



1040 Avenue of the Americas - 10th Floor
New York, New York 10018-3703

NPCC Regional Standards Committee
Minutes
Meeting # 11-4

August 3, 2011 10:00 a.m. - 5:00 p.m.
August 4, 2011 8:00 a.m. - 3:00 p.m.

Marriott SpringHill Suites - Old Montreal
King Edward Meeting Room
445, rue Saint-Jean-Baptiste
Montreal, Quebec

Dress Business Casual
RSC@npcc.org
Call in 719-785-1707, Guest Code 8287#

**Note: Glossary of Terms Used in NERC Reliability Standards dated May 24, 2011
included in the Meeting Materials.**

Items in red from August 3, 2011.
Items in green from August 4, 2011.

Meeting called to order at 10:02 a.m.
Meeting called to order at 8:00 a.m.

1. Introductions-Agenda Review-Roster

- a. Welcome to David Ramkalawan as a new RSC Member.
- b. RSC membership changes.

	<u>Name</u>	<u>Organization</u>	<u>Sector</u>
1.	Michael Lombardi	Northeast Utilities	1
2.	David Ramkalawan	Ontario Power Generation, Inc.	4
3.	Michael Schiavone	National Grid	1
4.	Howard Gugel (guest)	NERC	
5.	Si-Truc Phan	TransEnergie (Hydro-Quebec)	2
6.	David Kiguel	Hydro One Networks Inc.	1
7.	Ben Wu	Orange & Rockland Utilities, Inc.	1
8.	Kal Ayoub (guest--8-3-11)	FERC	
9.	Chris de Graffenried	Consolidated Edison Company of New York, Inc.	1
10.	Brian Evans-Mongeon	Utility Services, Inc.	5
11.	Greg Campoli	New York Independent System Operator	2
12.	Kathleen Goodman	ISO - New England	2
13.	Guy Zito	NPCC	
14.	Lee Pedowicz	NPCC	
15.	Gerry Dunbar	NPCC	

On the Phone

	<u>Name</u>	<u>Organization</u>	<u>Sector</u>
1.	Mike Garton	Dominion Resources Services, Inc.	4
2.	Wayne Sipperly	New York Power Authority	4
3.	Don Nelson (guest)	Massachusetts Department of Public Utilities	
4.	Esther Kim (guest, proxy for Kurtis Chong)	Independent Electricity System Operator	2
5.	Ralph Rufrano (guest)	NPCC	

Item 1a--David Ramkalawan (Ontario Power Generation) was introduced. He is Brian Gooder's replacement on the RSC.

Item 1b--Brian Gooder retired from Ontario Power Generation. Kurtis Chong (IESO) changed positions at IESO, and will no longer be participating on the RSC. Esther Kim (phone) has Kurtis Chong's proxy.

All attendees introduced themselves, and Guy Zito summarized what topics the meeting will address.

2. RSC May, 2011 Meeting Minute Approval and Antitrust Guidelines

(in Meeting Materials Package)

- a. Discussion of the May, 2011 RSC Meeting minutes.

Item 2a--No changes were made to the Minutes. Greg Campoli made a motion to approve, Michael Lombardi seconded the motion. With the exception of Esther Kim (abstained), all the attendees approved the Minutes as read.

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

Item 3a--posted on the NPCC Website.

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

- a. Review entries.

Item 4a--posted on NPCC Website. Ongoing.

5. FERC (in Meeting Materials Package)

- a. June, 2011 Meeting Summaries.

Item 5a--Guy Zito reviewed the June, 2011 Meeting Summaries contained in the Meeting Materials package.

Item	NOPR	Docket No.	Posted	End Date	When Effective
T1	Notice of Proposed Rulemaking re: Availability of E-tag Information to Commission Staff under RM11-12	RM11-12-000	6/27/11		
T2	Petition of the North American Electric Reliability Corporation For Approval Of Interpretation to Reliability Standard TOP-001-1 — Reliability Responsibilities and Authorities, Requirement R8	RM10-29-000	6/24/11		

T3	Petition of the North American Electric Reliability Corporation for Approval of Proposed NPCC Regional Reliability Standard PRC-002-NPCC-01 — Disturbance Monitoring	RM11-27-000 Changed to RD11-8-000 on June 30, 2011.	5/31/11		
T4	Electric Reliability Organization Interpretation of Transmission Operations Reliability Standard, Docket No. RM10-29-000	RM10-29-000	4/21/11		
T5	Comments Of The North American Electric Reliability Corporation In Response To Notice Of Proposed Rulemaking	RM11-12-000	6/27/11		
T6	Comments Of The North American Electric Reliability Corporation In Support Of The Supplemental Comments Of Edison Electric Institute, The American Public Power Association, The National Rural Electric Cooperative Association, The Electric Power Supply Association, The Transmission Access Policy Study Group, And The Canadian Electricity Association	RM10-6-000	7/13/11		
T7	Supplemental Comments Of The Edison Electric Institute, The American Public Power Association, The National Rural Electric Cooperative Association, The Electric Power Supply Association, The	RM10-6-000	7/13/11		

	Transmission Access Policy Study Group, And the Canadian Electricity Association				
T8	Request Of The North American Electric Reliability Corporation For Clarification Or, In The Alternative, Rehearing Of The Order Denying Appeals Of Electric Reliability Organization Registration Determinations	RC11-1-000 RC11-2-000	7/18/11		

Item	FERC Orders	Docket No.	Posted	Summary
U1	Order No. 722	RD11-1-000	6/30/11	Letter order approving NERC's January 6, 2011 Compliance Filing regarding revised VSLs for the approved FAC Reliability Standards.
U2		RM11-11-000	6/30/11	Second set of responses of NERC to FERC requesting additional information regarding petition seeking approval of the proposed CIP Version 4 Reliability Standards.
U3		RD10-6-001 RD09-7-003	6/29/11	Violation Risk Factors and Violation Severity Levels for Version 2 and Version 3 Critical Infrastructure Protection Reliability Standards
U4	Order Nos. 748-A and 749-A	RM10-15-001 RM10-16-001	7/13/11	On March 17, 2011, the Commission issued Order Nos. 748 and 749, which approved new and revised Reliability Standards, including IRO-004-2 and EOP-001. Grant the NERC request for clarification of Order No. 748 including: (1) the proper effective date

				<p>language for Reliability Standard IRO-004-2; (2) the correct version identification for the approval of EOP-001 intended by the Commission; and (3) the proper effective date for Reliability Standard EOP-001-2. The Commission also grants NERC's request for clarification of Order No. 749 with respect to the version EOP-001 the Commission intended to approve and its effective date.</p>
U5	Order On Smart Grid Interoperability Standards	RM11-2-000	7/19/11	<p>Section 1305(d) of the Energy Independence and Security Act of 2007 directs the Commission to institute a rulemaking proceeding to adopt such standards and protocols as may be necessary to insure smart-grid functionality and interoperability in interstate transmission of electric power, and regional and wholesale electricity markets once it is satisfied that the work of the National Institute of Standards and Technology has led to "sufficient consensus" on smart grid interoperability standards. The Commission finds that there is insufficient consensus for the five families of standards under consideration. For this reason, the Commission will not institute a rulemaking proceeding at this time with respect to these standards and terminates this docket. In this order, the Commission encourages stakeholders to actively participate in the NIST</p>

				interoperability framework process to work on the development of interoperability standards and to refer to that process for guidance on smart grid standards.
U6	Order No. 733-A	RM08-13-000	7/21/11	Informational Filing Of The North American Electric Reliability Corporation In Response To Order 733-A On Rehearing, Clarification, And Request For An Extension Of Time
U7		RR06-1-000, RR09-7-000	7/29/11	Informational report of the North American Electric Reliability Corporation On Analysis Of Standard Process Results For The Second Quarter 2011
U8	Order No. 1000	RM10-23-000	7/21/11	Transmission Planning and Cost Allocation by Transmission Owning and Operating Public Utilities

Petitions		
Item	Posted	Title
V1	6/15/11	Petition Of The North American Electric Reliability Corporation For Approval Of Proposed Reliability Standard FAC-008-3 -- Facility Ratings
V2	6/21/11	Petition Of The North American Electric Reliability Corporation For Approval Of Reliability Standard CIP-001-2a— Sabotage Reporting With A Regional Variance For Texas Reliability Entity

Item 5T1--FERC wants entity information to be sent directly to them, and that NERC shouldn't be the only supplier of this information to them.

Item 5T2--Addresses the responsibility for balancing and reactive power.

Items 5T3, 5T4--For information.

Items 5T5 through 5T8--Guy Zito reviewed the material.

Item 5U1--For information.

Item 5U2--Guy Zito is concerned about how data can be manipulated and shown. The purpose was to get data, not a compliance issue.

Item 5U3--For information.

Item 5U4--Addressed effective dates of revised Standards.

Item 5U5--For information.

Item 5U6--Standard to be developed in the second quarter 2012. A time extension is being requested.

Item 5U7--For information.

Item 5U8--Directs cost allocation. What will be the impact of the new BES definition? There will be implications that might not affect the RSC.

Item 5V1--The attendees discussed that FAC-008-2 is "dead". The Standard's revisions will go from revision 1 (FAC-008-1) to revision 3 (FAC-008-3).

Item 5V2--Kal Ayoub reported that it was approved yesterday. Has been added to the Meeting Materials package. The effective date is Oct. 1, 2011.

After reviewing these materials, there was no need to develop comments.

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

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

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

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

a.	<p><u>Proposed Changes to NERC Rules of Procedure and associated Appendices</u> (Appendix 4B – Sanction Guidelines; and Appendix 4C – Compliance Monitoring and Enforcement Program)</p>	<p>Send Comments to ROPcomments@nerc.net</p>	6/30/11	8/15/11
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Item 9a--This is a compliance related item. It was reiterated that comments were to be sent to ROPcomments@nerc.net by August 15, 2011. Kathleen Goodman will share her concerns about the document, and it will be determined if there needs to be a RSC comment response. Section 414 is the issue. Meeting participants will take back to their organizations and provide appropriate comments. As suggested, Lee Pedowicz sent the NPCC staff the link and information on the Rules of Procedure changes.

10. Reference Documents Posted For Comment

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

<p>https://standards.nerc.net/Ballots.aspx (clicking in the column to the right of "Ballot Periods" column links to the Ballot Results)</p>					Results of Ballot	RSC Recommend/Date
a.	<p><u>Project 2010-11 - TPL Table 1, Footnote B</u></p>	Recirculation Ballot	1/26/11	2/5/11	<p>Quorum: 93.61% Approval: 86.54%</p>	<p>Yes 1/5/11</p>

b.	Project 2007-07 - Vegetation Management - FAC-003	Successive Ballot and Non-Binding Poll	2/18/11	2/28/11	Quorum: 79.28% Approval: 79.34%	Yes 2/22/11
c.	Project 2006-06 - Reliability Coordination - COM-001, COM-002, IRO-001, and IRO-014	Initial Ballot	2/25/11	3/7/11	Quorum: 87.10% Approval: 49.54%	Yes 3/2/11
d.	Project 2007-23 - Violation Severity Levels	Non-binding Poll	2/9/11	2/18/11	Ballot Pool: 310 Opinions: 141 72% Support	Yes 10/28/10
e.	Project 2010-13 - Relay Loadability Order - PRC-023	Successive Ballot and Non-Binding Poll	1/24/11	2/13/11	Quorum: 83.95% Approval: 65.71%	Yes 2/11/11
f.	Project 2010-13 - Relay Loadability Order - PRC-023	Recirculation Ballot	2/24/11	3/6/11	Quorum: 87.35% Approval: 68.83%	Yes 2/11/11
g.	Project 2010-15 - Urgent Action Revisions to CIP-005-3	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: 86.01% Approval: 48.74%	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: 78.33% Approval: 67.00%	No Recommendation
j.	Project 2009-06 - Facility Ratings - FAC-008 and FAC-009	Recirculation Ballot	5/12/11	5/23/11	Quorum: 91.25% Approval: 78.92%	Yes 5/12/11
k.	Project 2006-02 - Assess Transmission and Future Needs - TPL-001 through TPL-006	Successive Ballot and Non-Binding Poll	5/18/11	5/31/11	Quorum: 92.07% Approval: 73.99%	----

l.	Project 2007-03 - Real-time Operations - TOP-001 through TOP-008 and PER-001	Initial Ballot and Non-Binding Poll	5/31/11	6/9/11	Quorum: 88.47% Approval: 48.64%	Reject 5/31/11
m.	Project 2007-09 – Generator Verification – MOD-026-1	Cast Ballot	7/22/11	8/1/11	Quorum: Approval:	No Consensus 7/28/11
n.	Project 2007-09 – Generator Verification – MOD-026-1	Cast Non-Binding Poll Opinion	7/22/11	8/1/11	Quorum: Approval:	
o.	Project 2007-09 – Generator Verification – PRC-024-1	Cast Ballot	7/22/11	8/1/11	Quorum: Approval:	No Consensus 7/28/11
p.	Project 2007-09 – Generator Verification – PRC-024-1	Cast Non-Binding Poll Opinion	7/22/11	8/1/11	Quorum: Approval:	
q.	Project 2007-17 – Protection System Maintenance and Testing – PRC-005	Recirculation Ballot and Non-Binding Poll	6/20/11	6/30/11	Quorum: 82.97% Approval: 64.76%	Yes 6/28/11
r.	Project 2006-02 - Assess Transmission and Future Needs	Cast Ballot	7/13/11	7/22/11	Quorum: 94.33% Approval: 75.37%	----
s.	Project 2006-06 - Reliability Coordination - IRO-002-3	Cast Ballot	7/15/11	7/25/11	Quorum: 94.13% Approval: 76.99%	Yes 7/22/11
t.	Project 2006-06 - Reliability Coordination - IRO-005-4	Cast Ballot	7/15/11	7/25/11	Quorum: 94.13% Approval: 75.17%	Yes 7/22/11
u.	Project 2006-06 - Reliability Coordination - IRO-014-2	Cast Ballot	7/15/11	7/25/11	Quorum: 94.13% Approval: 76.27%	Yes 7/22/11
v.	Project 2006-06 - Reliability Coordination - IRO-002-3	Cast Non-Binding Poll Opinion	7/15/11	7/25/11	Quorum: Approval:	

w.	Project 2006-06 - Reliability Coordination - IRO-005-4	Cast Non-Binding Poll Opinion	7/15/11	7/25/11	Quorum: Approval:	
x.	Project 2006-06 - Reliability Coordination - IRO-014-2	Cast Non-Binding Poll Opinion	7/15/11	7/25/11	Quorum: Approval:	

i, q--Why did the recirculation ballot fail after the Successive Ballot passed?

Item 11b--There were issues raised by NERC that need to be addressed. The intent is to post the response to comments received, and then go to a Recirculation Ballot.

Item 11c--The project was split up because of significant comments on some of the Standards.

Item 11g--The Drafting Team will be disbanded, and reformed for Version 5.

Items 11i, 11q--It has been reported that some changes will be made. It may be re-balloted. Entities shouldn't be penalized if they can't meet requirements that are more stringent than those defined in the Standard, but meet those that are in the Standard. Entities' procedures should not be audited, only that which is enforceable. It is still not definite as to how this will proceed.

Howard Gugel reported that the Drafting Team for Project 2007-17 will not be changing the SAR. Plan to repost the existing SAR for a 45 day informal comment period. PRC-005-2 has been revised. It will be posted for a formal 45 day comment period in parallel with the SAR. This will be followed by a ballot period. The interval for testing batteries became an issue, and the expansion of the BES. There will be a Webinar, and this will be treated as an initial posting. There will be a 10 day ballot period. Reportedly will be happening within the next couple of weeks.

Guy Zito suggested to Howard Gugel that for the posting of a Standard's effective date, a link should be provided to the associated FERC documents.

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
t.	Project 2010-17 - Definition of Bulk Electric System	Comment Form	4/28/11	5/27/11
u.	Project 2006-02 - Assess Transmission and Future Needs	Comment Form	4/18/11	5/31/11
v.	Project 2007-03 - Real-time Operations - TOP-001 through TOP-008 and PER-001	Comment Form	4/26/11	6/9/11
w.	Project 2010-17 - Definition of Bulk Electric System	Comment Form	5/11/11	6/10/11
x.	Rules of Procedure Development Team: BES Definition Exception Process	Comment Form	5/11/11	6/10/11
y.	CAN-0024--Draft CAN-0024 CIP-002 through CIP-009 Routable Protocols and Data Diodes	Comments	5/20/11	6/10/11
z.	CAN-0029--Draft CAN-0029 PRC-004-1 R1, R2 and R3 Misoperations	Comments	5/20/11	6/10/11
aa.	CAN-0030--Draft CAN-0030 Attestations	Comments	5/20/11	6/10/11
bb.	CAN-0039--Draft CAN-0039 DOE Form 407	Comments	5/20/11	6/10/11
cc.	Project 2010-05.1 – Protection Systems: Phase 1 (Misoperations)	Comment Form	6/10/11	7/11/11
dd.	Project 2007-09 – Generator Verification – MOD-025-2, MOD-027-1, PRC-019-1	Comment Form	6/15/11	7/15/11
ee.	Project 2007-09 – Generator Verification – MOD-026-1 and PRC-024-1	Comment Form	6/15/11	8/1/11
ff.	Project 2010-07 – Generator Requirements at the Transmission Interface – Various BAL, CIP, EOP, FAC, IRO, MOD, PER, PRC, TOP, and VAR standards	Comment Form	6/17/11	7/17/11

b.1--[Project 2007-12 Frequency Response--Webinar.](#)

e.1--[Project 2006-06 Reliability Coordination--Webinar.](#)

ee. [Project 2007-09 Generator Verification--Webinar.](#)

Item 13--The responses on Comment Forms submitted by NPCC include inputs from Drafting Teams. It was suggested to go to the NPCC representatives on Drafting Teams to get the responses to the comments submitted by NPCC.

When a Standard is reposted, Lee Pedowicz will send out to the RSC members ONLY the responses to the NPCC comments that were submitted. The RSC members will be responsible for getting the comment responses to the appropriate SMEs to get feedback on whether the responses were adequate. David Kiguel suggested that the Drafting Team notify the people that submitted comments when the comment responses are finalized.

Item 13b--The attendees emphasized that this project must be paid attention to because of the importance of maintaining system frequency.

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
b.	Project 2010-05.1 Protection System Misoperations Drafting Team	Drafting Team	5/20/11	6/3/11

16. NERC Meetings (in Meeting Materials Package)

- a. Board of Trustees Conference Call May 24, 2011.
- b. Legal Advisory Committee conference call May 19, 2011.

Item 16--Guy Zito discussed Sylvain Clermont's MRC, and NERC BOT notes.

17. NERC RSG (in Meeting Materials Package)

- a. May 16, 2011 Meeting.
- b. Regional Standards Development Planning.
- c. First Report for ERO Executive Management Group from Regional Standards Group--June 14, 2011
- d. Draft Regional Standard Development Project template.
- e. June 13, 2011 teleconference and webinar.
- f. Regulatory Order administration.

Item 17--The coordination between the ERO and the Regions has to improve. For NERC, Howard Gugel reported that Barb Nutter is dedicated to Regional Standards. Kathleen Goodman commented that there has to be a way of developing Regional Standards that are more stringent than corresponding NERC Standards, but because of the increased stringency get an Entity in trouble with NERC Standards.

18. Standards Committee Report (in Meeting Materials Package)

- a. July 13-14, 2011 Meeting, Portland, Oregon.

Item 18--Michael Lombardi suggested to Howard Gugel that on the NERC Website's Reliability Standards--Effective Dates for Mandatory Enforcement not only list the date of an update, but the substance of what was changed as well.

Item 18a--David Kiguel stated that the SC should not get involved with the technical details of the BES definition, just the process. There will probably be a Webinar on the Standard Prioritization Tool. Rapid Revision Project proposal is going to be presented.

19. SPCS Meeting (in Meeting Materials Package)

- a. June 28-30, 2011 Meeting, CIP 706 notes.

Item 19a--A definition of Special Protection System is needed. It is important that this definition be developed to guide industry. It was brought up that NPCC has Type 1, Type 2, and Type 3 SPS.

20. NERC Compliance Application Notices (CANs) (in Meeting Materials Package)

- a. June 14, 2011 webinar.
b. July 15, 2011 webinar
c. Compliance Application Notices (CANs) and Bulletins.

Guy Zito reported that the comments provided to Valerie Agnew have been disregarded. Mike Schiavone stated that the RSC is the right forum for commenting on CANs. David Kiguel commented that the RSC Scope includes the review of CANs. The response to CANs comments is posted on the NERC Website, however the commenters are not identified.

21. NERC Bulk Electric System Definition (in Meeting Materials Package)

- a. Costs associated with any change in the definition of BES.
b. Reliability Practices for BES.
c. NERC can create and maintain Reliability Standards to BES and non-BES assets.
d. Summary of the June 2011 Definition of BES Drafting Team meetings.
e. Notes--Project 2010-17 Definition of Bulk Electric System, June 7-9, 2011.
f. Notes--Project 2010-17 Definition of Bulk Electric System, June 16, 2011.
g. Notes--Project 2010-17 Definition of Bulk Electric System, June 21-23, 2011.
h. Summary of the July 19-21, 2011 Definition of BES Drafting Team Meeting.
i. Notes-- Project 2010-17 Definition of Bulk Electric System, July 19-21, 2011.
1. 75MW technical justification outline.

Item 21b--Resulted from RCC, NPCC Executive teams. Envisioned to be a sharing activity amongst members. It was viewed as an opportunity to use any Entity's procedure or procedures as a best practice, and it could possibly lead to the development of a procedure.

Item 21c--The Drafting Team is awaiting technical justification for the 75MVA threshold. Expected in September or October of this year. If it will not be available, this will be a topic of discussion at next week's meeting in Washington, D.C. NPCC is not supportive of the 75MVA threshold. Brian Evans-Mongeon discussed the generator rating threshold. A discussion followed regarding the validity of having any generator rating threshold because of the impact of the loss of any generator on the Bulk Electric and Bulk Power Systems.

Item 21--Brian Evans-Mongeon questioned how A-10 will be affected by the new BES definition. Guy Zito responded that there will be no move to retire it. There will be a FERC/NERC BES, and a NPCC BPS.

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

- a. Disturbance Monitoring (PRC-002-NPCC-01)
 - 1. Filed with FERC May 31, 2011 (refer to Item 5T3 above).
 - 2. Filed in New Brunswick, Quebec, Ontario, and with the National Energy Board on June 8, 2011.
- b. Underfrequency Load Shedding
 - 1. Applicability revised and Open Process comments addressed.
 - 2. Revised Standard to be presented to RCC in September, 2011.
 - 3. RSC approval needed for 30 day pre-ballot review and subsequent 10 day ballot.
- c. Special Protection System
- d. Regional Reserve Sharing
 - 1. Draft RSAR developed
 - 2. TFCO soliciting for Drafting Team members.

Item 22a--FERC has the filing. No NOPR is needed. Refer to Item 5T3 above.

Item 22b--The Drafting Team was reconvened to address applicability issues. Applicability to Generator Owners, Planning Coordinators, Planning Coordinators, Transmission Owners, and Distribution Providers. The Standard is to be presented to the RCC at its Sept. 8, 2011 meeting. Seeking TFSS concurrence. RSC will then be asked to post for ballot. Discussions on a decision to post will probably will be done via teleconference.

Item 22c--Not being moved forward because of related activity at NERC. The outcome of the BES definition decision will also affect this, and the SPS definition also. A SPS continent wide standard is planned to be developed in the 2012/2013 time frame.

Item 22d--Reserve Sharing Directory being worked on at the present time.

23. NPCC Cost Effectiveness Analysis, Triage Process (in Meeting Materials Package)

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

Item 23a--Responses to questions asked by the CEAP will be compiled and reviewed by the NPCC Staff because proprietary information might have been submitted. The group was asked to review the document and provide any suggestions for improvements. The plan is to have the document posted for 45 days to get industry opinions. It will then be submitted to RSC for approval, and then the NPCC Board of Directors. The CEAP is not meant to be for economics or metrics. The intent is for it to just provide cost information to the industry.

Brian Evans-Mongeon made a motion to have the document posted for 45 days. Chris de Graffenried and David Kiguel seconded the motion. All attendees were in favor. The CEAP was sent to the Open Process for the 45 day comment period August 5, 2011.

Item 23b--It is desired to send the Triage Process to the Task Force chairs for their input. The RSC has until August 19, 2011 to provide comments. The plan is to have the Triage Process then post it for comments.

24. NY adoption of more stringent/specific NPCC Criteria

- a. Status of the filing.

Item 24a--NPCC's Margaret Mayora has this. Needs to be followed up.

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 on schedule to post the document for a second time in late August, and anticipate Full Member approval by the end of 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.	
#4 (A-5)	Bulk Power System Protection Criteria	Approved on 12/1/09.	
#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 incorporating further changes to the document this Fall.
#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 an initial draft of Directory #6 to the Open Process this Fall.
#7 (A-11)	Special Protection Systems	Approved on 12/27/07.	TFSP nearing completion of NRAP review of Directory #7. TFSP to incorporate these recent NRAP revisions (including Appendix A) of the document into a Phase 2 version and post for member comment this Fall.
#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.	TFCO has posted the initial Phase 2 drafts of both Directories #9 and #10 to the Open Process. TFCO currently developing responses to comments received during the initial posting and a second Open Process posting for both documents is anticipated in late August, 2011. Expect Full member approval of both Directory #9 and #10 by December , 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.	

b. Directory Work Plan for Phase 2 Reformatting.

Item 25b--Task Forces have to look at the Directory Work Plan for Phase 2. TFCO is looking at Directory #6. TFSP is looking at Directory #7. Hope to ballot Phase 2 of Directory #7 by the end of the year. TFCP is looking at Directory #1. There was a conference call held to deal with how to develop compliance measures. Guy Zito questioned who should draft the measures. Discussion ensued that revolved around Task Forces, or Compliance? Prior to the Phase 2 program the Directories did not have Measures. The Directories in Phase 2 have to have Measures. Discussion then revolved around whether Directories should have measures at all. An opinion expressed was that well written requirements don't need measures. The results based standards initiative may demand the inclusion of measures.

- c. Directory Development and Revision Manual.
- d. NPCC Glossary of Terms Used by Directories.

Item 25d--There are two separate glossaries; one for Directories, and a glossary for other NPCC documents. The intent is to ultimately have one glossary, and Criteria will be done away with. Ultimately there will be no Criteria (“A” documents). Some Guideline (“B” documents) and Procedures (“C” documents) may remain. There will be a need for consistency.

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.	MOD-024-RFC-01.1 - Verification and Data Reporting of Generator Gross and Net Real Power Capability) modified Violation Severity Levels (VSLs)	Posted for Comments	6/22/11	7/21/11
3.	EOP-007-RFC-02 (System Restoration Plans)	15 Day Category Ballot (for Standard's retirement)	7/14/11	7/28/11

- c. Midwest Reliability Organization Approved Standards
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.

Item 26--For information.

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

- a. Report on NERC, NAESB and Regional Activities
 - 1. May, 2011.
 - 2. June, 2011
 - 3. July, 2011.

Item 27--For information.

28. Task Force Assignments, et al. (in Meeting Materials Package)

- a. TFCO April 14-15, 2011 Meeting minutes.

Item 28--The role of TFCO in Directory development was discussed.

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

- a. NPCC new Website development.

Item 29a--New NPCC Website anticipated to be rolled out the week of August 8, 2011. The Website is being completely redone.

- b. RCC June 1, 2011 Meeting.
- c. NERC 2010 Annual Report.
- d. Cauley Testifies at House Energy and Commerce Subcommittee Hearing.
- e. NERC 2012 Business Plan and Budget--Draft 2 and Final.
- f. NERC Newsletter
 - 1. May, 2011.
 - 2. June, 2011.
 - 3. July, 2011.

- g. Ballot Results: SERC Regional UFLS Standard--PRC-006-SERC-01.
 - 1. [SERC Ballot Results](#)
 - 2. [Comment period--6/29/11 - 8/15/11](#) (link to documents)
- h. Geomagnetic Disturbances.
- i. FERC affirms NERC decision to classify wind generators as transmission owners, operators.
- j. New NERC Headquarters is opened in Atlanta, Ga.
- k. [SPP UFLS Regional Standard: Draft 6](#).

Items 29b through 29k--Reviewed for information.

- l. Use of “Regional Reliability Organization”, “Regional Entities” and “Electric Reliability Organization” in Reliability Standards.

Item 29l--Howard Gugel discussed the NERC Glossary format. He also discussed the NERC Website and standards for Quebec. Si-Truc Phan to send Howard Quebec standards information. All the Canadian participants are to check their NERC Website pages and send any corrections to Howard Gugel.

- m. Planning Committee Strategic Plan - Next Steps and Future Work Plan.
- n. NPCC 2012 Business Plan and Budget.
- o. Call for Potential Projects for Standards Development--comments were due July 29, 2011.
- p. [Regional Entities 2012 Business Plans and Budgets – FINAL](#).
- q. Nova Scotia approvals.
- r. [NARUC Board of Director Policy Resolutions](#).
- s. [NERC Standards Oversight and Technology Committee Meeting August 3, 2011--Agenda](#).
- t. [Regional Reliability Standard IRO-006-TRE-1 for comments--7/7/11-8/22/11](#).

Items 29m through 29t--Reviewed for information.

- u. [NERC Lessons Learned](#).
 - 1. Zone 3 Line Relay Mis-operation.
 - 2. Sub-Synchronous Interaction between Series-Compensated Transmission Lines and Generation.
 - 3. Insulator Coating.
 - 4. Protective Relay Field Revisions.
 Other Lessons Learned by going to [NERC Lessons Learned](#).

Item 29u--Ralph Rufrano discussed. If more information is needed on the Lessons Learned, NERC will have to be contacted. Any suggestions for the program should be given to Ralph Rufrano. Lessons Learned can result in revisions to the standards. Guy Zito suggested that to make it part of the Events Analysis process to have any relevant standards reviewed for the need for change because of the event.

- v. NERC Standards Report, Status and Timetable for Addressing Regulatory Directives.
- w. NERC Pilot State of Standards Webinar July 25, 2011.
- x. Partial decision on adoption of electricity transmission reliability standards and approval of related documents.
- y. NPCC Board of Directors Policy Input to the August 3, 2011 NERC Member Representatives Committee and August 4, 2011 NERC Board of Trustees Meetings.
- z. [SERC Regional Standards Development Procedure](#)--Comment Form.

Guy Zito discussed the “GRID Act” and its impact on emergency provisions, and how it affects restoration plans, and because of geomagnetic disturbances not being as severe as forecast, the possible effect on GMD observational satellites. Lee Pedowicz sent out copies of the GRID Act House of Representatives and Senate versions to the RSC August 8, 2011.

Not on the Agenda were the revisions to the NPCC Regional Reliability Standards Development Procedure. Guy Zito, Lee Pedowicz, and Michael Lombardi will go over questions submitted by Kurtis Chong, and Brian Gooder.

Meeting adjourned at 16:49.
Meeting adjourned at 11:27.

RSC 2011 Meeting Dates

October 26-27, 2011 Boston, Massachusetts	Dec. 1-2, 2011--Joint Meeting with the CC Dec. 2, 2011 Toronto, Ontario
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2011 RSC Conference Call Schedule
(call 719-785-1707, Guest Code 8287#)

August 19, 2011	Oct. 14, 2011
Sept. 2, 2011	Nov. 10, 2011 (Thursday)
Sept. 16, 2011	Dec. 16, 2011
Sept. 30, 2011	Dec. 30, 2011

BOD 2011 Meeting Dates

September 20, 2011 NPCC	October 26, 2011 Teleconference
November 30, 2011 Toronto	

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

RCC	Sept. 8, Nov. 29
CC	August 17, Sept. 21-22, Oct. 19, Nov. 16, Dec. 13-15
TFSS	Sept. 15-16
TFCP	August 17, Nov. 2
TFCO	August 11-12, Oct. 6-7
TFIST	
TFSP	Sept. 27-29, Nov. 15-17

Respectfully Submitted,

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

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.
Sept. 24-25, 2009					
Nov. 4-5, 2009					

Action Item Number	Agenda Item Number	Description	Owner	Due	Status
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	Sylvain Clermont	RSC Meeting	Provide update. (MOU in Meeting Materials Package)

Action Item Number	Agenda Item Number	Description	Owner	Due	Status
Nov. 30, 2010,					
Dec. 2, 2010					
69	----	Revise RSC Scope	RSC	RSC Meeting	
Feb. 2-3, 2011					
71	----	Talk to Compliance about Regional Reliability Standard RSAWs. There should be a Compliance Committee representative on the Drafting Team.	Guy Zito	RSC Meeting	Ongoing.
72	---	Find out what other Regions are doing regarding interpretations.	Guy Zito	RSC Meeting	Ongoing.
73	----	Discuss consistency with the RSG.	Guy Zito	RSC Meeting	Ongoing.
March 16-17, 2011					
75	11f	Non-convergent contingencies enumerated in Project 2010-13 - Relay Loadability Order - PRC-023 Attachment B4a.	Guy Zito	RSC Meeting	To be discussed with Sal Buffamante.
August 3-4, 2011					
76	18a	Handling of definitions	Guy Zito	RSC Meeting	To discuss with Pete Heidrich

Action Item 32--ongoing.

Action Item 60--ongoing.

Action Item 63--participants were urged to to start thinking about the joint meeting with the CC in December, 2011. Greg Campoli and Gerry Dunbar participated in a CCEP conference call August 4, 2011.

Action Item 65--Michael Jones has been taking care of this in Saurabh Saksena's absence.

Action Item 66--Complete translation of the standards expected by year end. An appendix is to be added to account for those items unique to Quebec. Si-Truc Phan is working to ensure that the translations are accurate. There are 95 Standards that have been translated and filed with the Regie. Corrections are being made. Upon acceptance, 140 Standards in total will have been translated and filed. Open issues remaining are who will register the entities in Quebec, and also uncertainty surrounding the Provincial Bulk Electric System.

Action Item 69--Kathleen Goodman made a motion to approve. Michael Lombardi seconded. With the exception of David Ramkalawan who abstained, all voted in favor. Guy Zito to bring to the NPCC Board of Directors for their approval.

Action Item 71--To be discussed with the Compliance Committee, and is ongoing.

Action Item 72--Guy Zito approached the RSG to get information. Other Regions have their interpretation information available on their Websites. Guy Zito is concerned about consistency and uniformity in interpretations. Having Regional interpretations creates the potential for problems. All interpretations **must** be consistent. This item to be removed. Guy Zito reported that a rapid revision procedure is being looked at. Guy Zito will discuss with the RSG and SC.

Action Item 73--ongoing.

Action Item 75--ongoing.