



**RCC Meeting
March 11, 2009
Agenda Item 9.16**

**Reliability Assessment Program
(NRAP)
HIGHLIGHT REPORT**
*Prepared for the
Reliability Coordinating Committee
March 11, 2009*

Distributed to:

Members, Reliability Coordinating Committee
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	The NPCC Regional Standards Committee (RSC), a committee of the NPCC Board, is charged with management and maintenance of the NPCC Regional Standards Development Procedure 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 Standards Development Procedure. In addition, the NPCC RSC will review, comment on and develop ballot recommendations for the NERC Reliability Standards under development.

Status/ Comments: The Regional Standards Committee is focusing on the review of each of the NERC Reliability Standards (as they are developed or revised). RSC is currently reviewing the FERC Orders and NOPRs that pertain to Reliability Standards. The RSC develops recommendations for the membership on ballots when posted. RSC has also commented on the Adequate Level of Reliability Definition, participates in the NERC Functional Model Working Group, and NERC Standards Committee. RSC is participating in the NERC Reliability Standards Manual revisions through the Standards Committee Process Subcommittee and also soliciting members for the NERC drafting teams as necessary to ensure NPCC is represented. RSC also developed a process to coordinate commenting on adjacent Regions' criteria and their standards development, as well as promoting NPCC criteria in adjacent regions, and encouraging NPCC member involvement on their drafting teams. RSC has developed and is maintaining a Regional Reliability Standards Development Process which has been approved by the NPCC BOD and filed with the FERC as part of the Regional Delegation Agreement. FERC has accepted the revised NPCC Standards Development Procedure and RSC will be involved with implementation. The RSC is overseeing the development of two Regional Reliability Standards: Underfrequency Load Shedding, and Disturbance Monitoring. The RSC is also overseeing the development of the NPCC Regional Reliability Directories and is maintaining a work plan for completion of this project.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Standards Program

Directories

Item	Name	Assignment	Latest Version:	Frequency of Reviews:	Next Review Date:
DIR-1	Basic Criteria for the Design and Operation of Interconnected Power Systems	This Directory presents the objectives, principles and requirements that govern the Areas in formulating plans and procedures to be followed for the design and operation of interconnected power systems.		3 years	
Status/ Comments: Directory #1 Open Process review concluded on February 15, 2009. The Task Force on Coordination of Planning is reviewing and addressing the comments received in posting.					
DIR-2	Emergency Operation Criteria	This Directory presents the objectives, principles and requirements that govern the Areas in formulating plans and procedures to be followed in an emergency or during conditions which could lead to an emergency.	Oct. 21, 2008	3 years	Oct. 2011
Status/ Comments: Directory #2 approved by the Full Members on Oct. 21, 2008; NPCC Document A-3 was retired on the same date. UFLS Directory #12 will require revision to this directory to remove the UFLS section. . A proposed revision to Directory #2, addressing the responsibility for compensatory load shedding when a generator trips above the curve of Figure 1, is posted for public comment through April 10, 2009. Anticipated Full NPCC Membership approval date of the revised directory is July 2009.					



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Directories

Item	Name	Assignment	Latest Version:	July 2008
DIR-3	Maintenance Criteria for Bulk Power System Protection	This Directory establishes the maintenance interval and practices which should result in dependable and secure protection system operation.	Frequency of Reviews:	3 years
			Next Review Date:	Dec. 2009
	Status/ Comments:	Directory #3 approved by the NPCC Full Membership on July 11, 2008. NPCC Documents A-4 and B-23 were retired on the same date.		

Item	Name	Assignment	Latest Version:	
DIR-4	BPS Protection Criteria	This Directory establishes the criteria and practices which result in dependable and secure protection system operation for the bulk power system	Frequency of Reviews:	3 years
			Next Review Date:	
	Status/ Comments:	Task Force on System Protection conference call conducted on February 2, 20/09 to review/approve draft translation in advance of posting to the Open Process.		



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Directories

Item	Name	Assignment	Latest Version:	
DIR-5	Operating Reserve Criteria	This Directory establishes the criteria and practices which result in dependable and secure operating reserve.	Latest Version:	
			Frequency of Reviews:	3 years
			Next Review Date:	
	Status/ Comments:	Task Force on Coordination of Operation assigned the CO-1 Working Group to review draft in preparation of Open Process posting. The Working Group on Control Performance (CO-01) is currently working with the Standards program area to translate the existing Criterion A-06, "Operating Reserve Criteria," to NPCC Regional Reliability Reference Directory 5, "Operating Reserve." The next CO-1 Working group meeting is planned for May 2009.		
Item	Name	Assignment	Latest Version:	
DIR-7	Special Protection System Criteria	This Directory establishes the protection criteria, and recommends minimum design objectives and practices for Special Protection Systems (SPSs). The SPS is categorized according to the Criteria fault for which it is designed and the impact its failure would have on the network.	Latest Version:	Dec. 27, 2007
			Frequency of Reviews:	3 years
			Next Review Date:	Dec. 2010
	Status/ Comments:	Directory #7 approved by the NPCC Full Membership on December 27, 2007.		



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Directories

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Latest Version:</u>	<u>Oct. 21, 2008</u>
DIR-8	Black Start System Restoration Criteria	This Directory establishes the criteria and practices which result in dependable and secure black start and restoration for the bulk power system	Frequency of Reviews:	3 years
			Next Review Date:	Oct. 2011
	Status/ Comments: Directory #8 approved by the NPCC Full Membership on Oct. 21, 2008. The NPCC Restoration Working Group (CO-11) is currently reviewing the document to propose the addition of an appendix defining the methodology to be employed in the peer review of each Reliability Coordinator Area restoration plan.			

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Latest Version:</u>	<u>Dec. 22, 2008</u>
DIR-9	NPCC Verification of Generator Gross and Net Real Power Capability	This Directory establishes the criteria and practices which result in the verification of generator gross and net real power capability	Frequency of Reviews:	3 years
			Next Review Date:	Dec. 2011
	Status/ Comments: Directory #9 approved by the NPCC Full Membership on December 22, 2008.			



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Directories

Item	Name	Assignment	Latest Version:	Dec. 22, 2008
DIR-10	NPCC Verification of Generator Gross and Net Reactive Power Capability	This Directory establishes the criteria and practices which result in the verification of generator gross and net reactive power capability	Frequency of Reviews:	3 years
			Next Review Date:	Dec. 2011
	Status/ Comments: Directory #10 approved by the NPCC Full Membership on December 22, 2008.			

Item	Name	Assignment	Latest Version	Frequency of Reviews:	3 years
DIR-12	UFLS Load Shedding Program Requirements	This Directory presents the basic criteria for the design and implementation of the UFLS program in order to arrest frequency decline and prevent system collapse under islanded conditions.	Next Review Date:		
	Status/ Comments: Directory #12 draft developed to include UFLS recommendations approved by the Reliability Coordinating Committee in November 2008. The SS-38 Working Group meets in March 2009 to review the draft prior to its posting.				



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Regional Standards

Item	Name	Assignment	Latest Version:
PRC-002 NPCC-01	Disturbance Monitoring	This Standard will establish the technical and reporting requirements for disturbance monitoring equipment. This will lead to improved system reliability by providing then resources to do post event analyses.	Frequency of Reviews: 3 years Next Review Date:
Status/ Comments:		Comments from the initial posting were received and have been evaluated by the Standard Drafting Team. Revisions to be incorporated and the Standard reposted.	

Item	Name	Assignment	Latest Version:
UFLS	Underfrequency Loadshedding	This Standard will provide the measures for implementing an automatic underfrequency load shedding program to respond to system underfrequency events .	Frequency of Reviews: 3 years Next Review Date:
Status/ Comments:		The Standard Drafting Team has been meeting and is preparing the initial draft for posting.	



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) shall be 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. With regard to NERC Reliability Standards and Regional Reliability Standards, the CC shall provide an oversight role to the NPCC Compliance Staff's implementation of the CMEP. In this oversight role the CC will endorse the processes used by the NPCC Compliance Staff in the conduct of the CMEP. The CC shall be responsible for final approval of compliance assessments related to NPCC Reliability Criteria, which includes non-monetary sanction recommendations.

Status/ Comments:

The NPCC Compliance Committee continues to meet on a monthly basis either face to face or by conference call. The NPCC Compliance Committee Assessment Team recently did an assessment of the NPCC On Site Audit Program. The Compliance Committee will review the report on that assessment at its November meeting. Additional assessments, covering other aspects of the CMEP implementation, will be conducted over the next year. The NPCC Compliance Committee and NPCC Compliance Staff jointly continue to develop a definition of "material generation." Definition will be based on recent FERC Orders issued related to this issue.



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>
RCP	Reliability Compliance and Enforcement Program	The process and requirements are defined for compliance assessment and enforcement of selected reliability criteria and standards.
	Status/ Comments:	The program is currently under development by the Compliance Committee. An interim Reliability Compliance and Enforcement program for 2009 will be presented to the RCC at their June Meeting.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Compliance Enforcement and Organization Registration and Certification Program

NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION (NERC)

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
CCC	Compliance and Certification Committee	Develop positions related to the NERC Compliance program.

Status/ Comments:

The CCC's subcommittee, Organization, Registration, and Certification (ORCS), has been working on revising Section 500 of the Rules of Procedure. This includes the requirements for a Regional Coordinator (RC), Balancing Authority (BA), and Transmission Operator (TOP) to get their NERC certification. A provisional letter has also been drafted for the CCC approval at their September meeting. Section 500 was also revised to add clarification to the Joint Registration Organization (JRO) criteria. The CCC next meets on March 11-12, 2009.



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 propose new techniques and training aids as they become available.

Status/ Comments: Planning is underway for the 63rd NPCC System Operator Seminar, which is being held on May 6 and 7, 2009 in Ontario. The CO-2 Working Group has also developed functional diagrams that outline system operator tasks in order to satisfy NERC requirements



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

BLACKOUT 2003 FOLLOW-UP

Item	Name	Assignment
BSP	Blackout Study Plan	Building on the Event Replication Study, perform additional analysis to evaluate possible risks for other rerating conditions, planned system changes, and possible system design changes.
	Status/ Comments:	The Blackout Study Recommendations Working Group's report and action plan was presented and approved at the March 2006 RCC meeting. Task 5 "Terms of Reference" was approved at the November 2006 RCC meeting. Work on Task 5 was kicked off at the January 27, 2009 meeting of the SS-38 Working Group.



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 continues to follow the progress of the NERC Resources Subcommittee, Reliability-Based Control Standard Drafting Team (RBCSDT), Frequency Response Standard Drafting Team, and the Balancing and Controls Standard Drafting Team. In addition, CO-1:
- ✓ is in the process of working with the RBCSDT to develop a frequency model to determine appropriate frequency limits for the HQTE Balancing Area. CO-1 continues to monitor inadvertent (good and bad), control performance, ACE Diversity Interchange, and NPCC and NERC review processes for loss of resource.
 - ✓ continues to make progress on the SAR Visibility Program. A new tutorial is now available to demonstrate the prospective man-machine interface.
 - ✓ has just completed the first draft of the Connection Guide For Loads Providing Ancillary Services.
 - ✓ has begun to address sustainability requirements for regulating resources.
 - ✓ has made substantial progress in getting CO-8 and CO-10 feedback for inter-area reserve, and it is expected that the requirements to be included in Directory 5 will be ready during the second quarter of 2009.
 - ✓ has taken a leadership role in the conversion to Directory 5, producing a roadmap for changes, and also drafting many document updates to existing documents at its last meeting.
 - ✓ will support SS-38 efforts to validate governor models during 2009.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

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

Item	Name	Assignment
CO-7	Operational Review Working Group	To assess, coordinate and evaluate regional operational issues and reliability concerns as directed by the TFCO. Periodically review the NPCC Regional Reliability Plan and the Registration and Certification of entities to achieve conformance with NPCC criteria and NERC Standards.
Status/ Comments: Working Group CO-07 is now drafting a revised NPCC Regional Reliability Plan incorporating the planning functions identified in the NERC Reliability Functional Model.		

Item	Name	Assignment
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: The Working Group has: <ul style="list-style-type: none"> ✓ provided the data requirements for the NPCC Operational Awareness wide area view; ✓ identified the reliability issues to be addressed in incorporating inter-Area operating reserve 		



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-11	Restoration Working Group	The Restoration working Group addresses the issue of ensuring appropriate operation of key system restoration facilities and their critical components.
Status/ Comments:		The Working Group is currently finalizing a methodology to govern the annual peer review of the Reliability Coordinator Area restoration plans.

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
CO-12	Operations Planning Working Group	Review the overall reliability of the generation and transmission system in the NPCC Region for the Summer and Winter Seasonal conditions.
Status/ Comments:		The CO-12 Working Group is completing its draft report on “Northeast Power Coordinating Council Reliability Assessment for Summer 2009.” Preliminary results will be presented at the March 11, 2009 Reliability Coordinating Committee meeting.

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
CO-13	Available Transfer Capability Working Group	Review the procedures developed by the Regions (or sub-regions) for determining ATC to ensure that the procedures are in concert with the ATC Principles in NERC’s June 1996 Available Transfer Capability Definitions and Determination report.
Status/ Comments:		No present ATC issues at this time.



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 Inc. Areas and perform pre-seasonal resource adequacy assessments.
	Status/ Comments:	The 2008 New England Comprehensive Review of Resource Adequacy, the 2008 New York Interim Review of Resource Adequacy, and the 2008 Ontario Interim Review of Resource Adequacy were approved at the November 19-20, 2008 Reliability Coordinating Committee (RCC) meeting. The 2008 Maritimes Interim Review of Resource Adequacy and the 2008 Quebec Comprehensive Review of Resource Adequacy will be presented for approval at the March 11, 2009 RCC meeting.

Item	Name	Assignment
CP- 2009S	Summer 2009 Multi-Area Probabilistic Reliability Assessment	Assess NPCC Area reliability for the year 2009 by estimating the annual Loss of Load Expectation (LOLE) and projected use of Area Operating Procedures designed to mitigate resource shortages for the summer (May through September) period.
	Status/ Comments:	Preliminary results for the 2009 NPCC Summer Multi-Area Probabilistic Reliability Assessment will be presented at the March 11, 2009 Reliability Coordinating Committee meeting. The finalized assessment will be presented at the April 28, 2009 NPCC BOD meeting; a summary report and Media Release will also be released at the April 30, 2009 Media teleconference.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

TASK FORCE ON COORDINATION OF PLANNING

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
CP- 2009W	Winter 2009-2010 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 2009 through March 2010) period.

Status/ Comments: The 2009-2010 NPCC Winter Multi-Area Probabilistic Reliability Assessment will begin in September 2009, to be presented for approval at the November 18-19, 2009 Reliability Coordinating Committee meeting.

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
CP - TIE	Review of Interconnection Assistance Reliability Benefits	On a consistent basis, estimate the amount of interconnection assistance available to the NPCC Inc. Areas and for the near term.

Status/ Comments: The CP-8 Working Group reviewed the methodology in 2008, prior to the start of the next Tie Benefits study scheduled to begin in 2010.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

TASK FORCE ON COORDINATION OF PLANNING

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
CP-11	<i>NPCC Basic Criteria For Design and Operation Of Interconnected Power Systems Review Working Group</i>	This Working Group is charged with the revision of the NPCC Inc. Basic Design Criteria Document A-02 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:	Significant changes have been incorporated in draft revised A-10. Open Process Review of draft Revised A-10 is scheduled to begin on March 16, 2009. The CP-11 WG is tasked by TFCP with the development of a procedure for the review and approval of classification of bulk power system elements. A scope of work will be developed for this new Task by the next TFCP meeting in May 2009.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

TASK FORCE ON SYSTEM STUDIES

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
SS-37	Base Case Development Working Group	On an annual basis, develop a library of solved load flow cases and associated dynamic data.
	Status/ Comments:	Year 2009 development effort has begun and a new shoulder case will be included in this year's library of cases as required by the MMWG.

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
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:	Work on the NPCC Regional UFLS standard began in January 2009. Work on NPCC Blackout Recommendation Task 5 and the Overall Transmission Assessment were also initiated at the meeting on January 27, 2009. The development of guideline for load modeling is anticipated to start in early 2010.



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	The Eastern Interconnection Reliability Assessment Group (ERAG) Management Committee 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.

Status/ Comments: The ERAG Management Committee (MC) held a conference call in March 2009 to discuss the work status of the 2009 summer regional studies being done by the three groups involved in the Eastern Interconnection. The RFC-NPCC Working Group chairman reported that they were on schedule with their respective study. A similar reporting status was provided by the two other working groups. The MMWG Chairman reported that Power Technologies Labs work is on schedule in the development of a centralized database for use by all parties. The MC also discussed the interregional 2014 assessment with the intention of beginning actual work on this long range study in the July - August timeframe. The next meeting of the ERAG MC and the working groups is scheduled for late April 2009 in Minneapolis, MI.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

RFC - NPCC Working Group

Item	Name	Assignment
RFC-NPCC	RFC-NPCC Working Group	The RFC-NPCC Operating Studies Working Group, under the direction of the RFC-NPCC Steering Committee, conducts appraisals of the RFC-NPCC interconnected systems for expected summer and winter periods.

Status/ Comments: The RFC-NPCC Working Group is currently on schedule regarding the completion of the 2009 Interregional Summer study, which is scheduled for May 2009.



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 first draft of the “2009 Summer Reliability Assessment” will be finalized by the NERC Reliability Assessment Subcommittee in the first week of April 2009.

Item	Name	Assignment
DCWG	Data Collection 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: A meeting of the NERC DCWG and EIA representatives has held on January 28, 2009 via teleconference to review NERC 2009 LTRA and EIA 2008 reporting requirements and discuss future activities. The next meeting is planned for May 2009.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION (NERC)

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
GTRPMTF	Generator Transmission Reliability Planning Model Task Force	The objective of the GTRPMTF is to determine if a reliability modeling methodology can be used to forecast regional reliability in the NERC Long Term Reliability Assessment.

Status/ Comments: The NERC Planning Committee approved the scope for the GTRPMTF in 2008; the Task Force has been formed and will present its Work Plan and Schedule at the March 17-18, 2009 NERC Planning Committee meeting.

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
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: TO data entry of automatic outages for 2008 has ended as of March 1, 2009. REC is currently reviewing outage input for correctness prior to final review by NERC. Review of calendar year 2008 data by the REC must be completed by March 23, 2009. NERC final report to the TADSTF is due April 15, 2009.



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Reliability Assessment and Performance Analysis Program

OTHER

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
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: The last face-to-face stakeholder meeting was held December 11, 2008 at the Wolf Road Holiday Inn in Albany, NY. Topics discussed included the draft Northeast Coordinated System Plan, environmental issues, and interregional Wind integration studies. The 2008 Northeast Coordinated System Plan was finalized and released March 1, 2009. The next meeting is planned for the second quarter of 2009.



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	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.

Status/ Comments: The CO-10 is working with the five Reliability Coordinators to implement the control room displays for the NPCC Operational Awareness displays. It is also concluding a real-time tools survey to identify the readiness of the NPCC entities.



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 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:	May 2008
	Status/ Comments:	A successful Cyber Security Workshop was held in Albany, NY in May 2008, and was coordinated with the Spring 2008 Compliance Workshop. The next workshop is planned for 2010.		

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.		



RELIABILITY ASSESSMENT PROGRAM HIGHLIGHTS

Situation Awareness and Infrastructure Security Program

TASK FORCE ON INFRASTRUCTURE SECURITY AND TECHNOLOGY

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
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:		The Cyber Security Working Group has been designated as an Ad-hoc Working Group by TFIST.

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
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:		The Physical Security Working Group held its first meeting in February, 2009. The second meeting is planned for September 2009.



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 NPCC 2009 General Meeting is scheduled for September 23-24, 2009 at Cambridge, MA; the Agenda is in the process of being developed.		

<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 next meeting of the NPCC Governmental/Regulatory Affairs Advisory Group is planned for April 7, 2009; the Agenda is in the process of being developed.		

<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: A PIC teleconference was held on February 26, 2009 to discuss the upcoming April 30, 2009 Media Event planned for the release of the NPCC 2009 Summer Reliability Assessments and prepare for media questions. NPCC continues to participate in the monthly communications coordination calls with NERC and the Regions.		