



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

NPCC Regional Standards Committee
Minutes
Meeting # 12-4

July 18, 2012 10:00 a.m. - 5:00 p.m.
July 19, 2012 8:00 a.m. - 3:00 p.m.

Day Pitney LLP Offices
One International Place
Boston, MA 02110

Dress Business Casual

RSC@npcc.org

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

Note: [Glossary of Terms Used in NERC Reliability Standards](#) dated February 8, 2012, and the [NPCC Glossary of Terms](#) dated October 26, 2011 included in the Meeting Materials.

Items in red from the July 18, 2012 session.

Items in green from the July 19, 2012.

Guy Zito called the meeting to order at 10:02 a.m.

Guy Zito called the meeting to order at 08:05 a.m.

Attendees introduced themselves.

	<u>Name</u>	<u>Organization</u>	<u>Sector</u>
1.	Guy Zito	Northeast Power Coordinating Council	
2.	Lee Pedowicz	Northeast Power Coordinating Council	

3.	Bruce Metruck	New York Power Authority	6
4.	Ben Wu	Orange and Rockland Utilities	1
5.	Don Weaver	New Brunswick System Operator	2
6.	David Kiguel	Hydro One Networks Inc.	1
7.	Don Nelson (guest)		
8.	Greg Campoli	New York Independent System Operator	2
9.	Gerry Dunbar	Northeast Power Coordinating Council	
10.	Juan Villar (guest)	FERC	
11.	Brian Shanahan	National Grid	
12.	Brian Robinson	Utility Services	5
13.	Si-Truc Phan	Hydro-Quebec TransEnergie	2
14.	Joel Charlebois (guest)	AESI	
15.	Ron Falsetti (guest)	AESI	
16.	Michael Jones (7/18/12 only)	National Grid	3
17.	Sylvain Clermont	Hydro-Quebec TransEnergie	
18.	Kathleen Goodman	ISO - New England	

On the Phone

	<u>Name</u>	<u>Organization</u>	<u>Sector</u>
1.	Michael Lombardi	Northeast Utilities	1
2.	Mike Garton	Dominion Resources Services, Inc.	4
3.	Chris de Graffenried	Consolidated Edison Co. of New York, Inc.	1
4.	Nicholas Occhionero (guest, 7/18/12)	State of New York Public Service Commission Department of Public Service	6
5.	Peter Yost	Consolidated Edison Co. of New York, Inc.	
6.	Michael Jones (7/19/12)	National Grid	3
7.	Jack Ng (guest)	Consolidated Edison Co. of New York, Inc.	
8.	Howard Gugel (guest)	NERC	

1. Antitrust Guidelines, Agenda, Introductions, Roster

- a. Carmen Agavrioloai of the IESO was approved by the NPCC Board of Directors June 26, 2012 to join the RSC. She will replace Tina Teng.
- b. Reformat Agenda and Meeting Materials Package.

Lee Pedowicz read the Antitrust Guidelines.

Item 1a--Allison Ng will be the Alternate representative for the IESO.

Item 1b--Because of the growth of the Agenda and Meeting Materials Package, Guy Zito suggested that only the actionable and high level items go on the Agenda. Put all other materials in a separate folder. After discussion, it was decided that Lee Pedowicz will put together the September RSC Meeting's Agenda in a more concise format as a trial for comment and potential improvement.

2. RSC May, 2012 Meeting Minutes (in Meeting Materials Package)

- a. May, 2012 Meeting minutes for approval.

Item 2a--There were no revisions to be made to the May, 2012 Meeting Minutes. Bruce Metruck made a motion to approve which was seconded by Si-Truc Phan. All of the attendees were in favor, with the exceptions of Michael Jones and Sylvain Clermont, both of whom abstained.

3. Action Item List (expanded table in Appendix B, supporting materials in Meeting Materials Package)

Action Item Number	Description	Owner	Due	Status
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.

- a. NPCC Members on NERC Drafting Teams. Should the documentation show just the current Drafting Team membership, or should an archive be maintained?

Action Item List--Greg Campoli is the owner of this item. Gerry Dunbar is a participant in the CCEP which has a call this Friday, July 20, 2012. The NPCC Directories are to be introduced to Compliance. There are no monetary sanctions for non-compliance, just letters as was done in the past. A schedule will be developed for the Directory introduction.

Item 3a--It is important that if a NPCC representative drops off a Drafting Team it is known to the RSC. Looking for NPCC “holes” in Drafting Team participation. **This list needs to be looked at monthly.** Lee Pedowicz and Mike Jones to follow.

4. Items Requiring RSC Approval

There were no items for this section.

5. Executive Tracking Summary (in Meeting Materials Package)

a. Review entries.

Item 5a--The Executive Tracking Summary is intended to encompass all projects that are, and have been out to work. Michael Lombardi, as the caretaker of the report, lead the discussion. RSAWs to be added. Michael Lombardi said that the Executive Tracking Summary provides a complete record.

Because of the testing of the new FTP site to post the RSC Meeting Agenda and Meeting Materials Package, Guy Zito reported that some people had problems with downloading the files. Michael Lombardi had a problem with the quantity being exceeded.

6. FERC

a. Items of Interest.

1. [FERC Denies Rehearing of Transmission Planning and Cost Allocation Rule](#)
2. [Statement of Commissioner Cheryl A. LaFleur on Rehearing of Transmission Planning and Cost Allocation Rule](#)
3. [Statement of Commissioner John R. Norris on Rehearing of Transmission Planning and Cost Allocation Rule](#)
4. Summer 2012 Energy Market and Reliability Assessment
5. [FERC Approves Policy Outlining its Role in EPA’s New Mercury Rule](#)
6. Statement of Commissioner John R. Norris on U. S. Senate Confirmation.
7. Statement of Chairman Wellinghoff on vegetation management best practices under IN12-16.
8. Statement of Commissioner Cheryl A. LaFleur on NERC's revised definition for Bulk Electric System under RM12-6 et al.
9. FERC Approves Final Rule to Integrate Variable Energy Resources under RM10-11.

Item 6a--Guy Zito reported on these items, most of which were included for information.

Item 6a9--Sylvain Clermont commented that scheduling within the hour is already being done in the NPCC. As of now it is being done every 15 minutes, but the plan is to go to every 5 minutes.

b. FERC Meeting Summaries.

1. May, 2012.
2. June, 2012.

Item 6b1--It was mentioned that E-9 addressed Order 745 regarding FERC's rulemaking directive on demand response compensation. E-12 dealt with National Grid's issue with the funding of HVDC regarding the priority of capacity on the line.

Item 6b2--Guy Zito discussed.

<u>NOPRs</u>					
<u>Item</u>	<u>NOPR</u>	<u>Docket No.</u>	<u>Posted</u>	<u>End Date</u>	<u>When Effective</u>
6N-1	NERC petitions for the approval of modified Transmission Planning Reliability Standard, TPL-001-2.	RM12-1-000	5/7/12	7/6/12	
6N-2	Under section 215 of the Federal Power Act, FERC proposes to approve a modification to the currently-effective definition of "bulk electric system" developed by NERC. FERC also proposes to approve: (1) NERC's filed revisions to its Rules of Procedure, which creates an exception procedure to add elements to, or remove elements from, the definition of "bulk electric system" on a case-by-case basis; (2) NERC's proposed form entitled "Detailed Information to Support an Exception Request" that entities will use to support requests for exception from the "bulk electric system" definition; and (3) NERC's proposed implementation plan for the revised "bulk	RM12-6-000, RM12-7-000	6/22/12		

	electric system” definition.				
6N-3	On June 22, 2012, FERC issued a “Notice of Proposed Rulemaking” in the <i>Revisions to Electric Reliability Organization Definition of Bulk Electric System and Rules of Procedure</i> . Footnote 92 of the order, which is a duplicate of footnote 91, is deleted.	RM12-6-000, RM12-7-000	6/29/12		

Item 6N-1--Regards the new NERC Standard TPL-001. The FERC language as written is vague and unenforceable. This will continue to be followed. Differentiates between planning and operations. Si-Truc Phan commented that HVDC has to be considered, but he was reminded that this was planning versus operations. The implementation of the “100kV bright line” will be impactful. The exception process will help alleviate the issue. Some entities think that loss of load is acceptable to be considered in planning.

Item 6N-2--Guy Zito lead the discussion. Peter Yost asked if the NPCC Staff was providing a response to the BES NOPR. Guy Zito commented that the regions will provide a coordinated response. Peter Yost mentioned that Stan Kopman brought up at the July 17, 2012 CC Meeting that the Task Forces will be made aware, and solicited for comments. David Kiguel said that the IESO and Hydro One will generate their own comments. He said that others were welcome to join in the submission.

Item 6N-3--Guy Zito mentioned.

<u>Petitions</u>			
<u>Item</u>	<u>Docket No.</u>	<u>Posted</u>	<u>Title</u>
6P-1	RM-__-000	5/23/12	Petition of NERC for Approval of Interpretation to CIP-006 – Cyber Security - Physical Security Of Critical Cyber Assets

<u>Final Rule</u>

<u>Item</u>	<u>Docket No.</u>	<u>Posted</u>	<u>Summary</u>
6F-1	RM11-18-000; Order No. 762	5/7/12	FERC remands proposed TPL-002-0b because it includes a provision that allows for planned load shed in a single contingency provided that the plan is documented and alternatives are considered and vetted in an open and transparent process. FERC finds that this provision is vague, unenforceable and not responsive to the previous Commission directives on this matter. The Final Rule remands NERC's proposal as unjust, unreasonable, unduly discriminatory or preferential, and not in the public interest.
6F-2	RM11-20-000; Order No. 763	5/7/12	FERC approves PRC-006-1 Automatic Underfrequency Load Shedding and EOP-003-2 Load Shedding Plans. In addition, FERC directs NERC to develop a modification to clarify the intent of one provision of the Reliability Standard. The approved Reliability Standards establish design and documentation requirements for automatic underfrequency load shedding programs that arrest declining frequency and assist recovery of frequency following system events leading to frequency degradation. FERC approves, with modifications, the related Violation Risk Factors and Violation Severity Levels, implementation plan, and effective date proposed by NERC. FERC also approves the regional variance for WECC in PRC-006-1.

6F-3	RM10-11-000	6/21/12	The Federal Energy Regulatory Commission (FERC) issued a final rule that promotes more efficient operation of the transmission system amid increasing integration of variable energy resources and benefits electric consumers by ensuring that services are provided at just and reasonable rates.
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Item 6F-1--This item was discussed with Item 6N-1.

Item 6F-2--FERC is requesting a clarification. Peter Yost asked that if PRC-006 is approved by FERC, will Directory #12 be retired. Guy Zito replied that it won't be retired right away. It is needed for the Canadian entities, and other jurisdictional issues.

Item 6F-3--Guy Zito mentioned.

<u>Other</u>			
<u>Item</u>	<u>Docket No.</u>	<u>Posted</u>	<u>Summary</u>
6O-1	RM12-4-000	5/3/12	Request for Information Revision to Transmission Vegetation Management Reliability Standard. NERC requests additional information.
6O-2	RM12-4-000	5/4/12	Data Request in Response to the NERC Petition for Approval of Proposed Reliability Standard FAC-003-2 – Transmission Vegetation Management.
6O-3	RM12-4-000	5/25/12	Response of NERC to the Office Of Electric Reliability's May 4, 2012 Data Request.
6O-4	RM06-16-010 RM06-16-011	5/4/12	Order On Motion for an Extension of Time and Setting Compliance Schedule. FERC grants NERC's motion to

			establish a compliance schedule to submit a revised BAL-003 Reliability Standard consistent with the Commission's directives in Order No. 693.
6O-5	RD11-3-000	5/17/12	FERC letter order accepting a NERC compliance filing regarding FAC-013-2 VRFs and VSLs made in response to a November 17, 2011 Commission Order.
6O-6	RD11-10-000	5/17/12	FERC letter order accepting a NERC compliance filing regarding a FAC-008-3 VRF made in response to a November 17, 2011 Commission Order.
6O-7	RM11-18-000	5/21/12	NERC requests reconsideration, or in the alternative, rehearing of FERC's April 19, 2012 order remanding the proposed TPL-002-0b. FERC's Order No. 762 found that NERC's proposed TPL-002-0b, which includes a provision that allows for planned load shed in a single contingency provided that the plan is documented and alternatives are considered in an open and transparent process ("footnote b"), is vague, unenforceable and not responsive to the previous Commission directives on this matter. FERC remanded NERC's proposal as unjust, unreasonable, unduly discriminatory or preferential, and not in the public interest. FERC also directed NERC to utilize its Expedited Standards Development Process to develop timely modifications to footnote b in response to its remand.
6O-8	AD12-13-000	5/21/12	NERC submits these comments following the April 30, 2012 Technical Conference on Geomagnetic Disturbances to the Bulk-Power System. Prepared

			statements that Gerry Cauley and Mark Lauby delivered at the technical conference on NERC's behalf.
60-9	RM06-16-000	5/31/12	NERC submits this filing in compliance with Paragraph 629 of the FERC Order No. 693 that requires that NERC provide a quarterly informational filing regarding the timeframe to restore power to the auxiliary power systems of U.S. nuclear power plants following a blackout as determined during simulations and drills of system restoration plans.
60-10	RC11-6-001	5/31/12	On March 15, 2012, FERC accepted, with limited conditions, NERC's petition requesting approval of its proposal to make informational filings in a "Find, Fix, Track and Report" (FFT) spreadsheet format of lesser-risk, remediated possible violations of Reliability Standards. NERC requests clarification or, in the alternative, rehearing, of the March 2012 Order. In this order, FERC grants in part, and denies in part, NERC's request for clarification, and denies the alternative request for rehearing.
60-11	RC11-6-002	6/1/12	Compliance Filing of the North American Electric Reliability Corporation. NERC submits this filing in compliance with FERC Order 138 FERC ¶ 61,193 (2012). In the March 15 Order, FERC accepted, with limited conditions, NERC's petition requesting approval of its proposal to make informational filings in a Find, Fix, Track and Report ("FFT") spreadsheet format of minimal risk, remediated possible violations of Reliability Standards.
60-12	RD12-1-000	5/31/12	On 2-1-12 NERC submitted a

			petition requesting approval of IRO-006-TRE-1, associated VSLs and VRFs, and an implementation plan. FERC approves the Regional Reliability Standard, VRFs and VSLs, and the implementation plan.
6O-13	RD12-	6/5/12	NERC Petition For Approval of Errata Changes to Seven Reliability Standards--BAL-005, EOP-001-0b and EOP-002b, EOP-002-3, IRO-005-3a, PER-001-0.1, TOP-002-2b.
6O-14	RM12-1-000	6/7/12	Notice of Extension of Time granted by FERC until July 20, 2012 in response to a motion filed by the American Public Power Association, Edison Electric Institute, the Electric Power Supply Association, the Electricity Consumers Resource Council, and the National Rural Electric Cooperative Association on behalf of their respective members for an extension of time to file comments in response to NOPR issued April 19, 2012 in reference to the proceeding <i>Transmission Planning Reliability Standards</i> , 139 FERC ¶ 61,059 (2012) (April 19 NOPR).
6O-15	RM10-9-000	6/14/12	On January 21, 2010, FERC issued a Notice of Inquiry seeking comments regarding whether there are conflicts between the NERC Reliability Standard IRO-006-4 (Reliability Coordination - Transmission Loading Relief (TLR)) and the curtailment priorities set forth in FERC's <i>pro forma</i> Open Access Transmission Tariff (OATT). Comments were filed by sixteen entities, including NERC. As discussed below,

			FERC terminates the Notice of Inquiry in Docket No. RM10-9-000.
60-16	RD12-1-000	6/14/12	On March 31, 2012, FERC issued an “Order Approving Regional Reliability Standard” in the above-captioned proceeding. <i>North American Electric Reliability Corporation</i> , 139 FERC ¶ 61,169 (2012). Footnote 12 of the order was revised.
60-17	RM11-11-000	7/2/12	Quarterly Report Of The North American Electric Reliability Corporation On Status of Development Of Version 5 Critical Infrastructure Protection Reliability Standards.
60-18	AD11-9-000	7/5/12	NERC’s Response to the FERC Office of Electric Reliability Letter to NERC regarding NERC’s initiative to modify the Reliability Standards to address winterization and related issues, filed today with the Federal Energy Regulatory Commission in Docket No. AD11-9-000. Includes SAR for consideration at July, 2012 Standards Committee Meeting.

Item 60--Guy Zito lead the discussion of the items. In particular:

Item 60-4--An additional year was granted for the Frequency Response Standard. Mike Potishnak is participating.

Item 60-8--Guy Zito stressed FERC’s concern over geomagnetic disturbances.

Item 60-10--Paragraph 81 issue.

Item 60-18--Regarding the Southwest Cold Weather Event the SAR was not completed correctly. Is a SAR needed to address the problems this incident revealed? Is a continent wide standard needed? The NERC CEAP could be utilized for this, and this could be a pilot for it.

7. **Posted Projects (in Meeting Materials Package)**

Concluded Ballots--See Appendix C

Comment Forms Submitted--See Appendix D

- a. Applicability of standards--BES versus non-BES.
- b. [Industry Webinar May 23, 2012--Adequate Level of Reliability Task Force.](#)
- c. Discrepancies in Definitions between the NERC Rules of Procedure and the Glossary of Terms Used in Reliability Standards.
- d. Project 2010-17 Definition of BES (Phase 2)
 1. May 1-2, 2012 Meeting--Notes.
 2. June 27, 2012 Meeting--Notes.
- e. [Project 2007-12 Frequency Response Technical Conference--May 22 and 24, 2012--click this link for materials; also in Meeting Materials.](#)
- f. [Project 2007-02 - Operating Personnel Communications Protocols White Paper on Operating Communications Protocols Posted.](#)
 1. [Project 2007-02, Standard COM-003 Industry Webinar June 7, 2012.](#)
 - a. [Remaining Questions and Answers.](#)
 - b. BES applicability?
- g. [Project 2009-01 - Disturbance and Sabotage Reporting.](#) Submitted comments for discussion.
- h. Project 2008-06 - Cyber Security Order 706 Version 5 CIP--ballot results comparison.
- i. [Industry Webinar--Request for Data or Information \(Response to Order 754\)--June 7, 2012.](#)
- j. Industry Webinar NERC Standard Processes Manual Revisions to Implement SPIG Recommendations June 25, 2012.
- k. Adequate Level of Reliability--potential jurisdictional issues over resource adequacy.
- l. [Cost Effective Analysis Process \(CEAP\) for NERC ERO Standards](#)--review of comments received.

Item 7a--Si-Truc Phan discussed the definitions of BES and BPS with regard to the NERC Glossary. What is the implication of NERC changing the BPS definition in its Glossary? What is the implication of the BES, and BPS and its affect on the Canadians? The definitions are the result of Order 693 considerations. **Guy Zito and Lee Pedowicz have an Action Item to research the definition issue, and develop an understanding of its implications. Guy Zito and Lee Pedowicz will talk to NPCC's Margaret Mayora to get legal input on the issue. A NERC legal memo will be looked for.** Brian Robinson raised the question of whether standards are written for the BES unless specified. Guy Zito responded that standards are written to the BES, but if applied to anything else, that should be specified. Is legal advice needed? What is the legal implication of BES being in the NERC Glossary, and how does it affect Canadian entities?

Item 7b--NPCC submitted comments, and the responses should be seen soon.

Item 7c--Was discussed with Item 7a.

Item 7d--Reviewed thresholds, and technical justifications. Phil Fedora is on the committee to look at consistent criteria and processes for exceptions. Ontario is considering, and to report as things develop.

Item 7e--Guy Zito lead the discussion.

Item 7f--COM-003 is not to be retired. There was a discussion of the studies done. There is the possibility of then inserting NERC implementing internal controls. Guy Zito reported that consideration is being given to consider internal control language in requirement wording. An example had been given at the Standards Committee Meeting. Kathleen Goodman commented that the industry has to write the requirements.

Item 7g--There was nothing additional to add. Discussion shifted to project 2009-01. There is a webinar for Project 2009-01 July 30, 2012. The Drafting Team is looking for input to ensure they're moving in the right direction. The Drafting Team is moving in a direction to simplify. The references to CIP-008 were removed. Guy Zito commented that this has to be thought of in the context of results based. Is it needed for reliability, duplicative, etc. Will continue to monitor.

Item 7h--Guy Zito discussed. There is a long way to go, but progress is being made.

Item 7i--Guy Zito lead the discussion.

Item 7j--Guy Zito lead the discussion. It is at a high level.

Item 7k--Guy Zito lead the discussion.

Item 7l--Guy Zito said that this is the first step in identifying costs, and risks associated with standards. Industry would be given the information. FERC could use the information as well. Specific industry supplied data. Juan Villar asked how NPCC's process is going. Guy Zito replied that it wasn't used for the Disturbance Monitoring Standard, PRC-002-NPCC-01. Phase 2 was used for the Automatic Underfrequency Load Shedding Program Standard, PRC-006-NPCC-01, and was presented to the NPCC Board of Directors as a report. Future use of the NPCC CEAP is in doubt because Regional Standards are not moving forward. NERC's process uses the same concepts as NPCC's.

	<u>Project and Supporting Materials</u>	<u>Current and Pending Ballots</u>		<u>Join Ballot Pools</u>		<u>Posted for Comment</u>	
a.	Standard Processes Manual Revisions to Implement SPIG Recommendations SPM Revisions Redline White Paper Voting Record NERC Legal Memorandum on ANSI Requirements Proposed "Sanctions Table" Recommendations to Improve the NERC Standards Development Process Announcement					6/20/12	7/19/12
b.	Project 2012-INT-02 – Interpretation of TPL-003-0a and TPL-004-0 for System Protection and Control Subcommittee Interpretation Request for Interpretation TPL-003-0a TPL-004-0 Announcement			6/19/12	7/18/12	6/20/12	7/19/12
c.	Project 2010-INT-01 – Rapid Revision of TOP-006 for FMPP TOP-006-3 Redline Implementation Plan SAR VRF/VSL Justification Announcement	7/20/12	7/30/12	6/19/12	7/18/12	6/14/12	7/30/12

	Project and Supporting Materials	Current and Pending Ballots		Join Ballot Pools		Posted for Comment	
d.	Project 2012-08.1 – Phase 1 of Glossary Updates: Statutory Definitions SAR Implementation Plan Roadmap (Revised 7-11-12) Announcement	7/24/12	8/2/12	6/19/12	7/18/12	6/19/12	8/2/12
e.	Reliability Guideline: System Operator Verbal Communications – Current Industry Practices (submit comments to: reliabilityguidelinecomments@nerc.net)					6/26/12	8/10/12
f.	Interpretation of 2012-INT-05 – Interpretation of CIP-002-3 for OGE Request for Interpretation Request for Interpretation with Interpretation Announcement					6/27/12	7/27/12

Item 7Tablea--The Standards Process Input Group revisions were put together by the MRC as a review of the standards process. Regarding the submission of comments, during the formal comment period each comment will be responded to individually. Similar comments will be grouped together, and that grouping will be considered as an individual submission. The RISC advisory committee to the NERC Board of Trustees will provide triage and leadership if issues of importance exist to the reliability of the BPS. Non-NERC resources to be used as needed. Submitting a SAR will require submitting more information to support its need. The RISC can ask other committees and non-NERC resources to look at a SAR. After its triage, will have a NERC committee take action, relegate the issue to be tabled until more information is provided, and if the standard is required the RISC will submit the Reliability Risk Statement with recommendations for action. Twelve individuals are being sought from NERC and elsewhere for the RISC. In summary, the RISC will determine if a standard is warranted. The information they collect is passed on to the Standards Committee. It is possible that a SAR might not be generated. A triage will be used to determine whether something should be made a standard. The RISC is an advisory committee. RISC members will be approved by the NERC Board of Directors at its August 16, 2012 meeting. The Comment Form was discussed, and comments generated.

Item 7Tableb--The Comment Form was discussed.

Item 7Tablec--The Comment Form was discussed.

Item 7Tabled--Guy Zito commented that adding “supply” could be intended to include black start resources and cranking paths. Discussion followed.

Item 7Tablee--There were no comments.

Item 7Tablef--The “Yes” will be kept, the comment submitted to be stricken.

8. Drafting Team Nominations Open (Current and between RSC Meetings)

a.				
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9. NERC (in Meeting Materials Package)

- a. 2012 Standards and Compliance Workshops:
 - October 23-25, 2012--Westin Buckhead in Atlanta, Georgia
- b. FERC Staff Releases Contested Audit Report; NERC Disappointed at Lack of Chance to Resolve Differences.
 1. Announcement
 2. Memo to FERC Senior Leaders
 3. NERC Audit response
 4. NERC redline response
 5. NERC recommendation comparison
 6. Statement of Commissioner Philip D. Moeller on The NERC Audit Report.
 7. Statement of Commissioner Cheryl LaFleur on The NERC Audit Report.
 8. May 21, 2012 Wall Street Journal editorial.
- c. NERC May 8-9, 2012 Meetings.
 1. Board of Trustees--in Meeting Materials, also follow the link.
 - a. Board Adopts 5 Standards; Highlights Strategic Milestones Accomplished by the ERO.
 2. Compliance Committee.
 3. Member Representatives Committee.
 - a. August 15-16, 2012--Quebec.
 - b. Member Representatives Committee Informational Session Webinar and Conference Call--August 8, 2012.
 4. Standards Oversight and Technology Committee.
 5. Policy Input.
 6. Finance and Audit Committee.
- d. Regional Standards Group.
 1. May 14, 2012 Meeting.
 - a. Notes package.
 2. July 12, 2012 Meeting.
 3. Regional Standards Group (RSG) Report to the ERO EMG.
 4. Unified Regional project Schedule.

- e. [2013 Regional Entity Business Plan and Budgets - Draft 1](#)--follow the link.
- f. NERC Standards Committee.
 - 1. Teleconference May 10, 2012.
 - 2. Teleconference June 14, 2012.
 - 3. July 11-12, 2012 Meeting.
- g. [Industry Webinar July 26, 2012--State of Standards](#).
- h. 2012 State of Reliability Report.
- i. [NERC Board of Trustees Conference Call--May 24, 2012](#).
- j. [NERC 2013 Business Plan and Budget Preparation Schedule](#).
- k. Announcements.
 - 1. [Spare Equipment Database Begins Operation](#).
 - 2. [DOE Releases Risk Management Process Guideline](#).
- l. Standards Committee Segment 5 Special Election Final Ballot Results-- Gary Kruempel of MidAmerican Energy Company elected.
- m. [NERC Events Analysis - Lessons Learned](#).
 - 1. June 19, 2012.
- n. NERC Operating Committee Meeting Notes--June 19-20, 2012. Proposed changes to the Standards Process Manual, et al. Cyber Standard updates make the EMS vulnerable to failures during the revisions.
- o. NERC July Meetings.
 - 1. [Member Representatives Committee Meeting July 10, 2012](#).
- p. SPCS Meeting June 26-28, 2012.
- q. Paragraph 81 Project.

Item 9a--Howard Gugel doesn't know when the announcement will come out. He thinks after the July 26, 2012 webinar.

Item 9b--Was discussed.

Item 9c--Was discussed.

Item 9d--Was discussed. Intention to get regional collaboration, and make known what's going on in the Regions.

Item 9e--Guy Zito discussed with Sylvain Clermont.

Item 9f--Was discussed.

Item 9g--Was discussed.

Item 9h--Sylvain Clermont questioned what the purpose of the document was. Information was provided by RAS.

Item 9i--The schedule was discussed.

Item 9j--Discussed.

Items 9k1--Sylvain Clermont questioned the use of the database.

The database was put together by the Transmission Owners. Kathleen Goodman commented that it was not intended to be mandatory.

Items 9l thru 9n--Discussed for information.

Item 9o1--Sylvain Clermont had nothing to report from the meeting.

Item 9p--Was discussed.

Item 9q--Was discussed. Guy Zito reported that there are 79 requirements to be deleted. Will be posted for comment. Guy Zito and David Kiguel are working on the Comment Form. They will probably be on the Drafting Team. Intention to get rid of “low hanging fruit” first. David Kiguel commented that there are doubts over whether or not the timeline will be met. Intention to get rid of requirements that don’t have an impact on reliability, or are redundant. Guy Zito described the process used to review the requirements to select the candidates. The SAR will be posted along with a list of candidates. Kathleen Goodman questioned whether or not the 79 requirements were the right ones. Disputed that the SAR will not allow changes to the list. The SAR will be posted for comment. Will the list meet the criteria of the SAR? Kathleen Goodman commented that the SAR has to be commented on by the industry. Discussion followed. Guy Zito commented that the requirements should meet the criteria in the SAR. Howard Gugel commented that the Drafting Team will consider changes in requirements. Some could be added, some be done in Phase 2, and some considered for inclusion in Phase 1. Guy Zito reported that there is an aggressive timeframe to bring the list to the NERC Board of Directors in November of this year.

10. NERC Compliance Activity (in Meeting Materials Package)

CANs Reviews Completed--See Appendix E

- a. CAN-0038 has been removed from the development process. The issue of how many hours constitute five days of training was resolved for the PER-002-0 R4 and PER-004-1 R2 requirements by PER-005-1 R3 (enforceable April 1, 2011).
- b. Focus Group reports. NERC conducted eight focus groups to obtain function-specific input for the development of the Entity Assessment template.
- c. CAN Status and Priority List.
 1. CAN-0041 Dynamic Modeling in a Next-Day Assessment removed from the development process.
- d. NERC Compliance Announcements.
 1. June 8, 2012.
 - a. Bulletin #2012-001 Applicability of PRC-023 for Generator Owners.
 2. June 15, 2012.
- e. 2011 Compliance Monitoring and Enforcement Program Annual Report.

Item 10a--Discussed.

Item 10b--Discussed.

Items 10c, 10d, 10e--Mentioned.

	<u>Draft CANs--Table</u>	<u>Posted</u>	<u>Comments Due</u>
1.	<u>DRAFT CAN-0033 PRC-023 Transmission Relay Loadability Criteria Selection, Facility Rating Selection, and Applicability to Specific Protection Functions</u>	6/8/12	6/29/12 Changed to: 7/9/12 7/27/12
2.	<u>DRAFT CAN-0044 TOP-001 Operating Emergencies and Emergency Conditions</u>	6/8/12	6/29/12 Changed to: 7/9/12 7/27/12

Comments submitted for CAN-0033, CAN-0044 July 9, 2012 (see Items 10Table1, 10Table2 in Meeting Materials).

11. NERC Standards Bulletins (link is to the current bulletin; in Meeting Materials Package)

- a. May 7-13, 2012.
- b. May 14-20, 2012.
- c. May 21-27, 2012.
- d. May 29 - June 3, 2012.
- e. June 4-10, 2012.
- f. June 11-17, 2012.
- g. June 18-24, 2012.
- h. June 25 – July 1, 2012.
- i. July 2-8, 2012.
- j. July 9-15, 2012.

Items 11a thru j--to be removed from the Agenda in future meetings.

12. NPCC Regional Standards, and Related Items (in Meeting Materials Package)

- a. Regional Reliability Standards Development Procedure.
- b. PRC-006-NPCC-1 - Automatic Underfrequency Load Shedding--filed with FERC May 4, 2012.
- c. NPCC RSC Triage Process for Standards Related Matters.
- d. RSC Scope--revised.
- e. Regional Approval Timelines.
- f. Open Process Review of Revised Draft B-01.

Item 12a--This effort will resume. Was waiting for the work going on with the NERC process.

Item 12b--Status mentioned.

Item 12c--Guy Zito lead the discussion. The Triage Process is not getting results. Suggestions were solicited from the RSC on how to improve the process. Ron Falsetti suggested bringing the issues to the Task Force chairs.

Item 12d--Lee Pedowicz will check the status of the RSC Scope.

Item 12e--Guy Zito led the discussion.

Item 12f--Guy Zito lead the discussion.

13. NPCC Directory and Regional Work Plan Status

- a. Directory #12 Under frequency Load Shedding Program Requirements Implementation Plan--initial date insertion.
- b. Directory Interpretations.
 1. Directory #3 Maintenance Criteria for Bulk Power System Protection-- Section 5.6.2 Interpretation. Given to TFSP July 11, 2012.
 2. TFCO June 6, 2012 conference call review of Directory #1 Design and Operation of the Bulk Power System, consideration of Directory #8 interpretation.
 3. Directory #8 System Restoration--Interpretation.

Item 13b--Gerry Dunbar discussed interpretations. Peter Yost asked if interpretation requests are published. Gerry Dunbar responded that initially no. They are given to the appropriate Task Force. Once the Task Force is done, the request and the interpretation are posted.

TFSP is running into problems reformatting Directories #4, #7. They are having a problem with the criteria. To be discussed at the July 20, 2012 TFSP Meeting. A recommendation is to be made to the Compliance Committee. The problems are arising because of the specific nature of the criteria.

14. New York Adoption of More Stringent/Specific NPCC Criteria

Item 14--Guy Zito reported that this is ongoing.

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

- a. MISO Monthly NERC, NAESB Regional Entity Update--May, 2012.
- b.

Item 15--Because the subject matter of the calls does not impact standards, this item to be removed.

16. Other

- a. Arizona - Southern California Outages on September 8, 2011. FERC, NERC staff reports.
 1. [News Release](#)
 2. [Report](#)
 3. [FERC Staff Statement](#)
 4. [Sequence of Events](#)
 5. [Findings and Recommendations](#)
- b. New Web-Based Data System Helps Mandatory Collection Efforts for NERC.
- c. New England's Power Grid Summer Outlook Announced.
- d. H.R. 3674--A Bill to amend the Homeland Security Act of 2002 to make certain improvements in the laws relating to cybersecurity, and for other purposes.
- e. [New Technical Standard for Synchrophasors Adopted by the International Electrotechnical Commission.](#)
- f. NERC Modeling Seminar--frequency response, frequency response modeling.
- g. [NERC Releases Two Reports Focused on High-Impact, Low-Frequency Risks](#)
- h. [NERC's new General Counsel--Charles A. Berardesco of Constellation Energy.](#)
- i. [Ballot Results for Version 5 of the MRO Standards Process Manual.](#)
- j. Media Release--Summer Reserve Margins Predicted to be Adequate in Most Regions; ERCOT Below Reserve Capacity Targets.
- k. [FERC-NERC Report on Northeast Transmission Outage Stresses Vegetation Management--report on the October, 2011 Northeastern U.S. snowstorm.](#)
 1. [Report on Transmission Facility Outages During the Northeast Snowstorm of October 29-30, 2011--Causes and Recommendations.](#)
- l. NERC News.
 1. [May, 2012.](#)
 2. [June, 2012.](#)
- m. [NERC 2011 Annual Report May, 2012.](#)
- n. [NERC 2013 Business Plan and Budget--DRAFT 2.](#)
- o. [2012 Emerging Issues Survey for Long Term Reliability Assessment.](#) To be returned to Phil Fedora by July 23, 2012.
- p. [RCC Meeting Minutes.](#)
 1. March 1, 2012.
 2. April 30, 2012.

Item 16a--Guy Zito reported that there are no reliability gaps identified in NPCC exposed by the event. Guy Zito will send out recommendations when finalized.

Item 16b--Regarding GADS, Si-Truc Phan wants to add a field for 100kV and higher to cover the new BES definition.

Item 16c--For information.

Item 16d--Guy Zito lead the discussion.

Item 16e--Guy Zito lead the discussion.

Item 16f--ERAG--Paul Roman was there.

Items 16g thru j--Items for information.

Item 16k--Trees outside of the right of way presenting a danger were mentioned.

Item 16o--Sylvain Clermont discussed. Item 1 related to the EPA. Any comments have to be submitted to Phil Fedora by July 23, 2012.

Item 16p--For information.

17. Meetings

RSC 2012 Meeting Dates

September 5-6, 2012 Hydro-Quebec Offices, Montreal	November 29-30, 2012--Montreal (NPCC General Meeting)
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Item 17--The September, 2012 RSC Meeting will be held at the SpringHill Suites, Old Montreal at 445 Rue Saint-Jean-Baptiste in Montreal Canada.

2012 RSC Conference Call Schedule

(call 719-785-1707, Guest Code 8287#)

August 3, 2012	October 12, 2012
August 17, 2012	November 9, 2012
August 31, 2012	December 14, 2012
September 14, 2012	December 28, 2012
September 28, 2012	

BOD 2012 Meeting Dates

August 7, 2012 (Teleconference)
September 19, 2012--NPCC Offices
October 30, 2012 (Teleconference)
November 28, 2012--Montreal, Quebec

RCC, CC, and Task Force Meeting Dates--2012

RCC	Sept. 12, Nov. 27
CC	8/15 (Conference Call), 9/13-14 (NPCC Offices, NYC), 10/17 (Conference Call), 11/29-30 (Montreal, Joint with RSC)
TFSS	
TFCP	August 15, Nov. 7
TFCO	August 30, October 17, November 29
TFIST	
TFSP	July 17-19, September 18-19, November 13-14

Respectfully Submitted,

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

Meeting adjourned at 16:51.
Meeting adjourned at 10:50.

Appendix A

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 212-335-4765.

Appendix B (Item 3)

Action Item List

Date	Action 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. Joint RSC/CC Meeting this meeting.

Appendix C (Item 8)

Concluded Ballots (in Meeting Materials Package)

https://standards.nerc.net/Ballots.aspx (clicking in the column to the right of "Ballot Periods" column links to the Ballot Results)					Results of Ballot	RSC Recommend/Date
a.	Project 2010-11 - TPL Table 1, Footnote B	Recirculation Ballot	1/26/11	2/5/11	Quorum: 93.61% Approval: 86.54%	Yes 1/5/11
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-	Successive Ballot and Non-Binding	1/24/11	2/13/11	Quorum: 83.95% Approval:	Yes 2/11/11

https://standards.nerc.net/Ballots.aspx (clicking in the column to the right of "Ballot Periods" column links to the Ballot Results)					Results of Ballot	RSC Recommend/Date
	023	Poll			65.71%	
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 Ballot Results Revised because of NERC IT problem	Cast Ballot	7/22/11	8/1/11	Quorum: 90.25% Approval: 46.53%	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: 88.75% Approval: 56.00%	----

https://standards.nerc.net/Ballots.aspx (clicking in the column to the right of "Ballot Periods" column links to the Ballot Results)					Results of Ballot	RSC Recommend/Date
o.	Project 2007-09 – Generator Verification – PRC-024-1 Ballot Results Revised because of NERC IT problem	Cast Ballot	7/22/11	8/1/11	Quorum: 90.82% Approval: 18.23%	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: 88.35% Approval: 20.79%	----
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: 75.37% Approval: 93%	----
w.	Project 2006-06 - Reliability Coordination - IRO-005-4	Cast Non-Binding Poll Opinion	7/15/11	7/25/11	Quorum: 75.66% Approval: 93%	----
x.	Project 2006-06 - Reliability Coordination - IRO-014-2	Cast Non-Binding Poll Opinion	7/15/11	7/25/11	Quorum: 75.37% Approval: 89%	-----

https://standards.nerc.net/Ballots.aspx (clicking in the column to the right of "Ballot Periods" column links to the Ballot Results)					Results of Ballot	RSC Recommend/Date
y.	Project 2007-17 - Protection System Maintenance and Testing - PRC-005	Initial Ballot	9/19/11	9/28/11 9/29/11-- Technical Difficulties	Quorum: 84.86% Approval: 61.10%	Yes 9/21/11
z.	Project 2007-17 - Protection System Maintenance and Testing - PRC-005	Non-Binding Poll VRFs and VSLs	9/19/11	9/28/11 9/29/11-- Technical Difficulties	Quorum: 83.13% Approval: 68.68%	----
aa.	Project 2010-17 - Definition of Bulk Electric System - Initial Ballot of Definition of BES	Initial Ballot	9/30/11	10/10/11	Quorum: 92.97% Approval: 71.68%	No Consensus 10/3/11
bb.	Project 2010-17 - Definition of Bulk Electric System - Initial Ballot of Detailed Information to Support BES Exceptions Request	Initial Ballot	9/30/11	10/10/11	Quorum: 89.53% Approval: 64.03%	No Consensus 10/7/11
cc.	Project 2007-07 - Vegetation Management	Recirculation Ballot	10/4/11	10/13/11	Quorum: 87.17% Approval: 86.25%	Yes 2/22/11
dd.	Project 2011-INT-01 - Interpretation of MOD-028 for Florida Power & Light Company	Initial Ballot	11/7/11	11/16/11	Quorum: 88.05% Approval: 85.53%	Yes 11/8/11
ee.	Project 2009-22 - Interpretation of COM-002-2 R2 by the IRC	Initial Ballot	11/8/11	11/17/11	Quorum: 91.2% Approval: 95.05%	Yes 11/8/11
ff.	Project 2010-07 - Generator Requirements at the Transmission Interface-- FAC-001-1	Initial Ballot	11/9/11	11/18/11	Quorum: 88.22% Approval: 86.94%	Yes 11/10/11
gg.	Project 2010-07 - Generator Requirements at the Transmission Interface-- FAC-003-3	Initial Ballot	11/9/11	11/18/11	Quorum: 85.08% Approval: 85.71%	Yes 11/10/11
hh.	Project 2010-07 - Generator Requirements at the Transmission Interface-- FAC-003-X	Initial Ballot	11/9/11	11/18/11	Quorum: 84.82% Approval: 85.31%	Yes 11/10/11

https://standards.nerc.net/Ballots.aspx (clicking in the column to the right of "Ballot Periods" column links to the Ballot Results)					Results of Ballot	RSC Recommend/Date
ii.	Project 2010-07 - Generator Requirements at the Transmission Interface-- PRC-004-2.1	Initial Ballot	11/9/11	11/18/11	Quorum: 84.29% Approval: 96.09%	Yes 11/10/11
jj.	Project 2010-17 - Definition of Bulk Electric System and Implementation Plan	Recirculation Ballot	11/10/11	11/21/11	Quorum: 95.92% Approval: 81.32%	Yes 10/3/11
kk.	Project 2010-17 - Detailed Information to Support an Exception Request	Recirculation Ballot	11/10/11	11/21/11	Quorum: 93.02% Approval: 81.48%	Yes 10/3/11
kk1.	Project 2008-10 - Interpretation of CIP-006-x R1 for Progress Energy	Successive Ballot	11/11/11	11/21/11	Quorum: 83.53% Approval: 95.99%	Yes 11/14/11
ll.	Project 2007-12 - Frequency Response	Initial Ballot and Non-Binding Poll	11/30/11	12/9/11	Quorum: 93.92% Approval: 30.82%	No 12/5/11
mm.	Project 2009-01 - Disturbance and Sabotage Reporting - CIP-001 and EOP-004	Initial Ballot and Non-Binding Poll	12/2/11	12/12/11	Quorum: 87.97% Approval: 36.21%	No 12/5/11
nn.	Project 2008-06 - Cyber Security - Order 706 - CIP-002 through CIP-009 (Version 5 CIP Standards)	Initial Ballots Please Vote for each of the 10 CIP Standards Separately	12/16/11	1/6/11	See Table below	No 12/16/11

For Item nn above--

CIP-002-5 Cyber Security — BES Cyber System Identification	Quorum: 93.62% Approval: 22.09%
CIP-003-5 Cyber Security — Security Management Controls	Quorum: 93.62% Approval: 33.49%

CIP-004-5 Cyber Security — Personnel and Training	Quorum: 93.62% Approval: 26.82%
CIP-005-5 Cyber Security — Electronic Security Perimeter(s)	Quorum: 93.62% Approval: 28.04%
CIP-006-5 Cyber Security — Physical Security	Quorum: 93.61% Approval: 29.60%
CIP-007-5 Cyber Security — Systems Security Management	Quorum: 93.61% Approval: 24.15%
CIP-008-5 Cyber Security — Incident Reporting and Response Planning	Quorum: 94.02% Approval: 34.30%
CIP-009-5 Cyber Security — Recovery Plans for BES Cyber Assets and Systems	Quorum: 93.61% Approval: 27.28%
CIP-010-1 Cyber Security — Configuration Change Management	Quorum: 93.61% Approval: 26.61%
CIP-011-1 Cyber Security — Information Protection	Quorum: 93.61% Approval: 29.88%
CIP V5 Implementation Plan	Quorum: 92.15% Approval: 42.06%
CIP V5 Definitions	Quorum: 92.56% Approval: 25.34%

https://standards.nerc.net/Ballots.aspx (clicking in the Results of Ballot column links to the Ballot Results)					Results of Ballot	RSC Recommend/Date
oo.	Project 2011-INT-01 - Interpretation of MOD-028 for Florida Power & Light Company	Recirculation Ballot	12/12/11	12/22/11	Quorum: 90.10% Approval: 92.49%	Yes 11/8/11

pp.	Project 2009-22 - Interpretation of COM-002-2 R2 by the IRC	Recirculation Ballot	12/14/11	12/23/11	Quorum: 92.00% Approval: 94.58%	Yes 11/8/11
qq.	Project 2010-07 - Generator Requirements at the Transmission Interface--PRC-004-2.1 FAC-001-1 FAC-003-3 FAC-003-X PRC-004-2.1a	Recirculation Ballot	12/14/11	12/23/11	Quorum: 88.48% Approval: 90.10% Quorum: 87.17% Approval: 85.38% Quorum: 86.91% Approval: 85.03% Quorum: 86.65% Approval: 96.43%	Yes 11/10/11
rr.	Project 2007-03 - Real-time Transmission Operations - TOP-001-2, TOP-002-3 and TOP-003-2 TOP-001-2 TOP-002-3 TOP-003-2	Successive Ballots	1/3/12	1/12/12	Quorum: 82.04% Approval: 59.93% Quorum: 82.04% Approval: 77.08% Quorum: 82.04% Approval: 78.95%	1/9/12 TOP-001-2--No TOP-002-3--Yes TOP-003-2--Yes

ss.	Project 2008-10 - Interpretation of CIP-006-x R1 for Progress Energy	Recirculation Ballot	12/9/11	12/19/11	Quorum: 88.02% Approval: 96.04%	Yes 11/14/11
tt.	Project 2007-03 - Real-time Transmission Operations - TOP-001-2, TOP-002-3 and TOP-003-2 TOP-001-2 TOP-002-3 TOP-003-2	Non-Binding Polls	1/9/12	1/18/12 Extended to 1/19/12	Quorum: 81.50% Approval: 67.61% Quorum: 76.41% Approval: 71.42% Quorum: 81.50% Approval: 70.28%	-----
uu.	Project 2006-06 - Reliability Coordination - COM-001, COM-002 and IRO-001-3	Successive Ballots and Non-Binding Polls	1/30/12	2/8/12 Changed to 2/9/12	Quorum: Approval:	2/7/12 COM-001-02--No COM-002-3--Yes IRO-001-3--Yes
vv.	Project 2010-07 - Generator Requirements at the Transmission Interface--PRC-004-2.1	Non-Binding Poll	1/4/12	1/13/12	Quorum: 78.27% Approval: 93.00%	-----
ww.	Project 2009-26 - Interpretation of CIP-004-1 by WECC	Successive Ballot	3/14/12	3/23/12	Quorum: 88.55% Approval: 79.61%	Yes 3/16/12
xx.	Interpretation 2010-INT-05 - Interpretation of CIP-002-1 R3 for Duke Energy	Initial Ballot	3/14/12	3/23/12	Quorum: 89.63% Approval: 94.71%	Yes 3/16/12
yy.	Project 2011-INT-02 - Interpretation of VAR-002 for Constellation	Initial Ballot	3/14/12	3/23/12	Quorum: 86.92% Approval: 63.09%	Yes 3/16/12

zz.	Project 2010-07 - Generator Requirements at the Transmission Interface - FAC-003-X, FAC-003-3		Successive Ballots	3/30/12	4/9/12	Yes 4/5/12	
	FAC-003-3	Quorum: 80.37% Approval: 85.18%					
	FAC-003-X	Quorum: 80.10% Approval: 85.01%					
aaa.	Project 2010-07 - Generator Requirements at the Transmission Interface - PRC-005-1.1a		Initial Ballot	4/6/12	4/16/12	Quorum: 88.95% Approval: 92.41%	Yes 4/16/12
bbb.	Project 2007-03 - Real-time Transmission Operations - TOP-001 through TOP-008 and PER-001		Successive Ballots	4/11/12	4/20/12	Quorum: Approval:	
ccc.	Project 2007-17 Protection System Maintenance and Testing - PRC-005		Successive Ballot	3/19/12	3/28/12	Quorum: Approval:	Yes 3/19/12
ddd.	Project 2007-09 Generator Verification - MOD-026-1 and PRC-024-1		Successive Ballot	3/19/12	3/29/12		Yes 3/19/12
	MOD-026-1	Quorum: 80.82% Approval: 61.25%					
	PRC-024-1	Quorum: 79.75% Approval: 40.99%					

eee.	<u>Project 2007-09 Generator Verification - MOD-025-2, MOD-027-1, and PRC-019-1</u> <u>Announcement</u>					
		Initial Ballot	Non-binding Poll Results			
	MOD-025-2	<u>Quorum: 88.28%</u> <u>Approval: 41.09%</u>	<u>Quorum: 86.82%</u> <u>Supportive Opinions: 43.72%</u>	4/6/12	4/16/12	Yes 4/16/12
	MOD-027-1	<u>Quorum: 88.04%</u> <u>Approval: 36.84%</u>	<u>Quorum: 86.04%</u> <u>Supportive Opinions: 38.56%</u>			
	PRC-019-1	<u>Quorum: 88.04%</u> <u>Approval: 48.70%</u>	<u>Quorum: 86.53%</u> <u>Supportive Opinions: 46.38%</u>			
fff.	<u>Project 2007-03 - Real-time Transmission Operations</u>					
	TOP-001-2	<u>Quorum: 78.28%</u> <u>Approval: 75.65%</u>	Successive Ballots	4/11/12	4/20/12	TOP-001 Abstain 4/19/12
	TOP-002-3	<u>Quorum: 78.02%</u> <u>Approval: 87.22%</u>				TOP-002 Yes 4/19/12
	TOP-003-2	<u>Quorum: 78.28%</u> <u>Approval: 80.11%</u>				TOP-003 Yes 4/19/12
ggg.	Project 2008-06 - Cyber Security Order 706 Version 5 CIP		Successive Ballots	5/11/12	5/21/12	See Table below Abstain 5/17/12

For Item ggg above--

<u>CIP-002-5 Cyber Security — BES Cyber System Identification</u>	<u>Quorum:</u> 86.21% <u>Approval:</u> 36.58%
<u>CIP-003-5 Cyber Security — Security Management Controls</u>	<u>Quorum:</u> 87.04% <u>Approval:</u> 61.45%
<u>CIP-004-5 Cyber Security — Personnel and Training</u>	<u>Quorum:</u> 86.98% <u>Approval:</u> 39.42%
<u>CIP-005-5 Cyber Security — Electronic Security Perimeter(s)</u>	<u>Quorum:</u> 86.57% <u>Approval:</u> 55.93%
<u>CIP-006-5 Cyber Security — Physical Security</u>	<u>Quorum:</u> 86.80% <u>Approval:</u> 39.09%
<u>CIP-007-5 Cyber Security — Systems Security Management</u>	<u>Quorum:</u> 86.60% <u>Approval:</u> 46.49%
<u>CIP-008-5 Cyber Security — Incident Reporting and Response Planning</u>	<u>Quorum:</u> 85.77% <u>Approval:</u> 68.24%
<u>CIP-009-5 Cyber Security — Recovery Plans for BES Cyber Assets and Systems</u>	<u>Quorum:</u> 86.60% <u>Approval:</u> 61.13%
<u>CIP-010-1 Cyber Security — Configuration Change Management</u>	<u>Quorum:</u> 85.98% <u>Approval:</u> 48.67%
<u>CIP-011-1 Cyber Security — Information Protection</u>	<u>Quorum:</u> 85.98% <u>Approval:</u> 59.15%
<u>CIP V5 Implementation Plan</u>	<u>Quorum:</u> 84.71% <u>Approval:</u> 65.85%
<u>CIP V5 Definitions</u>	<u>Quorum:</u> 83.68% <u>Approval:</u> 47.23%

hhh.	Project 2010-07 - Generator Requirements at the Transmission Interface		Recirculation Ballot	4/24/12	5/3/12	
	FAC-003-3	Quorum: 81.72% Approval: 87.34%				
	FAC-003-X	Quorum: 81.94% Approval: 87.32%				
	PRC-005-1.1a	Quorum: 90.44% Approval: 93.23%				
iii.	Project 2009-01 - Disturbance and Sabotage Reporting		Successive Ballot	5/15/12	5/24/12	Quorum: 84.43% Approval: 46.18%
			Non-binding Poll Results			Quorum: 79.95% Supportive Approvals: 52.67%
jjjj.	Project 2007-03 - Real-time Transmission Operations		Recirculation Ballots	4/27/12	5/6/12	TOP-001 Abstain 4/19/12 TOP-002 Yes 4/19/12 TOP-003 Yes 4/19/12
	TOP-001-2	Quorum: 79.36% Approval: 76.84%				
	TOP-002-3	Quorum: 79.36% Approval: 88.11%				
	TOP-003-2	Quorum: 79.36% Approval: 80.79%				

kkkk.	Project 2007-02 - Operating Personnel Communication Protocols	Initial Ballot	6/11/12	6/20/12	Quorum: 84.14% Approval: 21.11%	No 6/13/12
		Non-binding Poll			Quorum: 81.01% Approval: 28.78%	
llll.	Project 2009-26 - Interpretation of CIP-004-1 by WECC	Recirculation Ballot	4/20/12	4/30/12	Quorum: 90.96% Approval: 80.08%	Yes 3/16/12
mmmm.	Interpretation 2010-INT-05 - Interpretation of CIP-002-1 R3 for Duke Energy	Recirculation Ballot	4/20/12	4/30/12	Quorum: 92.68% Approval: 94.61%	Yes 3/16/12
nnnn.	Project 2011-INT-02 - Interpretation of VAR -002 for Constellation	Successive Ballot	6/18/12	6/27/12	Quorum: 85.98% Approval: 68.22%	Yes 6/26/12
oooo.	Project 2007-06 - System Protection Coordination	Initial Ballot	6/26/12	7/5/12	Quorum: 84.24% Approval: 23.82%	No 6/27/12
		Non-binding Poll			Quorum: 82.26% Approval: 25.19%	
pppp.	Project 2007-17 Protection System Maintenance and Testing - PRC-005	Successive Ballot	6/18/12	6/27/12	Quorum: 79.46% Approval: 79.00%	Yes 6/22/12
		Non-binding Poll			Quorum: 75.00% Approval: 70.21%	

qqqq.	Project 2006-06 - Reliability Coordination - COM-001, COM-002 and IRO-001-3		Successive Ballot (COM-001-2) Recirculation Ballot (COM-002-3, IRO-001-3)	6/27/12	Orig.--7/6/12 COM-001-2 Extended to 7/9/12	No Consensus 7/5/12
	COM-001-2	Successive Ballot	Non-binding Poll (All)			
		Quorum: 75.37% Approval: 72.16%	Quorum: 75.37% Approval: 73.71%			
	COM-002-3	Recirculation Ballot	Quorum: 84.16% Approval: 79.16%			
		Quorum: 85.34% Approval: 81.71%				
	IRO-001-3	Recirculation Ballot	Quorum: 83.87% Approval: 86.91%			
		Quorum: 85.04% Approval: 81.72%				

Appendix D (Item 8)

Comment Forms Submitted (in Meeting Materials Package)

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
gg.	Proposed Changes to NERC Rules of Procedure and associated Appendices (Appendix 4B – Sanction Guidelines; and Appendix 4C – Compliance Monitoring and Enforcement Program)	Sent Comments to ROPcomments@nerc.net	6/30/11	8/15/11
hh.	Project 2007-17 - Protection System Maintenance and Testing - PRC-005	Comment Form	8/15/11	9/29/11 (Extended from 9/28/11 because of NERC network problems)
ii.	Compliance Application Notice (CAN) Process	Comment Form	8/15/11	9/6/11
jj.	CAN-0016 CIP-001 R1 - Sabotage Reporting Procedure	Comment Form	8/15/11	9/6/11
kk.	<u>Project 2010-17 - Definition of Bulk Electric System - Initial Ballot of Definition of BES</u>	Comment Form	8/26/11	10/10/11

mm.	Proposed Changes to NERC Rules of Procedure and All Appendices	Sent Comments to cancomments@nerc.net No Comments Submitted	9/2/11	10/17/11
nn.	NERC 2012-2014 Reliability Standards Development Plan	Comment Form	9/12/11	9/26/11
oo.	DRAFT CANs Posted for Comment and Retirement of CAN-0001 through 0004 (See note below table)	Sent Comments to cancomments@nerc.net	8/31/11	9/21/11
pp.	New CAN Template, five DRAFT CANs for Industry review, and CANs Status posted to NERC Compliance's Web site.	Sent Comments to cancomments@nerc.net	9/23/11	10/14/11
qq.	Project 2010-17 - Bulk Electric System (BES) Definition - Rules of procedure Modifications to Support BES Exception Requests	Comment Form	9/13/11	10/27/11
rr.	Project 2011-INT-01 - Interpretation of MOD-028 for Florida Power & Light Company	Comment Form	10/3/11	11/16/11
ss.	Project 2009-22 - Interpretation of COM-002-2 R2 by the IRC	Comment Form	10/4/11	11/17/11
tt.	Project 2010-07 - Generator Requirements at the Transmission Interface	Comment Form	10/5/11	11/18/11
uu.	CAN-0020--TPL-002, TPL-003, TPL-004 and TOP-002 Equipment Maintenance Outages	Sent Comment Form to cancomments@nerc.net	10/19/11	11/9/11
vv.	CAN-0030--Attestations	No Comments	10/19/11	11/9/11
ww.	Project 2008-10 - Interpretation of CIP-006-1 R1.1 by Progress Energy	Comment Form	10/12/11	11/21/11
xx.	CAN-0010--Definition of "Annual" and Implementation of Annual Requirements	Sent Comment Form to cancomments@nerc.net	10/10/11	10/31/11
yy.	CAN-0011--PRC-005-1 R2: New Equipment	Sent Comment Form to cancomments@nerc.net	10/10/11	10/31/11
zz.	CAN-0012--Completion of Periodic Activity Requirements During Implementation Plan	Sent Comment Form to cancomments@nerc.net	10/10/11	10/31/11
aaa.	CAN-0013--PRC-023 R1 and R2 Effective Dates for Switch-on-to-Fault Schemes	No Comments	10/10/11	10/31/11

bbb.	CAN-0015--Unavailability of NERC Software Tools	Sent Comment Form to cancomments@nerc.net	10/10/11	10/31/11
ccc.	CAN-0022--VAR-002-1.1b R1 and R3 Generator Operation in Manual Mode	No Comments	10/10/11	10/31/11
ddd.	CAN-0024--CIP-002 R3 Routable Protocols and Data Diode Devices	Sent Comment Form to cancomments@nerc.net	10/10/11	10/31/11
eee.	CAN-0026--TOP-006 R3 Protection Relays	Sent Comment Form to cancomments@nerc.net	10/10/11	10/31/11
fff.	CAN-0028--TOP-006-1 R1.2 Reporting Responsibilities	No Comments	10/10/11	10/31/11
ggg.	Draft Directive Regarding Generator Transmission Leads (comments also submitted by CC)	Comments forwarded to NERC Staff: Jim Hughes, Jack Wiseman, Stacia Ann- Chambers	10/17/11	11/18/11 (originally 11/15/11)
hhh.	CAN-000040 - BAL-003 Frequency Bias Calculation	No Comments	11/2/11	11/23/11
iii.	CAN-0043 - PRC-005 Protection System Maintenance and Testing Evidence	Comment Form (submitted to cancomments@nerc.net)	11/2/11	11/23/11
jjj.	Draft CAN-0027: TOP-003 R2 Coordination of Scheduled Outages	No Comments	11/22/11	12/14/11
kkk1.	Project 2008-06 - Cyber Security - Order 706 - CIP-002-5 through CIP-009-5, CIP-010-1, and CIP-011-1 (Version 5 CIP Standards)	Comment Form	11/7/11	1/6/12
lll.	Project 2007-03 - Real-time Transmission Operations - TOP-001-2, TOP-002-3 and TOP-003-2	Comment Form	12/14/11	1/12/12
mmm.	Proposed Changes to the NERC Rules of Procedure and Associated Appendices	No Comments	11/7/11	12/22/11
nnn.	Notice of Revisions to Proposed New Sections 1.1.24 and 5.11 of Appendix 4C of the NERC Rules of Procedure, as Originally Posted for Comment on November 7, 2011	No Comments	11/22/11	12/22/11

ooo.	Regional Reliability Standard PRC-006-NPCC-1 — Automatic Underfrequency Load Shedding (NPCC Website Link)	No Comments	11/22/11	12/22/11
ppp.	Order 754 - Request for Data or Information	Comment Form	12/22/11	2/6/11
qqq.	Project 2010-17 - Definition of Bulk Electric System (Phase 2)	Comment Form	1/4/12	2/3/12
rrr.	Project 2006-06 - Reliability Coordination - COM-001, COM-002 and IRO-001-3	Comment Form	1/9/12	2/8/12 Date Changed to: 2/9/12
sss.	Regional Reliability Standard BAL-004-WECC-02 - Automatic Time Error Correction	No Comments	1/23/12	3/9/12
ttt.	Regional Reliability Standard BAL-001-0.1a - Real Power Balancing Control Performance - WECC Variance	No Comments	1/23/12	3/9/12
uuu.	Project 2009-26 - Interpretation of CIP-004-1 by WECC	Comment Form	2/8/12	3/23/12
vvv.	Interpretation 2010-INT-05 - Interpretation of CIP-002-1 R3 for Duke Energy	Comment Form	2/8/12	3/23/12
www.	Project 2011-INT-02 - Interpretation of VAR-002 for Constellation	Comment Form	2/8/12	3/23/12
xxx.	NERC Functional Model Demand Response Functions and Entities	No Comments	2/13/12	3/14/12
yyy.	Project 2007-17 Protection System Maintenance and Testing - PRC-005	Comment Form	2/28/12	3/28/12
zzz.	Project 2007-09 Generator Verification - MOD-026-1 and PRC-024-1	Comment Form	2/29/12	3/29/12
aaaa.	Project 2007-09 Generator Verification - MOD-025-2, MOD-027-1, and PRC-019-1	Comment Form	2/29/12	4/16/12
bbbb.	Project 2010-07 - Generator Requirements at the Transmission Interface - FAC-003-X, FAC-003-3	Comment Form	3/9/12	4/9/12
cccc.	Project 2010-07 - Generator Requirements at the Transmission Interface - PRC-005-1.1a	Comment Form	3/2/12	4/16/12

dddd.	Project 2007-03 - Real-time Transmission Operations	Comment Form	3/22/12	4/20/12
eeee.	Project 2008-06 - Cyber Security Order 706 Version 5 CIP	Comment Form A Comment Form B Comment Form C Comment Form D	4/12/12	5/21/12
ffff.	Request for Interpretation - Project 2012-INT-02 TPL-003-0a and TPL-004-0 for SPCS	Comment Form	4/24/12	5/4/12
gggg.	Project 2009-01 - Disturbance and Sabotage Reporting	Comment Form	4/25/12	5/24/12
hhhh.	Adequate Level of Reliability Revised Definition and Associated Documents	Comment Form	4/25/12	6/25/12
iiii.	Project 2007-02 - Operating Personnel Communications Protocols - COM-003	Comment Form	5/7/12	6/20/12
jjj.	Project 2007-06 - System Protection Coordination	Comment Form	5/21/12	7/5/12
kkk1.	Project 2011-INT-02 - Interpretation of VAR -002 for Constellation	Comment Form	5/22/12	6/27/12
lll.	Order 754	Comment Form	5/11/12	6/25/12
mmm.	Project 2007-17 - Protection System Maintenance and Testing - PRC-005	Comment Form	5/29/12	6/27/12
nnn.	Cost Effective Analysis Process (CEAP) for NERC ERO Standards	Comment Form	5/7/12	7/6/12
ooo.	Project 2007-12 Frequency Response Technical Conferences	Comment Form (individual member submissions)	5/30/12	6/15/12
ppp.	Project 2010-14.1 - Phase 1 of Balancing Authority Reliability-based Controls: Reserve	Comment Form	6/4/12	7/3/12
qqq.	Project 2006-06 - Reliability Coordination - COM-001, COM-002 and IRO-001-3	Comment Form	6/7/12	7/6/12
rrr.	Project 2006-02 – Assess Transmission Future Needs and Develop Transmission Plans	Comment Form	6/19/12	7/9/12

Appendix E (Item 11)

NERC Compliance Application Notices (CANs) For Industry Review

	<u>CAN Final Version -- Table 1</u>	<u>Industry Comment Analysis Spreadsheet</u> (ctrl+click)	<u>Comment Analysis Summary</u> (ctrl+click)	<u>Industry Comment Redline</u> (ctrl+click)	<u>Industry Comments Received</u> (ctrl+click)
1.	<u>CAN-0006: EOP-005 R7 Verification of Restoration Procedure (Revised)</u>	<u>AA1</u>	<u>BB1</u>	<u>CC1</u>	
2.	<u>CAN-0009: FAC-008 and FAC-009 Facility Rating and Design Specifications (Revised)</u>	<u>DD1</u>	<u>EE1</u>	<u>FF1</u>	
3.	<u>CAN-0017: CIP-007 R5 Technical and Procedural System Access and Password Controls</u>	<u>GG1</u>	<u>HH1</u>	<u>II1</u>	
4.	<u>CAN-0018: FAC-008 R1.2.1 Terminal Equipment (Revised)</u>	<u>JJ1</u>	<u>KK1</u>	<u>LL1</u>	
5.	<u>CAN-0008: PRC-005 R2 Basis for First Maintenance and Testing Date (Revised)</u>	<u>MM1</u>	<u>NN1</u>	<u>OO1</u>	
6.	<u>CAN-0010: Implementation of Annual in Reliability Standard Requirements (Revised)</u>	<u>PP1</u>	<u>QQ1</u>	<u>RR1</u>	
7.	<u>CAN-0011: PRC-005 R2 Interval Start Date for New Equipment (Revised 11-16-11); (Revised 6-15-12)</u>	<u>SS1</u>	<u>TT1</u>	<u>UU1</u>	

	<u>CAN Final Version -- Table 1</u>	<u>Industry Comment Analysis Spreadsheet</u> (ctrl+click)	<u>Comment Analysis Summary</u> (ctrl+click)	<u>Industry Comment Redline</u> (ctrl+click)	<u>Industry Comments Received</u> (ctrl+click)
8.	<u>CAN-0012: Completion of Periodic Activity Requirements During Implementation Plan (Revised); (Revised 6-15-12)</u>	<u>VV1</u>	<u>WW1</u>	<u>XX1</u>	
9.	<u>CAN-0013: PRC-023 R1 And R2 Effective Dates for Switch-On- To-Fault Schemes (Revised)</u>	<u>YY1</u>	<u>ZZ1</u>	<u>AAA1</u>	
10.	<u>CAN-0028: TOP-006 R1.2 Reporting Responsibilities (Revised)</u>	<u>BBB1</u>	<u>CCC1</u>	<u>DDD1</u>	
11.	<u>CAN-0005: CIP-002 R3 Critical Cyber Asset Designation for System Operator Laptops (Revised)</u>	<u>EEE1</u>	<u>FFF1</u>	<u>GGG1</u>	
12.	<u>CAN-0007: CIP-004 R4.2 Revocation of Access to Critical Cyber Assets (Revised)</u>	<u>HHH1</u>	<u>III1</u>	<u>JJJ1</u>	
13.	<u>CAN-0015: Unavailability of NERC Software Tools (Revised)</u> It was determined that the SDT Project 2009-02: Real-Time Reliability Monitoring and Analysis Capabilities that was mentioned in CAN-0015 does not cover the material in this CAN; thus, that reference was removed.	<u>KKK1</u>	<u>LLL1</u>	<u>MMM1</u>	

	<u>CAN Final Version -- Table 1</u>	<u>Industry Comment Analysis Spreadsheet</u> (ctrl+click)	<u>Comment Analysis Summary</u> (ctrl+click)	<u>Industry Comment Redline</u> (ctrl+click)	<u>Industry Comments Received</u> (ctrl+click)
14.	<u>CAN-0022: VAR-002 R1 and R3: Generator AVR Operation in Alternative Mode (Revised)</u>	<u>NNN1</u>	<u>OOO1</u>	<u>PPP1</u>	
15.	<u>CAN-0026: TOP-006 R3 Protective Relays (Revised)</u>	<u>QQQ1</u>	<u>RRR1</u>	<u>SSS1</u>	
16.	<u>CAN-0029: PRC-004 R1 – R3 Protection System Misoperations</u>	<u>TTT1</u>	<u>UUU1</u>	<u>VVV1</u>	
17.	<u>CAN-0030: Attestations (See Item 4 in Table 2 following)</u>	<u>WWW1</u>	<u>XXX1</u>	<u>YYY1</u>	
18.	<u>CAN-0031: CIP-006 R1 Acceptable Opening Dimensions</u>	<u>ZZZ1</u>	<u>AAAA1</u>	<u>BBBB1</u>	
19.	<u>CAN-0039: EOP-004 R3 Filing DOE Form OE-417 Event Reports</u>	<u>CCCC1</u>	<u>DDDD1</u>	<u>EEEE1</u>	
20.	<u>CAN-0020: TPL-002, TPL-003, TPL-004 and TOP-002 Equipment Outages</u>	<u>FFFF1</u>	<u>GGGG1</u>	<u>HHHH1</u>	
21.	<u>CAN-0024: CIP-002 R3 Routable Protocols and Data Diode Devices</u>	<u>IIII1</u>	<u>JJJJ1</u>	<u>KKKK1</u>	
22.	<u>CAN-0027: TOP-003 R2 Coordination of Scheduled Outages</u>	<u>LLLL1</u>	<u>MMMM1</u>	<u>NNNN1</u>	<u>OOOO1</u>
23.	<u>CAN-0040: BAL-003 Calculating Frequency Bias</u>			<u>PPPP1</u>	
24.	<u>CAN-0043: PRC-005 Protection System Maintenance and Testing Evidence</u>			<u>QQQQ1</u>	

	<u>Draft CANs--Table 2</u>	<u>Industry Comment Analysis Spreadsheet</u> (ctrl+click)	<u>Comment Analysis Summary</u> (ctrl+click)	<u>Industry Comments Received</u> (ctrl+click)	<u>Industry Comment Redline</u> (ctrl+click)
1.	DRAFT CAN-0029: PRC-004 R1, R2 and R3 Protection System Misoperations	AA2	BB2		
2.	DRAFT CAN-0039: EOP-004-1 Filing DOE Form OE-417 Event Reports	CC2	DD2		
3.	DRAFT CAN-0031: CIP-006 R1 Acceptable Opening Dimensions	EE2	FF2		
4.	DRAFT CAN-0030: Attestations	GG2	HH2	II2	
5.	DRAFT CAN-0024: CIP- 002 R3 Routable Protocols and Data Diode Devices	JJ2	KK2	LL2	LL22
6.	DRAFT CAN-0040: BAL-003 R2 and R5 Frequency Bias Calculation	MM2	NN2	OO2	
7.	DRAFT CAN-0043: PRC-005 Protection System Maintenance and Testing Evidence	PP2	QQ2	RR2	
8.	DRAFT CAN-0034: EOP-002 R1, IRO-001 R2 and TOP-001 R1 Use of Authority Letters	SS2	TT2	UU2	
9.	DRAFT CAN-0038: PER-002 R4 Training Hours Removed from the development process 5/18/12.	VV2	WW2	XX2	
10.	DRAFT CAN-0019 CIP- 007 R3.2 Implementation of Software Security Patches or Upgrades	YY2	ZZ2	AAA2	
11.	DRAFT CAN-0023 CIP- 005 R3 CIP-006 R6 Logging System Failures	BBB2	CCC2	DDD2	

