



NORTHEAST POWER COORDINATING COUNCIL, INC.
 1040 AVE OF THE AMERICAS, NEW YORK, NY 10018 TELEPHONE (212) 840-1070 FAX (212) 302-2782

NPCC REGIONAL STANDARDS COMMITTEE

AGENDA FOR MEETING #13-4
 August 21, 2013, 10:00 a.m. - 5:00 p.m. ET
 August 22, 2013, 8:00 a.m. - 3:00 p.m. ET
 Hydro One, 483 Bay Street, Toronto, ON
 Attire: Business Casual

Dial-In: 719-785-1707

Guest Code 8287#

Note: For reference – Both the [Glossary of Terms Used in NERC Reliability Standards](#), updated July 22, 2013, and the [NPCC Glossary of Terms](#), updated May 2012, are included in the Meeting Materials**.

MEETING MINUTES

Attendees:

	<i>Name</i>	<i>Organization</i>	<i>Sector</i>	<i>Day(s)</i>	<i>Comment</i>
1.	<i>Guy Zito</i>	<i>Northeast Power Coordinating Council</i>		<i>1 & 2</i>	
2.	<i>Lee Pedowicz</i>	<i>Northeast Power Coordinating Council</i>		<i>1 & 2</i>	
3.	<i>Gerry Dunbar</i>	<i>Northeast Power Coordinating Council</i>		<i>1 & 2</i>	
4.	<i>Damase Hebert</i>	<i>Northeast Power Coordinating Council</i>		<i>1 & 2</i>	
5.	<i>Michael Lombardi</i>	<i>Northeast Power Coordinating Council</i>		<i>1 & 2</i>	
6.	<i>Chris De Graffenried</i> <i>Sector 3 Proxy for</i> <i>Peter Yost</i>	<i>Consolidated Edison Co. of NY, Inc.</i>	<i>1 / 3</i>	<i>1 & 2</i>	
7.	<i>Ben Wu</i>	<i>Orange and Rockland Utilities</i>	<i>1</i>	<i>1 & 2</i>	
8.	<i>Si Truc Phan</i> <i>Sector 1 Proxy for</i> <i>Sylvain Clermont</i>	<i>Hydro Québec TransÉnergie</i>	<i>1 / 2</i>	<i>1 & 2</i>	
9.	<i>Brian Shanahan</i>	<i>National Grid</i>	<i>1</i>	<i>1 & 2</i>	
10.	<i>David Kiguel</i>	<i>Hydro One Networks Inc.</i>	<i>1</i>	<i>1 & 2</i>	
11.	<i>Mark Kenny</i>	<i>Northeast Utilities</i>	<i>1</i>	<i>1</i>	
12.	<i>Helen Lainis</i>	<i>Independent Electricity System Operator</i>	<i>2</i>	<i>1 & 2</i>	
13.	<i>Kathleen Goodman</i>	<i>ISO-NE</i>	<i>2</i>	<i>1 & 2</i>	<i>via phone</i>
14.	<i>Donald Weaver</i>	<i>New Brunswick System Operator</i>	<i>2</i>	<i>1 & 2</i>	
15.	<i>Greg Campoli</i>	<i>New York Independent System Operator</i>	<i>2</i>	<i>1 & 2</i>	
16.	<i>Michael Jones</i>	<i>National Grid</i>	<i>3</i>	<i>1 & 2</i>	
17.	<i>Mike Garton</i>	<i>Dominion</i>	<i>4</i>	<i>1 & 2</i>	<i>via phone</i>
18.	<i>David Ramkalawan</i>	<i>Ontario Power Generation Incorporated</i>	<i>4</i>	<i>1 & 2</i>	
19.	<i>Christy Koncz</i>	<i>PSEG Power</i>	<i>4</i>	<i>1</i>	<i>via phone</i>
20.	<i>Herb Schrayshuen</i> <i>Proxy for Silvia</i> <i>Parada Mitchell</i>	<i>Power Advisors, LLC – Proxy for NextEra</i> <i>Energy, LLC</i>	<i>4</i>	<i>1 & 2</i>	

	<i>Name</i>	<i>Organization</i>	<i>Sector</i>	<i>Day(s)</i>	<i>Comment</i>
21.	<i>Bruce Metruck</i>	<i>New York Power Authority</i>	<i>5</i>	<i>1</i>	<i>via phone</i>
22.	<i>Brian Robinson</i>	<i>Utility Services</i>	<i>5</i>	<i>1</i>	<i>via phone</i>
23.	<i>Diane Barney</i>	<i>New York State Dept. of Public Service</i>	<i>6</i>	<i>1</i>	<i>via phone</i>
24.	<i>Kal Ayoub</i>	<i>FERC</i>	<i>Guest</i>	<i>1 & 2</i>	
25.	<i>Howard Gugel</i>	<i>NERC</i>	<i>Guest</i>	<i>1 & 2</i>	
26.	<i>Don Nelson</i>		<i>Guest</i>	<i>1 & 2</i>	<i>via phone</i>
27.	<i>Ayesha Sabouba</i>	<i>Hydro One Networks Inc.</i>	<i>Guest</i>	<i>1 & 2</i>	
28.	<i>Sasa Maljukan</i>	<i>Hydro One Networks Inc.</i>	<i>Guest</i>	<i>1 & 2</i>	
29.	<i>Vijay Puran</i>	<i>New York State Dept. of Public Service</i>	<i>Guest</i>	<i>1</i>	<i>via phone</i>
30.	<i>Joel Charlebois</i>	<i>AESI</i>	<i>Guest</i>	<i>1 & 2</i>	
31.	<i>Ben Li</i>	<i>Independent Electricity System Operator</i>	<i>Guest</i>	<i>1 & 2</i>	

- *Guy Zito called the meeting to order at 10:00 AM on August 21, 2013.*

- *Mr. David Curtis, Director of the Hydro One Asset Strategy Division, welcomed the RSC to Toronto.*

Introductions and Chair's Remarks

- *Guy Zito noted that David Kiguel is retiring from Hydro One and that this would be his last RSC meeting. Guy presented David a plaque in recognition and appreciation of David's contributions over his tenure on the RSC. The RSC members wish David well in his retirement.*

NPCC Antitrust Compliance Guidelines**

- *NPCC Antitrust Compliance Guidelines were read.*

Agenda Items:

1.0 Review of Agenda

- *The review of the agenda noted that 13 standard development projects were currently posted by NERC for industry review and / or ballot. The NERC Standard Developers for the posted projects had been contacted and would be calling into the RSC meeting to identify where in the process each project was and to answer any questions the RSC may have.*

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2.0 RSC Meeting Minutes

2.1 Approval of Minutes: June 19 & 20, 2013 RSC Meeting #13-3**

- *The June 2013 meeting minutes were reviewed. A motion was made and seconded (by David Kiguel and Mike Jones, respectively) to approve the minutes as written. The motion passed.*

3.0 Drafting Team Members and Executive Tracking Summary

3.1 NPCC Members on NERC Drafting Teams**

- *The NERC Drafting Team participant spreadsheet was reviewed.*

3.2 Executive Tracking Summary**

- *The NERC Executive Tracking Summary (ETS) spreadsheet was reviewed. A new worksheet tab for NPCC Directory Interpretations was added to specifically track Directory Interpretations.*

3.3 PMOS Project Tracking Spreadsheet**

- *The NERC PMOS Project Tracking Sheet (a project tool used by the NERC Standards Committee (SC) and its Project Management and Oversight Subcommittee (PMOS) to track the progress of NERC standards development projects) was included in the meeting materials for information.*

4.0 Open Action Items**

- *The Open Action Items from previous RSC meetings were reviewed and status updates provided.*
 - *The due date for Item 4.3, “PRC-005 Guidance - Investigate maintenance cycles that are more stringent than those in the standard”, was moved to the next RSC meeting*
 - *Item 4.5, “Identify the filing requirements for the Canadian Provinces”, was updated as completed. Don Weaver had previously provided the NBSO MOU which indicated that “NPCC shall notify the NBSO of regional reliability criteria adopted by NPCC.” At the August RSC meeting, Helen Lainis indicated that there is not any requirement for NPCC to notify the Ontario of regional reliability criteria adopted by NPCC. However, Helen requested that NPCC notify Ontario of any new or revised NPCC criteria when approved by the NPCC BOT. Gerry Dunbar to incorporate Helen’s request into the process for filing completed directories. [Action]*
 - *Reported as completed were Items:*
 - 13-3.1, *The NERC Drafting Team participant spreadsheet was reviewed and updated at the meeting based on input from the NPCC Standards Staff and RSC Members*
 - 13-3.3, *New York Adoption of More Stringent/Specific NPCC Criteria - Provide new Completion Date*
 - 13-3.4, *The NPCC CC will not perform a formal review of RSAWs - Request was made that the RSC formally request the CC to respond*
 - 13-3.5, *Gerry Dunbar to obtain agreement from Joint Task Force Chairs regarding timeframe for task force actions*
 - 13-3.6, *Gerry Dunbar to include an appeal process in the Directory Development and Revision Manual*
 - 13-3.7, *Gerry Dunbar will circulate the proposed responses to the RSC, respond to the commenters from the open process, and re-post, circa mid-July, the revised Directory Development and Revision Manual for an additional open process comment period*
 - 13-3.9, *Lee Pedowicz will email RC reps to determine if they have Short Circuit MVA values for buses in their footprint*
 - 13-3.10, *A tracking document to keep a record of directory development activities, including interpretations, will be developed by Gerry Dunbar and included in the meeting materials for future RSC meetings*
 - 13-3.11, *The interrelation between Agenda Items 11, 12 and 13 suggests that an alternate approach to present this data may be warranted. Michael Lombardi will propose a revised format at the next RSC meeting*

5.0 Items Requiring RSC Discussion / Approval

5.1 NPCC Directory Development and Revision Manual

- *Gerry Dunbar reported on the latest revisions made to NPCC Directory Development and Revision Manual. The proposed revisions to the manual are posted for comment in the NPCC open process through 9/29/13.*

5.2 NPCC Regional Standard Processes Manual (RSPM)**

- *Michael Lombardi discussed the disposition of the comments received during the NERC and the NPCC posting of the NPCC Regional Standard Processes Manual (RSPM). A copy of the revised manual along with the disposition of the comments was included in the meeting materials. A key change in the latest proposed manual is the addition of an exit ramp to allow projects already in development to be curtailed due to changing circumstances or conditions. Another key change is the replacement of the NPCC interpretation process with the NPCC clarification process. A benefit of the NPCC clarification process is the elimination of both a NERC and NPCC process using the name "Interpretation" and thereby eliminating possible confusion. A motion was made and seconded (by Herb Schrayshuen and David Kiguel, respectively) to posted the proposed revision to the NPCC Regional Standard Processes Manual (RSPM) for a 45-day comment period. The motion passed. Michael Lombardi shall post the proposed revision of the RSPM. [Action]*

5.3 Standards Outreach

- *Guy Zito indicated that the NPCC Standards Staff is looking at options in developing a Standards Outreach Program, e.g., conduct targeted meetings at entity locations. Entity suggestions and feedback is welcome. This agenda item will be discussed at the next RSC meeting.*

6.0 NERC Reliability Standards

<http://www.nerc.com/pa/Stand/Pages/Standards-Under-Development.aspx>

6.1 Currently Posted Projects**

- *The currently posted continent-wide projects were discussed along with a review of the comments forms and all comments received by NPCC to date. The discussion of each of the projects reviewed was kicked-off by a NERC Standards Developer that called into the RSC meeting. The NERC Standards Developer provided an overview of the project (e.g., its purpose, where it is in development process as well as the next steps) and answered questions from the RSC members. Following the discussion with a NERC Standards Developer, the RSC members discussed each project and Lee Pedowicz completed the comment review form for submission to NERC.*

6.2 Ballot History (Since last RSC Meeting)**

6.3 Comment Form History (Since last RSC Meeting)**

Other Project 2013-03 Geomagnetic Disturbance Mitigation

- *A comment period and initial ballot for EOP-010-1, Geomagnetic Disturbance Operations, concluded on 8/13/13. The GMD Drafting Team (DT) called into the RSC meeting and reported:*
 - *Standard Development Stage 1 will require applicable registered entities to develop and implement Operating Procedures that can mitigate the effects of GMD events*
 - *Standard Development Stage 2 will require applicable registered entities to conduct initial and on-going assessments of the potential impact of benchmark GMD events on*

their respective system. The benchmark GMD event has not been determined and will be undertaken as part of Stage 2.

- *The proposed Stage 1 standard (EOP-010-1) is applicable to Balancing Authority Areas and Transmission Operator Areas that includes any transformer with high side terminal voltage greater than 200 kV*
- *GMD notification already exists in another standard – GMD DT indicated it will leave GMD notification in place rather than pull it into EOP-010.*

7.0 NERC Drafting Team Nominations**

<http://www.nerc.com/pa/Stand/Pages/Drafting-Team-Vacancies.aspx>

- There are currently no Drafting team vacancies nor are there any open Informal Development Team Solicitations.

- 7.1 Currently Posted Drafting Team Vacancies
- 7.2 Closed Drafting Team Nominations (Since last RSC Meeting)
- 7.3 Solicitation For Informal Development Teams

8.0 NPCC Regional Reliability Standards**

<https://www.npcc.org/Standards/default.aspx>

- 8.1 Current Activities: Regional Standards
- 8.2 Current Activities: Regional Standard Interpretations

- There are not any outstanding Regional Standards Interpretations in the queue.

- Gerry Dunbar reported that a recent request from a wind farm facility sought clarification if the applicability of PRC-006-NPCC-1 to generator underfrequency trip relays was location dependent. A reply to the requester indicated that the standard is applicable to generator underfrequency trip relays regardless of where the relays are located. Herb Schrayshuen asked how this information would be disseminated to the industry so that other generating facilities in NPCC's footprint are made aware of the response. Gerry Dunbar will post the subject response, along with the other Regional Standards Interpretations, on the NPCC website. [Action]

9.0 NPCC Non-Standards**

<https://www.npcc.org/Standards/SitePages/NonStandardsList.aspx>

- 9.1 Directories In Development
- 9.2 Directory Interpretations
- 9.3 Criteria (A) / Guides (B) / Procedures (C) Documents

10.0 RSC Member Items of Interest

- 10.1 [Reliability Guideline: Operating Reserve Management](#) – Comments due 8/31/13
The NERC Balancing Authority Reliability-based Controls Standard Drafting Team developed the Reliability Guideline: Operating Reserve Management. The guideline provides recommended practices for the management of an appropriate mix of Operating Reserve. It also provides guidance on the management of Operating Reserve required to meet the NERC Reliability Standards.
- 10.2 [Protection System Misoperation Section 1600 Data Request](#) – Comments due 9/23/13
The revised Reliability Standard, PRC-004-3 – Protection System Misoperation Identification and Correction, is currently projected to be presented to the NERC Board of Trustees (Board) in November of 2013. The Standard Drafting Team proposes to remove the data reporting obligation from Reliability Standard PRC-004-

2a and is instead proposing that NERC request the data needed for performance analysis purposes under Section 1600 of the NERC Rules of Procedure. The revised Reliability Standard PRC-004-3 standard will continue to require retention of data or evidence of compliance for audit and compliance purposes in the Compliance section of the standard. The draft data request and a sample reporting template have been posted for comment.

- It was not clear how the draft data request was distributed to the industry for comment. Howard Gugel (NERC) indicated he would follow up on this issue. Subsequent to the RSC meeting a NERC notification of Posting for Public Comment was distributed to the nerc-info list server.

11.0 Standards Activity Post NERC BOT Approval**

(Since last RSC Meeting)

- 11.1 NERC Filings to FERC
<http://www.nerc.com/FilingsOrders/Pages/default.aspx>
- 11.2 FERC Orders / Rules
<http://www.nerc.com/FilingsOrders/Pages/default.aspx>
- 11.3 Federal Register
<https://www.federalregister.gov/>

12.0 NERC Meetings

- 12.1 Standards Committee (SC) and Standards Committee Executive Committee (SCEC)
<http://www.nerc.com/comm/SC/Pages/default.aspx>

Since Last RSC Meeting

- 12.1.1 Conference Call: July 18, 2013, 1:00 to 5:00 p.m. ET, Dial-in Number: 1.866-740-1260, Code: 5247071

Upcoming

- 12.1.2 Conference Call: August 22, 2013, 1:00 to 5:00 p.m. ET, Dial-in Number: 1.866-740-1260, Code: 5247071
- 12.1.3 Meeting: September 19, 2013 – Denver (8 a.m. to 5 p.m.)
- 12.1.4 Conference Call: October 17, 2013 conference call from 1 to 5 p.m. ET, Dial-in Number: 1.866-740-1260, Code: 5247071
- 12.1.5 Conference Call: November 14, 2013 conference call from 1 to 5 p.m. ET, Dial-in Number: 1.866-740-1260, Code: 5247071
- 12.1.6 Meeting: December 11-12, 2013 – Atlanta (1 to 5 p.m. December 11; 8 a.m. to noon December 12)

- 12.2 Standards Committee Process Subcommittee (SCPS)
<http://www.nerc.com/comm/SC/Pages/Standards%20Committee%20Process%20Subcommittee%20SCPS/Standards-Committee-Process-Subcommittee-SCPS.aspx>

Since Last RSC Meeting

- 12.2.1

Upcoming

- 12.2.2 Meeting: August 29, 2013, 8:00 a.m. to 5:00 p.m. ET, Tampa, FL
- 12.2.3 Meeting: September 18, 2013, 9:00 a.m. to 5:00 p.m. MT, Denver, CO

12.2.4 Meeting: December 11, 2013, 8:00 a.m. to 5:00 p.m. ET, Atlanta, GA
- A motion was made and seconded (by Herb Schrayshuen and David Kiguel, respectively) to provide feedback to the SCPS on the quality issues that are being found in the standards recently posted for comment and/or ballot. The motion passed. **[Action]**

12.3 Standards Committee Project Management and Oversight Subcommittee (PMOS)

Since Last RSC Meeting

12.3.1 Conference Call: July 29, 2013, 2:30 p.m. to 4:00 p.m. ET, Dial-in:
1.866.740.1260 | Access Code: 7686935 | Security Code: 072913

Upcoming

12.3.2 Meeting: September 18, 2013, 1:00 to 4:00 p.m. MT, Denver, CO

12.3.3 Conference Call: October 28, 2013, 2:30 p.m. to 4:00 p.m. ET, Dial-in:
1.866.740.1260 | Access Code: 7686935 | Security Code: 072913

12.3.4 Conference Call: November 18, 2013, 2:30 p.m. to 4:00 p.m. ET, Dial-in:
1.866.740.1260 | Access Code: 7686935 | Security Code: 072913

12.3.5 Meeting: December 11, 2013, 1:00 to 4:00 p.m. ET, Atlanta, GA

- A suggestion was made for PMOS to manage the posting of projects so that the Industry is not overwhelmed by a large volume of postings. Guy Zito, as a member of PMOS will take this suggestion to the next PMOS meeting.

12.4 Member Representatives Committee (MRC) Meeting

<http://www.nerc.com/gov/bot/MRC/Pages/AgendaHighlightsandMinutes2013.aspx>

Since Last RSC Meeting

12.4.1 Informational Conference Call: July 17, 2013, 1:00 p.m. ET

12.4.2 [Meeting: August 14, 2013, 1:00 to 5:00 p.m. ET, Montreal, QC](#)

➤ [Cyber Security Standards Proposed Transition Guidance \(Revised\)](#)

Upcoming

12.4.3 Upcoming Meeting: November 6, 2013, 1:00 to 5:00 p.m. ET, Atlanta, GA

12.5 Board of Trustees (BOT) Meeting

<http://www.nerc.com/gov/bot/Pages/Agenda-Highlights-and-Minutes-.aspx>

Since Last RSC Meeting

12.5.1 [Meeting: August 15, 2013, 8:00 a.m. to 1:00 p.m. ET, Montreal, QC](#)

Upcoming

12.5.2 Upcoming Meeting: November 7, 2013, 8:00 a.m. to 1:00 p.m. ET, Atlanta, GA

12.6 Reliability Issues Steering Committee (RISC)

<http://www.nerc.com/comm/RISC/Pages/AgendasHighlightsandMinutes.aspx>

Since Last RSC Meeting

12.6.1 Meeting: July 11, 2013, 9:30 a.m. to 5:30 p.m. ET and July 12, 2013, 8:00 a.m. to noon ET, Washington, DC

12.6.2 Meeting: August 15, 2013, 12:30 p.m. to 1:30 p.m. ET, Montreal, QC (after NERC BOT Meeting)

Upcoming

12.6.3 RISC 2013 Leadership Summit: October 24, 2013, 8:30am – 4:30pm EDT

12.6.4 Meeting: October 25, 2013, 8:00am – 12:00pm EDT

12.6.5 Meeting: February 2014 (details TBD)

13.0 NERC Compliance Tools (Since last RSC Meeting)**

13.1 Compliance Application Notices (CANs)

<http://www.nerc.com/pa/comp/Resources/Pages/Compliance-Application-Notices.aspx>

13.2 Compliance Analysis Reports (CARs)

<http://www.nerc.com/pa/comp/Pages/Compliance-Analysis-Reports.aspx>

13.3 Reliability Standard Audit Worksheets (RSAWs)

[http://www.nerc.com/pa/comp/Pages/Reliability-Standard-Audit-Worksheets-\(RSAWs\).aspx](http://www.nerc.com/pa/comp/Pages/Reliability-Standard-Audit-Worksheets-(RSAWs).aspx)

14.0 NERC Items of Interest (Since last RSC Meeting)

14.1 Lessons Learned

<http://www.nerc.com/pa/rrm/ea/Pages/Lessons-Learned.aspx>

14.1.1 There were three Lessons Learned published since the last RSC Meeting.

The first two were published on July 2, 2013 and the third was published on July 25, 2013:

➤ [LL20130701 - Current Transformer Ground Relay](#)

Primary Interest Groups: Transmission Owners (TO), Transmission Operators (TOP)

➤ [LL20130702 - Transmission Relaying – Backup Ground Protection](#)

Primary Interest Groups: Transmission Owners (TO)

➤ [LL20130703 - Use Loading Resistors When Applying Solid State Contacts to High-Impedance Input Devices](#)

Primary Interest Groups: Generator Owners (GO), Generator Operators (GOP), Transmission Owners (TO), Transmission Operators (TOP)

- In addition to the above, on 8/21/13 two new lessons learned were posted on the NERC website under the “Event Analysis – Lessons Learned” page:

➤ [LL20130801 Inappropriate System Privileges Caused Loss of SCADA Monitoring](#)

➤ [LL20130802 Indistinguishable Screens during a Database Update Led to Loss of SCADA Monitoring and Control 8/21/2013](#)

14.2 Alerts

<http://www.nerc.com/pa/rrm/bpsa/Pages/Alerts.aspx>

14.2.1 There have not been any NERC Alerts released since the last RSC meeting

15.0 Other Items of Interest

15.1 NERC Reliability Standards and Compliance Workshop, Atlanta, GA, September 24, 2013 10:00 a.m. through September 26, 2013 Noon ET

15.2 NPCC 2013 Fall Compliance & Standards Workshop, Mystic, CT, November 20, 2013 9:00 a.m. through November 22, 2013 Noon ET

15.3 NPCC General Meeting, Boston, MA, December 4, 2013, 1:00m p.m. to 5:00 p.m. ET

15.4 Other Upcoming Events

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16.0 Future RSC Meetings and Conference Calls

16.1 RSC 2013/2014 Meeting Dates

October 9-10, 2013, Montreal
Dec. 5-6, 2013 (General Meeting Dec. 4, 2013), Boston, Mass.
Feb. 19-20, 2014, NextEra Energy Offices

16.2 RSC 2013 Conference Call Schedule

all Calls are planned to start at 10:00 a.m. (call 719-785-1707, Guest Code 8287#)

September 6	September 20	October 4
October 25	November 8	November 22
December 20		

Respectfully Submitted,

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