



RCC Meeting
June 5, 2013
Agenda Item 6.11

Reliability Assessment Program
(NRAP)
HIGHLIGHT REPORT
Prepared for the
Reliability Coordinating Committee
June 5, 2013

Distributed to:

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Members, Compliance Committee
Members, Regional Standards Committee
Members, Task Force on System Studies
Members, Task Force on System Protection
Members, Task Force on Coordination of Planning
Members, Task Force on Coordination of Operation
Members, Task Force on Infrastructure Security and Technology
Chairmen, Working Groups
and
NPCC Staff



NPCC, Inc.

Reliability Assessment Program

HIGHLIGHT REPORT

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RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Standards Program Regional Standards Committee

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
RSC	Regional Standards Committee	<p>The NPCC Regional Standards Committee (RSC), a committee of the NPCC Board, is primarily charged with management and maintenance of the NPCC Regional Standards Development Procedure and Regional Standards, under a sector based voting structure as described in the NPCC, Inc. Bylaws. The NPCC RSC will consider requests for new or revised standards and be available for advisement to the NPCC Board on the standards. The NPCC RSC will work in coordination with the Regional Standards Process Manager (RSPM) who will be the administrator for the NPCC Regional Reliability Standards Development Procedure (to be renamed Regional Standards Process Manual in the next revision). In addition, the NPCC RSC will review, comment on and develop ballot recommendations for the NERC Reliability Standards under development. The RSC will also review and comment on NERC RSAWs. The NPCC RSC also provides oversight for the NPCC Reliability Directories which contain the NPCC more stringent regional Criteria and supporting information. The RSC also conducts and coordinates the Cost Effectiveness Analysis Procedure or CEAP for evaluation of the cost effectiveness of NPCC's Regional Standards. RSC is also providing input through its member to the developing NERC CEAP and implementation of that process. Also the RSC continues to support NPCC staff in the Paragraph 81 effort. The RSC also participated in the development of the new NERC standards development process and Standards Process Input Group (SPIG) recommendations, and commented on revisions. The RSC is providing input to the NERC "Single Portal Project" NERC is currently conducting to retire standard requirements that are duplicative or of little or no benefit to reliability.</p>

Status/ Comments:

The RSC is focusing on the review of each of the NERC Reliability Standards (as they are developed or revised). The RSC is currently reviewing all the FERC Orders and NOPRs that pertain to Reliability Standards. The RSC develops recommendations for the membership on ballots when posted. The RSC also participates in the NERC Functional Model Working Group, NERC Standards Committee, and the NERC Standards Committee Process Subcommittee. The RSC has also revised the NPCC Regional Reliability Standards Development Procedure (to be renamed Regional Standards Process Manual), which will be posted and submitted to the NPCC Board for approval. The RSC is continually participating in the NERC Reliability Standards Manual revisions and the Results Based Standards Initiative through the Standards Committee Process Subcommittee, and also soliciting members for the NERC drafting teams as necessary to ensure NPCC is adequately represented. The RSC is actively supporting the Order 706 Cyber Security Standards development and revision process. The RSC is overseeing and managing the development of a Regional Reserve Sharing Group Standard. The Disturbance Monitoring Standard has been approved by the NPCC General Membership, the NPCC Board of Directors, NERC Board of Trustees, and FERC. Provincial Government approval is pending. The Underfrequency Load Shedding Standard has been approved by the NPCC General membership, the NPCC Board of Directors, the NERC Board of Trustees, and FERC. It is pending Provincial Government approval. The RSC has initiated Phase II of the NPCC Directory project to convert the criteria in the Directories to specific "requirements" on which compliance may be assessed.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Standards Program

Regional Standards Committee

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
RSC	Regional Standards Committee	<p>The RSC continues to develop enhancements to the NPCC Website to provide further uniformity and consistency with that of other Regions and participates in various drafting efforts of those Regions.</p> <p>The RSC has also developed a Cost Effectiveness Analysis Procedure to evaluate if developing standards provide a cost effective solution to achieving a standard's reliability objective and considers the economics of the implementation. The RSC has also developed the Work Plan for 2013-2014 and a revised Scope of Work, both of which have been approved by the NPCC BOD.</p>



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Standards Program

Directories and Appendices

<u>Item</u>	<u>Name</u>	<u>Appendices</u>	<u>Lead TF</u>	<u>Current Version</u>
DIR-1	Basic Criteria for the Design And Operation of the Bulk Power System	Appendix A – Definition of Terms Appendix B – Guidelines and Procedures for NPCC Area Transmission Review Appendix C – Procedure for Testing and Analysis of Extreme Contingencies Appendix D – Guidelines for Area Review of Resource Adequacy Appendix E – Guidelines for Requesting Exclusions to Sections 5.4.1 (B) and 5.5.1 (B) of NPCC Directory No. 1 - Design and Operation of the Bulk Power System Appendix F – Procedure for Operational Planning Coordination Appendix G – Procedure for Inter Reliability Coordinator Area Voltage Control	TFCP TFCP TFCP TFCP TFCP TFCO* TFCO*	December 1, 2009

Status/ Comments:

The TFCP is presently drafting a new version of Directory No. 1 that will reformat existing NPCC criteria into NERC style requirements. The reformatted version of Directory No.1 will highlight the more stringent and specific criteria while also facilitating CCEP compliance (Phase 2 of the Directory project).

The TFCP and the TFCO have directed their respective Working Groups CP11 and C07 to work collaboratively to review the Phase 2 draft. The Ad Hoc group is reviewing all comments submitted to date and will identify and provide recommendations aimed at achieving consensus on how the criteria is interpreted.

The CP11 and CO7 Working Groups have been meeting through a series of weekly webinars and are progressing through the draft Phase 2 document. The CP11 and CO7 Working Groups are expected to complete their effort and return the draft to the Task Forces in time for the August TFCP and TFCO meetings.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Standards Program

Directories and Appendices

<u>Item</u>	<u>Name</u>	<u>Appendices</u>	<u>Lead TF</u>	<u>Current Version</u>
DIR-2	Emergency Operation	Appendix A – Definition of Terms Appendix B - Guideline and Procedure for Emergency Operation	TFCO TFCO TFCO	October 21, 2008
	Status/ Comments:	<p>Directory No. 2 was approved by the Full Members on October 21, 2008 and NPCC Document A-3 was retired on the same date. The Automatic UFLS language formerly contained within Directory No. 2 was transferred into Directory No. 12 (UFLS Program Requirements) effective with the Full Member approval of Directory No.12 on June 26, 2009.</p> <p>Phase 2 reformatting of Directory No. 2 is pending TFCO Workplan coordination with other TFCO Directories.</p>		

<u>Item</u>	<u>Name</u>	<u>Appendices</u>	<u>Lead TF</u>	<u>Current Version</u>
DIR-3	Maintenance Criteria for Bulk Power System Protection	Appendix A – Definition of Terms Appendix B – Guidelines and Procedures for Maintenance of Bulk Power System Protection	TFSP TFSP TFSP	July 14, 2009
	Status/ Comments:	<p>In 2009 TFSP conducted a review of Directory No. 3 to clarify specific intent on a number of requirements. Additional language was also incorporated into Appendix B of the document to provide guidance that credit can be obtained for normal breaker operations if the equipment design permits verification and documentation of breaker tripping by each individual trip coil. The above changes to Directory No. 3 were approved by the Full Members on July 14, 2009.</p> <p>The TFSP has completed three Interpretation Requests surrounding the criteria language within Directory No. 3. The TFSP is currently reviewing Directory No. 3 criteria to insure that it is more stringent and/or more specific than the requirements of the recently revised NERC Standard PRC -005-2.</p> <p>Phase 2 reformatting of Directory No. 3 is pending TFSP resources (Directory No. 4 and Directory No. 7).</p>		



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Standards Program

Directories and Appendices

<u>Item</u>	<u>Name</u>	<u>Appendices</u>	<u>Lead TF</u>	<u>Current Version</u>
DIR-4	BPS Protection Criteria	Appendix A – Guideline and Procedure for Bulk Power System Protection	TFSP TFSP	December 1, 2009
	Status/ Comments:	<p>Directory No. 4 received Full Member approval on December 1, 2009. The approval of Directory No. 4 resulted in the retirement of NPCC documents A5, B5, B7, B24, and C22.</p> <p>As part of the Phase 2 reformatting of Directory No. 4, the TFSP has addressed a process related issue pertaining to compliance with the criteria and the structure of the reformatted requirements within the document. Accordingly, the NPCC Compliance Committee (CC) has reviewed and approved compliance requirements to be included in the initial Phase 2 posting of the document. The TFSP expectation is that these compliance requirements will clarify compliance expectations and maintain the existing structure of protection criteria and objectives while encouraging innovation and creativity in protection designs.</p> <p>This process issue also exists within Directory No. 7 and has been similarly addressed by the TFSP in that document.</p>		



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Standards Program

Directories and Appendices

<u>Item</u>	<u>Name</u>	<u>Appendices</u>	<u>Lead TF</u>	<u>Current Version</u>
DIR-5	Reserve	Appendix 1 – Monitoring Procedure for Interconnected System Frequency Response Appendix 2 – Monitoring Procedures for Reserve Criteria Appendix 3 – Procedures during Abnormal Operating Conditions Appendix 4 – Guidelines for SAR Allocation Following Radial Source Contingencies Appendix 5 – NPCC Control Performance Reporting Process Appendix 6 – Light Load Conditions Appendix 7 – Participation Request Form - Simultaneous Activation of Reserve and Ace Diversity Interchange	TFCO TFCO TFCO TFCO TFCO TFCO TFCO	October 11, 2012

Status/ Comments: The TFCO has addressed a number of key reserve issues that were unresolved when Directory No. 5 was approved in late 2010, including DCS compliance and wheeling radial source contingencies outside the region.

On October 11, 2012 the NPCC Full Member Committee voted to approve revisions to the criteria within Directory No. 5 Reserve which addressed these issues.

<u>Item</u>	<u>Name</u>	<u>Appendices</u>	<u>Lead TF</u>	<u>Current Version</u>
DIR-6	Regional Reserve Sharing		TFCO	April 6, 2012

Status/Comments: Directory No. 6 was developed in Phase 2 format and approved by the NPCC Full Member committee on April 6, 2012.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Standards Program

Directories and Appendices

<u>Item</u>	<u>Name</u>	<u>Appendices</u>	<u>Lead TF</u>	<u>Current Version</u>
DIR-7	Special Protection System	Attachment 1 – Definition of Terms Appendix A – Guidance for Consideration in SPS Design Criteria Appendix B – Procedure for Review of Special Protection Systems	TFSP TFSP TFSP TFCP	December 27, 2007
	Status/ Comments:	Directory No. 7 was approved by the NPCC Full Members on December 27, 2007. The Task Force on System Protection has initiated a review of Directory No.7, including Appendix B which details the process for SPS approval, modification, or retirement. The TFCP, TFSS, and the TFCO are coordinating their comments on Appendix B and the overall Directory with TFSP which is the lead Task Force for Directory No. 7. TFSP will merge these revisions into an initial Phase 2 draft of the document and will include compliance requirements similar to those described above for Directory No. 4. Directory No. 7 was posted to the Open Process by the TFSP through November 12, 2012. The TFSP has reviewed and responded to comments and will present the revised document to the RCC for approval at its June 2013 meeting.		

<u>Item</u>	<u>Name</u>	<u>Appendices</u>	<u>Lead TF</u>	<u>Current Version</u>
DIR-8	Black Start System Restoration	Appendix A – Definition of Terms	TFCO TFCO/TFSS ¹	October 22, 2010
	Status/ Comments:	The Working Group CO-11 has completed a Phase II redraft of NPCC Regional Reliability Reference Directory No. 8, “System Restoration,” for submission to the TFCO at its meeting of March 20 and 21, 2013. The NPCC Restoration Working Group (CO-11) will address further TFCO comments at its meeting of June 6 and 7, 2013.		

¹ Indicates that the Task Force responsible for review of the Appendix is not the same as the lead Task Force for the respective Directory.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Standards Program

Directories and Appendices

<u>Item</u>	<u>Name</u>	<u>Appendices</u>	<u>Lead TF</u>	<u>Current Version</u>
DIR-9	NPCC Verification of Generator Gross and Net Real Power Capability	Appendix A – Definition of Terms Appendix B – Basic Flow Chart for Verification of Generator Gross and Net Real Power Capability	TFCO TFCO/TFCP ¹ TFCO/TFCP ¹	December 29, 2011
	Status/ Comments:	Directory No. 9 was approved by the NPCC Full Membership on December 22, 2008. The Full Member Committee approved the Phase 2 reformatting of Directory No. 9 in December 2011.		
<u>Item</u>	<u>Name</u>	<u>Appendices</u>	<u>Lead TF</u>	<u>Current Version</u>
DIR-10	NPCC Verification of Generator Gross and Net Reactive Power Capability	Appendix A – Definition of Terms Appendix B1 – Basic Flow Chart for Verification of Generator Gross and Net Reactive Power Capability Appendix B2 – Generator Reactive Capability Form	TFCO TFCO/TFCP ¹ TFCO/TFCP ¹ TFCO/TFCP ¹	December 29, 2011
	Status/ Comments:	Directory No. 10 was approved by the NPCC Full Membership on December 22, 2008. The Full Member Committee approved the Phase 2 reformatting of Directory No. 10 in December 2011.		



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Standards Program

Directories and Appendices

<u>Item</u>	<u>Name</u>	<u>Appendices</u>	<u>Lead TF</u>	<u>Current Version</u>
DIR-12	UFLS Load Shedding Program Requirements	Appendix A – Definition of Terms	TFSS TFSS	March 3, 2010
	Status/ Comments:	<p>Directory No. 12 was developed from the Automatic Under frequency Load Shedding requirements contained within existing NPCC Directory No. 2 <i>Emergency Operations</i> and also from the recommendations and implementation plans provided in the 2006 Assessment of Under frequency Load Shedding Adequacy; and the 2008 Assessment of Under frequency Load Shedding Adequacy – Québec Area, both of which were approved by the Reliability Coordinating Committee on November 19, 2008. Directory No. 12 and a six year program implementation plan were approved by ballot of the NPCC Full Members on June 26, 2009. Directory No. 12 and its implementation plan were further revised to consider UFLS requirements for certain small entities and these revisions were approved by the NPCC Full Members on March 3, 2010.</p> <p>The Task Force on System Studies (TFSS) posted NPCC Directory No. 12 Automatic UFLS Program Requirement to the Open Process for 45 days concluding on October 26th, 2012. The TFSS has proposed changes to Directory No. 12 that will synchronize the UFLS program tolerance bands between Directory No. 12 and the UFLS Regional Standard PRC -006-NPCC-1 and allow regional entities to implement a program that is consistent with the SS-38 design recommendations as part of the ongoing six year UFLS Implementation Plan.</p> <p>TFSS has reviewed comments received in the Open Process posting and has recommended further changes to the criteria surrounding Section 5.5.2 of the Directory. These latest revisions would modify the time period between UFLS assessments in order to align these studies with the timeline prescribed within NERC standard PRC-006-1.</p> <p>Directory No. 12 was posted to the Open Process for a second time on January 28th, 2013 for 45 days through March 14, 2013.</p> <p>The TFSS has reviewed and responded to comments and will present the revised document to the RCC for approval at its June 2013 meeting.</p>		



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Standards Program

Directory Development and Revision Manual

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Current Version</u>
Directory	Directory Development and Revision Procedure	The NPCC Directory Development and Revision Manual is intended to provide guidance regarding the process of establishing a new or revised Directory and will clarify the roles and responsibilities of the NPCC Task Forces responsible for Directory content.	Latest Version: October 26, 2011
Status/ Comments:		<p>The Regional Standards Committee (RSC) approved the Directory Manual on October 26, 2011, which is posted in the Directory section of the NPCC website.</p> <p>The RSC has proposed revisions to the section of the Manual surrounding the review and approval of a <i>Request for a Criteria Interpretation</i>, and has posted the Directory Manual to the Open Process for 45 days through May 27, 2013.</p>	

NPCC Glossary of Terms

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Current Version</u>
Glossary	NPCC Glossary of Terms	The NPCC Glossary of Terms has replaced the A7 document and was approved by the RSC on October 26, 2011. The Glossary contains the definitions of all terms found within NPCC Directories, Guidelines and Procedures. The Glossary is organized in sections containing those terms found in Directories (including Appendices) which support the NPCC criteria and another Section for definitions found within remaining NPCC B and C documents. The Glossary is located in the Directory section of the NPCC website.	Latest Version: October 26, 2011 Frequency of Reviews: N/A Next Review Date: N/A



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Standards Program

Regional Standards

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Current Version</u>	
PRC-002-NPCC-01	Disturbance Monitoring	This Standard establishes the technical and reporting requirements for disturbance monitoring equipment. This will lead to improved system reliability by providing the resources to do post event analyses.	Latest Version:	New
			Frequency of Reviews:	3 years
			Next Review Date:	October, 2014
	Status/ Comments:	<p>The DME Regional Standard and its Implementation Plan were posted for ballot December 17, 2009, and approved by the NPCC Full Members on January 16, 2010. The NPCC Board approved the Standard on February 9, 2010. The Standard was submitted to NERC for review. NERC accepted the technical content of the requirements and the Implementation Plan; however issues were identified with the construction of the VSLs. The VSLs were reworked, and only the VSL portion of the Standard was re-posted for a 30 day industry review and comment period. This was followed by submission to NPCC Members for approval. The VSLs were approved by ballot Oct. 31, 2010. The Standard and its Implementation Plan were submitted to the NERC BOT at its November 4, 2010 meeting and approved. Materials were reviewed by NERC and filed with FERC on May 31, 2011. A Filing was made with the appropriate Canadian authorities for their approvals on June 8, 2011. FERC approved PRC-002-NPCC-01 on October 20, 2011. TFSP responded to a Request for Interpretation regarding generators in Requirements R4, R5, and R6 which was approved by the NPCC BOD. Two additional Requests for Interpretation are pending resolution. The Drafting Team for PRC-002-NPCC-01 has been reconvened in response to an approved RSAR to address the new BES definition, and clarifications needed from the Requests for Interpretation.</p>		

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Current Version</u>	
PRC-006-NPCC-01	Under Frequency Load shedding	This Standard will provide the requirements for implementing an automatic under frequency load shedding program in order to effectively respond to system under frequency events.	Latest Version:	New
			Frequency of Reviews:	3 years
			Next Review Date:	N/A
	Status/ Comments:	<p>On September 20, 2012 FERC issued a NOPR proposing to approve the regional Reliability Standard under Section 215 of the Federal Power Act and seeking comment on certain requirements within the proposed regional standard. Comments were due with the Commission by November 26, 2012. NPCC and four other entities (including NERC) filed comments on the NOPR. NPCC filed reply comments on December 11, 2012. The Commission approved PRC-006-NPCC-1 and its Implementation Plan on at the February 21, 2013 meeting.</p>		



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Standards Program

Regional Standards

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Current Version</u>
BAL-002-NPCC-01	Regional Reserve Sharing Groups	This Standard will provide the measures for implementing Reserve Sharing Groups within NPCC in order to meet their reserve obligations.	<p>Latest Version: New</p> <p>Frequency of Reviews: 3 years</p> <p>Next Review Date:</p>

Status/ Comments:

The RSAR has been developed and approved by the RSC. The RCC has assigned the TFCO to act as the drafting team and a request for drafting team members was sent to the NPCC membership. At its meeting of April 14 and 15, 2011, the TFCO established a sub-group of TFCO members and NPCC staff that will work on the Reserve Sharing Groups Standard’s development. The development of Regional Standards has been held in abeyance pending further direction from NERC.

Regional Standards Development Procedure

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Current Version</u>
RRSDP	Regional Reliability Standards Development Procedure	The NPCC Regional Reliability Standards Development Procedure describes the procedures, policies, and practices implemented to ensure an “open, fair, and inclusive” process for the transparent initiation, development, implementation and revision of the NPCC Regional Standards necessary for the reliable operation of the Interconnected bulk power system in Northeastern North America.	<p>Latest Version: Sept. 19, 2007</p> <p>Frequency of Reviews: 3 years</p> <p>Next Review Date: Nov. 8, 2011</p>

Status/ Comments:

The Regional Reliability Standards Development Procedure is posted on the NPCC Website. The RSC is actively reviewing the activities at the NERC level to ensure the regional procedure is consistent with the NERC Standard Processes Manual and achieves a consistency with the NERC common attributes adhered to by the other Regions. The RRSDP was posted for a 45 day comment period Dec. 7, 2011. Comments received have been reviewed and necessary revisions incorporated. The title of the document is going to be revised to “*Regional Standards Process Manual*.”



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Compliance Enforcement and Organization Registration and Certification Program

Compliance Committee

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
CC	NPCC Compliance Committee	The NPCC Compliance Committee (CC) is charged with providing independent policy input for the NPCC Compliance Monitoring and Enforcement Program (CMEP). The NPCC CMEP covers compliance assessment and enforcement of NERC Reliability Standards, Regional Reliability Standards and NPCC Reliability Criteria (NPCC Directories). With regard to NERC Reliability Standards and Regional Reliability Standards, the CC provides an oversight role to the NPCC Compliance Staff's implementation of the CMEP. In this oversight role the CC will endorse the compliance procedures (CP) used by the NPCC Compliance Staff in the conduct of the CMEP. The CC is responsible for final approval of compliance assessments related to NPCC Reliability Criteria, which includes non-monetary sanction recommendations.

Status/ Comments: The CC reviewed the Compliance Guidance Statement related to PRC-002-NPCC-01 (CGS-005) on its May 15, 2013 Conference Call. The discussion of CGS-005 is scheduled to take place at the June 5, 2013 RCC meeting after which the CGS will be issued and posted to the NPCC compliance website.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Compliance Enforcement and Organization Registration and Certification Program

NPCC Compliance Committee

Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
CCEP	Criteria Compliance and Enforcement Program	The process and requirements are defined, in these documents, for compliance monitoring, assessment and enforcement of NPCC reliability criteria.
	Status/ Comments:	<p>In October 2012, the CCEP Working Group developed Implementation Plan documents for the 2012 and 2013 Criteria Compliance and Enforcement Program (CCEP) in accordance with the CCEP Process document, CCEP-1. The Implementation Plan documents were endorsed by the NPCC Compliance Committee in October 2012 and approved at the November 2012 RCC Meeting.</p> <p>The 2012 CCEP Certification forms have been received. The CC members began review of the forms after the March 2013 meeting. The individual 2012 CCEP Certification forms were discussed and approved at the April 2013 CC meeting. A draft final report was discussed at the May 2013 CC meeting. The CC intends to share the final report at the June 2013 RCC meeting.</p>



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Training, Education, and Operator Certification Program

TASK FORCE ON COORDINATION OF OPERATION

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
CO-2	System Operator Training	This Working Group establishes a program for system operator training relating to NPCC Inc. inter-Area matters, Working Group criteria, terminology, policies and operating instructions. It prepares and presents material at system operator training sessions, exchanges information on internal system operator training methods. The CO-2 Working Group also evaluates and proposes new techniques and training aids as they become available.
	Status/ Comments:	The CO-2 Working Group conducted the Spring 2013 System Operator Seminar on May 7-9, 2013. Two Table Top exercises were provided as part of the training. Topics included: 1) the revised Directory No. 5 “Reserve” and the use of Simultaneous Activation of Reserve (SAR), with special focus on addressing radial source contingencies and 2) development of operating strategies for 6 different operations topics. Participants at the Spring 2013 Seminar will receive Continuing Education Hours for both exercises.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

TASK FORCE ON COORDINATION OF OPERATION

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
CO-1	Control Performance	The Working Group insures coordination between adjacent control areas in establishing interchange schedules, Working Group reviews time error correction procedures, and monitors the conformance of the Areas with NPCC Control Performance Criteria and Operating Reserve Criteria. At the request of the Task Force on Coordination of Operation (TFCO), it conducts investigations of control performance problems.

Status/ Comments:

The CO-1 Working Group met on May 23-24, 2013. Topics that are actively being addressed by CO-1 include: 1) training covering Simultaneous Activation of Reserve (SAR) and SAR procedure changes indicated in the revised Director 5—supported SAR training at the NPCC System Operator Seminar, 2) SAR implementation for the loss of radial sources contingencies—training provided at Spring 2013 NPCC System Operator Seminar, 3) analysis of past SAR events—recent events reviewed, 4) providing support and research regarding frequency response issues including NPCC governor response and frequency bias setting issues and the new BAL-003-1 standard content, 5) ACE Diversity Interchange—target is to develop a “C”, Procedure to include ADI content that is not included in the existing Directory 5, 6) Proposed Balancing Standards BAL-001-2, BAL-002-2, BAL-012-1 and BAL-013-1, 7) re-engineering the NPCC inadvertent calculation methodology and 8) meeting the reporting requirements on SAR-ATR reports, CPS and inadvertent energy.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program TASK FORCE ON COORDINATION OF OPERATION

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
CO-7	Operational Planning Working Group	The Working Group CO-07 was restructured to serve the Task Force on Coordination of Operation as an Ad Hoc Working Group, populated and charged to address specific issues as required to assist the TFCO. It has been renamed the “Operational Planning Working Group.”
	Status/ Comments:	<p>The CO-07 Working Group has worked with the TFIST in the identification of third party owners of assets subject to the next implementation of the NERC Cyber Standards. Its report was accepted by the TFCO at its meeting of May 15 and 16, 2013, for submission to the asset owners.</p> <p>The collaborative effort between the TFCO Working Group CO-07 and the TFCP Working Group CP-11 is actively pursuing the resolution of the outstanding operational issues in the development of the Phase II redraft of Directory 1.</p>

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
CO-8	System Operations Managers Working Group	Provide a forum for the Managers of the NPCC control centers to identify and discuss security concerns in the operation of the interconnected bulk power supply system, and specific concerns related to the integration of operation between and among the evolving ISOs. The System Operations Managers Working Group will also assist the Task Force on Coordination of Operation in their work on issues related to system security and the operation of the ISOs, and provide advice to the TFCO, as requested.
	Status/ Comments:	<p>The CO-8 Working Group met on May 1 and 2, 2013. Topics addressed during that meeting included an update and redraft of the NPCC Regional Reliability Plan, the review and reissue of NPCC Document C-01, “NPCC Emergency Preparedness Conference Call Procedures” and the review and redraft of the “Scope” and “Terms of Reference” of the System Operations Managers Working Group (CO-08). . The CO-08 also reviewed the performance of the Reliability Coordinators in the implementation of the NPCC program for Simultaneous Activation of Reserve.</p> <p>On the second day of the meeting of May 1 and 2, 2013, the representatives of the Working Group CO-08 met with their counterparts from the MISO and PJM to discuss operational issues of common interest and review the operational readiness of each Reliability Coordinator for the coming summer season. The System Operations Managers Working Group holds these collaborative meetings semiannually with the MISO and PJM, in advance of the summer and winter load periods.</p>



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program TASK FORCE ON COORDINATION OF OPERATION

Item	Name	Assignment
CO-11	Restoration Working Group	The CO-11 Working Group facilitates effective and coordinated power system restoration among the NPCC Reliability Coordinator areas and with adjacent Regions. Annually review the restoration plans of the NPCC Reliability Coordinator areas to identify in each individual plan the physical points of coordination, the general elements of the restoration plan, the Key Facilities associated with the restoration plan, the communication protocols employed and the roles and responsibilities of the restoration participants. Identify opportunities for mutual assistance during restoration and the extent to which each system can rely on its neighbors for assistance. Coordinate Reliability Coordinator restoration exercises and develop and supervise annual wide area restoration simulations. The Restoration Working Group (CO-11) monitors the NERC Reliability Standards EOP-005, “System Restoration from Blackstart Resources,” and EOP-006, “System Restoration Coordination,” and coordinates input to the NPCC Task Force on Coordination of Operation and the NPCC Regional Standards Committee as revisions to these Standards are proposed and implemented.

Status/ Comments:

The NPCC Restoration Working Group (CO-11) met on March 13 and 14, 2013. Topics addressed during that meeting included the planning for the wide area interregional restoration exercise to be conducted on October 23, 2013, the finalization of a redraft of NPCC Regional Reliability Reference Directory 8, “System Restoration,” in the Phase 2 Directory format and the continuing work on expanding the former Appendix to NPCC Regional Reliability Reference Directory 8, “System Restoration,” to an NPCC procedural document addressing detailed Balancing Authority to Balancing Authority restoration within NPCC and between NPCC and its neighboring entities. The CO-11 also reviewed the restoration plan of the ISO New England, Inc.

Item	Name	Assignment
CO-12	Seasonal Assessment Working Group	Review the overall reliability of the generation and transmission system in the NPCC Region for the Summer and Winter Seasonal conditions. Working Group CO-12 has been renamed the “Seasonal Assessment Working Group” to avoid confusion with the restructured Working Group CO-07.

Status/ Comments:

The CO-12 Working Group completed work on the 2013 Summer NPCC Reliability Assessment. It was issued and posted on May 14, 2013. At the Task Force on Coordination of Operation’s request CO-12 will include a brief assessment of Spring or Fall conditions to address the operating differences versus summer or winter.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

TASK FORCE ON COORDINATION OF PLANNING

Item	Name	Assignment
CP- 8	Working Group on Review of Resource and Transmission Adequacy	Review the overall reliability of the NPCC Areas and perform pre-seasonal resource adequacy assessments.
	Status/ Comments:	The CP-8 Working Group is developing the assumptions to be used for the 2013 NPCC Long Range Adequacy Overview, consistent with the data and narratives for the NERC 2013 Long Term Reliability Assessment.
Item	Name	Assignment
CP- 2013S	Summer 2013 Multi-Area Probabilistic Reliability Assessment	Assess NPCC Area reliability for the year 2013 by estimating the projected use of Area Operating Procedures designed to mitigate resource shortages for the summer (May through September) period.
	Status/ Comments:	The NPCC 2013 Summer Probabilistic Reliability Assessment was issued on May 14 th as Appendix VIII of the 2013 Summer NPCC Reliability Assessment.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

TASK FORCE ON COORDINATION OF PLANNING

Item	Name	Assignment
CP- 2013W	Winter 2013-2014 Multi-Area Probabilistic Reliability Assessment	Assess NPCC Inc. Area reliability by estimating projected use of Area Operating Procedures designed to mitigate resource shortages for the winter (November 2012 through March 2013) period.
	Status/ Comments:	The NPCC 2013-14 Winter Multi-Area Probabilistic Reliability Assessment was approved by the TFCP for presentation at the June 5, 2013 RCC meeting, for later release in CO-12 Working Group’s 2013-2014 Winter Reliability Assessment

Item	Name	Assignment
LRAO	NPCC Long Range Adequacy Overview	On a consistent basis, evaluate the near-term seasonal and long-range (five year) adequacy of NPCC Areas’, reflecting neighboring regional plans proposed to meet their respective resource adequacy criteria through multi-area probabilistic assessments.
	Status/ Comments:	Work on The “2013 NPCC Long Range Adequacy Overview” is currently underway.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

TASK FORCE ON COORDINATION OF PLANNING

Item	Name	Assignment
CP-11	<i>NPCC Basic Criteria For Design and Operation of the Bulk Power System Review Working Group</i>	This Working Group is charged with the revision of the NPCC Inc. Basic Design Criteria Directory No. 1 and the NPCC Glossary of Terms Document A-07. In addition, the Task Force on Coordination of Planning (TFCP) charged the CP-11 Working Group with the development of the A-10 Classification of BPS Elements document.
	Status/ Comments:	In September 2011 CP-11 Working Group delivered to TFCP the draft D1 revisions intended for Open Process Review pending input from TFCO. Earlier this year, the Chairs of TFCP and TFCO have agreed to form a joint group consisting of members from CP-11 and CO-7 to revisit this effort. A final draft is expected in May 2013.
Item	Name	Assignment
SP-7	Working Group on Review of Protection System Mis-operations	Review and analyze mis-operations of transmission and generation protection systems and special protection systems on the bulk electric system and report on the statistics of mis-operations as they occur in the NPCC region including lessons learned and implementation of corrective action plans by registered entities.
	Status/ Comments:	The SP-7 Working Group has completed review of Fourth Quarter 2012 misoperation reports and outstanding reports from prior Quarters. The Fourth Quarter Report and updates to prior Quarter Reports were submitted to NERC on April 15, 2013, and a status report will be given at an upcoming RCC meeting. The SP-7 Working Group is currently reviewing First Quarter 2013 reports and outstanding reports from prior Quarters. SP-7 will also review the misoperations metric and will incorporate the Protection System Operations data available beginning in the First Quarter 2013 in the calculation of this metric.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

TASK FORCE ON SYSTEM STUDIES

Item	Name	Assignment
SS-37	Base Case Development Working Group	On an annual basis, develop a library of solved load flow cases and associated dynamic data.
	Status/ Comment:	<p>The Working Group updated the Working Group Scope Document; it is currently under review for approval by TFSS.</p> <p>The Working Group has updated the SS-37 Procedure Manual to reflect recent revisions made to the MMWG Procedure Manual. The updated Procedure Manual is currently under review for approval by TFSS.</p> <p>The SS-37 Working Group will commence development of the 2013 Library of Load Flow cases per the SS-37 Work Plan Schedule.</p> <p>The 2012 Dynamics cases were approved and finalized by the MMWG. The Working Group has updated its Dynamics Development Procedure to reflect lessons learned from the development of the 2012 dynamics cases.</p>

Item	Name	Assignment
SS-38	Inter-Area Dynamic Analysis Working Group	Assigned to analyze dynamic phenomena, which may affect interconnected system reliability, especially in the area of low frequency oscillations.
	Status/ Comments:	The SS-38 Working Group has initiated work on the 2013 UFLS Adequacy Assessment and will provide a status report at the upcoming RCC meeting. SS-38 has also developed and reviewed with TFSS a plan to address the recommendations in the RCC approved Load Modeling White Paper. The scope of the Load Modeling Working Group will be submitted for review for approval at the June 5, 2013 RCC Meeting.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

Eastern Interconnection Reliability Assessment Group

Study Committees

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
ERAG	Eastern Interconnection Reliability Assessment Group	<p>The Eastern Interconnection Reliability Assessment Group (ERAG) Management Committee (MC) oversees the Multi-Regional Modeling Group steady state and dynamics base case development, all Eastern Interconnection interregional assessment activities and other interregional matters of interest. Eastern Interconnection assessment forums include: RFC-NPCC, RFC-SERC East and RFC-MRO-SPP-SERC West.</p>
	Status/ Comments:	<p>The ERAG Management Committee (MC) met on April 4-5, 2012 in Fort Worth, Texas and on May 21-22, 2013 at the NPCC offices. The April 4 session was held jointly with representatives from other industry groups, including NERC staff, North American Transmission Forum (NATF), Eastern Interconnection Planning Collaborative (EIPC), NERC System Analysis and (SAMS) WECC and ERCOT to discuss possible system study analysis and modeling improvements. Ideas on possible areas for improvement were identified, including frequency response improvement through use of different governor-turbine models, validation of models and cases, base case development process improvements, training, etc. The ERAG MC has considered follow up work to address these.</p> <p>Regarding Frequency response the MMWG replaced the governor models in the 2013 Spring Light Load Base Case with the designated generic governor-turbine models, which include the effects of the plant turbine-control systems. The light load case will be used by NERC to calculate the Interconnected Frequency Response Obligations of all Balancing Authorities. The use of the generic models is being done as an interim step to achieve frequency modeling in dynamics base cases that more closely reflects actual system frequency response. The Regions are continuing the review of the NERC governor survey information to use the information to establish validated governor-turbine models. In NPCC the SS-37 Working Group is doing this work with the SS-38 to use the resulting base cases for the Underfrequency Load Shedding Study.</p> <p>The ERAG MMWG met on April 17-19, 2013 to address various dynamics and steady state base case development and modeling issues. The follow-up work by the MMWG on the request to the Eastern Interconnection ISOs / RTOs to provide seasonal and future base case dispatches that more closely align with economic dispatch practices is making good progress. The ERAG Steering Committee (SC) met on April 17-18, 2013 to finalize the 2013 Summer Assessment and to plan for the upcoming 2018 Summer Assessment, which is being conducted in place off the winter assessment. The study procedures were also addressed and the studies will continue to include transfer capability sensitivity simulations, however, they are not to be reported as main results.</p>



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

RFC - NPCC Working Group

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
RNWG	RFC-NPCC Working Group	The RFC-NPCC Working Group (RNWG), under the direction of the newly combined SERC-East and the RFC-NPCC Steering Committees (SerN SC), conducts appraisals of the RFC-NPCC interconnected systems for the upcoming summer and winter capability periods.
	Status/ Comments:	The ERAG Steering Committee met on April 17, 2013 to review a draft of the summer 2013 Interregional Assessment study. The R-N Working Group made its corrections based on the Steering Committee recommendations and the final report is scheduled to be released May 9, 2013.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION (NERC)

Item	Name	Assignment
RAS	Reliability Assessment Subcommittee (RAS)	Conduct an annual review of the overall reliability of the existing and planned generation and transmission systems of the eight Regional Reliability Entities for the ten year horizon. Conduct semiannual seasonal assessments of the overall reliability of the existing generation and transmission systems of the eight Regional Reliability Entities.

Status/ Comments:

The NERC RAS 2013 Summer Assessment was released on mid-May 15, 2013.

The RAS is initiating its first required probabilistic reliability assessment, to be released in 2013. The 2013 LTRA publication date is targeted for October 31, 2013.

Item	Name	Assignment
RADWG	Reliability Assessment Data Working Group	Serve as the electric utility industry’s coordinator with the Department of Energy (DOE) and the Energy Information Administration (EIA) in submitting yearly data and in negotiating the requirements for data submission to the EIA.

Status/ Comments:

NERC will provide an overview of the proposed development of the NERC Reliability Assessment Data System (RADS), including the expected benefits, Regional involvement, and a proposed timeline at a “kick-off” Webinar February 25, 2013. The RADWG met February 13-14, 2013 at NERC’s Washington DC office, and reviewed the proposed DOE EIA-411 and 2013 NERC Reliability Assessment Subcommittee LTRA data requirements, and continue discussion of reliability assessment data requirements and Regional submittal processes.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION (NERC)

Item	Name	Assignment
RIS ProbA	Reliability Issues Subcommittee	Trial assessment to determine if probabilistic reliability metrics based on the NERC Long Term Reliability Assessment can be used to supplement NERC regional reliability outlooks.
	Status/ Comments:	<p>NERC’s Generation and Transmission Reliability Planning Models Task Force (GTRPMTF) recommended the creation of an annual report summarizing a probabilistic assessment of the resource adequacy by Region across NERC. The GTRPMTF was subsequently disbanded and the Planning Committee has assigned the Reliability Assessment Subcommittee (RAS) to coordinate the assembly of this report.</p> <p>In 2011, the RAS piloted this effort to produce enhanced resource adequacy metrics for the <i>2010 Long-Term Reliability Assessment</i>. The NERC Planning Committee (PC) approved the recommendations from this report which initiates a mandatory probabilistic assessment study to be performed biennially. The Probabilistic Assessment (ProbA) Report is designed to complement the Long-Term Reliability Assessment by providing additional probabilistic statistics of Loss of Load Hours (LOLH) and Expected Unserved Energy (EUE). On September 6, 2012 NERC requested reports on the third and fifth year of the <i>2012 Long-Term Reliability Assessment</i>—for the years 2014 and 2016. NPCC satisfied these requirements through the 2012 NPCC Long Range Adequacy Overview, approved by the RCC approval at their February 27, 2013 meeting.</p>

Item	Name	Assignment
TADS	Transmission Availability Data System	Serve as the Regional Entity Coordinator (REC) in support of the NERC TADS outage data collection and the analysis of the NPCC Transmission Owners (TO) outage information. As the REC, oversee the use of and the data entry of automatic outage information by the TO in the NERC Internet based data management tool - webTADS.
	Status/ Comments:	The review of the 2012 TADS data entry by Transmission Owners was completed by the NPCC REC in March 2013. NERC used this data in its recent State of Reliability Report.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION (NERC)

Item	Name	Assignment
DADS	Demand Availability Database System	Serve as the Regional Entity Coordinator (REC) in support of the DADS data collection and analysis for NPCC. As the REC, oversee the collection of the data in the NERC Internet based data management tool – webDADS.
	Status/ Comments:	<p>The Winter 2012 DADS Data reporting period is June 15, 2013. NPCC and NERC staff will cooperate to complete timely collection of DADS data from NPCC reporting entities.</p> <p>NPCC Members have been active participants on the DADS Working Group. The DADSWG met in Atlanta, GA, on February 12-13, 2013. The NERC State of Reliability Report will no longer include DADS data; DADS data has been ported to the NERC website using the iDashboard web tool.</p> <p>A consulting firm hired by NERC presented findings on the NERC demand response data collection and analysis effort and made recommendations for improvement. DADSWG members discussed these recommendations and made additional suggestions for improvement of the data collection process, the actual DADS database, and the methods of presentation and analysis of demand response data.</p> <p>The DADSWG discussed the implementation of DADS Phase III Reporting, which would encompass the voluntary reporting of economics-based demand response programs; no final decision was made by the end of the meeting.</p>

Item	Name	Assignment
SEDS	Spare Equipment Data System	Serve as the Regional Entity Coordinator (REC) in support of the Spare Equipment Database and analysis for NPCC. As the REC, oversee the collection of the data in the NERC Internet based data management tool.
	Status/ Comments:	As of January 2013 there are two transmission owners who have entered equipment into the database. NERC is looking to expand the number of transmission owner that are listing available equipment.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION (NERC)

Item	Name	Assignment
GADS	Generator Availability Data System	<p>Serve as the Regional Entity Coordinator (REC) in support of the Generator Availability data collection and Data System analysis for NPCC. As the REC, oversee the collection of the data in the NERC Internet based data management tool – webE-GADS.</p>
	Status/ Comments:	<p>The deadline for the completion of 2012 mandatory GADS reporting was January 30, 2013. New England reporting GO/entities reported GADS data to NERC through the ISO-New England; New York and NPCC Canadian reporting GO/entities reported GADS data directly to NERC. NPCC Staff acting as Regional Entity Coordinator for NPCC GADS data oversaw completion of data submittal for 2012 GADS data.</p> <p>The April 30th deadline for submittal of First Quarter 2013 GADS data to NERC webE-GADs passed. NPCC Staff is working with NERC and OATI staff to review submittals and work with reporting entities on completing First Quarter submittals.</p> <p>NPCC staff participates in the GADS Working Group as observer member of the working group and will continue to function as a member until a GO member from NPCC becomes the official NPCC representative member of the working group. The GADSWG met in Atlanta, GA, on February 26-27, 2013.</p> <p>The NERC State of Reliability Report will no longer include GADS data; GADS data has been ported to the NERC website using the iDashboard web tool.</p> <p>The GADSWG is preparing to implement wind data reporting into the database, and the notice for request for mandatory wind data reporting will be released around June 2013; mandatory reporting of wind data in GADS is scheduled to begin in the 2016 year.</p> <p>The GADSWG discussed additional ways to improve the reporting process, including additional training, enhancements to the webE-GADS web interface and database, and additional design criteria for the actual database itself.</p>



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

OTHER

Item	Name	Assignment
Inter-ISO	Inter-ISO Working Group	The Inter-ISO Working Group was formed to address Inter-Regional planning and Inter-Area issues of projects that have “cross border” impacts while providing an open stakeholder forum and committee structure to allow market input.
	Status/ Comments:	A meeting (via WebEx) is scheduled for Monday, May 13, 2103 was cancelled and will be rescheduled. The purpose of this WebEx was to provide an update on the Northeastern ISO/RTO Planning Protocol and related Order 1000 compliance issues.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Situation Awareness and Infrastructure Security Program

TASK FORCE ON COORDINATION OF OPERATION

Item	Name	Assignment
CO-10	Operational Tools Working Group	<p>The Operational Tools Working Group (CO-10) is responsible for taking a lead role in the development of NPCC and NERC operational tools (e.g. electronic tagging, the NERC Interchange Distribution Calculator and electronic scheduling), including hardware, software and integrated systems. The Operational Tools Working Group will define the need for operational tools, evaluate the cost benefits of operational tools, coordinate their implementation within NPCC and coordinate common training in the use of operational tools.</p>
	Status/ Comments:	<p>The CO-10 Working Group is completing the latest update to the Facilitated Transaction Checkout tool to incorporate intra-hour scheduling.</p>



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Situation Awareness and Infrastructure Security Program

TASK FORCE ON INFRASTRUCTURE SECURITY AND TECHNOLOGY

Item	Name	Assignment
IST-1	Infrastructure Security and Technology Workshop	Periodic workshops presentations to address timely issues and update member system personnel associated with the provision of on-line computer systems for operation of the power system. Last Workshop: Spring 2013
	Status/ Comments:	IST-1 presented at the Fall 2012 NPCC Standards & Compliance Workshop on CIP versions 4 and 5. IST-1 will be presented at 2013 Spring Workshop

Item	Name	Assignment
IST-3	TFIST EMS-SCADA Working Group	Provide a forum to identify, discuss and advance the technology of EMS-SCADA for the reliable operation of the NPCC Bulk Power System. The EMS-SCADA Working Group (IST-3) will also support TFIST in their work on issues related to EMS-SCADA.
	Status/ Comments:	The EMS-SCADA Working Group has been designed as an Ad-hoc Working Group by TFIST.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Situation Awareness and Infrastructure Security Program TASK FORCE ON INFRASTRUCTURE SECURITY AND TECHNOLOGY

Item	Name	Assignment
IST-4	TFIST Cyber Security Working Group	Provide a forum to identify, discuss and advance the technology of Cyber Security for the reliable operation of the NPCC Bulk Power System. The Cyber Security Working Group (IST-4) will also support TFIST in their work on issues related to Cyber Security.
	Status/ Comments:	Expect TFIST to review a draft scope at the September 2013 meeting.

Item	Name	Assignment
IST-5	TFIST Physical Security Working Group	Provide a forum to identify, discuss and advance the use of Physical Security for the reliable operation of the NPCC Bulk Power System. The Physical Security Working Group (IST-5) will also support TFIST in their work on issues related to Physical Security.
	Status/ Comments:	Per the 2013-2014 TFIST Work Plan, re-populate the Physical Security Working Group.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Administrative Services

MEMBERS' FORUMS

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
General	NPCC General Meeting	To promote the reliable and efficient operation of the interconnected bulk power systems in Northeastern North America, NPCC invites high level policy makers from Federal, Provincial, and State regulatory and/or Governmental authorities and senior executives within NPCC to identify and discuss emerging issues related to the reliability of the NPCC Region.
	Status/ Comments:	The 2013 NPCC General Meeting is scheduled to be held the afternoon of December 4, 2013 in Boston, MA.

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
Gov/Reg	NPCC Governmental Regulatory Affairs Advisory Group	To provide a forum where industry and governmental and/or regulatory representatives can exchange views and strive to develop consensus policy recommendations on reliability issues specific to the NPCC Region and share actionable information related to regional energy and reliability matters.
	Status/ Comments:	The NPCC Governmental/Regulatory Affairs Advisory Group will be held the afternoon of December 3, 2013 in conjunction with the NPCC 2013 General Meeting in Boston, MA.

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
PIC	Public Information Committee	To highlight and summarize NPCC activities and accomplishments and disseminate appropriate information to the media, as well as respond to related requests for information.
	Status/ Comments:	NPCC continues to participate in the monthly communications coordination calls with NERC and the Regions. The 2013 Media Event for the release of the 2013 NPCC Summer Reliability Assessment was held May 14, 2013.