



NORTHEAST POWER COORDINATING COUNCIL, INC.
NORTHEAST POWER COORDINATING COUNCIL: CROSS-BORDER REGIONAL ENTITY, INC.
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**RCC Meeting
May 23, 2007
Agenda Item 7.10**

**Reliability Assessment Program
(NRAP)
STATUS REPORT**
*Prepared for the
Reliability Coordinating Committee
May 23, 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

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Completion Date:</u>
ARR	Area Restoration Reviews	Document and evaluate Area restoration performance following the August 14 th Blackout, assess extent and effectiveness of regional and interregional coordination and recommend potential Area Restoration Plan and/or NPCC Criteria revisions.	Dec. 2006
Status/ Comments:		The Final Report of the IRCWG (CO-11), assessing the Areas' restoration experiences following the August 14 th 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 May 2007 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.	
NPCC Inc. Contact:		Jerry Mosier	
<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Completion Date(s):</u>
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.	Task 5 On-Going Task 6 On-Going
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 anticipated following completion of the SS-38 UFLS study (to be presented at the May 23, 2007 RCC meeting).	
NPCC Inc. Contact:		Donal Kidney	



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

BLACKOUT 2003 FOLLOW-UP

Working Groups/Ad Hoc Assignments

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
NERC-BOT	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.	Completion Date:	Dec. 2007
	Status/Comments:	Status reports are posted on NPCC public web site.		
	NPCC Inc. Contact:	Phil Fedora		



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.	Latest Version:	Jan. 30, 2006
			Frequency of Reviews:	1 year
			Next Review Date:	Nov. 2006
	Status/ Comments:	CMAS is currently reviewing this document to reflect the changing requirements of the NPCC Compliance Program in 2007. Draft revised A-8 has been submitted for RCC approval at May 23, 2007 meeting.		
	NPCC Inc. Contact:	Quoc Le		

<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.	Latest Version:	June 1, 2005
			Frequency of Reviews:	1 year
			Next Review Date:	Nov. 2006
	Status/ Comments:	CMAS is currently reviewing this document to reflect the changing requirements of the NPCC Compliance Program in 2007. Draft revised B-22 has been submitted for RCC approval at May 23, 2007 meeting.		
	NPCC Inc. Contact:	Quoc Le		



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.	Latest Version:	Nov. 19, 2004
			Frequency of Reviews:	3 years
			Next Review Date:	Nov. 2007
	Status/ Comments:	Revised C-32 was posted in Open Process for comments. No comments received. Revised C-32 will be posted on the NPCC website.		
	NPCC Inc. Contact:	Quoc Le		



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF OPERATION

Working Groups/Ad Hoc Assignments

Item	Name	Assignment	Completion Date:
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
	Status/ Comments:	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. All comments to the public posting have been addressed, and the subsequent draft of A-06, together with the proposed modifications to the definitions of A-07, will be presented to the NPCC Reliability Coordinating Committee at its meeting of May 23, 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
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> <p style="text-align: right;">Next Seminar: Fall 2007</p>
	Status/ Comments:	<p>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.</p> <p>The CO-2 Working Group will have hosted the semiannual Spring NPCC Inc. Operators Seminar, held on May 2 and 3, 2007, in Montréal, Québec.</p>
	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 is now being balloted for approval by the NPCC Inc. membership. 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.

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:
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.	Dec. 2007
	Status/ Comments:	The Working Group has addressed those comments received through public comment through the NPCC Open Process to NPCC Document C-40, "Procedures for Inter-AREA Voltage Control," a conversion of NPCC Document B-03, "Guidelines for Inter-AREA Voltage Control." The Task Force on Coordination of Operation approved Document C-40 as an NPCC Inc. Type C Procedure at its meeting of April 26 and 27, 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	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.	Dec. 2007
	Status/ Comments:	No recent CP-10 Working Group meetings have been held. The CO-10 Working Group is completing its revisions to 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. Since the changes received through the Open Process review were significant, the document will need to be reposted.	
	NPCC Inc. Contact: Reference:	Paul Roman 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

<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.	Completion Date:	Dec. 2007
	Status/ Comments:	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 during a conference call to be held on May 15, 2007.		
	NPCC Inc. Contact:	Jerry Mosier		
	Reference:	NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE		

<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.	Completion Date:	Dec. 2007
	Status/ Comments:	The 2007 Summer Assessment in has been completed by the Working Group and approved by the Reliability Coordinating Committee. The results of the assessment will have been released electronically and presented through a media teleconference on May 4, 2007		
		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.		
	NPCC Inc. Contact:	Paul Roman		
	Reference:	NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE		



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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.	Completion Date: Dec. 2007
	Status/ Comments:	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. Following its addressing of public comments received through its posting via the NPCC Open Process, the Working Group will present the document to the Task Force on Coordination of Operation for approval at its meeting of June 14 and 15, 2007.	
	NPCC Inc. Contact:	Paul Roman/Jim Hartwell	
	Reference:	NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE	



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TASK FORCE ON COORDINATION OF OPERATION

Working Groups/Ad Hoc Assignments

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Completion Date:</u>
LESPWG	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.	Dec. 2007
Status/ Comments:		The group has been dormant and presently has no Chairman. Retirement of the existing LEER process is being considered.	
NPCC Inc. Staff Reference:		Paul Roman NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE	



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TASK FORCE ON COORDINATION OF OPERATION

Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
A-3	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.	Latest Version:	Aug. 31, 2004
			Frequency of Reviews:	3 years
			Next Review Date:	Aug. 2007
	Status/ Comments: Those comments to the most recent draft of Document A-03 received through the NPCC Open Process have been addressed by the Task Force on Coordination of Operation, and the draft will be presented to the Reliability Coordinating Committee at its meeting of May 23, 2007.			
	NPCC Inc. Contact: Paul Roman			

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
A-6	Operating Reserve Criteria	Objectives, principles and requirements are presented that governs the amount, availability and distribution of operation reserve.	Latest Version:	Feb. 6, 2006
			Frequency of Reviews:	3 years
			Next Review Date:	Nov. 2008
	Status/ Comments: The current draft of A-06, revised to allow load to provide synchronized operating reserve, has gone through its posting for public comment through the NPCC Open Process. Comments have been addressed by the Task Force on Coordination of Operation, and the draft will be presented to the Reliability Coordinating Committee at its meeting of May 23, 2007.			
	NPCC Inc. Contact: Paul Roman			



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TASK FORCE ON COORDINATION OF OPERATION

Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Latest Version:</u>	<u>Next Review Date:</u>
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
Status/ Comments: Document B-03 has been retired. The new Type C Procedure, C-40, "Procedures for Inter-AREA Voltage Control," has updated the former Document B-03, "Guidelines for Inter-AREA Voltage Control," and restructured it into a Type C Procedure, providing general principles and guidance for coordinated voltage control among the NPCC Areas. Document C-40 was approved by the Task Force on Coordination of Operation as a new Type C Procedure on April 26, 2007.				
NPCC Inc. Contact: Paul Roman				

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Latest Version:</u>	<u>Next Review Date:</u>
B-9	Guide for Rating Generating Capability	Standards for rating and verifying net generating capability are established.	Nov. 5, 1998	3 years June 2005
Status/ Comments: Document A-13, "Verification of Generator Gross and Net Real Power Capability Criteria" was approved by the Reliability Coordinating Committee at its meeting of March 14, 2007, and is presently being voted upon by the membership. Upon approval by the membership, Document B-09 will be retired.				
NPCC Inc. Contact: Jim Hartwell				



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF OPERATION

Documents

Item	Name	Assignment		
B-13	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.	Latest Version:	June 25, 1997
			Frequency of Reviews:	3 years
			Next Review Date:	June 2005
	Status/ Comments:	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 to the Task Force on Coordination of Operation at its meeting of June 14 and 15, 2007.		
	NPCC Inc. Contact:	Paul Roman		



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF OPERATION

Documents

Item	Name	Assignment		
C-8	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.	Latest Version:	March 3, 1999
			Frequency of Reviews:	3 years
			Next Review Date:	January 2005
	Status/ Comments:	No need for any revisions at this time.		
	NPCC Inc. Contact:	Paul Roman		

Item	Name	Assignment		
C-9	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> .	Latest Version:	Jan. 29, 2004
			Frequency of Reviews:	3 years
			Next Review Date:	January 2007
	Status/ Comments:	No need for any revisions at this time.		
	NPCC Inc. Contact:	Paul Roman		



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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.	Latest Version:	March 25, 1998
			Frequency of Reviews:	3 years
			Next Review Date:	Sept. 2005
	Status/ Comments:	No need for any revisions at this time.		
	NPCC Inc. Contact:	Paul Roman		

<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.	Latest Version:	Jan. 29, 2004
			Frequency of Reviews:	3 years
			Next Review Date:	March 2007
	Status/ Comments:	No need for any revisions at this time.		
	NPCC Inc. Contact:	Paul Roman		



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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.	Latest Version:	May 15, 1997
			Frequency of Reviews:	3 years
			Next Review Date:	June 2005
	Status/ Comments:	The CO-8 Working Group is revising the document, and a revised draft will be submitted for approval at the meeting of the Task Force on Coordination of Operation to be held on June 14 and 15, 2007.		
	NPCC Inc. Contact:	Paul Roman		

<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.	Latest Version:	Jan. 11, 2007
			Frequency of Reviews:	3 years
			Next Review Date:	Jan. 2010
	Status/ Comments:	A new version of the C-15 Document was approved by the TFCO on January 11, 2007.		
	NPCC Inc. Staff:	Jerry Mosier		
	Reference:	NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE		



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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.	Latest Version:	May 19, 2005
			Frequency of Reviews:	3 years
			Next Review Date:	June 2008
	Status/ Comments:	No need for revisions at this time.		
	NPCC Inc. Contact:	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.	Latest Version:	Aug. 28, 2005
			Frequency of Reviews:	1 year
			Next Review Date:	Jan. 2008
	Status/ Comments:	No need for revisions at this time.		
	NPCC Inc. Contact:	Paul Roman		



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TASK FORCE ON COORDINATION OF OPERATION

Documents

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



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF OPERATION

Surveys/Reviews

Item	Name	Assignment		
FNL	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.	Latest Version:	April. 2007
			Frequency of Reviews:	1 year
			Next Review Date:	Jan. 2008
	Status/ Comments:	The annual revision was done by the TFCO in April.		
	NPCC Inc. Contact:	Paul Roman		



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

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

Item	Name	Assignment	Completion Date:
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
	Status/ Comments:	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 approved at the March 2007 RCC meeting.	
	NPCC Inc. Contact Reference:	Phil Fedora NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE	

Item	Name	Assignment	Completion Date:
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
	Status/ Comments:	A presentation of the preliminary results was given at the March 14, 2007 RCC meeting. The report was finalized by the TFCP on April 20, 2007. A summary of the results was given at the April 24, 2007 NPCC CBRE BOD meeting, and presented at the May 4, 2007 Media event.	
	NPCC Inc. Contact Reference:	Phil Fedora NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE	



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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
Status/ Comments:		Work is scheduled to start on the NPCC Inc. Multi-Area Probabilistic Reliability Assessment in September 2007.	
NPCC Inc. Contact Reference:		Phil Fedora NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE	

<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
Status/ Comments:		Work is scheduled to start on the Review of Interconnection Assistance Reliability Benefits study in May 2007.	
NPCC Inc. Contact Reference:		Phil Fedora NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE	



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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

Status/ Comments: 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 Order 693on approved Reliability Standards. 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 RSC Regional Standards Committee is in place. The Scope for the RSC has been approved by the NPCC CBRE BOD at their April 24, 2007 meeting.

NPCC Inc. Contact: Guy Zito
Reference: 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

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Completion Date:</u>
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. In addition, the TFCP charged CP11 with the development of the A-10 Classification of BPS Elements document.	December 2007

Status/ Comments: 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 finalized a revised draft incorporating the comments and submitting it to the Task Forces for their final review and approval. The CP-11 Working Group has received RCC approval by email ballot on April 25, 2007 and Full Member Rep. Committee Approval on April 27, 2007. CP11 will be reposting the A-10 Criteria for some minor refinements and also be working on the A-2 and A-7 documents over the coming months

NPCC Inc. Contact: Guy Zito
Reference: NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE



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.	Latest Version:	March 2005
	Status/ Comments:	The TFCP prepared revisions to this document in 2004, and it has received final member approval.	Frequency of Reviews:	4 years
	NPCC Inc. Contact:	Guy Zito	Next Review Date:	March 2009
			Completion Date:	Dec. 2009
<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.	Latest Version:	May 6, 2004
	Status/ Comments:	NPCC will begin an early review of this document sometime in 2007.	Frequency of Reviews:	4 years
	NPCC Inc. Contact:	Guy Zito	Next Review Date:	Nov. 2007
			Completion Date:	May 2008



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.	Latest Version:	Feb. 6, 2006
			Frequency of Reviews:	1 year
			Next Review Date:	Dec. 2007
	Status/ Comments: 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.			
	NPCC Inc. Contact: Guy Zito			
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<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."	Latest Version:	Nov. 29, 2005
			Frequency of Reviews:	3 years
			Next Review Date:	June 2008
			Completion Date:	Dec. 2008
	Status/ Comments: 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 once identified by the TFCP.			
	NPCC Inc. Contact: Phil Fedora			



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.	Latest Version:	Aug. 10, 2005
			Frequency of Reviews:	3 years
			Next Review Date:	Aug. 2008
			Completion Date:	Dec. 2008
	Status/ Comments:	The TFCP has approved a revision to the document.		
	NPCC Inc. Contact:	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.	Latest Version:	Sept. 7, 2005
			Frequency of Reviews:	3 years
			Next Review Date:	Aug. 2008
	Status/ Comments:	The RCC approved a new scope in September 2005.		
	NPCC Contact:	Reza Rizvi		



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF PLANNING

Surveys/Reviews

Item	Name	Assignment		
MARA	Resource Adequacy — Coordination and Review of Area Studies	Review of the Maritime Area resource adequacy study.	Latest Version:	Dec. 2004
			Frequency of Next Review Date:	3 years 2007
	Status/ Comments: 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 was approved at the March 14, 2007 RCC meeting.			
	NPCC Inc. Contact: Phil Fedora			

Item	Name	Assignment		
NERA	Resource Adequacy — Coordination and Review of Area Studies	Review of the New England Area resource adequacy study.	Latest Version:	Nov. 2005
			Frequency of Reviews: Next Review Date:	3 years 2008
	Status/ Comments: 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.			
	NPCC Contact: Phil Fedora			



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF PLANNING Surveys/Reviews

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

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
QARA	Resource Adequacy — Coordination and Review of Area Studies	Review of the Québec Area resource adequacy study.	Latest Version:	Dec. 2005
			Frequency of reviews:	3 years
			Next Review Date:	2008
	Status/ Comments:	Quebec's 2006 Interim Review of Resource Adequacy was approval at the March 14, 2007 RCC meeting.		
	NPCC Inc. Contact:	Phil Fedora		



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF PLANNING Surveys/Reviews

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

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



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

<u>Item</u>	<u>Name</u>	<u>Assignment</u>
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.
		Completion Date: December 2007
	Status/ Comments:	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.
	NPCC Inc. Contact Reference:	Brian Hogue NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE



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
Status/ Comments:		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.	
NPCC Inc. Contact Reference:		Brian Hogue NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE	

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
Status/ Comments:		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.	
NPCC Inc. Contact Reference:		Brian Hogue NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE	



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	Completion Date: December 2007 related to Physical Security.
	Status/ Comments:	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.	
	NPCC Inc. Contact: Reference:	Brian Hogue NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE	



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON INFRASTRUCTURE SECURITY AND TECHNOLOGY

Documents

Item	Name	Assignment		
B-12	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.	Latest Version:	Nov. 2001
			Frequency of Reviews:	3 years
			Next Review Date:	Sept. 2005
	Status/ Comments:	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).		
	NPCC Inc. Contact:	Paul Roman		

Item	Name	Assignment		
C-17	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.	Latest Version:	Sept. 2001
			Frequency of Reviews:	3 years
			Next Review Date:	Sept. 2005
	Status/ Comments:	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.		
	NPCC Inc. Contact:	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.	Latest Review	Sept. 2005
			Frequency of Reviews:	3 years
			Next Review Date:	Sept. 2008
	Status/ Comments:	An updated TFIST Scope was approved at the September 2005 RCC meeting.		
	NPCC Inc. Contact:	Brian Hogue		



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON INFRASTRUCTURE SECURITY AND TECHNOLOGY

Surveys/Reviews

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

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



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.		
	Status/ Comments:	The TFSP will initiate when conditions warrant.	Frequency of Reviews:	3 months
	NPCC Contact:	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.		
	Status/ Comments:	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. New Document A-15 will be submitted for RCC approval at their May 23, 2007 meeting. SP-6 is also planning to conduct another Disturbance Monitoring Equipment Survey in 2007.	Completion Date:	December 2007
	NPCC Inc. Contact:	Quoc Le		
	Reference:	NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE		



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON SYSTEM PROTECTION

Documents

Item	Name	Assignment		
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.	Latest Version:	Aug. 2004
			Frequency of Reviews:	3 years
			Next Review Date:	Dec. 2007
	Status/ Comments:	TFSP has initiated the review of A-4 in the first quarter of 2007.		
	NPCC Inc. Contact:	Quoc Le		

Item	Name	Assignment		
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.	Latest Version:	May 2007
			Frequency of Reviews:	3 years
			Next Review Date:	May 2010
	Status/ Comments:	TFSP has completed A-5 review separating non-criteria language from criteria language. Revised A-5 was approved by NPCC Inc members and posted on the web.		
	NPCC Inc. Contact:	Quoc Le		



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.	Latest Version:	Nov. 14, 2002
			Frequency of Reviews:	3 years
			Next Review Date:	Nov. 2006
	Status/ Comments:	TFSP is currently reviewing Document A-11 and will propose changes similar to A-5.		
	NPCC Inc. Contact:	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.	Latest Version:	March 9, 2005
			Frequency of Reviews:	3 years
			Next Review Date:	Nov. 2008
	Status/ Comments:	The next review is scheduled for 2008.		
	NPCC Inc. Contact:	Quoc Le		



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON SYSTEM PROTECTION

Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
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).	Latest Version:	March 9, 2005
			Frequency of Reviews:	3 years
			Next Review Date:	Nov. 2008
	Status/ Comments:	The next review is scheduled for 2008, but TFSP will consider initiating B-7 review at the May 30-31 TFSP meeting as per TFCO's request.		
	NPCC Inc. Contact:	Quoc Le		

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
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.	Latest Version:	July 14, 2004
			Frequency of Reviews:	3 years
			Next Review Date:	July 2007
	Status/ Comments:	B-21 is under review.		
	NPCC Inc. Contact:	Quoc Le		



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON SYSTEM PROTECTION

Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
B-23	Guide for Maintenance of Microprocessor-based Protection Relays	This document provides guidance for the maintenance of microprocessor-based relays.	Latest Version:	July 14, 2004
			Frequency of Reviews:	3 Years
			Next Review Date:	July 2007
	Status/ Comments:	The B-23 Review was initiated in March 2007.		
	NPCC Inc. Contact:	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.	Latest Version:	July 14, 2004
			Frequency of Reviews:	3 Years
			Next Review Date:	July 2007
	Status/ Comments:	The B-24 Review was initiated in March 2007.		
	NPCC Inc. Contact:	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.	Latest Version:	June 28, 2005
			Frequency of Reviews:	3 Years
			Next Review Date:	June 2008
	Status/ Comments:	C-22 review was initiated in March 2007 to cover changes to A-5 and A-11.		
	NPCC Inc. Contact:	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.	Latest Version:	June 28, 2005
			Frequency of Reviews:	3 Years
			Next Review Date:	June 2008
	Status/ Comments:	The next review is scheduled for 2008.		
	NPCC Inc. Contact:	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.	Latest Version:	March 9, 2005
			Frequency of Reviews:	3 Years
			Next Review Date:	Nov. 2008
	Status/ Comments:	The next review is scheduled for 2008.		
	NPCC Inc. Contact:	Quoc Le		



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).	Latest Version:	March 2007
			Frequency of Reviews:	3 months
	Status/ Comments:	At each meeting, the TFSP discusses protection system changes, including SPS installations and modifications, as proposed by entities within NPCC.		
	NPCC Inc. Contact:	Quoc Le		

<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.	Latest Version:	March 2007
			Frequency of Reviews:	3 months
	Status/ Comments:	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.		
	NPCC Inc. Contact:	Quoc Le		



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON SYSTEM STUDIES

Working Groups/Ad Hoc Assignments

Item	Name	Assignment		
SS-37	Base Case Development Working Group	On an annual basis, develop a library of solved load flow cases and associated dynamic data.	Completion Date:	Dec. 2007
	Status/ Comments:	Year 2007 development effort is currently underway and on schedule to coordinate with MMWG.		
	NPCC Inc. Contact Reference:	Donal Kidney NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE		
Item	Name	Assignment		
SS-38	Inter-Area Dynamic Analysis Working Group	Assigned to analyze dynamic phenomena, which may affect interconnected system reliability, especially in the area of low frequency oscillations.	Completion Date:	Dec. 2007
	Status/ Comments:	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 an on-going governor response survey; a status report will be provided to the RCC at its May 23, 2007 meeting. The UFLS Final Report will be sent to the RCC for review/approval at their May 23, 2007 meeting. Following completion of the UFLS Study, SS-38 will continue follow-up on NPCC Blackout Recommendation Task 5.		
	NPCC Inc. Contact Reference:	Donal Kidney NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE		



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON SYSTEM STUDIES

Documents

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
B-4	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."	Latest Version:	Sept. 2005
			Frequency of Reviews:	3 years
			Next Review Date:	Sept. 2008
	Status/ Comments:	Updated document approved at the September 2005 RCC meeting. Not due for review.		
	NPCC Inc. Contact:	Donal Kidney		

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
B-10	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.	Latest Version:	Sept. 30 2005
			Frequency of Reviews:	3 years
			Next Review Date:	Nov. 2008
	Status/ Comments:	Not due for review until 2008.		
	NPCC Inc. Contact:	Donal Kidney		



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON SYSTEM STUDIES

Documents

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

Item	Name	Assignment		
C-25	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.	Latest Version:	May 2002
			Frequency of Reviews:	3 years
			Next Review Date:	June 2005
	Status/ Comments:	TFSS is currently reviewing the document.		
	NPCC Inc. Contact:	Donal Kidney		

Item	Name	Assignment		
TFSS	Task Force Scope	The Task Force on System Studies scope of activities.	Latest Version:	March 2007
			Frequency of	3 years
			Next Review Date:	Jan. 2010
	Status/ Comments:	TFSS Scope was approved at the March 14, 2007 RCC meeting.		
	NPCC Inc. Contact:	Donal Kidney		



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON SYSTEM STUDIES

Surveys/Reviews

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

Status/ Comments: The UVLS Study is currently being conducted. The final report will be presented st the May 23rd RCC meeting.

NPCC Inc. Contact: Donal Kidney

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

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

Item	Name	Assignment		
MATR	Maritimes Area Transmission Review	Review of Maritimes Area (New Brunswick and Nova Scotia) future transmission plans (4-6 years out).	Latest Version:	Nov. 2005
			Frequency of Reviews:	1 year
			Next Review Date:	Nov. 2006
	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 23, 2007 RCC meeting. An Interim Review will be conducted in 2007.		
	NPCC Inc. Contact:	Donal Kidney		

Item	Name	Assignment		
NETR	New England Area Transmission Review	Review of New England Area future transmission plans (4-6 years out).	Latest Version:	Nov. 2006
			Frequency of Reviews:	1 year
			Next Review Date:	Nov. 2007
	Status/ Comments:	2006 Interim Review approved by the TFSS at its November 16-17, 2006 meeting. An Interim review will be conducted in 2007.		
	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).		
			Latest Version:	Nov. 2006
			Frequency of Reviews:	1 year
			Next Review Date:	Nov. 2007
	Status/ Comments: The RCC approved the New York Comprehensive Area Transmission Review at its November 2006 meeting; a New York 2006 Interim review was approved by the RCC at its March 14, 2007 meeting. An Interim review will be conducted in 2007			
	NPCC Inc. Contact: Donal Kidney			

Item	Name	Assignment	Latest Version:	
ONTR	Area Transmission Review	Review of Ontario Area future transmission plans (4-6 years out).		
			Latest Version:	May 2006
			Frequency of Reviews:	1 year
			Next Review Date:	Dec. 2007
	Status/ Comments: The 2006 Ontario Intermediate Review was approved at the May 2006 RCC meeting. A Comprehensive review will be conducted in 2007.			
	NPCC Inc. Contact: Donal Kidney			



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON SYSTEM STUDIES Surveys/Reviews

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

Item	Name	Assignment	Latest Version:	
TRS	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.		Nov. 2005
			Frequency of Reviews:	3 years
			Completion Date:	Nov. 2008
	Status/ Comments:	The Overall Transmission Reliability Study was approved at the November 29-30, 2005 RCC meeting. The next study is due in 2008.		
	NPCC Inc. Staff: Reference:	Donal Kidney TFSS Workplan		



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

RFC - NPCC Study Committees

Item	Name	Assignment		
ERAG	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.	Completion Date:	Dec. 2007

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

Item	Name	Assignment	Completion Date:
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.	Dec. 2007
	Status/ Comments:	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. A draft 2007 summer report is under review and will be finalized by the end of May.	
	NPCC Inc. Contacts: Reference:	Donal Kidney/Paul Roman NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE	



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL (NERC)

Working Groups/Ad Hoc Assignments

Item	Name	Assignment	Completion Date:
CCC	Compliance and Certification Committee	Develop positions related to the NERC Compliance program.	On-going
Status/ Comments:		Receiving proposed ERO sanction Guidelines. Discussing the role of CCC in the NERC transition to the ERO and beyond.	
NPCC Inc. Contact:		Stan Kopman	

Item	Name	Assignment	Latest Version:	Frequency of Reviews:	Completion Date:
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.	Nov. 2006	six months	May 2007
Status/ Comments:		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.			
NPCC Inc. Contact:		Jerry Mosier			



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OTHER

Working Groups/Ad Hoc Assignments

Item	Name	Assignment	Completion Date:
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.	December 2007

Status/ Comments: 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.

All NPCC Area’s (New York, New England, Ontario, Quebec, New Brunswick, Nova Scotia, and Prince Edward Island) have completed and submitted the necessary data request for the EIA 411 effort. The data was reviewed by NPCC to ensure completeness before it was forwarded to NERC. All the submissions were made on or before the March 30 due date. NPCC will have to respond to any issues discovered after the data is the put through NERC’s error checking program.

NPCC Inc. Contact: Reza Rizvi
Reference: NPCC 2007 Business Plan and Budget for NPCC Inc. and NPCC CBRE



RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

OTHER

Working Groups/Ad Hoc Assignments

<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.	Dec. 2007
	Status/ Comments:	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 was held March 23, 2007.	
	NPCC Inc. Staff:	Phil Fedora	