



NORTHEAST POWER COORDINATING COUNCIL, INC.  
NORTHEAST POWER COORDINATING COUNCIL: CROSS-BORDER REGIONAL ENTITY, INC.  
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**RCC Meeting  
March 14, 2007  
Agenda Item 7.19**

**Reliability Assessment Program  
(NRAP)  
STATUS REPORT**

*Prepared for the  
Reliability Coordinating Committee  
March 14, 2007*

Distributed to:

Members, Reliability Coordinating Committee  
Members, Compliance Monitoring and Assessment Subcommittee  
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, NPCC Working Groups  
and  
NPCC Staff



## Reliability Assessment Program



### STATUS REPORT

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# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## BLACKOUT 2003 FOLLOW-UP Working Groups/Ad Hoc Assignments

Item	Name	Assignment	Completion Date:
ARR	Area Restoration Reviews	Document and evaluate Area restoration performance following the August 14 <sup>th</sup> Blackout, assess extent and effectiveness of regional and interregional coordination and recommend potential Area Restoration Plan and/or NPCC Criteria revisions.	<b>Dec. 2006</b>
<b>Status/ Comments:</b>		The Final Report of the IRCWG (CO-11), assessing the Areas' restoration experiences following the August 14 <sup>th</sup> Blackout, was approved at the July 14, 2005 RCC meeting. Requirements based on recommendations from the report, "Restoration of the NPCC Areas Following the Power System Collapse of August 14, 2003," are included in the current draft of NPCC Document A-03, "Emergency Operation Criteria," which will be submitted at the September RCC meeting for approval. Further recommendations were incorporated in NPCC Document C-35, "NPCC Inter-Control Area Power System Restoration Reference Document," approved in March 2006.	
<b>NPCC Inc. Contact:</b>		<b>Jerry Mosier</b>	

Item	Name	Assignment	Completion Date(s):
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.	<b>Task 5 On-Going Task 6 On-Going</b>
<b>Status/ Comments:</b>		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 anticipated following completion of the SS-38 UFLS study (to be presented at the May 2007 RCC meeting).	
<b>NPCC Inc. Contact:</b>		<b>Donal Kidney</b>	



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## BLACKOUT 2003 FOLLOW-UP

### Working Groups/Ad Hoc Assignments

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
<b>NERC-BOT</b>	NERC Board Of Trustees Recommendations	Evaluate recommendations included in the report “August 14, 2003 Blackout: NERC Actions to Prevent and Mitigate the Impacts of Future Cascading Blackouts” for applicability within NPCC.	<b>Completion Date:</b>	<b>Dec. 2007</b>
	<b>Status/Comments:</b>	Quarterly status reports are posted on NPCC public web site.		
	<b>NPCC Inc. Contact:</b>	<b>Phil Fedora</b>		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## COMPLIANCE MONITORING AND ASSESSMENT SUBCOMMITTEE

### Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
A-8	Reliability Compliance and Enforcement Program	The process and requirements are defined for compliance assessment and enforcement of selected reliability criteria and standards.	<b>Latest Version:</b>	<b>Jan. 30, 2006</b>
			<b>Frequency of Reviews:</b>	<b>1 year</b>
			<b>Next Review Date:</b>	<b>Nov. 2006</b>
	<b>Status/ Comments:</b> CMAS is currently reviewing this document to reflect the changing requirements of the NPCC Compliance Program in 2007.			
	<b>NPCC Inc. Contact:</b>	<b>Quoc Le</b>		

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
B-22	Guidelines for Implementation of the Reliability Compliance and Enforcement Program (RCEP)	This document establishes the requirements and guidelines for the implementation of the Reliability Compliance and Enforcement Program (Document A-8) and the arbitration process utilizing the NPCC Policy for Alternate Dispute Resolution.	<b>Latest Version:</b>	<b>June 1, 2005</b>
			<b>Frequency of Reviews:</b>	<b>1 year</b>
			<b>Next Review Date:</b>	<b>Nov. 2006</b>
	<b>Status/ Comments:</b> CMAS is currently reviewing this document to reflect the changing requirements of the NPCC Compliance Program in 2007.			
	<b>NPCC Inc. Contact:</b>	<b>Quoc Le</b>		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## COMPLIANCE MONITORING AND ASSESSMENT SUBCOMMITTEE

### Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
C-32	Review Process for NPCC Reliability Compliance Program	This Procedure establishes the process CMAS uses to verify Area compliance to the standards that comprise the NPCC Reliability Compliance Program (RCP) or its successor program.	<b>Latest Version:</b>	<b>Nov. 19, 2004</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Nov. 2007</b>
	<b>Status/ Comments:</b>	The next review date is November 2007.		
	<b>NPCC Inc. Contact:</b>	Quoc Le		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF OPERATION

### Working Groups/Ad Hoc Assignments

<b>Item</b>	<b>Name</b>	<b>Assignment</b>	<b>Completion Date:</b>
CO-1	Control Performance Working Group	The Working Group insures coordination between adjacent control areas in establishing interchange schedules, 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.	Dec. 2007
	<b>Status/ Comments:</b>	<p>A proposed draft of NPCC Document A-06, "Operating Reserve Criteria," incorporating the concepts of load as synchronized operating reserve, was presented by the Working Group to the Task Force on Coordination of Operation. This revision to NPCC Document A-06, together with a new definition of synchronized reserve proposed for NPCC Document A-07, "NPCC Glossary of Terms," was considered by the TFCO at its meeting of January 11 and 12, 2006, and a revised Document A-06 incorporating these concepts was posted for public comment through the NPCC Open Process.</p> <p>Based on the conclusions of the CO-1 following its one year assessment of the program, the Reliability Coordinating Committee approved, at its meeting of November 28 and 29, 2006, the following changes to the regional reserve sharing program: Areas participating in regional reserve sharing be allowed to reduce the synchronized reserve component of their ten minute reserve by 100MW (increased from 50 MW and ten minute non-synchronized reserve only).</p> <p>The CO-1 Working Group will discuss the implementation of inter-Area operating reserve with the TFCO at the Task Force meeting of March 1-2, 2007.</p>	
	<b>NPCC Inc. Contact: Reference:</b>	<p><b>Jerry Mosier</b> <b>NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b></p>	



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF OPERATION Working Groups/Ad Hoc Assignments

Item	Name	Assignment
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CO-2	System Operator Training Working Group	<p>The Working Group establishes a program for system dispatcher training relating to NPCC Inc. inter-Area matters, criteria, terminology, policies and operating instructions. It prepares and presents material at dispatcher training sessions, exchanges information on internal dispatcher training methods. The CO-2 Working Group also evaluates and propose new techniques and training aids as they become available.</p>
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**Next Seminar:**      Fall 2007

**Status/ Comments:**      The CO-2 Working Group continues to coordinate the development of operator training programs among the NPCC Inc. Areas to ensure that the programs will meet the new NERC Program requirements for operator certification and re-certification. With the new program operator re-certification will come only through attainment of Continuing Education Hours (CEHs) and not through testing. CO-2 Working Group is also trying to maximize the benefits that can be obtained from shared training among NPCC Inc. Areas; opportunities are currently being identified and considered.

The CO-2 Working Group will meet on March 7-8 and will develop an agenda and make plans for the Spring NPCC Inc. Operators Seminar, planned for May 2-3, 2007.

**NPCC Inc. Contact:**      Paul Roman  
**Reference:**                NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE





# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF OPERATION Working Groups/Ad Hoc Assignments

Item	Name	Assignment	Completion Date:
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 Inc. Regional Reliability Plan and the Registration and Certification of entities to achieve conformance with NPCC Inc. criteria and NERC Standards.	Dec. 2007

**Status/ Comments:** The Working Group CO-07, at the direction of the TFCO, is in the process of replacing the NPCC Document B-09 “Guide for Rating Generating Capability,” with two new NPCC Type “A” criteria, NPCC Documents A-13 and A-14. Subsequently the new A-13 and A-14 criteria will be converted into a Regional Standard. The objective is to ensure compliance with both the NERC Standards MOD-024-1, “Verification of Generator Gross and Net Real Power Capability,” and MOD-025-1, “Verification of Generator Gross and Net Reactive Power Capability. The proposed draft of NPCC Document A-13 has completed two postings for public comment through the NPCC Open Process, and all comments have addressed by the Working Group CO-07. Following approval by the TFCO at its meeting of March 1-2, 2007, the new Document A-13 will be submitted to the RCC. A first draft of Document A-14 is scheduled for posting for comment through the NPCC Open Process in early May.

The CO-7 has also provided the TFCO with a “mapping document” that correlates NPCC Inc. documentation with the requirements presented in the evolving NERC Reliability Standards.

**NPCC Inc. Contact:** Jim Hartwell  
**Reference:** NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE



## RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

### TASK FORCE ON COORDINATION OF OPERATION Working Groups/Ad Hoc Assignments

Item	Name	Assignment	Completion Date:
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CO-8	System Operations Managers Working Group	<p>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.</p>	Dec. 2007
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**Status/ Comments:** The Working Group has posted NPCC Document C-40, "Procedures for Inter-AREA Voltage Control," a conversion of NPCC Document B-03, "Guidelines for Inter-AREA Voltage Control," for public comment through the NPCC Open Process.

The Task Force on Coordination of Operation has charged the working group to provide the TFCO with a written summary of all disturbance reviews submitted to it. This expanded process is intended to assist the TFCO in conducting disturbance reviews by providing a summary of outstanding issues, lessons learned and proposed mitigation plans.

The CO-08 Working Group has concluded the triennial review of Document C-15, "Procedures for Solar Magnetic Disturbances on Electric Power Systems," The revised Procedure was finalized by the TFCO at its meeting of January 11-12, 2007, and the document has been posted effective January 11, 2007.

**NPCC Inc. Contact:** Jerry Mosier  
**Reference:** NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF OPERATION Working Groups/Ad Hoc Assignments

Item	Name	Assignment	Completion Date:
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>	Dec. 2007
	<b>Status/ Comments:</b>	<p>The CO-10 Working Group has reviewed all comments received on the NPCC Document C-17, “Procedures for Monitoring and Reporting Critical Operating Tool Failures,” document that was posted for public comment through the NPCC Open Process. Revisions have been made to C-17 and it has been clarified that the document mainly applies to Reliability Coordinators. Once all questions on the document are resolved it will be reposted.</p> <p>The CO-10 Working Group continues to deal with: 1) potential web services applications; 2) the progress and recommendations of the NERC Real time Best Practices Task Force; 3) the use of Facilitated Transaction Checkout in all NPCC Areas, PJM and Midwest ISO; 4) the progress of the Eastern Interconnect Phasor Project (EIPP), 5) changes going into effect for electronic tagging; 6) a generation and transmission scheduling tool presently under development.</p>	
	<b>NPCC Inc. Contact: Reference:</b>	<p><b>Paul Roman</b> <b>NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b></p>	



## RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

### TASK FORCE ON COORDINATION OF OPERATION Working Groups/Ad Hoc Assignments

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Completion Date:</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.	Dec. 2007
<b>Status/ Comments:</b>		Following its approval by the Task Force on Coordination of Operation, the new NPCC Type A Criterion, NPCC Document A-12, "System Restoration Criteria," addressing the fundamental requirements of restoration, was posted for public comment through the NPCC Open Process; comments will have been received through November 27, 2006. Additional issues brought out in the public comment period, particularly the breadth of the basic minimum power system, will be discussed further by the TFCO at its meeting of March 1-2, 2007.	
<b>NPCC Inc. Contact:</b>		<b>Jerry Mosier</b>	
<b>Reference:</b>		<b>NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>	

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Completion Date:</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.	Dec. 2007
<b>Status/ Comments:</b>		The 2007 Summer Assessment is underway. A presentation on the analysis of load and capacity expectations and the impact of new facilities is being provided to the TFCO at their March 1-2, 2007 meeting. Approval of the 2007 Summer Assessment will be sought from the TCO and RCC in late April.	
		CO-12 has developed a draft "C" document for review of operational readiness for the new facilities being added and has added the Reliability Assessment Methodology to its scope.	
<b>NPCC Inc. Contact:</b>		<b>Paul Roman</b>	
<b>Reference:</b>		<b>NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>	



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF OPERATION Working Groups/Ad Hoc Assignments

<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.	<b>Completion Date:</b> Dec. 2007
	<b>Status/ Comments:</b>	The CO-13 Working Group has developed a draft "C" document (C-44) from its white paper, "Whitepaper on Regional Methodology and Guidelines for Forecasting TTC and ATC," which satisfies the NERC requirement for a methodology document. TFCO is reviewing the document at its March 1-2, 2007 meeting. The CO-13 Working Group is also reviewing the recent FERC Order No. 890.	
	<b>NPCC Inc. Contact:</b>	<b>Paul Roman/Jim Hartwell</b>	
	<b>Reference:</b>	<b>NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>	



## RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

### TASK FORCE ON COORDINATION OF OPERATION Working Groups/Ad Hoc Assignments

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Completion Date:</u>
<b>LESPWG</b>	Lake Erie Security Process Working Group	The Lake Erie Security Process Working Group was formed to address the charge stemming from the Northeast Power Coordinating Council Security Process Plan. The Lake Erie Security Process has established Lake Erie line loading relief procedures developed by representatives from Ontario Hydro, the New York Power Pool, the Pennsylvania-New Jersey-Maryland Interconnection Association and the Michigan Electric Coordinated Systems.	<b>Dec. 2007</b>
<b>Status/ Comments:</b>		The group has been dormant and presently has no Chairman. Retirement of the existing LEER process is being considered.	
<b>NPCC Inc. Staff:</b>		<b>Paul Roman</b>	
<b>Reference:</b>		<b>NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>	



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF OPERATION

### Documents

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>A-3</b>	Emergency Operation Criteria	Objectives, principles and requirements are presented that govern the Areas in formulating plans and procedures to be followed in an emergency or during conditions which could lead to an emergency.	<b>Latest Version:</b>	<b>Aug. 31, 2004</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Aug. 2007</b>
	<b>Status/ Comments:</b>	The document had been posted for Open Process review between January 19 and March 5, 2007. The two comments received are being addressed by the TFCO; RCC approval will be sought at the May 23, 2007 meeting.		
	<b>NPCC Inc. Contact:</b>	<b>Paul Roman</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>A-6</b>	Operating Reserve Criteria	Objectives, principles and requirements are presented that governs the amount, availability and distribution of operation reserve.	<b>Latest Version:</b>	<b>Feb. 6, 2006</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Nov. 2008</b>
	<b>Status/ Comments:</b>	Revisions to allow load to provide synchronized reserve were made by the CO-1 Working Group and the TFCO. The document and associated definitions for Document A-7 Glossary of Terms had been posted between January 19 and March 5, 2007. The single comment received is being addressed by the TFCO. RCC approval will be sought at the May 23, 2007 meeting.		
	<b>NPCC Inc. Contact:</b>	<b>Paul Roman</b>		



## RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

### TASK FORCE ON COORDINATION OF OPERATION

#### Documents

Item	Name	Assignment	Latest Version:	
B-3	Guidelines for Inter-Area Voltage Control	Procedures and principles are established for occasions where a deficiency or an excess of reactive power can affect bulk power system voltage levels in a large portion of an Area or in two adjacent Areas.	Nov. 6, 1997	3 years June 2005
<b>Status/ Comments:</b>		The CO-8 Working Group converted the Document to a procedure, Document C-40, and posted it for Open Process review from January 17 to March 3, 2007; TFCO has approved the document.		
<b>NPCC Inc. Contact:</b>		Paul Roman		

Item	Name	Assignment	Latest Version:	
B-9	Guide for Rating Generating Capability	Standards for rating and verifying net generating capability are established.	Nov. 5, 1998	3 years June 2005
<b>Status/ Comments:</b>		The Working Group CO-07 is reviewing the subject draft, particularly focusing on addressing the requirements directed through the NERC Standards MOD-024-1, "Verification of Generator Gross and Net Real Power Capability," and MOD-025-1, "Verification of Generator Gross and Net Reactive Power Capability." Document A-13, "Verification of Generator Gross and Net Real Power Capability Criteria" was posted for Open Process review twice, RCC approval is being sought at the March 14, 2007 meeting. Document A-14, "Verification of Generator Gross and Net Reactive Power Capability Criteria" is under development by the CO-7 Working Group.		
<b>NPCC Inc. Contact:</b>		Jim Hartwell		





## RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

### TASK FORCE ON COORDINATION OF OPERATION

#### Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
<b>B-13</b>	Guide for Reporting System Disturbances.	This document establishes requirements and guidelines for reporting the details of a system disturbance to enable assessments and reviews of those disturbances which impact a significant part of one Area or which have inter-Area implications.	<b>Latest Version:</b>	<b>June 25, 1997</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>June 2005</b>
	<b>Status/ Comments:</b> NPCC Document B-13, "Guide for Reporting System Disturbances," is being revised and converted to Procedure Document C-42 by the CO-8 Working Group to incorporate the new reporting of IROL and cyber security violations. The C-42 Document will be finalized by the CO-08 Working Group and be submitted for approval at the TFCO's April 2007 meeting.			
	<b>NPCC Inc. Contact:</b> <b>Paul Roman</b>			



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF OPERATION

### Documents

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>C-8</b>	Monitoring Procedures for Control Performance Guide During Normal Conditions	Procedures are established for the Task Force on Coordination of Operation's monitoring and reporting of conformance of NPCC control performance during normal conditions.	<b>Latest Version:</b>	<b>March 3, 1999</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>January 2005</b>
	<b>Status/ Comments:</b>	No need for any revisions at this time.		
	<b>NPCC Inc. Contact:</b>	<b>Paul Roman</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>C-9</b>	Monitoring Procedures for Operating Reserve Criteria	Procedures are established for the Control Performance Working Group's monitoring and reporting of compliance with the NPCC <i>Operating Reserve Criteria</i> .	<b>Latest Version:</b>	<b>Jan. 29, 2004</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>January 2007</b>
	<b>Status/ Comments:</b>	No need for any revisions at this time.		
	<b>NPCC Inc. Contact:</b>	<b>Paul Roman</b>		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF OPERATION

### Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
C-11	Monitoring Procedures for Interconnected System Frequency Response	Procedures are established for monitoring and reporting the frequency responses to large generation losses.	<b>Latest Version:</b>	<b>March 25, 1998</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Sept. 2005</b>
	<b>Status/ Comments:</b>	No need for any revisions at this time.		
	<b>NPCC Inc. Contact:</b>	<b>Paul Roman</b>		

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
C-12	Procedure for Shared Activation of Ten-Minute Reserve (SAR)	Procedures are established to provide for the shared activation of ten-minute reserve on an Area basis.	<b>Latest Version:</b>	<b>Jan. 29, 2004</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>March 2007</b>
	<b>Status/ Comments:</b>	No need for any revisions at this time.		
	<b>NPCC Inc. Contact:</b>	<b>Paul Roman</b>		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF OPERATION

### Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
C-13	Operational Planning Coordination	Procedures are established to coordinate the exchange of operational data, provide for the notification of planned facility outages among the Areas, and provide for formal communications among the Areas in anticipation of a period of capacity shortage or light load conditions. The document also defines the procedures for the routine NPCC conference call held weekly among the Areas.	<b>Latest Version:</b>	<b>May 15, 1997</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>June 2005</b>
	<b>Status/ Comments:</b>	The CO-8 Working Group is revising the document, and a revised draft will be submitted for approval at the TFCO's April 2007 meeting.		
	<b>NPCC Inc. Contact:</b>	<b>Paul Roman</b>		

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
C-15	Procedures for Solar Magnetic Disturbances on Electrical Power Systems	Procedures are established providing for the reporting channels and information available to the operator during solar alerts and suggesting measures that may be taken to mitigate the impact of a solar magnetic disturbance.	<b>Latest Version:</b>	<b>Jan. 11, 2007</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Jan. 2010</b>
	<b>Status/ Comments:</b>	A new version of the C-15 Document was approved by the TFCO on January 11, 2007.		
	<b>NPCC Inc. Staff Reference:</b>	<b>Jerry Mosier NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF OPERATION

### Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
C-20	Procedures During Abnormal Operating Conditions	This Procedure complements the Emergency Operation Criteria by establishing specific instructions for the System Operator during emergency conditions in a NPCC Area or Areas.	<b>Latest Version:</b>	<b>May 19, 2005</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>June 2008</b>
	<b>Status/ Comments:</b>	No need for revisions at this time.		
	<b>NPCC Inc. Contact:</b>	Paul Roman		

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
C-36	Procedures for Communications During Emergencies	These Procedures direct NPCC's implementation of the NERC Interregional Emergency Telephone Network. The NERC Interregional Emergency Telephone Network is utilized to convey to other reliability authorities in North America system conditions that could threaten the reliability of the interconnected bulk power supply system or the imminent shedding of firm load.	<b>Latest Version:</b>	<b>Aug. 28, 2005</b>
			<b>Frequency of Reviews:</b>	<b>1 year</b>
			<b>Next Review Date:</b>	<b>Jan. 2008</b>
	<b>Status/ Comments:</b>	No need for revisions at this time.		
	<b>NPCC Inc. Contact:</b>	Paul Roman		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF OPERATION

### Documents

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>TFCO</b>	Task Force Scope	The overall charge to the TFCO, together with the scope of activities, is given to the Task Force through its scope.	<b>Latest Version:</b>	<b>Nov. 29, 2005</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Nov. 2008</b>
	<b>Status/ Comments:</b>	The TFCO Scope was approved in 2005. No need for revisions at this time.		
	<b>NPCC Inc. Contact:</b>	<b>Jerry Mosier</b>		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF OPERATION

### Surveys/Reviews

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>FNL</b>	Survey of NPCC Facilities Notification List	An annual list of NPCC transmission facilities is established based on the criterion that, if removed from service, the transmission facility may directly or indirectly impact the reliability of another Area or other Areas.	<b>Latest Version:</b>	<b>Sept. 2005</b>
			<b>Frequency of Reviews:</b>	<b>1 year</b>
			<b>Next Review Date:</b>	<b>Jan. 2006</b>
	<b>Status/ Comments:</b>	The annual revision will be done by the TFCO in April.		
	<b>NPCC Inc. Contact:</b>	<b>Paul Roman</b>		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF PLANNING Working Groups/Ad Hoc Assignments

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Completion Date:</u>
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.	December 2007
<b>Status/ Comments:</b>		The scope of work and schedule for the NPCC 2007 Summer Multi-Area Probabilistic Assessment was approved by the RCC at their November 2006 meeting. Also approved at the November 2006 RCC meeting: 1) the New York Comprehensive Review of Resource Adequacy; 2) the Ontario Comprehensive Review of Resource Adequacy; 3) the New England Interim Review of Resource Adequacy; 4) the NPCC Interregional Long Range Adequacy Overview; and, 5) the NPCC Multi-Area Probabilistic Reliability Assessment for Winter 2006/07. The Quebec Interim Review of Resource Adequacy and the Maritimes Area Interim Review of Resource Adequacy were approved by the TFCP in February 2007, and will be submitted for RCC approval at their March 2007 meeting.	
<b>NPCC Inc. Contact:</b>		<b>Phil Fedora</b>	
<b>Reference:</b>		<b>NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>	

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Completion Date:</u>
CP- 2007S	Summer 2007 Multi-Area Probabilistic Reliability Assessment	Assess NPCC Inc. Area reliability for the year 2007 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.	May 2007
<b>Status/ Comments:</b>		The Scope of Work and Schedule for the Summer 2007 Multi-Area Probabilistic Reliability Assessment was approved by the RCC at their November 2006 meeting; assumptions for the assessment were prepared by the CP-8 Working Group and approved by the TFCP in January 2007. Preliminary results were developed and presented to the TFCP in February 2007; a presentation of the preliminary results is planned for the March 14, 2007 RCC meeting. The study is on-schedule for an April 2007 completion, with a Media release planned for May 4, 2007.	
<b>NPCC Inc. Contact:</b>		<b>Phil Fedora</b>	
<b>Reference:</b>		<b>NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>	





## RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

### TASK FORCE ON COORDINATION OF PLANNING Working Groups/Ad Hoc Assignments

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Completion Date:</u>
CP- 2007W	Winter 2007-08 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 2007 through March 2008) period.	Nov. 2007
	<b>Status/ Comments:</b>	Work is scheduled to start on the NPCC Inc. Multi-Area Probabilistic Reliability Assessment in September 2007.	
	<b>NPCC Inc. Contact Reference:</b>	<b>Phil Fedora NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>	

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Completion Date:</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 for today's system and for the near term.	Dec. 2007
	<b>Status/ Comments:</b>	Work is scheduled to start on the Review of Interconnection Assistance Reliability Benefits study in March 2007.	
	<b>NPCC Inc. Contact Reference:</b>	<b>Phil Fedora NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>	



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF PLANNING Working Groups/Ad Hoc Assignments

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Completion Date:</u>
CP-9	Review of NERC Reliability Standards Working Group	Review the Standards Authorization Requests and Reliability Standards as well as participate in the NERC process. Educate and inform NPCC Inc./CBRE Membership of developments, Develop ballot recommendations. Develop Regional Standards Process.	Dec. 2007
<b>Status/ Comments:</b>		The CP-9 Working Group is focusing on the review of the Version 1 and 2 NERC Reliability Standards (as they are developed). CP-9 is currently reviewing the FERC 890 Ruling on open access as it pertains to ATC TTC. The CP-9 Working Group is developing recommendations for the membership on ballots as they transpire. CP-9 has also commented on increased reporting requirements proposed by the DOE/Energy Information Administration 411 and 860 Forms. CP-9 also developed a process to coordinate commenting and participating in adjacent Regions' criteria development, as well as promoting NPCC criteria in adjacent regions. CP9 has developed a CBRE Regional Reliability Standards Development Process which has been filed with the FERC as part of the Regional Delegation Agreement. Upon acceptance of this by FERC, the CP-9 Working Group will be involved with implementation until such time as the NPCC CBRE Regional Standards Committee is in place.	
<b>NPCC Inc. Contact:</b>		Guy Zito	
<b>Reference:</b>		NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE	



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF PLANNING Working Groups/Ad Hoc Assignments

<b>Item</b>	<b>Name</b>	<b>Assignment</b>	
CP-11	<i>NPCC Inc. 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.	<b>Completion Date:</b> Dec. 2007
	<b>Status/ Comments:</b>	The CP-11 Working Group met on February 12, 2007 to review the comments received during the last posting and to develop a final draft of the A-10 Criteria Classification of Bulk Power System Elements. The CP-11 Working Group will be finalizing a revised draft incorporating the comments and submitting it to the Task Forces for their final review and approval. The CP-11 Working Group plans to receive RCC approval at the May 2007 meeting and pursue member approval shortly thereafter.	
	<b>NPCC Inc. Contact: Reference:</b>	<b>Guy Zito NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>	



## RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

### TASK FORCE ON COORDINATION OF PLANNING

#### Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
A-1	Criteria for Review and Approval of Documents	Criteria outlines the review and approval procedures for all NPCC documents.	<b>Latest Version:</b>	<b>March 2005</b>
	<b>Status/ Comments:</b>	The TFCP prepared revisions to this document in 2004, and it has received final member approval.	<b>Frequency of Reviews:</b>	<b>4 years</b>
	<b>NPCC Inc. Contact:</b>	<b>Guy Zito</b>	<b>Next Review Date:</b>	<b>March 2009</b>
			<b>Completion Date:</b>	<b>Dec. 2009</b>
<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
A-2	Basic Criteria for Design and Operation of Interconnected Power Systems	Criteria are established for proper design and operation concerning Resource Adequacy and Transmission Capability.	<b>Latest Version:</b>	<b>May 6, 2004</b>
	<b>Status/ Comments:</b>	NPCC will begin an early review of this document sometime in 2007.	<b>Frequency of Reviews:</b>	<b>4 years</b>
	<b>NPCC Inc. Contact:</b>	<b>Guy Zito</b>	<b>Next Review Date:</b>	<b>Nov. 2007</b>
			<b>Completion Date:</b>	<b>May 2008</b>



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF PLANNING

### Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
A-7	NPCC Glossary of Terms	The NPCC Glossary of Terms (the Glossary) includes terms from NPCC Criteria (A), Guideline (B) and Procedure (C) Documents, as well as the North American Electric Reliability Council (NERC) Glossary of Terms, August 1996.	<b>Latest Version:</b>	<b>Feb. 6, 2006</b>
			<b>Frequency of Reviews:</b>	<b>1 year</b>
			<b>Next Review Date:</b>	<b>Dec. 2007</b>
	<b>Status/ Comments:</b>	This document is currently being reviewed by the CP-11 Working Group. It is expected that the revised glossary will be sent to the RCC for approval in 2007.		
	<b>NPCC Inc. Contact:</b>	<b>Guy Zito</b>		

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
B-8	Guidelines for Area Review of Resource Adequacy	Guidelines to help TFCP ascertain that each Area's resource plan is in accordance with the NPCC "Basic Criteria for Design and Operation of Interconnected Power Systems."	<b>Latest Version:</b>	<b>Nov. 29, 2005</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>June 2008</b>
			<b>Completion Date:</b>	<b>Dec. 2008</b>
	<b>Status/ Comments:</b>	As a result of TFCP's efforts to increase NPCC study efficiency, CP-8 will begin another revision of this document to address the issues identified by the TFCP.		
	<b>NPCC Inc. Contact:</b>	<b>Phil Fedora</b>		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF PLANNING

### Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
C-16	Procedure for NPCC Review of New or Modified Bulk Power System Special Protection Systems	This document outlines procedures for reporting new or modified Bulk Power System Special Protection Systems.	<b>Latest Version:</b>	<b>Aug. 10, 2005</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Aug. 2008</b>
			<b>Completion Date:</b>	<b>Dec. 2008</b>
	<b>Status/ Comments:</b>	The TFCP has approved a revision to the document.		
	<b>NPCC Inc. Contact:</b>	Reza Rizvi		

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
TFCP	Task Force Scope	The Task Force on Coordination of Planning scope of activities.	<b>Latest Version:</b>	<b>Sept. 7, 2005</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Aug. 2008</b>
	<b>Status/ Comments:</b>	The RCC approved a new scope in September 2005.		
	<b>NPCC Contact:</b>	Reza Rizvi		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF PLANNING

### Surveys/Reviews

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>MARA</b>	Resource Adequacy — Coordination and Review of Area Studies	Review of the Maritime Area resource adequacy study.	<b>Latest Version:</b>	<b>Dec. 2004</b>
			<b>Frequency of Next Review Date:</b>	<b>3 years 2007</b>
	<b>Status/ Comments:</b> The 2004 Maritimes Area Triennial Review of Resource Adequacy was approved at the March 2005 RCC meeting. The Maritimes 2006 Interim Review of Resource Adequacy is scheduled for approval at the March 2007 RCC meeting.			
	<b>NPCC Inc. Contact:</b> <b>Phil Fedora</b>			

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>NERA</b>	Resource Adequacy — Coordination and Review of Area Studies	Review of the New England Area resource adequacy study.	<b>Latest Version:</b>	<b>Nov. 2005</b>
			<b>Frequency of Reviews: Next Review Date:</b>	<b>3 years 2008</b>
	<b>Status/ Comments:</b> New England's 2005 Triennial Resource Adequacy was approved at the November 29-30, 2005 RCC meeting. The New England 2006 Interim Review of Resource Adequacy was approved at the November 2006 RCC meeting.			
	<b>NPCC Contact:</b> <b>Phil Fedora</b>			



## RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

### TASK FORCE ON COORDINATION OF PLANNING Surveys/Reviews

Item	Name	Assignment		
NYRA	Resource Adequacy — Coordination and Review of Area Studies	Review of the New York Area resource adequacy study.	<b>Latest Version:</b>	<b>Nov. 2006</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>2009</b>
	<b>Status/ Comments:</b>	As requested by the RCC, an updated New York 2006 Comprehensive Resource Adequacy Review was presented and approved at the November 2006 RCC meeting.		
	<b>NPCC Inc. Contact:</b>	<b>Phil Fedora</b>		

Item	Name	Assignment		
QARA	Resource Adequacy — Coordination and Review of Area Studies	Review of the Québec Area resource adequacy study.	<b>Latest Version:</b>	<b>Dec. 2005</b>
			<b>Frequency of reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>2008</b>
	<b>Status/ Comments:</b>	Quebec’s 2006 Interim Review of Resource Adequacy has been submitted for approval at the March 2007 RCC meeting.		
	<b>NPCC Inc. Contact:</b>	<b>Phil Fedora</b>		





## RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

### TASK FORCE ON COORDINATION OF PLANNING Surveys/Reviews

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>ONRA</b>	Resource Adequacy — Coordination and Review of Area Studies	Review of the Ontario Area resource adequacy study.	<b>Latest Version:</b>	<b>Nov. 2006</b>
			<b>Frequency of Next Review Date:</b>	<b>3 years 2009</b>
	<b>Status/ Comments:</b>	Ontario's 2006 Comprehensive Resource Adequacy Review was presented and approved at the November 2006 RCC meeting.		
	<b>NPCC Inc. Contact:</b>	<b>Phil Fedora</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>SPS</b>	Special Protection System List	This document lists Special Protection Systems on the System.	<b>Latest Version:</b>	<b>Nov. 2006</b>
			<b>Frequency of Next Review Date:</b>	<b>1 year June 2007</b>
	<b>Status/ Comments:</b>	The SPS list was presented to the RCC at its November 2006 meeting.		
	<b>NPCC Contact:</b>	<b>Reza Rizvi</b>		



## RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

### TASK FORCE ON INFRASTRUCTURE SECURITY AND TECHNOLOGY

#### Working Groups/Ad Hoc Assignments

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.
		<b>Last Workshop:</b> June 2006
	<b>Status/ Comments:</b>	TFIST held a Cyber Security Workshop on June 7-8 2006 in Toronto. The focus was the NERC Cyber Security Standards.
	<b>NPCC Inc. Contact Reference:</b>	<b>Brian Hogue NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>

Item	Name	Assignment
IST-2	TFIST Telecommunication Working Group	Provide a forum to identify, discuss and advance the technology of Telecommunications Infrastructure for the reliable operation of the NPCC Inc. Bulk Power System. The Telecommunications Working Group (IST-2) will also support TFIST in their work on issues related to Telecommunications.
		<b>Completion Date:</b> December 2007
	<b>Status/ Comments:</b>	While responding to the Inter-Control Area Restoration Working Group (CO-11), the Telecommunications Working Group (IST-2) discovered that telecommunications do not retain their priority status across the international border. IST-2 is investigating alternative shorter term solutions, and seeking assistance on longer term solutions with coordination from the TFCO and the appropriate governmental/regulatory officials.
	<b>NPCC Inc. Contact Reference:</b>	<b>Brian Hogue NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>



## RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

### TASK FORCE ON INFRASTRUCTURE SECURITY AND TECHNOLOGY

#### Working Groups/Ad Hoc Assignments

Item	Name	Assignment	Completion Date:
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.	December 2007
<b>Status/ Comments:</b>		The EMS-SCADA Working Group held its initial meeting. They have responded to a question from CO-11, Inter-Control Area Restoration Working Group regarding control center and telecommunication center facilities.	
<b>NPCC Inc. Contact Reference:</b>		<b>Brian Hogue NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>	

Item	Name	Assignment	Completion Date:
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.	December 2007
<b>Status/ Comments:</b>		The Cyber Security Working Group is in the process of being formed. The 2007-2008 TFIST Work Plan has defined the following possible action items for this Working Group: 1) support the CO-10 Working Group on their real-time operating tools project; 2) monitor the Homeland Security Information Network (HSIN) and share information with the CO-8 Working Group; and, 3) write a Regional Risk Methodology Guide to assist in the determination of NERC CIP0002 Requirement R1 - Critical Assets.	
<b>NPCC Inc. Contact Reference:</b>		<b>Brian Hogue NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>	



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON INFRASTRUCTURE SECURITY AND TECHNOLOGY

### Working Groups/Ad Hoc Assignments

<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	<b>Completion Date:</b> December 2007 related to Physical Security.
	<b>Status/ Comments:</b>	The Physical Security Working Group is in the process of being formed. The 2007-2008 TFIST Work Plan has defined the following possible action items for this Working Group: 1) review infrastructure security & technologies and provide recommendations to the RCC to enhance physical and cyber security compliance with NERC guidelines/standards; and, 2) develop a list of concerns and issues unaddressed by existing NERC Standards and NPCC Inc. Criteria which affect infrastructure security and reliability.	
	<b>NPCC Inc. Contact: Reference:</b>	<b>Brian Hogue NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>	



## RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

### TASK FORCE ON INFRASTRUCTURE SECURITY AND TECHNOLOGY

#### Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
<b>B-12</b>	Guidelines for On-Line Computer System Performance During Disturbances	This document establishes guidelines for the performance of NPCC Area on-line computer systems during a power system disturbance.	<b>Latest Version:</b>	<b>Nov. 2001</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Sept. 2005</b>
	<b>Status/ Comments:</b> This document is being eliminated with the content becoming part of a re-written C-17 document. This work is being done by the CO-10 Working Group and is being coordinated with the TFIST (see C-17 status below).			
	<b>NPCC Inc. Contact:</b> Paul Roman			

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
<b>C-17</b>	Monitoring Procedures for Guidelines for On-Line Computer System performance during disturbances	This document establishes monitoring and reporting procedures for the B-12 Guideline, and specifically details on-line computer response objectives.	<b>Latest Version:</b>	<b>Sept. 2001</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Sept. 2005</b>
	<b>Status/ Comments:</b> The re-written C-17 Document had gone through an NPCC Open Process review with a comment closing date of November 24, 2006. Many comments were received which has required the CO-10 Working Group to make major changes to the document. It is expected that the revised document will be reposted for Open Process review during March 2007.			
	<b>NPCC Inc. Contact:</b> Paul Roman			



## RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

### TASK FORCE ON INFRASTRUCTURE SECURITY AND TECHNOLOGY

#### Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
TFIST	Task Force Scope	This document outlines the Task Force on Infrastructure Security and Technology scope of activities.	<b>Latest Review</b>	<b>Sept. 2005</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Sept. 2008</b>
	<b>Status/ Comments:</b>	An updated TFIST Scope was approved at the September 2005 RCC meeting.		
	<b>NPCC Inc. Contact:</b>	<b>Brian Hogue</b>		



## RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

### TASK FORCE ON INFRASTRUCTURE SECURITY AND TECHNOLOGY

#### Surveys/Reviews

Item	Name	Assignment		
<b>RAD</b>	Review of NPCC Area disturbances	Review of infrastructure security performance during disturbances.	<b>Latest Review</b>	<b>Sept. 2006</b>
			<b>Frequency of Reviews:</b>	<b>As required</b>
	<b>Status/ Comments:</b>	TFIST reviews those major system disturbances as distributed by the TFCO with respect to infrastructure security.		
	<b>NPCC Inc. Contact:</b>	<b>Brian Hogue</b>		

Item	Name	Assignment		
<b>ROC</b>	Review On-Line Computer System Status Reports	Review of member on-line computer system statuses and plans, as required by Document B-12.	<b>Latest Review:</b>	<b>March 2004</b>
			<b>Frequency of Reviews:</b>	<b>As needed</b>
	<b>Status/ Comments:</b>	The TFIST will be determining the need to review these reports. No need to review unless it affects security/reliability.		
	<b>NPCC Inc. Contact:</b>	<b>Brian Hogue</b>		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM PROTECTION Working Groups/Ad Hoc Assignments

Item	Name	Assignment	Latest Version:	
PSMP	Protection System Maintenance Practices	As required to support analysis, collect Bulk Power system protection system maintenance data to evaluate protection system maintenance costs and the impact on Bulk Power System performance due to alternative methods and intervals for protection system maintenance.		Jan. 2007
			Frequency of Reviews:	3 months
	<b>Status/ Comments:</b>	The TFSP will initiate when conditions warrant.		
	<b>NPCC Contact:</b>	Quoc Le		

Item	Name	Assignment	Completion Date:	
SEDRWG (SP-6)	Synchronized Event Data Reporting Working Group	Investigate the area of synchronized event reporting and make recommendations for improvements to NPCC criteria and other NPCC documents so that NPCC might better be able to quickly establish the sequence of events after any future wide area disturbance.		December 2007
	<b>Status/ Comments:</b>	NPCC Guide to Time Synchronization of Substation Equipment was approved at the November 2006 RCC meeting SEDRWG has developed the requirements in the proposed new NPCC Inc. Disturbance Monitoring Equipment Criteria, Document A-15 that addresses the NERC Standard PRC-002. Draft A-15 was posted in the NPCC Open Process Review for comments through March 12, 2007. SP-6 is also planning to conduct another Disturbance Monitoring Equipment Survey in 2007.		
	<b>NPCC Inc. Contact:</b>	Quoc Le		
	<b>Reference:</b>	NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE		





# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM PROTECTION

### Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
A-4	Maintenance Criteria for Bulk Power System Protection	This document establishes the maintenance interval and practices which should result in dependable and secure protection system operation.	<b>Latest Version:</b>	<b>Aug. 2004</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Dec. 2007</b>
	<b>Status/ Comments:</b>	The next review of A-4 will be initiated in the first quarter of 2007.		
	<b>NPCC Inc. Contact:</b>	<b>Quoc Le</b>		

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
A-5	Bulk Power System Protection Criteria	This document establishes the minimum design objectives and recommends design practices to minimize the severity and extent of system disturbances and to minimize possible damage to system equipment.	<b>Latest Version:</b>	<b>Jan. 30, 2006</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Nov. 2006</b>
	<b>Status/ Comments:</b>	TFSP has completed A-5 review separating non-criteria language from criteria language. Revised A-5 will be submitted for approval at the March 2007 RCC meeting.		
	<b>NPCC Inc. Contact:</b>	<b>Quoc Le</b>		



## RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

### TASK FORCE ON SYSTEM PROTECTION

#### Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
A-11	Special Protection System Criteria	This document 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.	<b>Latest Version:</b>	<b>Nov. 14, 2002</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Nov. 2006</b>
	<b>Status/ Comments:</b>	TFSP is currently reviewing Document A-11 and will propose changes similar to A-5.		
	<b>NPCC Inc. Contact:</b>	Quoc Le		

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
B-1	Guide for the Application of Autoreclosing to the Bulk Power System	This document establishes guidelines for automatic reclosing to facilitate restoration of the system to normal following automatic tripping of transmission facilities.	<b>Latest Version:</b>	<b>March 9, 2005</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Nov. 2008</b>
	<b>Status/ Comments:</b>	The next review is scheduled for 2008.		
	<b>NPCC Inc. Contact:</b>	Quoc Le		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM PROTECTION Documents

Item	Name	Assignment		
B-7	Automatic Underfrequency Load Shedding Program Relaying Guideline	This guideline establishes requirements for application and testing of underfrequency threshold relays that are necessary to accomplish the objectives of the NPCC automatic underfrequency load shedding program established in the Emergency Operation Criteria (Document A-3).	<b>Latest Version:</b>	<b>March 9, 2005</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Nov. 2008</b>
	<b>Status/ Comments:</b>	The next review is scheduled for 2008.		
	<b>NPCC Inc. Contact:</b>	Quoc Le		

Item	Name	Assignment		
B-21	Guide for Analysis and Reporting of Protection System Misoperations	This document defines the analysis and reporting requirements for misoperations of protection systems and special protection systems on the bulk power systems within each of the NPCC Areas.	<b>Latest Version:</b>	<b>July 14, 2004</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>July 2007</b>
	<b>Status/ Comments:</b>	B-21 is under review.		
	<b>NPCC Inc. Contact:</b>	Quoc Le		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM PROTECTION

### Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
B-23	<b>Guide for Maintenance of</b> Microprocessor-based Protection Relays	<b>This document provides guidance for the maintenance of</b> microprocessor-based relays.	<b>Latest Version:</b>	<b>July 14, 2004</b>
			<b>Frequency of Reviews:</b>	<b>3 Years</b>
			<b>Next Review Date:</b>	<b>July 2007</b>
	<b>Status/ Comments:</b>	The next B-23 Review will be initiated in March 2007.		
	<b>NPCC Inc. Contact:</b>	Quoc Le		

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
B-24	Security Guidelines for Protection Systems IEDS	This document provides guidance for member systems in designing and applying remote access for protective relays and associated equipment that have remote access capability.	<b>Latest Version:</b>	<b>July 14, 2004</b>
			<b>Frequency of Reviews:</b>	<b>3 Years</b>
			<b>Next Review Date:</b>	<b>July 2007</b>
	<b>Status/ Comments:</b>	The next B-24 Review will be initiated in March 2007.		
	<b>NPCC Inc. Contact:</b>	Quoc Le		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM PROTECTION

### Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
C-22	Procedure for Reporting and Reviewing Proposed Protection Systems for the Bulk Power System	This procedure indicates how new facilities or modifications to existing facilities are to be presented to the TFSP in order to ascertain compliance with the principles of the Protection Criteria.	<b>Latest Version:</b>	<b>June 28, 2005</b>
			<b>Frequency of Reviews:</b>	<b>3 Years</b>
			<b>Next Review Date:</b>	<b>June 2008</b>
	<b>Status/ Comments:</b>	C-22 will be open for review in 2007 to cover changes to A-5 and A-11.		
	<b>NPCC Inc. Contact:</b>	Quoc Le		

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
C-30	Procedure for Task Force on System Protection Review of Disturbances	This document outlines the process the TFSP follows to review and analyze the performance of protection systems following selected major power system events, inside as well as outside NPCC.	<b>Latest Version:</b>	<b>June 28, 2005</b>
			<b>Frequency of Reviews:</b>	<b>3 Years</b>
			<b>Next Review Date:</b>	<b>June 2008</b>
	<b>Status/ Comments:</b>	The next review is scheduled for 2008.		
	<b>NPCC Inc. Contact:</b>	Quoc Le		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM PROTECTION

### Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
TFSP	Task Force Scope	This document outlines the Task Force on System Protection scope of activities.	<b>Latest Version:</b>	<b>March 9, 2005</b>
			<b>Frequency of Reviews:</b>	<b>3 Years</b>
			<b>Next Review Date:</b>	<b>Nov. 2008</b>
	<b>Status/ Comments:</b>	The next review is scheduled for 2008.		
	<b>NPCC Inc. Contact:</b>	<b>Quoc Le</b>		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM PROTECTION Surveys/Reviews

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
RPS	Review protection systems for proposed installations or existing installations undergoing substantial modifications	Review, in accordance with the Procedure for Reporting and Reviewing Proposed Protection Systems for the Bulk Power System (Document C-22) proposed protection systems, including special protection systems, for new major installations as well as existing installations undergoing substantial modifications, before such facilities are constructed or modified and report on the findings with respect to compliance with the NPCC Bulk Power System Protection Criteria (Document A-5) and Special Protection System Criteria (Document A-11).	<b>Latest Version:</b>	<b>Jan. 2007</b>
			<b>Frequency of Reviews:</b>	<b>3 months</b>
	<b>Status/ Comments:</b>	At each meeting, the TFSP discusses protection system changes, including SPS installations and modifications, as proposed by entities within NPCC.		
	<b>NPCC Inc. Contact:</b>	<b>Quoc Le</b>		

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
RPSP	Review protection system performance following major system events or disturbances	In conjunction with other task forces, review and analyze the detailed performance of protection systems following major power system disturbances and events and participate in the preparation of reports, which would include appropriate recommendations.	<b>Latest Version:</b>	<b>Jan. 2007</b>
			<b>Frequency of Reviews:</b>	<b>3 months</b>
	<b>Status/ Comments:</b>	At each meeting, TFSP discusses system disturbances that have been reported to NPCC and/or NERC, and disturbances reported directly by the member systems to determine if any changes are necessary in the NPCC protection criteria.		
	<b>NPCC Inc. Contact:</b>	<b>Quoc Le</b>		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM STUDIES

### Working Groups/Ad Hoc Assignments

<b>Item</b>	<b>Name</b>	<b>Assignment</b>
SS-37	Base Case Development Working Group	On an annual basis, develop a library of solved load flow cases and associated dynamic data.
	<b>Status/ Comments:</b>	Year 2007 development effort is currently underway and on schedule to coordinate with ERAG/MMWG.
	<b>NPCC Inc. Contact:</b>	<b>Donal Kidney</b>
	<b>Reference:</b>	<b>NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>
		<b>Completion Date:</b> Dec. 2007

<b>Item</b>	<b>Name</b>	<b>Assignment</b>
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.
	<b>Status/ Comments:</b>	SS-38 is currently conducting an UFLS study paying close attention to the occurrences of the August 14 blackout. Work on the TFSS Blackout 2003 Study is on-going. TFSS is currently conducting a governor response survey, which will be reviewed by SS-38. Following completion of the UFLS Study, SS-38 will continue follow-up on NPCC Blackout Recommendation Task 5.
	<b>NPCC Inc. Contact:</b>	<b>Donal Kidney</b>
	<b>Reference:</b>	<b>NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>
		<b>Completion Date:</b> Dec. 2007





# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM STUDIES

### Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
<b>B-4</b>	Guidelines for NPCC Area Transmission Reviews	Guidelines to help TFSS ascertain that each Area's transmission expansion plan, based on its proposed generation additions, has been developed in accordance with the NPCC "Basic Criteria for Design and Operation of Interconnected Power Systems."	<b>Latest Version:</b>	<b>Sept. 2005</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Sept. 2008</b>
	<b>Status/ Comments:</b>	Updated document approved at the September 2005 RCC meeting. Not due for review.		
	<b>NPCC Inc. Contact:</b>	<b>Donal Kidney</b>		

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
<b>B-10</b>	Guidelines for Requesting Exclusions to Section 5.1 (B) and 6.1 (B) of the NPCC "Basic Criteria for Design and Operations of Interconnected Power Systems"	Establishes procedures for requesting exclusion from certain contingencies in the Basic Criteria.  Note: Member Representatives shall be advised of approvals by the Reliability Coordinating Committee of applications for exclusions.	<b>Latest Version:</b>	<b>Sept. 30 2005</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Nov. 2008</b>
	<b>Status/ Comments:</b>	Not due for review until 2008.		
	<b>NPCC Inc. Contact:</b>	<b>Donal Kidney</b>		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM STUDIES

### Documents

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>C-18</b>	Procedure for Testing and Analysis of Extreme Contingencies	This document establishes a procedure for the testing and analysis of Extreme Contingencies.	<b>Latest Version:</b>	<b>July 2003</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Jan. 2006</b>
	<b>Status/ Comments:</b>	This document is posted in NPCC open Process until January 11, 2007. TFSS is currently addressing the comments received.		
	<b>NPCC Inc. Contact:</b>	<b>Donal Kidney</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>C-25</b>	Procedure to Collect Real Time Data for Inter-Area Dynamic Analysis	This document establishes a procedure for the collection of real time data following a power system disturbance for the purpose of analyzing the dynamic performance of the NPCC bulk power system.	<b>Latest Version:</b>	<b>May 2002</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>June 2005</b>
	<b>Status/ Comments:</b>	TFSS is currently reviewing the document.		
	<b>NPCC Inc. Contact:</b>	<b>Donal Kidney</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>TFSS</b>	Task Force Scope	The Task Force on System Studies scope of activities.	<b>Latest Version:</b>	<b>March 2003</b>
			<b>Frequency of</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>Jan. 2006</b>
	<b>Status/ Comments:</b>	Approval of the revised TFSS Scope is scheduled for the March 14, 2007 RCC meeting.		
	<b>NPCC Inc. Contact:</b>	<b>Donal Kidney</b>		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM STUDIES

### Surveys/Reviews

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
<b>ALSP</b>	Adequacy of Automatic Load Shedding Programs	Assessment of the adequacy and suitability of existing underfrequency load shedding settings.	<b>Latest Version:</b>	<b>Aug. 31, 2004</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Completion Date:</b>	<b>March 2007</b>

**Status/ Comments:** The UVLS Study is currently being conducted; completion anticipated by May 2007.

**NPCC Inc. Contact:** Donal Kidney

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
<b>DARD</b>	Review of Dynamic Analysis Recording Devices	This review summarizes the characteristics of recording devices used to capture power system dynamic phenomena.	<b>Latest Version:</b>	<b>June 4, 1999</b>
			<b>Frequency of Reviews:</b>	<b>3 years</b>
			<b>Next Review Date:</b>	<b>June 2004</b>

**Status/ Comments:** The SS-38 Working Group is currently conducting the Survey.

**NPCC Inc. Contact:** Donal Kidney



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM STUDIES Surveys/Reviews

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>MATR</b>	Maritimes Area Transmission Review	Review of Maritimes Area (New Brunswick and Nova Scotia) future transmission plans (4-6 years out).	<b>Latest Version:</b>	<b>Nov. 2005</b>
			<b>Frequency of Reviews:</b>	<b>1 year</b>
			<b>Next Review Date:</b>	<b>Nov. 2006</b>

**Status/ Comments:** 2005 Interim Review approved at the November 29-30, 2005 RCC meeting. The 2006 comprehensive review is planned for presentation and approval at the May 2007 RCC meeting. The 2007 level of study will be presented at the March 2007 TFSS meeting.

**NPCC Inc. Contact:** Donal Kidney

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>NETR</b>	New England Area Transmission Review	Review of New England Area future transmission plans (4-6 years out).	<b>Latest Version:</b>	<b>Nov. 2005</b>
			<b>Frequency of Reviews:</b>	<b>1 year</b>
			<b>Next Review Date:</b>	<b>Nov. 2006</b>

**Status/ Comments:** 2006 Interim Review approved by the TFSS at its November 16-17, 2006 meeting. The 2007 level of study will be presented at the March 2007 TFSS meeting.

**NPCC Inc. Contact:** Donal Kidney



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM STUDIES Surveys/Reviews

Item	Name	Assignment	Latest Version:	
NYTR	New York Area Transmission Review	Review of New York Area future transmission plans (4-6 years out).		
			<b>Latest Version:</b>	<b>Nov. 2006</b>
			<b>Frequency of Reviews:</b>	<b>1 year</b>
			<b>Next Review Date:</b>	<b>Nov. 2007</b>
	<b>Status/ Comments:</b>	The RCC approved the New York Comprehensive Area Transmission Review at its November 2006 meeting; a New York 2006 Interim review is scheduled for RCC approval at its March 14, 2007 meeting. The 2007 level of study will be presented at the March 2007 TFSS meeting.		
	<b>NPCC Inc. Contact:</b>	<b>Donal Kidney</b>		

Item	Name	Assignment	Latest Version:	
ONTR	Area Transmission Review	Review of Ontario Area future transmission plans (4-6 years out).		
			<b>Latest Version:</b>	<b>May 2006</b>
			<b>Frequency of Reviews:</b>	<b>1 year</b>
			<b>Next Review Date:</b>	<b>Dec. 2007</b>
	<b>Status/ Comments:</b>	The 2006 Ontario Intermediate Review was approved at the May 2006 RCC meeting. The 2007 level of study will be presented at the March 2007 TFSS meeting.		
	<b>NPCC Inc. Contact:</b>	<b>Donal Kidney</b>		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM STUDIES Surveys/Reviews

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>QATR</b>	Québec Area Transmission Review	Review of Québec Area future transmission plans (4-6 years out).	<b>Latest Version:</b>	<b>Nov. 2006</b>
			<b>Frequency of Reviews:</b> <b>Next Review Date:</b>	<b>1 year</b> <b>Dec. 2007</b>
	<b>Status/ Comments:</b>	2006 Interim Review approved at the November 16-17, 2006 TFSS meeting. The 2007 level of study will be presented at the March 2007 TFSS meeting.		
	<b>NPCC Inc. Contact:</b>	<b>Donal Kidney</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>TRS</b>	Overall Transmission Reliability Study	Evaluate the need to perform an overall assessment to evaluate the thermal, and dynamic performance of the NPCC Region. If necessary perform this assessment including the calculation of Inter-Area transfer capabilities and Extreme contingency performance.	<b>Latest Version:</b>	<b>Nov. 2005</b>
			<b>Frequency of Reviews:</b> <b>Completion Date:</b>	<b>3 years</b> <b>Nov. 2008</b>
	<b>Status/ Comments:</b>	The Overall Transmission Reliability Study was approved at the November 29-30, 2005 RCC meeting. The next study is due in 2008.		
	<b>NPCC Inc. Staff:</b> <b>Reference:</b>	<b>Donal Kidney</b> <b>TFSS Workplan</b>		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## RFC - NPCC Study Committees

<b>Item</b>	<b>Name</b>	<b>Assignment</b>	<b>Completion Date:</b>
<b>ERAG</b>	Eastern Interconnection Reliability Assessment Group	A new Eastern Interconnection Reliability Assessment Group that reports to a Management Committee has been formed to oversee all Eastern Interconnection study activities and other interregional matters of interest.	<b>Dec. 2007</b>

**Status/ Comments:** The ERAG Management Committee is overseeing the three summer interregional assessments being conducted in the Eastern interconnection. ERAG has also taken over from NERC responsibility for the Multi-Regional Modeling Group (MMWG) base case development effort. A revised base case development process by MMWG for seasonal assessment cases is being developed.

**NPCC Inc. Contact:** Paul Roman



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## RFC - NPCC

### Working Groups/Ad Hoc Assignments

<b>Item</b>	<b>Name</b>	<b>Assignment</b>	<b>Completion Date:</b>
<b>RFC-NPCC</b>	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.	Dec. 2007
	<b>Status/ Comments:</b>	The Eastern Interconnection Reliability Assessment Group (ERAG) Management Committee now oversees all the interregional assessment studies in the eastern and western portions of the Eastern Interconnection, including RFC-NPCC. ERAG also has assumed responsibility for the Multi-regional Modeling Working Group (MMWG) and the inter-regional assessment. Base case development now comes under the MMWG. This change in the process may cause some delay in the initiation of 2007 summer assessment study work. A 2007 summer base case was completed during late February 2007.	
	<b>NPCC Inc. Contacts: Reference:</b>	<b>Donal Kidney/Paul Roman NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>	





## RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

### NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL (NERC)

#### Working Groups/Ad Hoc Assignments

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
CCC	Compliance and Certification Committee	Develop positions related to the NERC Compliance program.	<b>Completion Date:</b>	<b>On-going</b>
	<b>Status/ Comments:</b>	Receiving proposed ERO sanction Guidelines. Discussing the role of CCC in the NERC transition to the ERO and beyond.		
	<b>NPCC Inc. Contact:</b>	Stan Kopman		
<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
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 Councils for the ten year horizon. Conduct semiannual seasonal assessments of the overall reliability of the existing generation and transmission systems of the ten Regional Reliability Councils.	<b>Latest Version:</b>	<b>Nov. 2006</b>
	<b>Status/ Comments:</b>	The "2006 Long-Term Reliability Assessment," looking at the reliability of the North American bulk power system for the next ten-year period, was released on October 16, 2006. The NERC 2006 Winter Reliability Assessment was released through a media release on November 15, 2006.		
		Work on the "2007 Long-Term reliability Assessment," as well as the "2007 Summer Assessment," is in progress, with anticipated release dates of October, 2007, and May 15, 2007, respectively.		
	<b>NPCC Inc. Contact:</b>	Jerry Mosier		



# RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## OTHER

### Working Groups/Ad Hoc Assignments

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Completion Date:</u>
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.	<b>Dec. 2007</b>
<b>Status/ Comments:</b>		The EIA instituted its Form 411 internet based data collection system. NPCC Area’s reporting requirements are being collected, due March 30, 2007 to NERC. The TFCP, at its February 21, 2007 meeting, agreed to a recommendation from its CP-8 Working Group that this activity be coordinated through CP-8.	
<b>NPCC Inc. Contact Reference:</b>		<b>Reza Rizvi NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE</b>	

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Completion Date:</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.	<b>Dec. 2007</b>
<b>Status/ Comments:</b>		The Working Group has developed a Northeastern Planning Protocol document that outlines how Inter-Regional planning will be done. All NPCC Areas and PJM are involved with the effort. NPCC has developed and is maintaining a website for the effort. NPCC also participated in the group’s meeting of PJM and NPCC stakeholders (IPSAC), and presented how NPCC supports wide-Area collaborative planning. A stakeholder meeting is scheduled for March 23, 2007.	
<b>NPCC Inc. Staff:</b>		<b>Phil Fedora</b>	