Recommendations of Arizona-Southern California Outage Report

Jeff Mitchell led a discussion on the proposed actions from the PC to respond to the joint FERC-NERC 2011 Arizona – Southern California Outage report.

The findings and recommendations, found on pages 116-124 of the report, document a number of issues that lead to the August 2011 blackout.

No action was taken by the PC on this agenda item.

Comments from PC members, as well the PC subcommittee chairs , were requested to be submitted by October 5, 2012.

4.5 BES Definition Progress Report

Jeff Mitchell led a discussion along with the chairs of the RAS (Vince Ordax, FRCC) and SAMS (John Simonelli, ISO-New England and Bill Harm, PJM)

NERC has been working over the last year to revise its Bulk Electric System (BES) definition to eliminate the regional discretion and subjectivity contained within it. In early 2012, the NERC Board of Trustees approved a revised BES definition and subsequently filed. The Definition of Bulk Electric System (DBES) Standard Drafting Team (SDT) asked the Planning Committee for assistance in developing that technical justification for certain parameters of the revised definition.

To handle this request in a timely manner, the Planning Committee assigned the following topics to the designated subcommittees within its organizational structure.

- 100 kV bright-line (Core definition) – Planning Executive Committee
- Generation threshold (Inclusions I2 and I4) MVA values associated with single unit and multiple unit facilities – Reliability Assessment Subcommittee

- Reactive Power sizing (MVA level) parameters (Inclusion I5) – System Analysis and Modeling Subcommittee
- Power flow allowed out of local networks – System Analysis and Modeling Subcommittee

Highlights of the draft reports were covered for comment and discussion by the Planning Committee. Significant discussion occurred with respect to the 300 MW load limit for a local network. PC members indicated that more technical references were necessary from to support the selection of the 300 MW criteria.

Comments from the PC were due on the Subcommittee assessments by October 5, 2012.

The PC Chair indicated that the full report is expected to be released to the Planning Committee for review and comment the week of November 12, 2012. Jason Marshall, Kevin Kolini, Serge Fortin, Gayle Nansel, and Brian Keel volunteered to provide comments on the full report to the PC prior to approval in December 2012.

4.6 2012 Long-Term Reliability Assessment Highlights

Eric Rollison presented the preliminary Highlights and Results contained within the 2012 Long Term Reliability Assessment (LTRA). The final draft is expected to be sent to the Planning Committee for review in early October 2012, with a call scheduled to review this document for approval on October 30, 2012.

The LTRA is NERC's 10 year forecast of demand and resource adequacy. Section 803 of the NERC Rules of Procedure (ROP) identifies the content that this report should contain. The results presented were considered to be preliminary and were subject to change.

4.7 EIA Data Collection Effort for Bulk Power System Smart Grid Devices

Due to travel issues, Orhan Yildiz was unable to present this agenda item, and John Moura presented in his place *EIA Data Collection Effort for Bulk Power System Smart Grid Devices*.

The Department of Energy (DOE), Office of Electricity Delivery and Energy Reliability (OE), is the administrator of the Smart Grid Investment Grant stimulus funding of American Recovery and Reinvestment Act of 2009 (ARRA). To measure the impact of the recovery act programs, EIA is now tasked by OE to conduct a survey to measure the progress of the deployment of smart grid technologies by the US power industry.

Starting in 2014, EIA proposes to collect data to measure the deployment progress of advanced smart grid measurement technologies, the Phasor Measurement Units (PMUs) and Dynamic Capability Rating Systems (DCRSs), across the US.

4.8 ERO – RAPA Update – Joe Spencer, SERC Reliability Corporation

Joe Spencer presented an update on the ERO – Reliability Assessment and Performance Analysis (RAPA) group and its impact on the Planning Committee. ERO-RAPA is currently working on a common classification approach across all NERC Regions of what defines a Special Protection System.

4.9 Reliability Issues Steering Committee (RISC) – Andy Rodriguez

Andy Rodriguez presented an update on the Reliability Issues Steering Committee and its impact on the Planning Committee.

The Reliability Issues Steering Committee (RISC) is an advisory committee that reports directly to the NERC Board of Trustees (the Board) and triages and provides front-end, high-level leadership and accountability for nominated issues of strategic importance to bulk power system (BPS) reliability

5. Status Reports – No Presentation Given

All items in this section did not have presentations to the PC and were provided as written status reports.

Adjournment

Chair Mitchell adjourned the meeting at Noon (MST)

From: [Wanda Peoples](#)
To: [Wanda Peoples](#)
Subject: NERC Announcement: Standing Technical Committee's Meetings
Date: Wednesday, August 22, 2012 4:14:43 PM
Importance: High

Meeting Announcement

Standing Technical Committee's Meetings

September 18 - 19, 2012 | St. Louis, MO

Meeting Location and Lodging – [Hotel Reservation Link](#) or call 888-421-1442

Hyatt Regency St. Louis at The Arch Hotel

315 Chestnut Street

St. Louis, MO 63102

314-655-1234

Room Block Code: NERC - \$149/night group rate + tax

Hotel cut-off date: August 27, 2012 NOTE: After the cut-off date the hotel will release this block of rooms and only accept reservations on a space-available basis at the prevailing room rate

Room block available from: 9/17 – 9/18/2012 (with limited guest rooms available from 9/15 – 9/20/2012)

Check-in: 3 p.m., **Check-out:** Noon - Check with the hotel directly for early cancellation/departure fees

Group Name	Registration Link	Monday, September 17 Hyatt Regency St. Louis at The Arch	Tuesday, September 18 Hyatt Regency St. Louis at The Arch	Wednesday, September 19 Hyatt Regency St. Louis at The Arch
EAS	EAS Registration	EAWG 1 p.m. – 5 p.m. Room: Regency E		
OC/PC Executive Joint Meeting			OC Exec/PC Exec Working Breakfast 7:30 a.m. – 9 a.m. Room: Regency C	
REMG			REMG 11 a.m. – Noon Room: Regency C	
Cyber Vulnerability Assessment Workshop	Cyber Registration		Cyber Vulnerability Assessment Workshop 7:30 a.m. - Noon Room: Grand AB	
Operating Committee	OC Registration		OC Exec Committee 9 a.m. – 11 a.m. Room: Sterling 4 OC Working lunch	OC 8 a.m. – Noon Room: Regency D

			Noon. – 1 p.m. Room: Regency A	
			OC 1 p.m. – 5 p.m. Room: Regency D	
Planning Committee	PC Registration		PC Exec Committee 9 a.m. – 11 a.m. Room: Sterling 5 PC Working lunch Noon – 1 p.m. Room: Regency A PC 1 p.m. – 5 p.m. Room: Regency C	PC 8 a.m. – Noon Room: Regency C
Critical Infrastructure Protection Committee	CIPC Registration	CIPC Exec Committee 5 p.m. – 7 p.m. Room: Sterling 4	CIPC Working lunch Noon – 1 p.m. Room: Grand C CIPC 1 p.m. – 5 p.m. Room: Regency EF CIPC Exec Committee 5 p.m. – 7 p.m. Room: Sterling 4	CIPC 8 a.m. – Noon Room: Regency EF

NERC will provide a working lunch for OC, PC and CIPC on 9/18 noon, prior to their respective committee meeting. Schedule includes other associated NERC meetings.

When making your hotel reservation, please be sure to mention “NERC” to get the preferred rate and ensure your reservation is credited to the NERC room block. The hotel will charge NERC a penalty if the total rooms blocked for this event are not picked up. Also, if you use a travel agency for your travel plans, please make sure the agency mentions NERC. For more information or assistance, please contact Wanda Peoples.

For more information or assistance, please contact [Wanda Peoples](#) (via email) or at **404.446.2560**

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Planning Committee Agenda

September 18-19, 2012

Hyatt Regency St. Louis at The Arch
315 Chestnut Street
St. Louis, MO, 63102
314-655-1234

Introductions and Chair's Remarks

NERC Antitrust Compliance Guidelines and Public Announcement

Agenda

1. Administrative

- 1.1. Arrangements of Location
- 1.2. Safety Briefing and Identification of Exits
- 1.3. Declaration of Quorum
- 1.4. Planning Committee Membership (2012-2014)*
- 1.5. Planning Committee Roster*
- 1.6. Future Meeting Schedule

Future Meeting Dates	Time	Location	Hotel
October TBD, 2012	TBD	G-E Interdependency Webinar	N/A
November TBD, 2012	3PM to 4PM (Eastern)	LTRA and Winter Assessment Webinar	N/A
December 12 December 13	1PM to 5PM (Eastern) 8AM to 12PM (Eastern)	Atlanta, GA, USA	Westin Buckhead
March 2013	1PM to 5PM (Eastern) 8AM to 12PM (Eastern)	TBA	TBA
June 2013	1PM to 5PM (Eastern) 8AM to 12PM (Eastern)	TBA	TBA
September 2013	1PM to 5PM (Eastern) 8 AM to 12PM (Eastern)	TBA	TBA
December 2013	1PM to 5PM (Eastern) 8AM to 12PM (Eastern)	TBA	TBA

- 1.7. Presentation Posting Schedule

2. Consent Agenda

- 2.1. Approve – [June 2012 Minutes](#)*
- 2.2. Agenda Approval

3. Committee Matters

- 3.1. Approve – Planning Committee Charter* – Eric Rollison, NERC Staff
- 3.2. Approve – Frequency Response Initiative** – Bob Cummings, NERC Staff
- 3.3. Approve – TADS Reporting Enhancements* – Jake Langthorn, TADS Chair
- 3.4. Approve – IVGTF Task 1-3 Report* – Eric Rollison, NERC Staff
- 3.5. Approve – Deferral of Smart Grid Task Force Work Plan to 2014 – John Moura, NERC Staff
- 3.6. Request Comments – Proposed Improvements for NERC MOD Standards – Chuck Chakravarthi, Southern Company
- 3.7. Request Comments – SPS/RAS Reference Document** – John Simonelli, SAMS Chair, ISO-New England / Bill Miller, SPCS Chair, Commonwealth Edison
- 3.8. Request Comments - *Considerations for Maintenance and Testing of Autoreclosing Schemes Whitepaper*-SPCS/SAMS** – John Simonelli, SAMS Chair, ISO-New England / Bill Miller, SPCS Chair, Commonwealth Edison
- 3.9. Request Comments - *Condition Driven Index (CDI) Draft White Paper**
- 3.10. Request Reviewers of Bulk Electric System Draft Report Sections
 - 3.10.1. 100 kV Transmission Threshold whitepaper of PC ExCom
 - 3.10.2. Generator Threshold Report of RAS
 - 3.10.3. Reactive Power Threshold / Powerflow out of local networks
 - 3.10.4. Request Volunteers to participate in the Model Valuation Field Trial – Eric Allen, NERC Staff
 - 3.10.5. Request Reviewers for Future Reports
 - 3.10.6. Winter Reliability Assessment – *Expected date: Late October 2012*
 - 3.10.7. Integrating Variable Generation Task Force Reports
 - 3.10.7.1. Task 1-6: Probabilistic Methods for Variable Generation – *Expected: October 2012*
 - 3.10.7.2. Task 2-2: Balancing Authority Communications – *Expected: October 2012*

4. Discussion Items

- 4.1. Gas-Electric Interdependencies: Pipeline Perspectives – Industry Overview and Discussion – David Jewell, CenterPoint Energy
- 4.2. Gas-Electric Interdependency Phase II Update – John Moura, NERC Staff
- 4.3. NERC Standards Committee Requests for Research – Howard Gugel, NERC staff
- 4.4. Planning Committee Response to Recommendations of Arizona-Southern California Outage Report – Jeff Mitchell, PC Chair
- 4.5. BES Definition Progress Report -
 - 4.5.1. 100 kV Threshold – Jeff Mitchell
 - 4.5.2. Generator Threshold – Vince Ordax
 - 4.5.3. Reactive Power Threshold – Bill Harm
 - 4.5.4. Powerflow out of local networks – Bill Harm
- 4.6. 2012 Long-Term Reliability Assessment Highlights – Eric Rollison, NERC Staff
- 4.7. EIA Data Collection Effort for Bulk Power System Smart Grid Devices – Orhan Yildiz, EIA
- 4.8. ERO – RAPA Update – Joe Spencer, SERC Reliability Corporation
- 4.9. Reliability Issues Steering Committee (RISC) – Andy Rodriguez, NERC Staff

5. Subcommittee Reports Status Reports (No Presentations)

- 5.1. Reliability Assessment Subcommittee
- 5.2. Performance Analysis Subcommittee
- 5.3. System Analysis and Modeling Subcommittee
- 5.4. System Protection and Control Subcommittee
- 5.5. Geomagnetic Disturbance Task Force
- 5.6. Protection Systems Misoperations Task Force Update

*background materials included

**background materials will be provided prior to the meeting.

Attendees
Planning Committee Meeting
St. Louis, Missouri - September 18-19, 2012

PC Officers

Chairman Jeffery Mitchell

Secretary Eric Rollison

Voting PC Members

Investor-owned Utility - David Weaver

Investor-owned Utility – Kenneth Donohoo

State/municipal Utility -

State/municipal Utility - Brian Keel

Cooperative Utility – Paul McCurley

Cooperative Utility – Jay Farrington

Federal/Prov. Utility – Gayle Nansel

Federal/Prov. Utility - Ron Mazur

Federal/Prov. Utility –

Federal/Prov. Utility – Serge Fortin

Trans. Dependent Utility - Kevin Koloini

Trans. Dependent Utility -

Merchant elec. Generator – Scott Helyer

Merchant elec. Generator–Chris Orzez (prxy
Zadlo)

Small end-use customer – Darryl Lawrence

Small end-use customer –

ISO/RTO - Mark Westendorf

ISO/RTO - Dan Rochester

RRO/ERCOT – Dan Woodfin

RRO/FRCC – Pedro Modia

RRO-MRO - Dale Burmester

RRO-NPCC – Phil Fedora

RRO-RFC - Paul Kure

RRO-SERC –Clay Young

RRO-SPP – Noman Williams

RRO-TRE – Blake Williams

RRO-WECC - Branden Sudduth

State government -

State government – Parveen Baig

Electricity Marketer – Jason Marshall

Electricity Marketer – Steven Huber

Jake Langthorn, TADS Chair

John Simonelli, SAMS Chair

K. R. Chakravarthi, SAMS VC

Guests

David Jewal, CNP

Joe Spencer, SERC

Mike Pakltis, CNP

Mark Kuras, PJM

Bill Harm, PJM

Jonathan Hayes, SPP

Ed Pfeiffer, Quanta

NERC Staff

Michelle Marx

Bob Cummings

John Moura

Jessica Bian

Non-Voting Members

U.S. Federal – Mk Shean, FERC

PC Subgroup Chairs

Bill Adams, Chair PAS

Vince Ordax, Chair RAS

Chair SPCS, Bill Miller

