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**RCC Meeting
June 1, 2005
Agenda Item 3.9**

**Northeast Power Coordinating Council
NPCC Reliability Assessment Program
(NRAP)
STATUS REPORT**

*Prepared for the
Reliability Coordinating Committee
June 1, 2005*

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

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NPCC 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 th Blackout, assess extent and effectiveness of regional and interregional coordination and recommend potential Area Restoration Plan and/or NPCC Criteria revisions.	July 2004

Status/ Comments: The Final Report of the IRCWG (CO-11), assessing the Areas' restoration experiences following the August 14th Blackout, was approved at the July 14th RCC meeting. The IRCWG is currently assisting the NPCC Compliance Monitoring and Assessment Subcommittee in its evaluation of the 2003 trial program of compliance with Section 4.10 of A-03, "Emergency Operation Criteria," which defines the testing requirements for key facilities and critical components associated with restoration. The IRCWG is also working jointly with the CMAS to develop expanded compliance templates to ultimately incorporate these same testing requirements into NPCC Document A-08, "NPCC Reliability Compliance and Enforcement Program."

NPCC Contact: Jerry Mosier

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.	Task 1 Completed Task 2 Completed Task 3 Completed Task 4 In Progress Task 5 August 2005 Task 6 November 2005

Status/ Comments: Tasks 1 and 2 completed. Extensive work was done through sensitivity testing to establish proper pre-islanding conditions (load power factor, load dynamic and proper reactive control action) that match the actual conditions. Sequence of events Times have been corrected based on simulations. Task 3 and Task 4 - Island analysis work underway.

NPCC Contact: Donal Kidney

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

BLACKOUT 2003 FOLLOW-UP

Working Groups/Ad Hoc Assignments

Item	Name	Assignment	Completion Date:
MSDTF	Major System Disturbance Task Force	NPCC formed the MSDTF following the August 14th Blackout, supplementing NPCC's SS-38 Working Group with representatives from ECAR, the MISO, PJM and SERC to conduct dynamic simulation analyses of the events.	December 2005
	Status/ Comments:	The MSDTF portion of the disturbance analysis work completed. Work has continued as the TFSS Study progresses.	
	NPCC Contact:	Paul Roman	

Item	Name	Assignment	Completion Date:
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.	December 2005
	Status/Comments:	Recommendation matrix updated and status report reviewed by Task Force Chairs every month. Monthly summary status reports posted on NPCC public web site; detailed status reports posted on the NPCC members' web site.	
	NPCC Contact:	Phil Fedora	

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

BLACKOUT 2003 FOLLOW-UP

Working Groups/Ad Hoc Assignments

Item	Name	Assignment		
RSPPWG	Regional Security Process Plan Working Group	Update the Regional Security Process Plan for complying with NERC established objectives for “coordinating interconnected power system operational security”.	Latest Version:	June 2004
			Completion Date:	September 2005
Status/ Comments:	The Regional Reliability Plan was approved by the NPCC RCC, the NERC ORS and NERC OC in June 2004. To be updated for consistency with NERC Version “0” Standards, considering the NERC Functional Model as a guideline.			
NPCC Contact:	James Hartwell			

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COMPLIANCE MONITORING AND ASSESSMENT SUBCOMMITTEE

Documents

Item	Name	Assignment	Latest Version:	
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:	April 1, 2004
			Frequency of Reviews:	1 year
			Next Review Date:	November 2005
	Status/ Comments:	Revised A-8 with additional four new requirements related to System Restoration was posted in Open Process Review. These new requirements are being proposed based on recommendations by the IRCWG and TFCO in conjunction with proposed revisions to A-3. As directed by the EC, CMAS will also propose provision to reflect the permissibility of non-voting regulatory observers at Enforcement Panel Hearings. A-8 will be reposted in Open Process Review following the June CMAS meeting.		
	NPCC Contact:	Quoc Le		

Item	Name	Assignment	Latest Version:	
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:	March 18, 2004
			Frequency of Reviews:	1 year
			Next Review Date:	November 2005
	Status/ Comments:	Revised B-22 was posted in Open Process Review and no comments received. Revised B-22 will be submitted for approval at the June 1, 2005 RCC meeting		
	NPCC Contact:	Quoc Le		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

COMPLIANCE MONITORING AND ASSESSMENT SUBCOMMITTEE

Documents

Item	Name	Assignment		
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:	November 19, 2004
			Frequency of Reviews:	3 years
			Next Review Date:	November 2007
	Status/ Comments:	The next review of C-32 will be initiated in December 2006.		
	NPCC Contact:	Quoc Le		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF OPERATION

Working Groups/Ad Hoc Assignments

Item	Name	Assignment		
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.	2005 Budget:	\$8,000
			Expense to Date:	\$1,950
			Completion Date:	December 2005
	Status/ Comments:	A revised CO-13 Scope was completed and approved by the TFCO. The CO-13 Working Group has coordinated with the Mid-West System Operator to pull in TCC-ATC information to the NPCC web-site, and also track and participate in the NERC Long-Term ATC/AFC Task Force proceedings. The Working Group is also finalizing the Regional ATC/TTC Methodology, a document required for compliance with NERC "Version 0" Reliability Standards. A letter from the TFCO to the CO-13 Working Group was issued specifying ATC-TCC web changes to meet OASIS and NERC "Version 0" compliance. The Working Group has also completed enhancements to the NPCC ATC/TTC webpage to conform with the new NERC Reliability Standards, FERC Orders, and also to meet member needs.		
	NPCC Staff Reference:	Guy Zito TFCO Workplan		

Item	Name	Assignment		
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, it conducts investigations of control performance problems.	2005 Budget:	\$25,000
			Expense to Date:	\$1,900
			Completion Date:	December 2005
	Status/ Comments:	The Working Group CO-01 is actively engaged in the following efforts: 1) the conclusion of the development and analysis of a proposed program to permit the sharing of up to 100 MW of ten-minute operating reserve among the NPCC Areas. 2) the assessment of the increasing number of frequency excursions being observed on the Eastern Interconnection. 3) a technical review of the benefits of the synchronized component of ten-minute operating reserve.		
	NPCC Contact Reference:	Jerry Mosier TFCO Workplan		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF OPERATION

Working Groups/Ad Hoc Assignments

Item	Name	Assignment		
CO-2	Dispatcher Training Working Group	The Working Group establishes a program for system dispatcher training relating to NPCC 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 Working Group CO-2 also evaluates and propose new techniques and training aids as they become available.	2005 Budget:	\$15,000
			Expense to Date:	\$5,800
			Next Seminar:	May 2005
	Status/ Comments:	The Working Group CO-02 conducted its spring training seminar for system operators and dispatchers on May 4 and 5, 2005. Topics included: A round table exercise on a coordinated response to a region-wide terrorist threat, Wind Power Generation, CO-11 System Restoration Planned Activities, NPCC Regional Reserve Sharing, Facilitated Transaction Checkout, etc.		
	NPCC Contact:	Jerry Mosier		
	Reference:	TFCO Workplan		

Item	Name	Assignment		
CO-7	Operational Review Team Working Group	To enhance the relationship between the control room personnel and NPCC, and to insure a continued understanding and effective implementation of the criteria and guides.	2005 Budget:	\$5,000
			Expense to Date:	\$2,550
			Completion Date:	December 2005
	Status/ Comments:	The Working Group CO-07 has completed its charge from the Task Force on Coordination of Operation to assess the initial registration process in NPCC for the Reliability Coordinator, Balancing Authority and the Transmission Operator to ensure the continuity of compliance with the NERC "Version 0" Reliability Standards.		
	NPCC Contact:	Paul Roman		
	Reference:	TFCO Workplan		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF OPERATION

Working Groups/Ad Hoc Assignments

Item	Name	Assignment		
CO-8	System Operations Managers Working Group	Provide a forum for the Managers of the NPCC control centers to identify and discuss security concerns in the operation of the interconnected bulk power supply system, and specific concerns related to the integration of operation between and among the evolving ISOs. The System Operations Managers Working Group will also assist the TFCO in their work on issues related to system security and the operation of the ISOs, and provide advice to the TFCO, as requested.	2005 Budget:	\$25,000
			Expense to Date:	\$5,350
			Completion Date:	December 2005
	Status/ Comments:	The Working Group is testing for the summer of 2005 an inter-Area NPCC morning call. The call will be conducted on a daily basis among the Area control rooms to quickly assess potential operating conditions for the day, and the conference call will be linked through a conference bridge.		
	NPCC Staff Reference:	Jerry Mosier TFCO Workplan		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

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

Item	Name	Assignment		
CO-10	Operational Tools Working Group	The Operational Tools Working Group 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.	2005 Budget:	\$15,000
			Expense to Date:	\$2,850
			Completion Date:	December 2005

Status/ Comments: A CO-10/Facilitated Transaction Checkout (FTC) meeting was held on April 21-22, 2005. Another meeting is being held at the Midwest ISO on June 8 as MISO is very interested in making use of FTC. Present status: 1) FTC is fully implemented in the ISO-NE control room, available for checkout with the NYISO; 2) FTC deployment at NYISO had been delayed because of SMD2 implementation work; 3) in Quebec, FTC is near control room implementation for transactions with ISO-NE 4) in Ontario, FTC is available for Quebec and NY checkout. CO-10 is also 1) participating in the NERC Real time Best Practices Task Force with the survey of operating tools throughout NERC ready for issue; 2) Re-working the B-12 and C-12 Documents and coordinating this work with TFIST; and 3) addressing E-Tag security certification and protocol issues.

NPCC Staff: Paul Roman
Reference: TFCO Workplan

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

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

Item	Name	Assignment	2005 Budget:	
CO-12	Operations Planning Working Group	Review the overall reliability of the generation and transmission system in the NPCC Region for 2004 Summer.		\$15,000
			Expense to Date:	\$7,000
			Completion Date:	December 2005

Status/ Comments: The 2005 Summer Assessment was completed with presentation provided to TFCO, RCC and the NPCC Executive Committee. An additional presentation of the Assessment methodology and results will be provided to the NERC Reliability Assessment Subcommittee on June 20 as part of the RAS interview of NPCC to assess monitoring of resource adequacy and transmission security. CO-12 will also address other charges from TFCO involving: 1) Process/document for operational review of new transmission facilities, 2) enhanced transfer capability reporting, 3) new “C” document to provide consistency of demand and resources reporting and 4) document methodology for conducting seasonal assessments.

NPCC Staff: Paul Roman
Reference: TFCO Workplan

Item	Name	Assignment	2005 Budget:	
IRCWG (CO-11)	Inter-Control Area Restoration Coordination Working Group	IRCWG addresses the issue of ensuring appropriate operation of key system restoration facilities and their critical components.		\$10,000
			Expense to Date:	\$7,050
			Completion Date:	December 2005

Status/ Comments: The report of the Inter-Control Area Restoration Coordination Working Group (CO-11), “Restoration of the NPCC Areas Following the Power System Collapse of August 14, 2003,” was approved for release by the RCC at its meeting of July 14, 2004. The IRCWG is currently assisting the NPCC Compliance Monitoring and Assessment Subcommittee in its evaluation of the 2003 trial program of compliance with Section 4.10 of A-03, “Emergency Operation Criteria,” which defines the testing requirements for key facilities and critical components associated with restoration. The IRCWG is also working jointly with the CMAS to develop expanded compliance templates to ultimately incorporate these same testing requirements into NPCC Document A-08, “NPCC Reliability Compliance and Enforcement Program.”

NPCC Staff: Jerry Mosier
Reference: TFCO Workplan

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF OPERATION

Working Groups/Ad Hoc Assignments

Item	Name	Assignment		
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.	2005 Budget:	\$15,000
			Expense to Date:	\$0
			Completion Date:	December 2005
	Status/ Comments:	Work will continue in analyzing system flow and transaction info to identify the root causes of Lake Erie flow volatility. Recently progress on this has slowed.		
	NPCC Staff Reference:	Paul Roman TFCO Workplan		

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TASK FORCE ON COORDINATION OF OPERATION

Documents

Item	Name	Assignment		
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:	November 14, 2002
			Frequency of Reviews: Next Review Date:	3 years August 2007
	Status/ Comments:	The version of the NPCC Document A - 03, "Emergency Operation Criteria," has gone through several iterations with great difficulty experienced in obtaining consensus. Because of this document approval has been delayed.		
	NPCC Contact:	Paul Roman		

Item	Name	Assignment		
A-6	Operating Reserve Criteria	Objectives, principles and requirements are presented that governs the amount, availability and distribution of operation reserve.	Latest Version:	November 14, 2002
			Frequency of Reviews: Next Review Date:	3 years November 2005
	Status/ Comments:	The document was approved by the NPCC membership in November 2002.		
	NPCC Contact:	Paul Roman		

Item	Name	Assignment		
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.	Latest Version:	November 6, 1997
			Frequency of Reviews: Next Review Date:	3 years June 2005
	Status/ Comments:	The requirements of NPCC Document B-03 had been transferred to NPCC Document A-02 by NPCC Working Group CP-11. CO-8 charged by TFCO to revise and convert this to a "C" Document.		
	NPCC Contact:	Paul Roman		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF OPERATION

Documents

Item	Name	Assignment		
B-9	Guide for Rating Generating Capability	Standards for rating and verifying net generating capability are established.	Latest Version:	November 1998
			Frequency of Reviews:	3 years
			Next Review Date:	June 2005
	Status/ Comments:	The requirements of NPCC Document B-09 to be transferred to an "A" document. CO-8 charged by TFCO to revise and convert this to a "C" Document.		
	NPCC Contact:	Paul Roman		

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:	The requirements of NPCC Document B-13 to be transferred to an "A" document. CO-8 charged by TFCO to revise and convert this to a "C" Document.		
	NPCC Contact:	Paul Roman		

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 Contact:	Paul Roman		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF OPERATION

Documents

Item	Name	Assignment	Latest Version:	January 29, 2004
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> .	Frequency of Reviews: Next Review Date:	3 years January 2007
Status/ Comments:		A revised Document was posted as final in late 2003. No need for any revisions at this time.		
NPCC Contact:		Paul Roman		

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

Item	Name	Assignment	Latest Version:	January 15, 2002
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.	Frequency of Reviews: Next Review Date:	3 years March 2007
Status/ Comments:		The revised Document was posted as final in February and implemented at the end of March 2004. No need for any revisions at this time.		
NPCC Contact:		Paul Roman		

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TASK FORCE ON COORDINATION OF OPERATION

Documents

Item	Name	Assignment	Latest Version:	
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.		March 15, 1997
			Frequency of Reviews:	3 years
			Next Review Date:	June 2005
	Status/ Comments:	CO-8 and CO-12 have been charged by TFCO to review this document.		
	NPCC Contact:	Paul Roman		

Item	Name	Assignment	Latest Version:	
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.		March 2003
			2005 Budget:	\$15,000
			Expense to Date:	\$0
			Frequency of Reviews:	3 years
			Next Review Date:	March 2006
	Status/ Comments:	The Document had been converted to Reference Document RD-09, but is being re-converted to C-15 without any significant content changes.		
	NPCC Staff:	Jerry Mosier		
	Reference:	TFCO Workplan		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF OPERATION

Documents

Item	Name	Assignment	Latest Version:	
C-19	Procedures During Shortages of Operating Reserve	This Procedure establishes specific instructions for the redistribution of Operating Reserve among the Areas when one or more Areas is experiencing an Operating Reserve deficiency.	Latest Version:	January 18, 2000
			Frequency of Reviews:	3 years
			Next Review Date:	September 2005
	Status/ Comments:	A combined C-19 and C-20 Document has completed the NPCC Open Process review. This supports implementation of reserve planned during 2005. Associated definitions placed in the A-07 Document have completed NPCC Open Process review.		
	NPCC Contact:	Paul Roman		

Item	Name	Assignment	Latest Version:	
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 an NPCC Area or Areas.	Latest Version:	March 1999
			Frequency of Reviews:	3 years
			Next Review Date:	September 2005
	Status/ Comments:	A combined C-19 and C-20 Document has completed the NPCC Open Process review. This supports implementation of reserve planned during 2005. Associated definitions placed in the A-07 Document have completed NPCC Open Process review.		
	NPCC Contact:	Paul Roman		

Item	Name	Assignment	Latest Version:	
RD-03 (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:	January 28, 2004
			Frequency of Reviews:	1 year
			Next Review Date:	January 2005
	Status/ Comments:	Document converted to C-36 and has been issued to the TFCO for approval.		
	NPCC Contact:	Paul Roman		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

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:	November 14, 2002
			Frequency of Reviews:	3 years
			Next Review Date:	November 2005
	Status/ Comments:	The TFCO Scope was revised in early 2004. The TFCO 2005 Work Plan has been completed.		
	NPCC Contact:	Jerry Mosier		

NPCC 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:	June 2004
			Frequency of Reviews:	1 year
			Next Review Date:	January 2005
	Status/ Comments:	The 2005 review completed.		
	NPCC Contact:	Paul Roman		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF PLANNING

Working Groups/Ad Hoc Assignments

Item	Name	Assignment		
CP-8	Working Group on Review of Resource and Transmission Adequacy	Review the overall reliability of the NPCC Areas and perform pre-seasonal resource adequacy assessments.	2005 Budget:	\$60,000
			Expense to Date:	\$5,190
			Completion Date:	December 2005
	Status/ Comments:	The New England 2004 Interim Review of Resource Adequacy, the New York 2004 Interim Review of Resource Adequacy, the Quebec 2004 Interim Review of Resource Adequacy, and the Maritimes 2004 Review of Resource Adequacy were approved by the RCC on March 9, 2005, and were posted on the NPCC web site. The NPCC Multi-Area Probabilistic Reliability Assessment for Summer 2005 was completed and released April 28 th . The report was posted on the NPCC web site. Comments were provided to the TFCP for their review and update of Document B-8.		
	NPCC Staff:	Phil Fedora		
	Reference:	TFCP Workplan		

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TASK FORCE ON COORDINATION OF PLANNING

Working Groups/Ad Hoc Assignments

Item	Name	Assignment		
CP-9	Review of NERC Planning Standards Working Group	Review the Phase I NERC Planning Standards that have been placed into final NERC due process. Recommend changes to those NERC Planning Standards that are scheduled for implementation in latter phases of the NERC Compliance Program. Review the Standards Authorization Requests and Reliability Standards as well as participate in the NERC process. Educate and inform NPCC membership of developments.	2005 Budget:	\$25,000
			Expense to Date:	\$11,829
			Completion Date:	December 2005
	Status/ Comments:	The CP-9 Working Group is focusing on the review of the “Version 1” NERC Reliability Standards (as they are developed) and also the emerging translation of the Planning Standards Phase III and IV. The CP-9 WG 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 will also be developing processes to coordinate commenting and participating in adjacent Regions’ criteria development, as well as promoting NPCC criteria in adjacent regions.		
	NPCC Staff:	Guy Zito		
	Reference:	TFCP Workplan		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF PLANNING

Working Groups/Ad Hoc Assignments

Item	Name	Assignment		
CP-11	Review of A-2 Criteria Working Group	This Working Group is charged with the revision of the NPCC Basic Design Criteria Document A-02 and the NPCC Glossary of Terms Document A-07. The review is currently underway and scheduled for submittal to the RCC for approval at their November 2003 meeting.	2005 Budget	\$10,000
			Expense to Date:	\$4,850
			Completion Date:	December 2005
	Status/ Comments:	Review and approval of the Evaluation Study Plan for the proposed NPCC Document A-10, "Criteria for the Determination of Bulk Power System Elements" is scheduled for the June 1, 2005 RCC meeting.		
	NPCC Staff:	Stan Kopman		
	Reference:	TFCP Workplan		

Item	Name	Assignment		
CP- 2005	Summer 2005 Multi-Area Probabilistic Reliability Assessment	Assess NPCC Area reliability for the year 2005 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.	2005 Budget:	\$50,000
			Expense to Date::	\$35,301
			Completion Date:	April 2005
	Status/ Comments:	The NPCC Multi-Area Probabilistic Reliability Assessment for Summer 2005 was completed and released April 28 th . The report was posted on the NPCC web site.		
	NPCC Staff:	Phil Fedora		
	Reference:	TFCP Workplan		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF PLANNING

Working Groups/Ad Hoc Assignments

Item	Name	Assignment		
CP- TIE	Review of Interconnection Assistance Reliability Benefits	On a consistent basis, estimate the amount of interconnection assistance available to the NPCC Areas for today's system and for the near term (2006).	2005 Budget:	\$25,000
			Expense to Date:	\$11,900
			Completion Date:	December 2005
Status/ Comments:		At the request of New Brunswick, the TFCP asked the CP-8 Working Group to study the impact of the proposed second New England – New Brunswick Tie Line; results were approved by the RCC at their March 9, 2005 meeting. The report and NB Tie Line addendum was posted on the NPCC web site.		
NPCC Staff:		Phil Fedora		
Reference:		TFCP Workplan		

Item	Name	Assignment		
CP-GLOS	Update NPCC Glossary	Maintain the NPCC Glossary of Terms (Document A-7) and to expand the Glossary to include new terms as necessary.	2005 Budget:	\$5,000
			Expense to Date:	\$0
			Next Review Date:	December 2005
Status/Comments:		This activity has been taken over the by CP-11 Working Group. CP-11 will continue to discuss and revise Document A-7, the NPCC Glossary of Terms, with the intention of having it ready for posting to the NPCC Open Process during the second quarter of 2005.		
NPCC Staff:		Stan Kopman		
Reference:		TFCP Workplan		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF PLANNING

Working Groups/Ad Hoc Assignments

Item	Name	Assignment	2005 Budget	Expense to Date:
RPF (PW)	Regional Planning Forum (PowerWorld)	The objective of the RPF is to explore innovative approaches to enhancing the capabilities of the transmission grid from a Wide-Area, trans-regional outlook.	\$25,000	\$0
	Status/ Comments:	PowerWorld Corp. conducted a training session for Simulator version 10 on July 7-8 at NPCC. New York ISO, ISO New England and NPCC staff attended. Simulator SCOPF, ATC PVQV Version 11 was received and was successfully installed.		
	NPCC Staff: Reference:	Phil Fedora TFCP Workplan		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF PLANNING

Documents

Item	Name	Assignment		
A-1	Criteria for Review and Approval of Documents	Criteria outlines the review and approval procedures for all NPCC documents.	Latest Version:	March 1997
			Frequency of Reviews:	4 years
			Next Review Date:	November 2004
	Status/ Comments:	The TFCP prepared revisions to this document in 2004, and It has received final member approval.	Completion Date:	November 2005
	NPCC Contact:	Guy Zito		

Item	Name	Assignment		
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
			Frequency of Reviews:	4 years
			Next Review Date:	November 2007
			Completion Date:	May 2008
	Status/ Comments:	The NPCC Membership approved the A-2 document May 6, 2004. However, there is a need to make a revision to the document to address a blackout recommendation. The TFCP will be presenting the proposed revision to the RCC at their June 1 meeting for discussion and then posting it in NPCC Open Process.		
	NPCC Contact:	Stan Kopman		

Item	Name	Assignment		
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:	September 1998
			Frequency of Reviews:	1 year
			Next Review Date:	December 2005
	Status/ Comments:	This document is currently being reviewed by the CP-11 Working Group.		
	NPCC Contact:	Stan Kopman		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF PLANNING

Documents

Item	Name	Assignment		
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:	June 28, 2001
			Frequency of Reviews:	3 years
			Next Review Date:	June 2005
			Completion Date:	December 2005
	Status/ Comments:	The TFCP is currently reviewing the need to revise this document.		
	NPCC Contact:	Guy Zito		
Item	Name	Assignment		
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:	September 28, 1995
			Frequency of Reviews:	3 years
			Next Review Date:	December 2005
			Completion Date:	July 2005
	Status/ Comments:	The TFCP is currently reviewing the comments from the NPCC Open process review and is coordinating those changes. The document will be approved and posted by Summer 2005.		
	NPCC Contact:	Guy Zito		
Item	Name	Assignment		
TFCP	Task Force Scope	The Task Force on Coordination of Planning scope of activities.	Latest Version:	February 26, 1997
			Frequency of Reviews:	3 years
			Next Review Date:	December 2005
	Status/ Comments:	The TFCP will be reviewing and revising the document at their June 2005 meeting.		
	NPCC Contact:	Guy Zito		

NPCC 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:	December 2004
			Frequency of Next Review Date:	3 years 2007
	Status/ Comments:	The Maritimes Area Triennial Review of Resource Adequacy was approved at the March, 2005 RCC meeting.		
	NPCC 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:	October 2002
			Frequency of Reviews: Next Review Date:	3 years 2005
	Status/ Comments:	New England's Interim Resource Adequacy Review was approved at the March, 2005 RCC meeting.		
	NPCC Contact:	Phil Fedora		

Item	Name	Assignment		
NYRA	Resource Adequacy — Coordination and Review of Area Studies	Review of the New York Area resource adequacy study.	Latest Version:	July 2002
			Frequency of Reviews: Next Review Date:	3 years 2005
	Status/ Comments:	New York's Interim Resource Adequacy Review was approved at the March, 2005 RCC meeting.		
	NPCC Contact:	Phil Fedora		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON COORDINATION OF PLANNING

Surveys/Reviews

Item	Name	Assignment		
QARA	Resource Adequacy — Coordination and Review of Area Studies	Review of the Québec Area resource adequacy study.	Latest Version: Frequency of reviews: Next Review Date:	October 2002 3 years 2005
	Status/ Comments:	Québec's Interim Resource Adequacy Review was approved at the March, 2005 RCC meeting.		
	NPCC Contact:	Phil Fedora		

Item	Name	Assignment		
ONRA	Resource Adequacy — Coordination and Review of Area Studies	Review of the Ontario Area resource adequacy study.	Latest Version: Frequency of Next Review Date:	July 2003 3 years 2006
	Status/ Comments:	Ontario's Interim Resource Adequacy Review was approved at the July 2004 RCC meeting.		
	NPCC Contact:	Phil Fedora		

Item	Name	Assignment		
SPS	Special Protection System List	This document lists Special Protection Systems on the System.	Latest Version: Frequency of Next Review Date:	June 2004 1 year June 2005
	Status/ Comments:	The SPS list will be presented to the RCC at its November 2005 meeting.		
	NPCC Contact:	Donal Kidney		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON INFRASTRUCTURE SECURITY AND TECHNOLOGY

Working Groups/Ad Hoc Assignments

Item	Name	Assignment		
TFIST	Task Force on Infrastructure Security and Technology	The mission of the NPCC Task Force on Infrastructure Security and Technology (TFIST) is to advance the Physical and Cyber Security of the electricity infrastructure of Northeastern North America.	2005 Budget:	\$20,000
			Expense to Date:	\$0
			Completion Date:	December 2005
	Status/ Comments:	The TFIST “NPCC Security Considerations for the Bulk Power System Whitepaper” has been sent to the RCC for review and approval at their June 1, 2005 meeting. The Telecommunication Working Group (IST-02) is preparing a report in response to the TFCO’s August 2004 request regarding improved voice communications during emergencies. The IST-02 WG is also working on a CO-8 Working Group request for a proposed daily morning inter-Area operations conference call.		
	NPCC Staff Reference:	Brian Hogue TFIST Workplan		

Item	Name	Assignment		
IST-1	Infrastructure Security and Technology Working Group	Periodic workshop to address timely issues and update member personnel associated with infrastructure security and technology.	2005 Budget:	\$5,000
			Expense to Date:	\$0
			Last Workshop:	October 2004
	Status/ Comments:	A well-received and attended Workshop was held on October 26-27, 2004 in Boston, MA. TFIST has not held detailed discussions for this year’s Workshop.		
	NPCC Staff Reference:	Brian Hogue TFIST Workplan		

NPCC 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:	November 2001
			Frequency of Reviews:	3 years
			Next Review Date:	September 2005
	Status/ Comments:	This document is currently being reviewed by TFIST.		
	NPCC Contact:	Brian Hogue		

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:	September 2001
			Frequency of Reviews:	3 years
			Next Review Date:	September 2005
	Status/ Comments:	This document is currently being reviewed by TFIST.		
	NPCC Contact:	Brian Hogue		

Item	Name	Assignment		
TFIST	Task Force Scope	This document outlines the Task Force on Infrastructure Security and Technology scope of activities.	Latest Review	March 2003
			Frequency of Reviews:	3 years
			Next Review Date:	June 2005
	Status/ Comments:	Scope of Work for the Task Force on Infrastructure Security and Technology was reviewed and approved at the March 2003 RCC meeting. This scope is being reviewed.		
	NPCC Contact:	Brian Hogue		

NPCC 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 on-line computer system performance during disturbances, as required by Document B-12.	Latest Review	March 2004
			Frequency of Reviews:	1 year
	Status/ Comments:	The C-17 guidelines were used to gather information following the August 14 th Blackout, a report was presented to the RCC at their November meeting. No need to review unless it affects security/reliability.		
	NPCC Contact:	Brian Hogue		

Item	Name	Assignment		
ROC	Review On-Line Computer System Status Reports	Review of member on-line computer system statuses and plans.	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 Contact:	Brian Hogue		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON SYSTEM PROTECTION

Working Groups/Ad Hoc Assignments

Item	Name	Assignment		
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.	Latest Version:	March 2005
			Frequency of Reviews:	3 months
	Status/ Comments:	The TFSP will initiate when conditions warrant.		
	NPCC Contact:	Quoc Le		

Item	Name	Assignment		
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 be able to quickly establish the sequence of events after any future wide-Area disturbance.	2005 Budget:	\$12,000
			Expense to Date:	\$1,600
			Completion Date:	April 2005
	Status/ Comments:	The SEDRWG has completed the major objective of this work. A report and implementation plan will be submitted for approval at the June 1, 2005 RCC meeting.		
	NPCC Staff Reference:	Quoc Le TFSP Workplan		

NPCC 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:	August 2004
			Frequency of Reviews:	3 years
			Next Review Date:	December 2007
	Status/ Comments:	The next review of A-4 will be initiated in the fourth quarter of 2006.		
	NPCC 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:	November 14, 2002
			Frequency of Reviews:	3 years
			Next Review Date:	November 2005
	Status/ Comments:	This document is under review. Open Process Review posting is expected following the June meeting of the TFSP.		
	NPCC Contact:	Quoc Le		

Item	Name	Assignment		
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:	November 14, 2002
			Frequency of Reviews:	3 years
			Next Review Date:	November 2005
	Status/ Comments:	This document is under review in conjunction with A-5.		
	NPCC Contact:	Quoc Le		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON SYSTEM PROTECTION

Documents

Item	Name	Assignment	Latest Version:	
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:	November 2008
	Status/ Comments:	Revised B-1 was approved at March 9, 2005 RCC meeting. Approved document is posted on the web.		
	NPCC Contact:	Quoc Le		

Item	Name	Assignment	Latest Version:	
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:	November 2008
	Status/ Comments:	Revised B-7 was approved at March 9, 2005 RCC meeting. Approved document is posted on the web.		
	NPCC Contact:	Quoc Le		

Item	Name	Assignment	Latest Version:	
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:	The next B-21 review will be initiated in September 2006.		
	NPCC Contact:	Quoc Le		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON SYSTEM PROTECTION

Documents

Item	Name	Assignment		
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, 2002
			Frequency of Reviews:	3 Years
			Next Review Date:	July 2007
	Status/ Comments:	The next B-23 Review will be initiated in September 2006.		
	NPCC Contact:	Quoc Le		

Item	Name	Assignment		
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, 2002
			Frequency of Reviews:	3 Years
			Next Review Date:	July 2007
	Status/ Comments:	The next B-24 Review will be initiated in September 2006.		
	NPCC Contact:	Quoc Le		

Item	Name	Assignment		
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:	November 14, 2002
			Frequency of Reviews:	3 Years
			Next Review Date:	November 2005
	Status/ Comments:	The next C-22 Review will be initiated in September 2006.		
	NPCC Contact:	Quoc Le		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON SYSTEM PROTECTION

Documents

Item	Name	Assignment		
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:	November 14, 2002
			Frequency of Reviews:	3 Years
			Next Review Date:	November 2005
	Status/ Comments:	Open Process Review completed. No comments received. Revised Document will be approved by TFSP at its June meeting.		
	NPCC Contact:	Quoc Le		

Item	Name	Assignment		
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:	November 2008
	Status/ Comments:	Revised TFSP scope was approved at the March 9, 2005 RCC meeting. Approved scope is posted on the web.		
	NPCC Contact:	Quoc Le		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON SYSTEM PROTECTION

Surveys/Reviews

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Latest Version:</u>	<u>Frequency of Reviews:</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).	January 2005	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 Contact:		Quoc Le		

<u>Item</u>	<u>Name</u>	<u>Assignment</u>	<u>Latest Version:</u>	<u>Frequency of Reviews:</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.	January 2005	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 Contact:		Quoc Le		

NPCC 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.	2005 Budget:	\$10,000
			Expense to Date:	\$10,000
			Completion Date:	December 2005
	Status/ Comments:	Year 2004 Base Case Development is complete and Year 2005 development effort is currently underway.		
	NPCC Staff:	Donal Kidney		
	Reference:	TFSS Workplan		

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.	2005 Budget:	\$20,000
			Expense to Date:	\$2,525
			Completion Date:	December 2005
	Status/ Comments:	The implementation of the UFLS Report recommendations are being coordinated by the TFCP. Work on the TFSS Blackout 2003 Study is on-going. SS-38 is conducting a governor response survey. SS-38 has conducted an assessment of the need for and value of synchronized reserve to satisfy a request made to TFSS by the TFCO. The response was forwarded to TFCO by TFSS.		
	NPCC Staff:	Donal Kidney		
	Reference:	TFSS Workplan		

NPCC 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:	November 7, 2001
			Frequency of Reviews:	3 years
			Next Review Date:	November 2004
	Status/ Comments:	Comments received in Open Process will be reviewed by TFSS at their June meeting.		
	NPCC 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:	November 2002
			Frequency of Reviews:	3 years
			Next Review Date:	November 2005
	Status/ Comments:	Currently under review by TFSS.		
	NPCC Contact:	Donal Kidney		

<u>Item</u>	<u>Name</u>	<u>Assignment</u>		
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:	January 1999
			Frequency of Reviews:	3 years
			Next Review Date:	January 2004
	Status/ Comments:	This document is currently under review.		
	NPCC Contact:	Donal Kidney		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON SYSTEM STUDIES

Documents

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 5, 2001
			Frequency of Reviews:	3 years
			Next Review Date:	June 2004
	Status/ Comments:	TFSS is currently reviewing the document.		
	NPCC Contact:	Donal Kidney		

Item	Name	Assignment		
TFSS	Task Force Scope	The Task Force on System Studies scope of activities.	Latest Version:	February 2003
			Frequency of	3 years
			Next Review Date:	January 2006
	Status/ Comments:	The TFSS is on schedule.		
	NPCC Contact:	Donal Kidney		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON SYSTEM STUDIES

Surveys/Reviews

Item	Name	Assignment		
ALSP	Adequacy of Automatic Load Shedding Programs	Assessment of the adequacy and suitability of existing underfrequency load shedding settings.	Latest Version:	August 31, 2004
			Frequency of Reviews:	3 years
			Completion Date:	March 2007
	Status/ Comments:	A final UFLS report was completed and was approved at the RCC in March 2003. The implementation of the recommendations from the report will be coordinated by the TFCP and have been incorporated into a revised Document A-3 that was approved by the RCC in July and the Membership in August. A UVLS report is being developed and will be presented to TFSS in June.		

NPCC Contact: Donal Kidney

Item	Name	Assignment		
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. On hold pending Blackout 2003 study.		
	NPCC Contact:	Donal Kidney		

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:	March 2004
			Frequency of Reviews:	1 year
			Next Review Date:	November 2005
	Status/ Comments:	Interim Review under way. Was approved at the November RCC meeting.		
	NPCC Contact:	Donal Kidney		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON SYSTEM STUDIES

Surveys/Reviews

Item	Name	Assignment		
NETR	New England Area Transmission Review	Review of New England Area future transmission plans (4-6 years out).	Latest Version:	September 2004
			Frequency of Reviews:	1 year
			Next Review Date:	September 2005
	Status/ Comments:	A Comprehensive Review is currently underway.		
	NPCC Contact:	Donal Kidney		

Item	Name	Assignment		
NYTR	New York Area Transmission Review	Review of New York Area future transmission plans (4-6 years out).	Latest Version:	March 2005
			Frequency of Reviews:	1 year
			Next Review Date:	March 2006
	Status/ Comments:	An Comprehensive Review is currently underway.		
	NPCC Contact:	Donal Kidney		

Item	Name	Assignment		
ONTR	Area Transmission Review	Review of Ontario Area future transmission plans (4-6 years out).	Latest Version:	December 2004
			Frequency of Reviews:	1 year
			Next Review Date:	December 2005
	Status/ Comments:	An Intermediate Review is currently underway.		
	NPCC Contact:	Donal Kidney		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

TASK FORCE ON SYSTEM STUDIES

Surveys/Reviews

Item	Name	Assignment		
QATR	Québec Area Transmission Review	Review of Québec Area future transmission plans (4-6 years out).	Latest Version:	November 2004
			Frequency of Reviews:	1 year
			Next Review Date:	December 2005
	Status/ Comments:	An Interim Review is currently underway.		
	NPCC Contact:	Donal Kidney		

Item	Name	Assignment		
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.	Latest Version:	May 2002
			2005 Budget:	\$10,000
			Frequency of Reviews:	3 years
			Completion Date:	May 2005
			Expense to Date:	\$0
	Status/ Comments:	The SS-37 Working Group has been assigned to conduct the 2004 Overall Transmission Reliability Study. The Study will simulate contingencies in each of the NPCC Areas plus PJM and ECAR to determine the overall robustness of the system. The study is progressing and is on target.		
	NPCC Staff:	Donal Kidney		
	Reference:	TFSS Workplan		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

MACC - ECAR - NPCC (MEN)

Study Committees

Item	Name	Assignment		
MEN SC	MEN Study Committee	The MEN Study Committee directs the activities of the MEN Operating Studies and Future Systems Working Groups and reports to the Joint Interregional Review Committee (JIRC) on study activities and other interregional matters of interest.	Completion Date:	December 2005
	Status/ Comments:	The 2005 Summer MEN Assessment was completed, approved by the JIRC and issued. The Assessment includes the addition of ComEd, AEP, Dayton Power & Light, Duquesne Light and Dominion Virginia Power to the PJM Market. The Assessment includes sensitivities considering these entities included in base conditions and not included to provide comparison to the 2004 Summer analysis plus it includes sensitivities for different operating modes of the Ontario-Michigan Interface Phase Angle Regulators.		
	NPCC Contact:	Paul Roman		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

MACC - ECAR - NPCC (MEN)

Working Groups/Ad Hoc Assignments

Item	Name	Assignment		
MEN	MAAC-ECAR-NPCC Working Group	The MEN Operating Studies Working Group, under the direction of the MEN Study Committee, conducts appraisals of the MAAC-ECAR-NPCC (MEN) interconnected systems for expected summer and winter periods.	2005 Budget:	\$10,000
			Expense to Date:	\$300
			Completion Date:	December 2005
	Status/ Comments:	The 2005 Summer study has been completed and the MEN report was approved by the JIRC at their last meeting. The schedule for the 2005/06 winter study has been issued. MEN/VEM base case development work will be initiated. NPCC is chairing both the MEN Study Committee and Working Groups.		
	NPCC Staff:	Donal Kidney/Paul Roman		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL (NERC)

Working Groups/Ad Hoc Assignments

Item	Name	Assignment		
CCC	Compliance and Certification Committee	Develop positions related to the NERC Compliance program.	Completion Date:	December 2005
	Status/ Comments:	Developing appeals processes for the NERC Compliance Program and Regional/NERC Readiness Review Program. Forming Joint SAC/CCC Task Force to outline compliance requirements for Version "0" Standards.		
	NPCC Contact:	Stan Kopman		

Item	Name	Assignment		
MMWG	Multiregional Modeling Working Group	Develop a library of solved load flow and dynamic simulation models for use by the Regions and their member systems in planning and evaluating future systems and current operating conditions.	2005 Budget:	\$5,000
			Expense to Date:	\$0
			Completion Date:	December 2005
	Status/ Comments:	The MMWG was directed to review and update the existing data release policies for power flow and dynamic data and models. This was completed and submitted to the NERC Planning Committee. MMWG is assembling twelve load flow models that constitute the 2005 base case library and five dynamics library cases. Development is currently on schedule. MMWG is also reviewing the proposed contractors budgets for 2006 for base case and dynamics development with the goal of recommending them for approval to the NERC Planning Committee.		
	NPCC Staff:	Donal Kidney		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL (NERC)

Working Groups/Ad Hoc Assignments

Item	Name	Assignment		
RAS	Reliability Assessment Subcommittee (RAS)	Conduct an annual review of the overall reliability of the existing and planned generation and transmission systems of the ten 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.	Latest Version:	September 2005
			Frequency of Reviews:	six months
			Completion Date:	December 2005
	Status/ Comments:	In May, the RAS published its seasonal assessment of anticipated conditions for the summer of 2005; the RAS assessment of conditions for the period 2005-2014 will be released in the summer. On June 20, 2005, the RAS will interview NPCC to assess its monitoring of resource adequacy and transmission security.		
	NPCC Contact:	Jerry Mosier		

NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

OTHER

Working Groups/Ad Hoc Assignments

Item	Name	Assignment		
DCWG	Data Coordination 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.	2005 Budget:	\$5,000
			Expense to Date:	\$0
			Completion Date:	December 2005
	Status/ Comments:	The EIA instituted its Form 411 internet based data collection system. NPCC Area's reporting requirements have been submitted. Next meeting planned for Fall 2005 to kick-off next year's effort.		
	NPCC Staff:	Godfrey Chibulunje		

Item	Name	Assignment		
Inter-ISO	Inter-ISO Working Group	The Inter-ISO Working Group was formed to address Inter-Regional planning and Inter-Area issues of projects that have "cross border" impacts while providing an open stakeholder forum and committee structure to allow market input.	2005 Budget:	\$5,000
			Expense to Date:	\$0
			Completion Date:	December 2005
	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 is also participating in the group's meeting of PJM and NPCC stakeholders.		
	NPCC Staff:	Guy Zito		