

## Draft Minutes Planning Committee Meeting

June 19, 2012 | 1:00-5:00 p.m. EDT  
June 20, 2012 | 8:00 a.m.-Noon EDT

Toronto Airport Marriott  
901 Dixon Road  
Toronto  
Ontario, Canada  
416-674-9400

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:

- Paul Metsa for Christian DeGuire
- Alfred B. Corbett 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 and one vacancy in the electricity marketer sector, leaving 25 active voting members. The meeting quorum was satisfied by 25 voting members or their proxies being present. Eric Rollison, secretary of the PC, declared a quorum was present.

Paul Murphy, President and CEO of the Independent System Electric Operator (IESO) of Ontario gave the Canadian Welcome to the Planning Committee.

David Goulding, NERC Board Member, provided his views on a number of topics related to reliability and next steps for the NERC BOT to the PC.

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
September 18 September 19	1PM to 5PM (Central) 8AM to 12PM Central	Saint Louis, Missouri, USA	Hyatt at the Arch
TBD	TBD	LTRA Webinar	n/a
October 30	3PM - 4PM (Eastern)	Winter Assessment Webinar	n/a
December 12 December 13	1PM - 5PM (Eastern) (8AM-noon Eastern)	Atlanta, GA, USA	Westin Buckhead
March 2013 March 2013	1PM - 5PM (Eastern) 8AM - Noon(Eastern)	TBA	TBA

**2. Consent Agenda**

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

- 2.1 **Approve** – March 2012 Phoenix Meeting Minutes
- 2.2 **Approve** – April 2012 Conference Call Meeting Minutes
- 2.3 **Approve** – May 2012 Conference Call Meeting Minutes
- 2.4 **Approve** – June 2012 Meeting Agenda

A motion was made by Stuart Nelson to approve the Consent Agenda.

The motion was seconded and approved via voice vote.

**3. Committee Matters – Actions to be Taken**

**3.1 Approve – Reliability Assessment Guidebook version 3.1**

John Moura, NERC Staff, announced that NERC staff was presenting this document for approval by the PC and that it had addressed all suggested enhancements and comments. Three PC members had volunteered to provide comments.

- Russ Schlusser, PC Member, Regional Representative
- Tom Reedy, PC Member, Transmission Dependent Utility Sector
- Christine Ericson, PC Member, State Government Representative

Russ Schlusser indicated that all of his comments had been addressed and had no additional comments. Tom Reedy indicated that his spelling and grammar corrections had been addressed and had no additional comments on the document.

Christine Ericson indicated that the final product had included useful edits and recommended that future version more clearly indicate the role of the PC versus of the Operating Committee (OC) in development of assessments. Ms. Ericson also noted that timing is an issue in the development of these assessments and all NERC assessments should strive to enhance transparency.

Ms. Ericson also noted that the level of reliability gained by the transparency of these assessments does not incorporate the cost-effectiveness of producing these reports. The burden of data collection on stakeholders is not incorporated into the assessments currently.

Chair Mitchell asked if Ms. Ericson wished to incorporate these comments in the current version up for approval or the next version. Ms. Ericson indicated that the next version of the document should contain these enhancements.

John Moura also indicated that next version of the *Reliability Assessment Guidebook* will incorporate more transparency on the use of Adequate Level of Reliability Metrics.

Vince Ordax, Chair of the Reliability Assessment Subcommittee (RAS), asked whether NERC staff, the Planning Committee, or the RAS has responsibility to maintain and update the Guidebook. John Moura indicated that the RAS has ownership of the Guidebook, with any suggested changes or updates requiring approval by the PC.

Dan Rochester motioned for approval of the Guidebook. The motion was seconded and approved via voice vote.

### **3.2 Approve – 2012 Probabilistic Assessment Report**

Kevan Jefferies, Probabilistic Assessment Chair, presented the highlights of the *2012 Probabilistic Report* for approval to the PC. RAS is requesting approval on the probabilistic assessment pilot, which includes both the 1) Format of assessment results for future years and 2) recommendations. Full participation is recommended for the next *Probabilistic Assessment Report* (to be completed in 2013) and that the RAS should perform this assessment on a biennial basis.

Upon PC approval of this document and its recommendations, the next Probabilistic Assessment will be completed in spring of 2013 using the *2012 Long Term Reliability Assessment* reference case data. The report will study the years of 2014 and 2016 and the assessment will include complete coverage of all assessment areas.

Phil Fedora, PC Member, Regional Representative (NPCC), motioned to approve the report and its recommendations. The motion was seconded and approved via voice vote.

### **3.3 Approve – Spare Equipment Data Working Group (SEDWG) Scope**

Dale Burmester, PC Member and Chair of the Spare Equipment Data Task Force (SEDTF) presented the scope for the creation of the SEDWG under the Performance Analysis Subcommittee. The objective of the SEDWG would be to review the industry's participation in the Spare Equipment Database (SED), make determinations whether to include other long lead-time electric transmission system equipment, and perform periodic assessments of the scenarios and transformer spare capability offered by the system.

David Weaver, PC Member, Investor Owned Utility Sector, asked how the training material for the launch of the SED was communicated to the industry participants. Jessica Bian, NERC staff, indicated that the information was sent to Generator Owners (GO), Transmission Owners (TO), and Transmission Operators (TOP).

Jeff Mitchell, PC Chair, asked what type of assessments the SEDWG would be performing on the data. Dale Burmester indicated that they would need to perform further research on this question and report back to the PC.

Mr. Burmester asked if the PC needed to first vote to unwind the SEDTF before initiating the SEDWG. Mark Lauby, NERC Staff, indicated that there is not a need to unwind the SEDTF, and that the SEDWG is merely a name change, and will continue to call for members to populate its roster.

Jeff Mitchell indicated that term limits and normal specifics as called out in the PC Charter will apply to the operation of this working group.

Noman Williams, PC Member, Regional Representative (SPP) motioned to approve the scope as drafted. The motion was seconded and approved via voice vote.

### **3.4 Approve - Standards Driven Index**

Bill Adams, Chair of Performance Analysis Subcommittee (PAS), presented the Standards Driven Index (SDI) proposal for consideration by the PC. The proposal includes recommending the following review process for the document, when completed: 1) Collaborating with the Compliance and Certification Committee (CCC) to validate SDI trends and 2) Consulting with the CCC on composition of SDI bell-weather metrics as standard requirements evolve.

Jason Marshall, PC Member, asked what the violation's data source would be included in SDI index. Jessica Bian, NERC staff, indicated that it would include unmitigated, confirmed violations. Jason Marshall followed up with a question regarding whether the length of the violation is considered. Jessica Bian indicated that the length of violation is considered in the SDI.

Jason Marshall inquired who produces the severe impact risk statement. Jessica Bian indicated that this statement is determined by the Regional Entities who file violations, and it incorporates a number of factors including timing, size of entity, and impact to the bulk electric system.

Ron Mazur asked if there were any long-term conclusions to draw at this point of the analysis. Bill Adams indicated that at this time, there are no long-term conclusions.

Ron Mazur, PC Member, Federal / Provincial Sector, motioned to approve the report and its recommendations. The motion was seconded and approved via voice vote.

### **3.5 Approve – Protection System Operations Reporting**

Jonathan Sykes, Chair of System Protection and Controls Subcommittee (SPCS), presented an update that reviewed industry comments on the protection system misoperation reporting template and assess use of total protection system operations in reliability metric ALR4-1. The SPCS recommended that template be revised to collect the total number of protection system operations. By revising the template, previous concerns about consistency and time burden are addressed and it improves the calculation of the ALR 4-1 metric by obtaining numerator (misoperations) and denominator (total operations) from a common data source.

Mark Kuras, guest, PJM, asked about the relationship of this effort to the PRC-004 drafting team effort. Jonathan Sykes indicated that they are in communication with the PRC-004 drafting effort, and the hope is that the PRC-004 drafting team adopts this template. However, SPCS is not recommending that the PRC-004 adopt this template.

David Weaver, PC Member, IOU Sector, raised a question regarding the scope of operations included in the template – are only BES elements included? He also raised concern that this data is being collected outside of the Transmission Availability Data System (TADS). Jonathan Sykes indicated that TADS currently does not collect data down to 100kV, while the template will capture these misoperations. He also noted that the template is on the NERC website for review and additional comments.

Ken Donohoo questioned if the template captures generation system issues, such as generation protection system misoperations. Jonathan Sykes responded that some areas do capture generation protection system misoperations, but not all.

David Weaver, PC Member, Investor Owned Utility Sector, indicated that he understands the need to collect the data, but disagrees with the method of collection. Jessica Bian responded that this is one additional field on an existing template.

Phil Fedora, PC Member, Regional Representative (NPCC) motioned for approval. The motion was seconded and approved via voice vote.

### **3.6 Approve – Geomagnetic Disturbance Task Force (GMDTF) Phase 2 Project Plan**

Greg Henry, NERC Staff, presented the GMDTF Phase 2 Project Plan for review and approval by the PC. This plan addresses all of the recommendations directed to NERC in the Interim Geomagnetic Disturbance Report.

Mark Lauby, NERC staff, indicated that this plan empowers the Planning Coordinators to complete detailed assessments of their system to solar storms, but NERC wants to assess the overall impact to reliability from these events.

David Weaver, PC member, IOU Sector, wanted to know if NERC quantifies the risk from this event as small, what would be the next steps from NERC in response. Mark Lauby responded that quantifying the risk to the system by performing system studies and detailed analyses will help the industry as a whole prepare and respond to a large event, such as this.

Christine Ericson, PC member, State Representative, wanted to know what the time frame for completion of the study work. Greg Henry indicated that the GMDTF will work within the time frames as specified and work to deliver products in the quickest manner possible to address this threat.

Ron Mazur PC Member, Federal and Provincial Sector motioned for approval of the Phase 2 Project Plan. The motion was seconded and approved via unanimous voice vote.

### **3.7 Approve – TADS 100-199kV Automatic Outage Data Request**

Jake Langthorn, TADSWG Chair, presented the TADSWG data request to coincide with the 100-199 kV BES definition in the calendar year following approval of the BES definition by FERC.

Dale Burmester questioned if NERC had the authority to enforce this data request if FERC does not approve the BES definition as drafted. Mark Lauby indicated that there is no compliance enforcement mechanism for failing to respond to a TADS data request.

Jake Langthorn indicated that TADS users would need approximately six (6) months after the FERC approval of the BES definition to begin collecting this data from TADS users.

A motion was made by David Weaver to approve this data request, as specified. The motion was seconded and failed by voice vote.

A second motion was made by Jason Marshall, PC Member, to table discussion on this item until the September PC meeting, when more information about the FERC approval of the Bulk Electric System definition will be known. This motion was seconded and was approved by unanimous voice vote.

### **3.8 Request Additional Reviewers for 2012 Long Term Reliability Assessment**

John Moura, NERC staff, requested additional PC members to volunteer for reviewing portions of the 2012 Long Term Reliability Assessment (LTRA). Dan Rochester, PC Member, ISO/RTO Sector volunteered to review the NERC Section of the 2012 LTRA.

Reviewers of the 2012 LTRA are as follows:

- NERC Section Reviewers: Ben Crisp and Paul Kure, and Dan Rochester
- Regional Section Reviewers: to be named

### **3.9 Request Reviewers for 2012/2013 Winter Reliability Assessment**

John Moura, NERC staff, requested PC members to volunteer to review the 2012/2013 Winter Reliability Assessment, scheduled for approval in late October / early November 2012. Stuart Nelson, PC Member and Bing Young, PC Member volunteered to review the document.

### **3.10 Request Reviewers for DRAFT Preliminary Special Reliability Assessment Whitepaper: Assessment of the extended loss of space-based positioning, navigation and timing**

Mark Lauby, NERC staff, requested volunteers to review the Draft assessment which focused on assessing impacts on the extended loss of space-based positioning, navigation and timing. Dale Burmester and Tom Reedy volunteered to review and provide feedback on the assessment.

### **3.11 Request Reviewers for Gas Electric Interdependency Phase 2 Report**

John Moura, NERC Staff, requested PC members to volunteer to review the Phase 2 draft report when complete. The following PC members volunteered to review the draft report:

- Phil Fedora
- Brian Keel
- David Weaver
- Paul McCurley
- Mark Westendorf

### **3.12 Request Reviewers on Smart Grid Task Force (SGTF) Phase 2 Scenarios**

Paul McCurley, SGTF Chair and PC Member, presented updated Phase 2 scenarios for the SGTF work-plan for comment and review by the PC. At this time, no members volunteered to provide PC comments, however, individuals can submit comments to Jessica Bian, Matthew Varghese or Paul McCurley for incorporation into the document.

## **4.0 Discussion Items**

### **4.1 Eastern Interconnection Planning Collaborative (EIPC) Update**

David Whiteley, EIPC, presented an update on the work that EIPC was completing under a United States Department of Energy (DOE) contract, with a final product released by the end of 2012.

The result of this study, which was only completed for the Eastern Interconnection, was developed from a widely composed stakeholder body, including representation from the states. This was not an industry driven effort. EIPC also allowed the stakeholders of this process to select the scenarios which should be studied.

The 30 percent mandate selected by EIPC is not a nation-wide renewable portfolio standard (RPS), as most states have varied RPS targets. The 30 percent target studied by EIPC is a policy driven target, not an engineering based number.

CRA provided the baselines for the 2030 study year. Estimates of cost within the study have not been completed, but should be within the next few months.

#### **4.2. NERC Board of Trustees Committee actions impacting the Planning Committee**

Mark Lauby, NERC staff, provided an update from the most recent NERC Board of Trustees (BoT) meeting in Arlington, Virginia, USA to the PC. Gerry Cauley mentioned three specific areas of highlight for NERC at the past BOT meeting:

1. The quality of the work and analysis presented in the Joint FERC-NERC Arizona-Southern California Blackout report
2. The recommendations offered by the Standards Process Input Group (SPIG)
  - a. The BoT agreed to the creation of a Reliability Issues Steering Committee to prioritize work within NERC and the Technical Committee.
  - b. The charter of this committee will be up for review and approval at the August 2012 BoT meeting
3. The success of the Find, Fix, and Track Initiative in improving reliability and compliance to standards.

NERC is continuing to accept comments on 2013-2015 Business Plan and Budget and we appreciate the time stakeholders have taken to file comments. Additionally, NERC staff also appreciates the support of the Technical Committees in reviewing and approving both the Cyber Attack Task Force report and the Severe Impact Resilience Task Force report.

#### **4.3. 2011 Arizona–California Southwest Blackout Update and Recommendations Review**

Bob Cummings, NERC staff, presented the results of the Arizona-Southern California Outage report. Jeff Mitchell, Chair, indicated that the Planning Executive Committee (PC ExCom) is in process of prioritizing the recommendations from the report for future PC work. More information will be provided to the PC at the September meeting in St. Louis.

#### **4.4. BES Definition progress report and schedule for next steps\***

Jeff Mitchell, PC Chair, provided an update on the PC ExCom's work on defining Transmission thresholds of the Bulk Electric System. At this time, no technical alternative has been selected.



Vince Ordax, FRCC, provided an update from the Reliability Assessment Subcommittee's (RAS) work on identifying generator thresholds for the definition of the Bulk Electric System. At this time, no technical alternative has been selected.

Bill Harm, PJM, provided an update from the System Analysis and Modeling Subcommittee's (SAMS) work on identifying thresholds for reactive power sizing and powerflow out of local networks. Technical alternatives have been selected by the SAMS, however, these alternatives will be subject to review and endorsement by the PC prior to submission to the Standards Committee.

#### **4.5. NASPI Status Update**

Bob Cummings, NERC Staff, provided a status update on activities on-going at the North American Synchro-Phasor Initiative (NASPI). Bob outlined the structure of a future proposal for the PC's review of a Joint Synchronized Information Subcommittee (JSIS) between the NERC PC and NASPI.

#### **4.6. HydroOne approach to assessing Transformer Vulnerability to Geomagnetic Storms**

Luis Marti, PhD, HydroOne, presented HydroOne's approach to assessing system reliability and transformer vulnerability to geomagnetic storms. Given the contentious nature of this subject area, the industry needs to move away from opinions and into quantifiable results which pass engineering and scientific scrutiny.

#### **4.7. CIP Standards Development Update (impact of CIP v5 standards to blackstart resources)**

Mike Moon and Steve Noess, NERC Staff, presented an update to the Planning Committee on the progress of development on Critical Infrastructure Protection (CIP) version 5 standards. Changes have been made to the current draft of version 5 standards that further limits their impact to blackstart resources.

#### **4.8. Reliability Risk and Control**

Mark Lauby, NERC Staff, presented a discussion item on indentifying high priority reliability risks and instituting controls to manage and mitigate their impact on the Bulk Electric System. The BOT Reliability Issues Steering Committee (RISC) will be highly engaged in directing this effort for NERC. The NERC BoT will be discussing this issue in more depth at its August meeting in Québec City, Canada.

#### **4.9. ERAG Model Validation Update and Next Steps**

Vince Ordax, FRCC, provided an update to the PC on the work of the Eastern Interconnection Reliability Assessment Group (ERAG). ERAG will address the issues raised by the EIPC study at its next meeting.

#### **4.10. ERO RAPA Update**

Joe Spencer, SERC, presented an update from the ERO-RAPA group on current activities and upcoming projects of interest to the Planning Committee, including the collection of Special Protection Scheme / Remedial Action Scheme data. Mr. Spencer indicated the group is looking to forge some regional consistency for the operation of SPS, and will submit its comments to the Standards drafting team.

#### **4.11. 2012 Emerging Issues for Long Term Reliability Assessment Survey**

Eric Rollison, NERC Staff, provided a brief overview of the Emerging Issues to be covered in the 2012 LTRA. At the direction of the PC, NERC will reach out to the OC for feedback on these emerging issues as well.

#### **4.12. Gas and Electric Interdependency Update**

John Moura, NERC staff, 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. Mr. Moura also indicated that FERC will be holding Regional Conferences on this issue in the coming months.

#### **4.13. System Protection and Controls Subcommittee**

Jonathan Sykes, Pacific Gas and Electric Company and SPCS Chair, provided an update on the activities of the SPCS and next steps on their current work plan of activities.

#### **4.14. Protection System Misoperations Task Force**

John Seidel, PSMTF Chair, MRO, presented a status report on the first face to face meeting of the Protection System Misoperations Task Force which met officially for the first time in June 2012, after its creation at the March 2012 PC meeting.

#### **4.15. Proposed Changes to Standard Processes Manual (SPM)**

Ben Li, IESO, provided a brief overview of the suggested changes that will be out for industry comment and review in the next draft of the Standards Process Manual. However, all suggested process changes will not affect the ANSI accreditation of the current process.

### **5.0 Subcommittee and Task Force Reports**

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

**From:** [Wanda Peoples](#)  
**To:** [Wanda Peoples](#)  
**Subject:** NERC Announcement: Standing Technical Committee's Meetings  
**Date:** Tuesday, May 22, 2012 4:12:59 PM

## Meeting Announcement

### Standing Technical Committee's Meetings

June 19 - 21, 2012 | Toronto, ON, Canada

**Meeting Location and Lodging – [Hotel Reservation Link](#) or call 800-905-2811**

Toronto Airport Marriott Hotel  
 901 Dixon Road  
 Toronto, ON, Canada M9W 1J5  
 416-674-9400

**Room Block Code:** NERC - \$170/night (CAD) group rate + tax

**Hotel cut-off date: June 4, 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:** 6/18 – 6/20/2012 (with limited guest rooms available from 6/15 – 6/23/2012)

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

Group Name	Registration Link	Monday, June 18 Toronto Airport Marriott	Tuesday, June 19 Toronto Airport Marriott	Wednesday, June 20 Toronto Airport Marriott	Thursday, June 21 Toronto Airport Marriott
EAWG	<a href="#">EAWG Registration</a>	EAWG 1 p.m. – 5 p.m. <a href="#">Room: Salon GH</a>			
OC/PC Executive Joint Meeting			OC/PC Exec Working Breakfast 7:30 a.m. – 9 a.m. <a href="#">Room: Salon F</a>		
REMG			REMG 11 a.m. – Noon <a href="#">Room: Salon GH</a>		
Critical Infrastructure Protection: A Public – Private Responsibility Workshop	<a href="#">CIP Workshop Registration</a>			Critical Infrastructure Protection: A Public – Private Responsibility Workshop 7:30 a.m. - Noon <a href="#">Room:</a>	

Operating Committee	<a href="#">OC Registration</a>		OC Exec Committee 9 a.m. – 11 a.m. Room: Salon F OC Working lunch Noon. – 1 p.m. OC 1 p.m. – 5 p.m. Room: Salon D	Alberta/Quebec OC 8 a.m. – Noon Room: Salon D	
Planning Committee	<a href="#">PC Registration</a>		PC Exec Committee 9 a.m. – 11 a.m. Room: British Columbia PC Working lunch Noon – 1 p.m. PC 1 p.m. – 5 p.m. Room: Salon E	PC 8 a.m. – Noon Room: Salon E	
Critical Infrastructure Protection Committee	<a href="#">CIPC Registration</a>		CIPC Exec Committee 5 p.m. – 7 p.m. Room: Alberta	CIPC Working lunch Noon – 1 p.m.  CIPC 1 p.m. – 5 p.m. Room: Salon D  CIPC Exec Committee 5 p.m. – 7 p.m. Room: Alberta	CIPC 8 a.m. – Noon Room: Salon D

NERC will provide a working lunch for OC and PC on 6/19 and a working lunch for CIPC meeting on 6/20 at 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

June 19-20, 2012

Toronto Airport Marriott  
901 Dixon Road  
Toronto  
Ontario, Canada  
416-674-9400

**Canadian Welcome – Paul Murphy, IESO**

**Introductions and Chair's Remarks**

**Comments - David Goulding, NERC Board of Trustees**

**NERC Antitrust Compliance Guidelines and Public Announcement**

## Agenda

### 1. Administrative - Secretary

- 1.1. Arrangements
- 1.2. Declaration of Quorum
- 1.3. Planning Committee Membership (2011-2013)\*
- 1.4. Planning Committee Roster\*
- 1.5. Future Meeting Schedule

2012 Meeting Dates	Time	Location	Hotel
September 18 September 19	1PM to 5PM (Central) 8AM to 12PM Central	Saint Louis, Missouri, USA	Hyatt at the Arch
TBD	TBD	LTRA Webinar	n/a
October 30	3PM - 4PM (Eastern)	Winter Assessment Webinar	n/a
December 12 December 13	1PM - 5PM (Eastern) 8AM - noon Eastern)	Atlanta, GA, USA	Westin Buckhead
March 2013 March 2013	1PM - 5PM (Eastern) 8AM - Noon(Eastern)	TBA	TBA

## 2. Consent Agenda

- 2.1. Approve – [March 2012 Minutes](#)\*
- 2.2. Approve – [April 2012 Conference Call Minutes](#)\*
- 2.3. Approve – [May 2012 Conference Call Minutes](#)\*
- 2.4. Approve - Agenda

## 3. Committee Matters – Actions to be Taken

- 3.1. Approve – [Reliability Assessment Guidebook Version 3.1](#)\* (no presentation)
  - 3.1.1. Reviewers: R. Schussler, T. Reedy, C. Ericson
- 3.2. Approve – [2012 Probabilistic Assessment Report](#)\* – Kevan Jefferies, Ontario Power Generation
- 3.3. Approve – Spare Equipment Data Working Group Scope\* – Jessica Bian, NERC
- 3.4. Approve – [Standards Driven Index](#)\* – Bill Adams, Georgia Power Co.
- 3.5. Approve – Protection System Operations Reporting\* – Jonathan Sykes, Pacific Gas and Electric
- 3.6. Approve – [Geomagnetic Disturbance Task Force \(GMDTF\) Phase 2 Project Plan](#)\* – Greg Henry, NERC
- 3.7. Approve – [TADS 100-199kV Automatic Outage Data Request](#)\* – Jake Langthorn, Oklahoma Gas and Electric Co.
- 3.8. Request Reviewers – 2012 Long Term Reliability Assessment (no presentation)
  - 3.8.1. NERC section reviewers: B. Crisp and P. Kure
  - 3.8.2. Regional section reviewers: To be named
- 3.9. Request Reviewers – 2012/2013 Winter Reliability Assessment (no presentation)
- 3.10. Request Reviewers – [DRAFT Preliminary Special Reliability Assessment Whitepaper: Assessment of the extended loss of space-based positioning, navigation and timing](#)\* – Mark Lauby, NERC staff
- 3.11. Request Reviewers – Gas and Electric Interdependency Phase 2 Report (no presentation)
- 3.12. Request for Feedback – Smart Grid Task Force (SGTF) Phase 2 Scenarios\* – Jessica Bian, NERC

## 4. Discussion Items

- 4.1. Eastern Interconnection Planning Collaborative Update\* – David Whiteley
- 4.2. NERC Board of Trustees Committee actions impacting the Planning Committee\* – Mark Lauby, NERC (no presentation)
- 4.3. 2011 Arizona–California Southwest Blackout Update and Recommendations Review\* – Bob Cummings, NERC
- 4.4. BES Definition progress report and schedule for next steps\*
  - 4.4.1. 100 kV threshold – PC Executive Committee Chair, Jeff Mitchell
  - 4.4.2. 20/75 MVA generator threshold – Vince Ordax, FRCC
  - 4.4.3. Reactive resource threshold – Bill Harm, PJM
  - 4.4.4. Power flow out of Local Network – Bill Harm, PJM
- 4.5. NASPI Status Update\* – Bob Cummings, NERC
  - 4.5.1. Proposal of a NERC Joint Synchronized Information Subcommittee (JSIS)
- 4.6. HydroOne approach to assessing Transformer Vulnerability to Geomagnetic Storms\* – Luis Marti, PhD, HydroOne
- 4.7. CIP Standards Development Update (impact of CIP v5 standards to blackstart resources)\* – Steve Noess, NERC
- 4.8. Reliability Risk and Control\* – Mark Lauby, NERC
- 4.9. ERAG Model Validation Update and Next Steps\* – Vince Ordax, FRCC
- 4.10. ERO RAPA Update\* – Joe Spencer, SERC
- 4.11. 2012 Emerging Issues for Long Term Reliability Assessment Survey\* – Eric Rollison, NERC
- 4.12. Gas and Electric Interdependency Update\* – John Moura, NERC
- 4.13. System Protection and Controls Subcommittee\* – Jonathan Sykes, Pacific Gas and Electric Company
- 4.14. Protection System Misoperations Task Force\* – John Seidel, PSMTF Chair, MRO
- 4.15. Proposed Changes to Standard Processes Manual (SPM) – Ben Li, IESO

## 5. Subcommittee and Task Force Status Reports – Background Information

- 5.1. Reliability Assessment Subcommittee\* (no presentation)
- 5.2. Performance Analysis Subcommittee\* (no presentation)
  - 5.2.1. TADSWG (no Presentation)
- 5.3. System Analysis and Modeling Subcommittee\* (no presentation)
- 5.4. Integrating Variable Generation Task Force\* (no presentation)
- 5.5. Geomagnetic Disturbance Task Force\* (no presentation)

\*background materials included



**Attendees**  
**Planning Committee Meeting**  
**Toronto, ON - June 19-20, 2012**

**PC Officers**

Chairman Jeffery Mitchell  
Vice Chairman Ben Crisp  
Secretary Eric Rollison

**Voting PC Members**

Investor-owned Utility - David Weaver  
Investor-owned Utility – Kenneth Donohoo  
State/municipal Utility - Stuart Nelson  
State/municipal Utility - Brian Keel  
Cooperative Utility – Paul McCurley  
Cooperative Utility – Jay Farrington  
Federal/Prov. Utility – Paul Metsa (proxy)  
Federal/Prov. Utility - Ron Mazur  
Federal/Prov. Utility – Bing Young  
Federal/Prov. Utility –  
Trans. Dependent Utility - Kevin Koloini  
Trans. Dependent Utility - Tom Reedy  
Merchant elec. Generator –  
Merchant elec. Generator –  
Small end-use customer –  
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 - Russell Schussler  
RRO-SPP -  
RRO-WECC - Branden Sudduth  
State government - Christine Ericson  
State government – Parveen Baig  
Electricity Marketer – Jason Marshall

**Non-Voting Members**

U.S. Federal – Alfred B. Corbett, FERC

**PC Subgroup Chairs**

Bill Adams, Chair PAS  
Vince Ordax, Chair RAS  
Jonathan Sykes Chair SPCS  
Jake Langthorn, TADS Chair

**Guests**

Ray Kershaw ITC Holdings  
Joe Spencer, SERC  
Kevin Berent, NATF  
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