



1040 Avenue of the Americas - 10<sup>th</sup> Floor  
New York, New York 10018-3703

## **NPCC Regional Standards Committee**

### **Minutes**

### **Meeting # 11-3**

May 18, 2011 10:00 a.m. - 5:00 p.m.

May 19, 2011 8:00 a.m. - 3:00 p.m.

Hampton Inn & Suites  
Saratoga Springs Downtown  
Saratoga Room A&B  
25 Lake Avenue

Dress Business Casual

[RSC@npcc.org](mailto:RSC@npcc.org)

*Call in 719-785-1707, Guest Code 8287#*

Items in red from May 18, 2011.

Items in green from May 19, 2011.

Meeting called to order at 10:00 a.m.

Meeting called to order at 8:00 a.m.

Guy Zito reminded everyone that the RSC Meeting is open, and anyone can call in, and proper decorum is to be observed. Brian Gooder and David Kiguel suggested that a list of all those on the phone be obtained.

Guy Zito introduced the topics to be covered on the Agenda. He mentioned that an item was added to Item 5 regarding a notice of a deficiency in planning for N-1 overloads that FERC issued. Guy Zito asked if there were any items to be covered May 18, 2011 because of attendees' schedules. Brian Gooder asked that the BES items be addressed. Mike /Garton said that because of conflicting obligations he would only be calling in for about 1 hour at tomorrow's session. Guy Zito stressed that he needs RSC thoughts on

cost effectiveness, and the proposed triage process. Need to develop recommendations for the TPL and TOP postings. The revisions to the RSC Scope document also need to be gone over so it can be presented to the NPCC Board of Directors. The NPCC Regional Standard Development Process worked on by Brian Gooder and Kurtis Chong needed to be reviewed. There are also informational items on the Agenda. Directives will be looked at to prepare for actions that may be needed. Guy Zito will take advantage of the resources available in the NPCC Staff, and if necessary seek legal assistance from Margaret Mayora.

**Note:** Glossary of Terms Used in NERC Reliability Standards dated March 15, 2011 included in the Meeting Materials.

**1. Introductions-Agenda Review-Roster**

**Attendees**

		<b><u>Name</u></b>	<b><u>Organization</u></b>	<b><u>Sector</u></b>
1.		Michael R. Lombardi	Northeast Utilities	1
2.		Si Truc Phan	Hydro-Quebec TransEnergie	2
3.		Brian Gooder (5/18/11)	Ontario Power Generation Incorporated	4
4.		Kurtis Chong	Independent Electricity System Operator	2
5.		Chris de Graffenried	Consolidated Edison Co. of New York, Inc.	1
6.		Ron Falsetti (guest)	AESI (consultant)	
7.		Gerry Dunbar	Northeast Power Coordinating Council	
8.		Randy MacDonald	New Brunswick Power Transmission	1
9.		Lee Pedowicz	Northeast Power Coordinating Council	
10.		Guy Zito	Northeast Power Coordinating Council	
11.		Kathleen Goodman	ISO - New England	2
12.		Alan Adamson	New York State Reliability Council, LLC	8
13.		Greg Campoli	New York Independent System Operator	2
14.		Ben Wu	Orange and Rockland Utilities, Inc.	1
15.		David Kiguel	Hydro One Networks Inc.	1
16.		Donald Weaver	New Brunswick System Operator	2

**On the Phone** (Webex made available)

		<b>Name</b>	<b>Organization</b>	<b>Sector</b>
1.		Brian Evans-Mongeon (5/18/11)	Utility Services	5
2.		Don Nelson (guest, 5/18/11)	Massachusetts Department of Public Utilities	
3.		Kal Ayoub (guest)	FERC	
4.		Mike Garton	Dominion Resources Services, Inc.	4
5.		Ralph Rufrano (5/19/11)	Northeast Power Coordinating Council	

2. **RSC March, 2011 Meeting Minute Approval and Antitrust Guidelines**

(in Meeting Materials Package)

- a. Discussion of the March, 2011 Meeting minutes.

Lee Pedowicz read the NPCC Antitrust Compliance Guidelines.

The minutes of the March 16-17, 2011 RSC Meeting were reviewed, and Kurtis Chong's comments were discussed as follows:

KBC1 (Item 9d, p. 6)--A GO/TO group was formed that produced a white paper that said a SAR should be initiated. The minutes were to be left as is.

KBC2 (Item 9e, p. 6)--To be left as is. Did not have information to make the change.

KBC3 (Item 9e, p. 6)--"Duplicity" will be changed to duplication.

KBC4 (Item 5, p. 15)--To be left as is.

KBC5 (Item 5, p. 15)--It was suggested to change the wording "...CAN can alter.. to "...should not alter...". Chris de Graffenried provided the following wording:

KBC6 (Action Item 68, p. 23)--"Definition" will be changed to clarification.

Minor editorial changes were noted.

A motion was made by David Kiguel to approve the Minutes as revised. Seconded by Michael Lombardi, and approved.

3. **Action Item Assignment List and Ongoing Assignments** (in Meeting Materials Package), (Refer to Action Item Table [Item 65] at the back of Agenda)

- a. NPCC Members on NERC Drafting Teams

4. **Review Executive Tracking Summary** (in Meeting Materials Package)

- a. Review entries.

Michael R. Lombardi plans on updating once a week. Guy Zito and Brian Gooder suggested that Michael R. Lombardi send out the updates to the RSC. Michael R. Lombardi will send out the updates. Lee Pedowicz will post the updates on the NPCC Website.

- b. Adding Canadian Province information to be considered. Each Province to present how their jurisdictions handle Standards effective dates.

This is not going to be done. David Kiguel reported that Ontario will soon accept the FERC effective dates. Brian Gooder reported that in July

implementation plans in Ontario will be coordinated with what is being done in the United States.

5. **FERC** (in Meeting Materials Package)

a. March 17, 2011 public meeting.

Item	NOPR	Docket No.	Posted	End Date	When Effective
T1					
T2					

Item	FERC Orders	Docket No.	Posted	Summary
U1	Order No. 743-A	RM09-18-001	3/17/11	Reaffirms the Nov., 2010 rule that gaps in the coverage of facilities under the definition of Bulk Electric System could compromise reliability.
U2	Order No. 748	RM10-15-000	3/17/11	FERC approves IRO, EOP, and TOP standards.
U3	Order No. 749	RM10-16-000	3/17/11	FERC approves three EOP standards, and the definition of Blackstart Resource.
U4	Order on Compliance Filing	RR09-6-003	3/17/11	FERC directed NERC to propose revisions that would address the conflict between NERC's existing Standards Development Process and its obligation as the ERO to comply with Commission directives under section 215(d)(5) of the Federal Power Act (FPA) to submit a new or modified Reliability Standard.
U5	Petition of the North American Electric Reliability Corporation for Approval of Four Transmission Planning System Performance Reliability Standards and Retirement of Four Existing Reliability Standards	<a href="#">RM06-16-009</a> (large file, not in Meeting Materials)	3/31/11	NERC seeks approval of revised standards TPL-001-1, TPL-002-1b, TPL-003-1a, and TPL-004-1. NERC seeks approval of the retirement of TPL-001-0.1, TPL-002-0b, TPL-003-0a, and TPL-004-0.

U6	Order No. 750	RM10-8-000	4/26/11	FERC approved NERC's interpretation of IRO-005-1, R12, and TOP-005-1, R3. Effective date 5/26/11.
U7	Electric Reliability Organization Interpretation of Transmission Operations Reliability	RM10-29-000	4/26/11	FERC proposes to approve NERC's interpretation proposed interpretation of TOP-001-1, R8. Comments are due June 27, 2011.
U8	Order No. 752	RM09-14-000	4/27/11	FERC approved TOP-007-WECC-1.
U9	Request for NERC response to data Request. NERC survey.	<a href="#">RM11-11-000</a> (reference <a href="#">RM06-22-000</a> ) (large file, not in Meeting Materials)	4/12/11	FERC request to NERC for information regarding CIP Version 4 filing.
U10	Order No. 751	RM09-9-000	4/28/11	FERC approved four revised regional Reliability Standards developed by the Western Electricity Coordinating Council and approved by the North American Electric Reliability Corporation. Separate proceeding to modify NERC VAR-002-1.1b to clarify that, if a generator has an automatic voltage regulator or power system stabilizer installed, it must be in-service at all times, equipment and facility ratings permitting, unless exempted by the transmission operator.
U11	Order Approving Reliability Standard	RD11-4-000	4/28/11	FERC approved Reliability Standard EOP-008-1. In addition, FERC approved the retirement of EOP-008-0 as requested by NERC.

b. Notice of deficiency in planning for N-1 overloads, issued May 17, 2011.

FERC has 11 questions for NERC. NERC has to respond in 21 days.

**6. Current and Pending Ballots: (in Meeting Materials Package)**

a.	<a href="#">Project 2006-02 - Assess Transmission and Future Needs - TPL-001 through TPL-006</a> (See Meeting Materials for Item 9b)	Successive Ballot and Non-Binding Poll	5/18/11	5/31/11
b.	<a href="#">Project 2007-03 - Real-time Operations - TOP-001 through TOP-008 and PER-001</a>	Initial Ballot and Non-Binding Poll	5/31/11	6/9/11
c.	<a href="#">Project 2009-06 - Facility Ratings - FAC-008 and FAC-009</a>	<a href="#">Recirculation Ballot</a>	5/12/11	5/23/11

Item 6a--See Item 9b below.

Item 6b--See Item 9c below.

Item 6c--David Kiguel commented that he still is not pleased with the wording in the Standard, and will vote “No”. FAC-008 has to be filed with FERC by June 15, 2011. Guy Zito explained the limiting rating philosophy in the Standard. If the Recirculation Ballot fails, the disposition of the Standard will be left up to the NERC Board of Directors.

**7. Overlapping Postings (in Meeting Materials Package)**

a.				
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**8. Join Ballot Pools: (in Meeting Materials Package)**

a.	<a href="#">Project 2006-02 - Assess Transmission and Future Needs - TPL-001 through TPL-006</a>	<a href="#">Join Ballot Pool</a>	4/18/11	5/18/11
b.	<a href="#">Project 2007-03 - Real-time Operations - TOP-001 through TOP-008 and PER-001</a>	<a href="#">Join Ballot Pool</a>	4/26/11	5/25/11

**9. Posted for Comment: (in Meeting Materials Package)**

a.	<a href="#">Regional Reliability Standard MOD-025-RFC-01 Announcement</a>	<a href="#">Comment Form</a> (Word Version available on NPCC, NERC Websites)	4/8/11	5/23/11
b.	<a href="#">Project 2006-02 - Assess Transmission and Future Needs</a>  <a href="#">TPL-001-2 — Transmission System Planning Performance Requirements - Redline to last posting</a>  <a href="#">Implementation Plan</a>  <a href="#">Announcement</a>	<a href="#">Comment Form</a> (Word Version available on NPCC, NERC Websites)	4/18/11	5/31/11
c.	<a href="#">Project 2007-03 - Real-time Operations - TOP-001 through TOP-008 and PER-001</a>  <a href="#">TOP-001-2 - Redline to last posting</a> <a href="#">TOP-002-3 - Redline to last posting</a> <a href="#">TOP-003-2 - Redline to last posting</a> <a href="#">Implementation Plan - Redline to last posting</a> <a href="#">Issues Database - Redline to last posting</a> <a href="#">VRF and VSL Assignment Documentation - Redline to last posting</a> <a href="#">PER-001-0.1</a> <a href="#">TOP-001-1</a> <a href="#">TOP-002-2a</a> <a href="#">TOP-003-1</a> <a href="#">TOP-004-2</a> <a href="#">TOP-005-2</a> <a href="#">TOP-006-2</a> <a href="#">TOP-007-0</a> <a href="#">TOP-008-1</a>  <a href="#">Announcement</a>	<a href="#">Comment Form</a> (Word Version available on NPCC, NERC Websites)	4/26/11	6/9/11

d.	<a href="#">Project 2010-17 - Definition of Bulk Electric System</a> <a href="#">SAR Version 2 - Redline to last posting</a> <a href="#">Definition of Bulk Electric System - Redline to last posting</a> <a href="#">Implementation Plan for Definition - Clean</a> <a href="#">Bulk Electric System Definition Revision Status - Announcement</a> <a href="#">Comment Period - Announcement</a> <a href="#">Rules of Procedure Development Team Page</a> <a href="#">Team Roster</a> <a href="#">Bulk Electric System Rules of Procedure (BESROP) Team - Agenda (April 22, 2011)</a> <a href="#">Bulk Electric System Definition Revision Status - Announcement</a> <a href="#">FERC Order 743</a>	<a href="#">Comment Form</a> (Word Version available on NPCC, NERC Websites)	4/28/11	5/27/11
e.	<a href="#">Critical Infrastructure Protection Reliability Standards, Version 4 - Survey (for Registered Entities)</a> <a href="#">Letter from CEO</a> <a href="#">Survey Cover Letter</a> <a href="#">Announcement</a>	<a href="#">Comment Form</a> (Word Version available on NPCC, NERC Websites)	5/2/11	6/1/11
f.	<a href="#">Rules of Procedure Development Team: BES Definition Exception Process</a> <a href="#">BES Exception Process (Appendix 5C to NERC Rules of Procedure)</a> <a href="#">Flow Charts</a> <a href="#">Announcement</a>	<a href="#">Comment Form</a> (Word Version available on NPCC, NERC Websites)	5/11/11	6/10/11
g.	<a href="#">Project 2010-17 - Definition of Bulk Electric System</a> <a href="#">Technical Principles for Demonstrating BES Exceptions</a> <a href="#">Announcement</a>	<a href="#">Comment Form</a> (Word Version available on NPCC, NERC Websites)	5/11/11	6/10/11



Item 9a--This is a RFC Standard, and was just mentioned but not discussed.

Item 9b--RSC discussion of the comments submitted by TFSS:

1. The RSC disagrees with the TFSS position on Part 1.1.5 of TPL-001-2.
2. No discussion needed.
- 3a. Was a process issue.
- 3b. Was a process issue.
- 3c. Footnote was discussed and found to be acceptable.
- 3d. There were no issues with this item.
- 3e. This was a Hydro-Quebec issue.
- 3f. This was going to be used in the comment submission.
- 3g. This was going to be used in the comment submission.
- 3h, i, j, k, and l--These items were discussed and the RSC members were going to submit their comments.
- 4a. It was mentioned that FERC wanted Part 2.1.5 added. Greg Campoli made the valid comment that the focus should be on studying with a single piece of equipment out of service. An assessment would be a reflection of engineering judgment versus study.
- 4b. The wording for the comment on 1.1.2 was revised and added to the Comment Form.
- 4c. The wording submitted by TFSS for R8 was revised and added to the Comment Form.
- 4d. The wording submitted by TFSS for R7 was discussed, and it was decided not to add to the Comment Form.

Si-Truc Phan remarked that Hydro-Quebec TransEnergie would be voting “No” for the following reasons:

The impact is not the same for firm load and firm transfer on 10 minute reserve and any UFLS action.

From Table 1 footnote 3, the definition of EHV facilities should be changed to Bulk Electric System (BES) level references including extra-high voltage (EHV) Facilities defined as those representing the backbone of the System, generally at voltages greater than 300 kV, and high voltage (HV) Facilities defined as those not representing the backbone of the System, as determined by the Planning Coordinator and approved by the Regional Entity.

From Table 1b, “Consequential Load Loss as well as generation loss is acceptable as a consequence of any event excluding P0”. Firm Transmission Services Loss should be added as being also acceptable (particularly in the P1 Loss of a single pole of a DC line for which the transfer is reduced accordingly to the remaining pole capability).

Guy Zito considered the discussion and initially felt that an “Affirmative” vote would be in order, but after hearing the discussion felt that there might not be a recommendation because of the outstanding issues raised.

Randy MacDonald commented that non-consequential load loss is a concern, and he is leaning towards a “No” vote.

Guy Zito will send a note to TFSS directing them to submit their own comments.

Michael Schiavone commented that he didn’t see the need for Part 2.7.1. A statement will be added to the Comment Form reflecting that.

Gregory Campoli’s comments on 2.1 and 2.2 were added to the Comment Form.

Michael Schiavone said that National Grid’s comments were given to TFCP.

Comments submitted by the New Brunswick System Operator were incorporated in the Comment Form with some revisions.

Guy Zito said that there will be time to review the comments. He will then determine what the RSC wants to recommend--either a “Yes” or “No” vote.

Item 9c--Comments submitted by Kurtis Chong and Kathleen Goodman were discussed. Kurtis Chong commented that R2 in TOP-001-2, from an operational perspective, should not have times. “Upon recognition” from R2 implies immediately. Kathleen Goodman commented that the industry should recommend to NERC that VRFs and VSLs shouldn’t be in standards. Kurtis Chong reviewed his comment regarding rearranging the wording in R4.

Regarding TOP-003, the revisions to Part 1.1 are not acceptable. The proposed revisions read as follows:

“Operating parameters for ~~equipment~~ BES Facilities and Facilities at voltage levels lower than the ~~Bulk Electric System, at the discretion of the Transmission Operator or Balancing Authority~~ BES.”

Item 9d--Brian Evans-Mongeon mentioned that FERC wants UFLS and UVLS schemes to be part of the Bulk Electric System definition.

For consideration when filling out the Comment Form, Chris de Graffenried sent a WECC diagram to the group to use as an example. David Kiguel read his preliminary comments. They were not distributed at that time. Chris de Graffenried discussed Con Edison’s intended response to Question 1 regarding the core definition of BES.

Comments were to be sent to Lee Pedowicz. A comment that will be added pertaining to the Exclusion Section that has to do with how a fault current level supervised automatic fault interrupting device (such as a Circuit Switcher) affects the definition. Regarding E3d, energy is not to be transferred through the LDN under all operating conditions.

Item 9e--Survey for the industry.

Item 9f--There is nothing mentioned about Canadian or Mexican equipment. The document was read and discussed. Chris de Graffenried mentioned the need for a guidance document. Guy Zito to discuss with Ken Loderhouse (Attorney) the question of whether or not this information should be available to the public.

Item 9g--Chris de Graffenried reported that he had a preliminary set of comments. All comments were to be sent to Lee Pedowicz.

### 10. Reference Documents Posted For Comment

a.				
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### 11. Concluded Ballots (in Meeting Materials Package)

<a href="https://standards.nerc.net/Ballots.aspx">https://standards.nerc.net/Ballots.aspx</a> (clicking in the column to the right of "Ballot Periods" column links to the Ballot Results)					<u>Results of Ballot</u>	<u>RSC Recommend/Date</u>
a.	<a href="#">Project 2010-11 - TPL Table 1, Footnote B</a>	Recirculation Ballot	1/26/11	2/5/11	Quorum: 93.61% Approval: 86.54%	Yes 1/5/11
b.	<a href="#">Project 2007-07 - Vegetation Management - FAC-003</a>	Successive Ballot and Non-Binding Poll	2/18/11	2/28/11	Quorum: 79.28% Approval: 79.34%	Yes 2/22/11
c.	<a href="#">Project 2006-06 - Reliability Coordination - COM-001, COM-002, IRO-001, and IRO-014</a>	Initial Ballot	2/25/11	3/7/11	Quorum: 87.10% Approval: 49.54%	Yes 3/2/11
d.	<a href="#">Project 2007-23 - Violation Severity Levels</a>	Non-binding Poll	2/9/11	2/18/11	Ballot Pool: 310 Opinions: 141  72% Support	Yes 10/28/10
e.	<a href="#">Project 2010-13 - Relay Loadability Order - PRC-023</a>	Successive Ballot and Non-Binding Poll	1/24/11	2/13/11	Quorum: 83.95% Approval: 65.71%	Yes 2/11/11

f.	<a href="#">Project 2010-13 - Relay Loadability Order - PRC-023</a>	Recirculation Ballot	2/24/11	3/6/11	Quorum: 87.35% Approval: 68.83%	Yes 2/11/11
g.	<a href="#">Project 2010-15 - Urgent Action Revisions to CIP-005-3</a>	Successive Ballot and Non-Binding Poll	4/19/11	4/28/11	Quorum: 79.66% Approval: 38.00%	No 4/19/11
h.	Project 2009-06 - Facility Ratings	Cast Ballot	4/21/11	5/2/11	Quorum: Approval:	Abstain 4/26/11
i.	Project 2007-17 - Protection System Maintenance and Testing - PRC-005	Successive Ballot and Non-Binding Poll	5/3/11	5/12/11	Quorum: Approval:	

**12. Posted For 30-Day Pre-Ballot Review (Open Ballot Pools) Between RSC Meetings:**

a.				
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**13. Comment Forms Submitted (in Meeting Materials Package), (red entries added since prior RSC Meeting)**

a.	Standards Project Prioritization Reference Document and Tool	Comment Form	1/21/11	2/10/11
b.	Project 2007-12 - Frequency Response	Comment Form	2/4/11	3/7/11
c.	Project 2007-07 - Vegetation Management - FAC-003	Comment Form	1/27/11	2/28/11
d.	Project 2007-23 - Violation Severity Levels	Comment Form	1/20/11	2/18/11
e.	Project 2006-06 - Reliability Coordination - COM-001, COM-002, IRO-001, and IRO-014	Comment Form	1/18/11	3/7/11
f.	Regional Reliability Standards - PRC-006-NPCC-1 - Automatic Underfrequency Load Shedding	Comment Form (no comments submitted)	1/10/11	2/24/11
g.	CAN-0015--Draft CAN-0015 Unavailability of NERC Tools	Comments	2/4/11	2/18/11
h.	CAN-0016--Draft CAN-0016 CIP-001-1 R1 - Applicability to Non-BES	Comments	2/4/11	2/18/11

i.	CAN-0017--Draft CAN-0017 CIP-007 R5 System Access and Password Controls	Comments	2/11/11	3/4/11
j.	CAN-0018--Draft CAN-0018 FAC-008 R.1.2.1 - Terminal Equipment	Comments	2/4/11	2/18/11
k.	Proposed Changes to Rules of Procedure to Add Section 1700 - Challenges to Determinations	Comments	2/14/11	3/7/11
l.	Project 2009-06 - Facility Ratings - FAC-008 and FAC-009	Comment Form	3/17/11	5/2/11
m.	Project 2010-15 - Urgent Action Revisions to CIP-005-3 - CIP-005	Comment Form	3/29/11	4/28/11
n.	Project 2009-02 - Real-time Reliability Monitoring and Analysis Capabilities	Comment Form	2/16/11	4/4/11
o.	Notice of Proposed Changes to RFC Rules of Procedure and Request for Comments	Comments (No comments submitted)	3/1/11	4/15/11
p.	Proposed Amendments to NERC Rules of Procedure Appendices 3B and 3D	Comments	3/1/11	4/15/11
q.	Project 2010-07 - Generator Requirements at the Transmission Interface	Informal Comment Period	3/4/11	4/4/11
r.	Project 2009-01 - Disturbance and Sabotage Reporting	Comment Form	3/9/11	4/8/11
s.	Project 2007-17 - Protection System Maintenance and Testing - PRC-005	Comment Form	4/13/11	5/12/11

**14. Reference Documents Posted For Comment Between RSC Meetings**

a.				
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**15. Drafting Team Nominations Open (Current and between RSC Meetings)**

a.	CIP Standards Interpretation Drafting Team	Drafting Team	5/5/11	5/18/11
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**16. NERC Meetings (in Meeting Materials Package)**

- a. Meeting agendas (reference Standards Oversight and Technology Committee).
- b. [May 11, 2011 Board of Trustees Meeting.](#)

**17. NERC RSG (in Meeting Materials Package)**

- a. April 15, 2011 Meeting.
  1. FERC reply to NERC CIP version 4 petition filed on Feb. 10, 2011.

- b. SAR--Analysis, Mitigation, and Reporting of Protection System Misoperations; PRC-003-2.
- c. Regional Standards Drafting Team Meetings' schedule.
  - 1. Proposed agenda items.

Guy Zito discussed the items in the Meeting Materials package.

**18. Standards Committee Report (in Meeting Materials Package)**

- a. Vacant Standards Committee positions.
- b. April 13-14, 2011 Meeting.
- c. May 12, 2011 conference call.

The Standards Committee Chair and Vice-Chair positions have to be filled from the Standards Committee members.

David Kiguel reported that nothing substantive was discussed. Items in the Meeting Materials package.

**19. SCPS Meeting**

The credentials of Drafting Team members must be gotten to ensure adequate expertise on Drafting Teams. Need to move away from the need for geographic representation.

**20. NERC Compliance Application Notices (CANs)**

- a. Follow up to discussions at RSC/CC Meeting.
- b. NERC Compliance Operations Announcement regarding Compliance Application Notices.
- c. CAN-0025.
- d. CAN-0026 (refer to Project 2007-03, Item 9c above).

Discussed under Action Item 69. Lee Pedowicz to check on the postings of CAN-0025, CAN-0026. Whatever is posted can be commented on.

**21. NERC Bulk Electric System Definition (refer to Items 9d, 9f, 9g above) (in Meeting Materials Package)**

- a. FERC Reaffirms Order Requiring Revised Definition of Bulk Electric System--March 17, 2011.
- b. March 18, 2011 conference call.
- c. Coordination of NPCC Reliability Practices.
- d. March 28, 2011 conference call.
- e. Bulk Electric System Definition Revision Status.
- f. For posting.
- g. April 8, 2011 conference call.
- h. Materials for initial posting.
- i. May 4-6, 2011 meeting.

j. Webinar May 19, 2011 11:00 a.m. - 1:00 p.m.

[http://www.nerc.com/files/Project\\_2010-17\\_Definition\\_of\\_Bulk\\_Electric\\_System\\_Industry\\_Webinar.pdf](http://www.nerc.com/files/Project_2010-17_Definition_of_Bulk_Electric_System_Industry_Webinar.pdf)

k. May 3, 2011 teleconference with FERC.

Item 21j--Meeting participants stayed after the conclusion of the RSC Meeting to participate in this Webinar.

**22. NPCC Regional Standards--Update (in Meeting Materials Package)**

- a. Disturbance Monitoring (PRC-002-NPCC-01)
- b. Underfrequency Load Shedding
- c. Special Protection System
- d. Regional Reserve Sharing
  1. Draft RSAR developed
  2. TFCO soliciting for Drafting Team members.

Item 22a--PRC-002-NPCC-01 resides with NERC's legal department, and is being prepared for filing with FERC.

Item 22b--Posted in the Open Process for comments. The Drafting Team met and addressed the applicability issue. Applicability--Standard applicable to GOs for machines identified by the PC. Compromise to address issues raised during the ballot. How does the RFC handle small generators was asked. TFSS did a survey of machines. Kurtis Chong said that the IEEE Standard stipulates higher frequency thresholds for generator tripping.

Item 22c--On hold.

Item 22d--Drafting Team members being sought.

**23. NPCC Triage Process, Cost Effectiveness Analysis**

- a. Cost Effectiveness Analysis Procedure.
- b. Triage process.

Item 23a--The NPCC Board of Directors suggested that a procedure be developed to determine the cost of a standard. The Board of Directors also suggested that the procedure developed be provided to NERC. An item to be addressed would be what a standard will cost to implement. Surveys will need to be conducted to identify costs. A question that needs to be answered is how are benefits quantified? Kurtis Chong suggested that an economist's expertise would be needed. Guy Zito is looking for suggestions.

Item 23b--Are we efficient at what we're doing? RSC members review how we're doing. Suggested to bypass the RCC by going straight to the Task Forces. Guy Zito

and Lee Pedowicz will discuss and send out again for RSC review. Guy Zito will present to the RCC for their thoughts.

**24. NY adoption of more stringent/specific NPCC Criteria**

a. Status of the filing.

Nothing reported.

**25. Directory and Regional Work Plan Status**

a. Directory effective dates.

Directory Number	Title	Lead Group, Status	Current Activity
#1 (A-2)	Design and Operation of the Bulk Power System	Approved on 12/1/2009	TFCP has charged CP11 with a comprehensive review of Directory #1 to include the triennial document review, an examination of the NERC TPL standards, the existing NPCC planning criteria, and the implementation of Phase 2 of the Directory Project which will reformat existing Directory criteria into NERC style requirements. CP11 received additional direction and feedback from TFCP at the February 2011 TFCP meeting. CP11's schedule calls for presenting a final draft to RCC in November, 2011.
#2 (A-3)	Emergency Operation	Approved on 10/21/08.	Automatic UFLS language transferred to Directory #12. Next TFCO review Oct. 21, 2011.
#3 (A-4)	Maintenance Criteria for BPS Protection.	Approved on 7/11/08.	TFSP review underway.
#4 (A-5)	Bulk Power System Protection Criteria	Approved on 12/1/09.	TFSP review underway.
#5 (A-6)	Operating Reserve	TFCO	Directory#5 was approved by the Full Members on December 2, 2010. TFCO working to resolve outstanding reserve issues associated with Directory #5. TFCO expects to post a revised version of Directory #5 to the Open Process this spring.
#6 New	Reserve Sharing	TFCO	TFCO considering draft of a new Directory on Regional Reserve Sharing which would replace C38 until a Regional Standard is developed. TFCO expects to post draft of Directory 6 this spring.
#7 (A-11)	Special Protection Systems	Approved on 12/27/07.	TFSP currently reviewing Directory #7 in accordance with the NPCC Reliability Assessment Program. TFCP and TFSS will agree on revisions to the SPS approval and retirement, and send any proposed changes to TFSP.
#8 (A-12)	System Restoration	Approved on 10/21/08.	TFCO made revisions to criteria for battery testing in October, 2010. Next review date July 9, 2012.



#9 (A-13)	Verification of Generator Real Power Capability	Approved on 12/22/08.	Directories #9 and #10 have been identified to be reformatted in accordance with Phase 2 of the Directory Project. Additionally, TFCO to incorporate draft language that would revise section 7.0 to ensure that documentation is not sent to TFCO. The next TFCO review is scheduled for July, 2011.
#10(A14)	Verification of Generator Reactive Power Capability	Approved on 12/22/08.	Refer to Directory #9 preceding.
#12	UFLS Program Requirements	Approved on 6/26/09.	Small entity (less than 100MW) revision approved by Full Members on 3/3/2010. The RCC approved one additional year for Quebec to complete UFLS implementation (Quebec implementation term is now three years). Open Process posting concluded on Jan. 21, 2011 that considered revisions to the UFLS Implementation Plan.

b. Directory Work Plan for Phase 2 Reformatting.

Gerry Dunbar discussed the spreadsheet he developed that tracks the Directory Phase 2 Development. RSC is to provide direction to TFCO on the order of getting Directories 2, 5, and 8 revised. RSC also to provide direction to TFSP on the order of getting Directories 3, 4, and 7 revised. Directories 1, 9, and 10 are in the process of being reformatted.

David Kiguel asked about the relationship of the BES definition to NPCC documents. Guy Zito responded that Criteria will be governed by A-10. Regional Standards will be governed by the BES definition.

Kathleen Goodman commented that a lot of work is being done on the Directories, and eventually they will be eliminated. She suggested that work only be done on those with the highest importance. Guy Zito mentioned that Directories are needed for the CCEP. Directories were developed at the request of the NPCC Board of Directors, and that the CC requested the Phase 2 Project.

Kathleen Goodman asked if the cost benefit of keeping the Criteria after the “bright line” is adopted could be looked at.

Guy Zito suggested that issues with keeping the Directories be taken up with the appropriate NPCC Board of Directors member.

Directory 1 is not being discussed from an operations perspective. Kathleen Goodman suggested having both TFCO and TFCP take ownership of it.

Greg Campoli remarked that the CC needs to know the schedule for the Directory revisions. He is looking for a milestone. A column will be added to the spreadsheet that will show the anticipated date for getting a Directory to the RCC.

**26. Review RFC, MRO Standards Relevant to NPCC (in Meeting Materials Package)**

- a. RFC Standards Under Development webpage  
<https://rsvp.rfirst.org/default.aspx>
- b. RFC Standard Voting Process (RSVP) webpage  
[ReliabilityFirst Corporation - Reliability Standards Voting Process](#)

	<u>Standard Under Development</u>	<u>Status</u>	<u>Start Date</u>	<u>End Date</u>
1.	MOD-025-RFC-01 - Verification and Data Reporting of Generator Gross and Net Reactive Power Capability	Posted for Comments	4/8/11	5/23/11
2.				

- c. Midwest Reliability Organization Approved Standards  
[http://www.midwestreliability.org/STA\\_approved\\_mro\\_standards.html](http://www.midwestreliability.org/STA_approved_mro_standards.html)  
(click on RSVP under the MRO header)
- d. Midwest Reliability Organization Reliability Standard Voting Process webpage (table lists standards under development)  
[Midwest Reliability Organization - Reliability Standards Voting Process](#)

	<u>Standard Under Development</u>	<u>Status</u>	<u>Start Date</u>	<u>End Date</u>
1.	PRC-006-MRO-01 - Underfrequency Load Shedding Requirements (see e. below)	Posted for second 30 day comment period	5/19/10	6/17/10
2.				

- e. As of June 14, 2010 MRO suspended its regional standards development.
- f. [EOP-007-RFC-02 \(System Restoration Plans\)](#). [EOP-007-RFC-02 website](#).

**27. Report on NERC, NAESB and Regional Activities (in Meeting Materials Package)**

- a. Report on NERC, NAESB and Regional Activities
  - 1. March 2011.
  - 2. April, 2011.

Lee Pedowicz participates in the scheduled conference calls. Nothing substantive to report.

## **28. Task Force Assignments, et al.**

- a. TFSP Meeting March 22-24, 2011.
- b. TFSP May 24-26, 2011 Meeting agenda.

The Regions are discussing how to report misoperations. NPCC uses the CDAA. If there is no access to the CDAA then E-mail can be used to report. An Action Item will be created to put questions together regarding misoperations.

Guy Zito raised the question of who should develop RSAWs. It was suggested that the Drafting Team do it, but they most likely are not familiar with compliance issues.

Ron Falsetti inquired about the criteria for categorizing events. Do Regions develop their own criteria? Ralph Rufrano said no, but Ron believed they did. Ron Falsetti and Ralph will discuss outside the meeting.

## **29. Future Meetings and Other Issues (in Meeting Materials Package)**

- a. NERC 2012-2015 Business Plan and Budget Assumptions.
  1. Regional Entities 2012 Business Plans and Budgets – Draft 1

[http://www.nerc.com/filez/regional\\_entity\\_business\\_plan\\_2012.html](http://www.nerc.com/filez/regional_entity_business_plan_2012.html)
- b. Prioritization of NERC Standards Projects.
- c. Ballot--Amended and Restated Bylaws of NPCC.
- d. Smart Grid interoperability/NIST-NERC cooperation.
- e. NPCC Board of Directors.
  1. March 15, 2011 Teleconference draft minutes.
  2. May 3, 2011 Teleconference agenda.
- f. NERC News
  1. March, 2011
- g. Compliance and Standards Workshop.
- h. Safety of Pilgrim Nuclear Power Station.
- i. Performance Metrics For Independent System Operators And Regional Transmission Organizations
- j. NERC Facility Design, Connections, and Maintenance (FAC) Assessment Plan Review Criteria.
- k. NERC Meetings May 10-11, 2011.
  1. NPCC Board of Directors Meeting input to the NERC May 10-11, 2011 MRC and BOT Meetings.
- l. Proposal to Retire SERC ATC-Related Regional Criteria Posted for Comments.
- m. [SAR for Revision of SERC Regional Standards Development Procedure: Posted for Comments: Due June 13, 2011.](#)
- n. NEB NOPR on international transmission lines between Canada and the United States.
- o. NPCC new Website development.

Item 29b--If a Drafting Team works on a project that is not a priority, there will be no NERC participation.

Item 29n--National Energy Board Canada (NEB) perceives a gap in reliability on transmission lines. Looking for compliance plans from asset owners. David Kiguel will be submitting comments.

Item 29o--Guy Zito discussed features of the new Website. Will ask for RSC input when the Website is ready.

The other sub-items in Item 29 were mentioned for information purposes only.

**RSC 2011 Meeting Dates**

August 3-4, 2011 Montreal, Quebec	Nov. 30 - Dec. 1, 2011 Toronto, Ontario
October 26-27, 2011 Boston, Massachusetts	

**2011 RSC Conference Call Schedule**

(call 212-840-1070--ask for the RSC [Guy's or Board of Directors's] Conference Call)

June 3, 2011	Sept. 16, 2011
June 17, 2011	Sept. 30, 2011
July 1, 2011	Oct. 28, 2011
July 15, 2011	Nov. 10, 2011 (Thursday)
August 19, 2011	Dec. 16, 2011
Sept. 2, 2011	Dec. 30, 2011

**Board of Directors 2011 Meeting Dates**

June 30, 2011 NPCC	October 26, 2011 Teleconference
July 28, 2011 Teleconference	November 30, 2011 Toronto
September 20, 2011 NPCC	

**RCC, CC, and Task Force Meeting Dates--2011**

RCC	June 1, Sept. 8, Nov. 29
CC	June 14-15, July 13, August 17, Sept. 21-22, Oct. 19, Nov. 16, Dec. 13-15
TFSS	May 19-20, July 14-15, Sept. 15-16
TFCP	August 17, Nov. 2
TFCO	August 11-12, Oct. 6-7
TFIST	
TFSP	May 24-26, July 19-21, Sept. 27-29, Nov. 15-17

Respectfully Submitted,

Guy V. Zito, Chair RSC  
Assistant Vice President-Standards  
Northeast Power Coordinating Council Inc.

Meeting adjourned at 17:04.

Meeting adjourned at 10:43.

**Northeast Power Coordinating Council, Inc. (NPCC)**  
**Antitrust Compliance Guidelines**

It is NPCC's policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. The antitrust laws make it important that meeting participants avoid discussion of topics that could result in charges of anti-competitive behavior, including: restraint of trade and conspiracies to monopolize, unfair or deceptive business acts or practices, price discrimination, division of markets, allocation of production, imposition of boycotts, exclusive dealing arrangements, and any other activity that unreasonably restrains competition.

It is the responsibility of every NPCC participant and employee who may in any way affect NPCC's compliance with the antitrust laws to carry out this commitment. Participants in NPCC activities (including those participating in its committees, task forces and subgroups) should refrain from discussing the following throughout any meeting or during any breaks (including NPCC meetings, conference calls and informal discussions):

- Industry-related topics considered sensitive or market intelligence in nature that are outside of their committee's scope or assignment, or the published agenda for the meeting;
- Their company's prices for products or services, or prices charged by their competitors;
- Costs, discounts, terms of sale, profit margins or anything else that might affect prices;
- The resale prices their customers should charge for products they sell them;
- Allocating markets, customers, territories or products with their competitors;
- Limiting production;
- Whether or not to deal with any company; and
- Any competitively sensitive information concerning their company or a competitor.

Any decisions or actions by NPCC as a result of such meetings will only be taken in the interest of promoting and maintaining the reliability and adequacy of the bulk power system.

Any NPCC meeting participant or employee who is uncertain about the legal ramifications of a particular course of conduct or who has doubts or concerns about whether NPCC's antitrust compliance policy is implicated in any situation should call NPCC's Secretary, Andrienne S. Payson at 212-259-8218.

## Action Item List

Action Item Number	Agenda Item Number	Description	Owner	Due	Status
32	16b	To discuss with Herbert Schrayshuen how HQ, because of its unique operational requirements, will be addressed in standards development	Guy Zito--member of Standards Committee Process Subcommittee	RSC Meeting	Ongoing as of 2/10/10. Sylvain Clermont, and David Kiguel working with Guy Zito. Herbert Schrayshuen replaced Gerry Adamski at NERC. The new NERC management team will have to be made familiar with this item.
August 20-21, 2008					
Feb. 17-18, 2009					
June 17-18, 2009					
August 6-7, 2009					
60	3a	NPCC representatives from NERC drafting teams that have documents posted for comments report at RSC Meetings	Lee Pedowicz	RSC Meeting	Ongoing.
61	21	Notify NPCC Drafting Team members that the RSC is available for advice at any time, and that they will be invited to call in with status reports	Lee Pedowicz	RSC Meeting	Ongoing.

Action Item Number	Agenda Item Number	Description	Owner	Due	Status
Sept. 24-25, 2009					
Nov. 4-5, 2009					
April 21-22, 2010					
63	----	Coordination with the Compliance Committee to develop Joint Activity Action List	Greg Campoli	RSC Meeting	Outgrowth of RSC/CC joint session April 21, 2010. Ongoing. Joint RSC/CC Meeting this meeting. Ralph Rufrano rejoined the RSC in the capacity of NPCC Compliance liaison. Comments not to be submitted on the CCEP.
June 29-30, 2010					
65	----	RSC to review the NPCC Members on NERC Drafting Teams list. Saurabh Saksena to maintain. Will get input from Carol Sedewitz.	RSC	RSC Meeting	Ongoing.
August 18-19, 2010					
66	----	Status of Memorandum of Understanding	Si-Truc Phan	RSC Meeting	Provide update.



Action Item Number	Agenda Item Number	Description	Owner	Due	Status
67	----	Effectively communicating to the RSC	Guy Zito, Lee Pedowicz, Michael Lombardi, Saurabh Saksena, Kurtis Chong, Sylvain Clermont	RSC Meeting	Achieve RSC consensus.
Nov. 30, 2010, Dec. 2, 2010					
68	----	Revise Regional Reliability Standards Development Procedure	Guy Zito, Lee Pedowicz, Michael Lombardi, Saurabh Saksena, Kurtis Chong, Sylvain Clermont	RSC Meeting	Initial draft with revisions made.
69	----	Revise RSC Scope	RSC	RSC Meeting	
Feb. 2-3, 2011					
70	20	Talk to Stan Kopman and the CC about the process for submitting comments after Valerie Agnew (NERC) drafts CANs for their first posting. Industry will have two weeks for comments.	Guy Zito, Lee Pedowicz	RSC Meeting	
71	----	Talk to Compliance about Reliability Standard RSAWs. There should be a Compliance Committee representative on the Drafting Team.	Guy Zito	RSC Meeting	

Action Item Number	Agenda Item Number	Description	Owner	Due	Status
72	----	Find out what other Regions are doing regarding interpretations.	Guy Zito	RSC Meeting	
73	----	Discuss consistency with the RSG.	Guy Zito	RSC Meeting	
March 16-17, 2011					
74	4	Each Canadian Province present how their jurisdictions handle effective dates for Standards.	Canadian RSC Representatives	RSC Meeting	
75	11f	Non-convergent contingencies enumerated in <a href="#">Project 2010-13 - Relay Loadability Order - PRC-023 Attachment B4a.</a>	Guy Zito	RSC Meeting	To be discussed with Sal Buffamante.
76	4b	Implementation effective dates in Ontario	David Kiguel	RSC Meeting	

Action Item 32--No change in status.

Action Item 60--Ongoing.

Action Item 61--To be eliminated.

Action Item 63--Ongoing.

Action Item 65--Ongoing.

Action Item 66--Ongoing. Sylvain Clerrmont will become the owner.

Action Item 67--To be deleted.

Action Item 68--To be deleted from the Action Item List. Guy Zito, Michael R. Lombardi, and Greg Campoli will review. Goal is to have done by the end of the year. Will the RSC be the only entity submitting input?

Action Item 69--In the Meeting Materials package. In Item f, the RSC is comfortable with:

(f) providing consolidated NPCC Regional review and comment to the existing and proposed NERC Standards Development Process (Manual), and to the NERC Rules of Procedure as they relate to Standards Development

“or any other NERC issuances that require NPCC comment” to be removed.

There was concern that CANs were changing requirements. That is why they are being presented to the RSC. Greg Campoli reported that the CC is formally reviewing CANs,

Lee Pedowicz will get the process more formalized. To do that, he'll have to get on the NERC distribution list. Lee Pedowicz will handle the process beginning with when a CAN is formally posted. Michael R. Lombardi will add CANs to his spreadsheet.

Action Item 70--Completed, to be deleted.

Action Item 71--Ongoing. Guy Zito will follow. Add “Regional” to Reliability Standard RSAWs. RSAWs assist with compliance.

Action Item 72--Guy Zito reported that there is no uniformity. Some Regions have Websites, some forums, some have nothing. NPCC will incorporate in the Regional Standard Development Process. Questions on NERC Standards should be addressed to NERC. NERC should not address regional standard interpretations.

Action Item 73--Ongoing. Consistency is with regard to Standards' processes.

Action Item 74--Discussed under Item 4b. To be deleted.

Action Item 75--Ongoing. There is a problem with cases converging for N-2 testing. This could lead to a compliance issue. PRC-023 has to be incorporated in FAC-008.