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**RCC Meeting  
March 12, 2003  
Agenda Item 12.0**

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

**STATUS REPORT**

*Prepared for the*

*March 12, 2003*

*Reliability Coordinating Committee*

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 Energy Management Technology  
Chairmen, NPCC Working Groups  
and  
NPCC Staff

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# NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## COMPLIANCE MONITORING AND ASSESSMENT SUBCOMMITTEE - QL

### PROGRAM ITEM NUMBER

#### Documents

A-8	Reliability Compliance and Enforcement Program	<b>Description:</b> The process and requirements are defined for compliance assessment and enforcement of selected reliability criteria and standards.	<b>Latest Version:</b> November 2001 <b>Frequency of Reviews:</b> 1 year <b>Next Review Date:</b> November 2003
QL	<b>Status/ Comments:</b> The document will be reposted for a second round of the NPCC Open process review once the Enforcement Panel section has been updated and the document has been reviewed by NPCC legal counsel.		
B-22	Guidelines for the Implementation of the Reliability Compliance and Enforcement Program (RCEP)	<b>Description:</b> This document establishes the requirements and guidelines for the implementation of the Reliability Compliance and Enforcement Program (Document A-8) and the arbitration process utilizing the NPCC Policy for Alternate Dispute Resolution.	<b>Latest Version:</b> November 9, 2000 <b>Frequency of Reviews:</b> 1 Year <b>Next Review Date:</b> November 2003
QL	<b>Status/ Comments:</b> The document will be reposted for a second round of the NPCC Open process review once the Enforcement Panel section has been updated and the document has been reviewed by NPCC legal counsel.		
C-32	Review Process for NPCC Reliability Compliance Program	<b>Description:</b> This Procedure establishes the process CMAS uses to verify Area compliance to the standards that comprise the NPCC Reliability Compliance Program (RCP) or its successor program.	<b>Latest Version:</b> June 23, 2000 <b>Frequency of Reviews:</b> 3 years <b>Next Review Date:</b> November 2003
QL	<b>Status/ Comments:</b> At the February 2003 meeting, CMAS initiated a review of this document.		

**NPCC RELIABILITY ASSESSMENT PROGRAM  
STATUS REPORT**

**TASK FORCE ON COORDINATION OF OPERATION - JGM**

**PROGRAM ITEM NUMBER**

**Working Groups/Ad Hoc Assignments**

CO-10	Operational Tools Working Group	<b>Description:</b>	The system 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 System 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.	<b>2003 Budget:</b>	\$15,000
				<b>Expense to Date:</b>	\$0
				<b>Completion Date:</b>	December 2003

PAR	<b>Status/ Comments:</b>	CO-10 has reviewed the NERC 2003 Project list to examine the operation applicability of the projects and rank their usefulness for NPCC applications. However, NPCC Areas have different priorities with respect to these projects and its difficult to reach a consensus. The CO-10 Chair attended the January TFEM/TFIST meeting to determine if there were any areas with conflicting activities. The previous TFEMTF scope has several but there appear to be none in current activities
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**Documents**

A-3	Emergency Operation Criteria	<b>Description:</b>	Objectives, principles and requirements are presented that govern the Areas in formulating plans and procedures to be followed in an emergency or during conditions which could lead to an emergency.	<b>Latest Version:</b>	November 14, 2002
				<b>Frequency of Reviews:</b>	3 Years
				<b>Next Review Date:</b>	November 2005

PAR	<b>Status/ Comments:</b>	The revised NPCC Document A - 03, "Emergency Operation Criteria," incorporating the identification and periodic testing of restoration facilities, and periodic testing was approved by the NPCC membership in November, 2002.
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**NPCC RELIABILITY ASSESSMENT PROGRAM  
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**PROGRAM ITEM NUMBER**

**Documents**

A-6	Operating Reserve Criteria	<b>Description:</b> Objectives, principles and requirements are presented that govern the amount, availability and distribution of operation reserve.	<b>Latest Version:</b> November 14, 2002
			<b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> November 2005

PAR            **Status/ Comments:** The document was approved by the NPCC membership in November 2002.

B-3	Guidelines for Inter-AREA Voltage Control	<b>Description:</b> 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.	<b>Latest Version:</b> November 6, 1997
			<b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> March 2003

PAR            **Status/ Comments:** The requirements of NPCC Document B-03 are being transferred to NPCC Document A-02 by NPCC Working Group CP-11, "Working Group on Review of the NPCC Basic Criteria." The remaining language is being established in a new Reference Document.

# NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF OPERATION – JGM

### PROGRAM ITEM NUMBER

#### Documents

B-9	Guide for Rating Generating Capability	<b>Description:</b> Standards for rating and verifying net generating capability are established.	<b>Latest Version:</b> November 1998 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> March 2003
PAR	<b>Status/ Comments:</b> The requirements of NPCC Document B-09 are being transferred to NPCC Document A-02 by NPCC Working Group CP-11, "Working Group on Review of the NPCC Basic Criteria." The remaining language is being established in a new Reference Document.		
B-13	Guide for Reporting System Disturbances.	<b>Description:</b> This document establishes requirements and guidelines for reporting the details of a system disturbance to enable assessments and reviews of those disturbances which impact a significant part of one Area or which have inter-Area implications.	<b>Latest Version:</b> June 25, 1997 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> May 2003
PAR	<b>Status/ Comments:</b> Document B-13 has been revised and posted for NPCC open review process as a reference document.		
RD-03	Procedures for Communications During Emergencies	<b>Description:</b> These Procedures direct NPCC's implementation of the NERC Interregional Emergency Telephone Network. The NERC Interregional Emergency Telephone Network Is utilized to convey to other reliability authorities in North America system conditions that could threaten the reliability of the interconnected bulk power supply system or the imminent shedding of firm load.	<b>Latest Version:</b> January 14, 2003 <b>Frequency of Reviews:</b> 1 Year <b>Next Review Date:</b> January 2004
PAR	<b>Status/ Comments:</b> TFCO approved the updated document at its January meeting.		

# NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF OPERATION - JGM

### PROGRAM ITEM NUMBER

#### Documents

C-8      Monitoring Procedures for Control Performance Guide During Normal Conditions      **Description:** 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

PAR      **Status/ Comments:** NPCC Document Reference Document 04 was created for the implementation of ACE Diversity Interchange.

C-11      Monitoring Procedures for Interconnected System Frequency Response      **Description:** 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:** May 2003

PAR      **Status/ Comments:** NPCC Document Reference Document 10 was created for the assessment of large system frequency excursions.

C-12      Procedure for Shared Activation of Ten-Minute Reserve (SAR)      **Description:** Procedures are established to provide for the shared activation of ten-minute reserve on an Area basis.      **Latest Version:** January 15, 2002  
**Frequency of Reviews:** 3 Years  
**Next Review Date:** September 2005

PAR      **Status/ Comments:** NPCC Document Reference Document 07 will be created for the shared activation of ten-minute reserve.

# NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF OPERATION - JGM

### PROGRAM ITEM NUMBER

#### Documents

C-13	Operational Planning Coordination	<b>Description:</b> Procedures are established to coordinate the exchange of operational data, provide for the notification of planned facility outages among the Areas, and provide for formal communications among the Areas in anticipation of a period of capacity shortage or light load conditions. The document also defines the procedures for the routine NPCC conference call held weekly among the Areas.	<b>Latest Version:</b> March 15, 1997 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> May 2003
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PAR                   **Status/ Comments:** The requirements of C-13 are being redirected to NPCC Document A-03, and the details of reporting are being redrafted as a Reference Document 11.

C-15	Procedures for Solar Magnetic Disturbances on Electrical Power Systems	<b>Description:</b> Procedures are established providing for the reporting channels and information available to the operator during solar alerts and suggesting measures that may be taken to mitigate the impact of a solar magnetic disturbance.	<b>Latest Version:</b> November 7, 2000 <b>2003 Budget:</b> \$15,000 <b>Expense to Date:</b> \$15,000 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> March 2003
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PAR                   **Status/ Comments:** An ad hoc working has been formed to incorporate the new Solar Alert Process contracted with Solar Terrestrial Dispatch.

18	C-19 Procedures During Shortages of Operating Reserve	<b>Description:</b> 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.	<b>Latest Version:</b> January 18, 2000 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> March 2003
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PAR                   **Status/ Comments:** Those elements of NPCC Document C-19 which establish requirements or are compliance related are being transferred to NPCC Document A-06; the remaining portions of the document are being transformed into a Reference Document 12.



# NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF OPERATION - JGM

### PROGRAM ITEM NUMBER

#### Documents

C-20	Procedures During Abnormal Operating Conditions	<b>Description:</b> This Procedure complements the Emergency Operation Criteria by establishing specific instructions for the System Operator during emergency conditions in an NPCC Area or Areas.	<b>Latest Version:</b> March, 1999 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> March 2003
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PAR                    **Status/ Comments:** The elements of NPCC Document C-20 which establish requirements or are compliance related are being transferred to NPCC Document A-3; the remaining portions of the document are being transformed into a Reference Document 12.

Task Force Scope	<b>Description:</b> The overall charge to the TFCO, together with the scope of activities, is given to the Task Force through its scope.	<b>Latest Version:</b> November 14, 2002 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> November 2005
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JGM                    **Status/ Comments:** The revised Scope of the TFCO, together with a newly developed Terms of Reference was approved by the TFCO at its November 2002 meeting.

#### Surveys/Reviews

Survey of NPCC Facilities Notification List	<b>Description:</b> An annual list of NPCC transmission facilities is established based on the criterion that, if removed from service, the transmission facility may directly or indirectly impact the reliability of another Area or other Areas.	<b>Latest Version:</b> January 2003 <b>Frequency of Reviews:</b> 1 Year <b>Next Review Date:</b> January 2004
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PAR                    **Status/ Comments:** The TFCO finalized the 2003 document at its meeting of January 2003.

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**TASK FORCE ON COORDINATION OF OPERATION - JGM**

**PROGRAM ITEM NUMBER**

**Working Groups/Ad Hoc Assignments**

IRCWG	Inter-Control AREA Restoration Coordination Working Group	<b>Description:</b> IRCWG addresses the issue of ensuring appropriate operation of key system restoration facilities and their critical components.	<b>2003 Budget:</b>	\$10,000
			<b>Expense to Date:</b>	\$1,900
			<b>Completion Date:</b>	December 2003
PAR	<b>Status/ Comments:</b>	The IRCWG completed the development of the necessary templates to initiative the 2003 trial program for compliance to the restoration provisions of the newly revised NPCCC Document A-03.		
CO-1	Control Performance	<b>Assignment</b> 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.	<b>2003 Budget:</b>	\$25,000
			<b>Expense to Date:</b>	\$2,850
			<b>Completion Date:</b>	December 2003
PAR	<b>Status/ Comments:</b>	The Control Performance Working Group (CO-1) is completing revised drafts of NPCC documents C-9 and C-12 for review by the TFCO at their March meeting. The Working Group also continues to assess the deliverability aspects of an expanded NPCC shared-reserve program.		

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**PROGRAM ITEM NUMBER**

**Working Groups/Ad Hoc Assignments**

CO-2	Dispatcher Training	<b>Assignment</b>	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.	<b>2003 Budget:</b>	\$15,000
				<b>Expense to Date:</b>	\$0
				<b>Next Seminar:</b>	May 2003
PAR	<b>Status/ Comments:</b>	The agenda for the May 2003 Dispatcher Training Seminar will be finalized at the joint meeting of the CO-2 and CO-8 Working Groups at the end of March.			
CO-7	Operation Review Team	<b>Assignment</b>	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.	<b>2003 Budget:</b>	\$5,000
				<b>Expense to Date:</b>	\$0
				<b>Completion Date:</b>	December 2003
PAR	<b>Status/ Comments:</b>	The Working Group will assist CMAS in the review of the New England Control Area to be conducted in May.			

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**PROGRAM ITEM NUMBER**

**Working Groups/Ad Hoc Assignments**

CO-8	System Operations Managers Working Group	<b>Assignment:</b> 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.	<b>2003 Budget:</b> \$25,000 <b>Expense to Date:</b> \$1,900 <b>Completion Date:</b> December 2003
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PAR      **Status/ Comments:**      At its March meeting, the CO-8 Working Group will review the exchange of energy transactions in the newly evolving Northeast Market.

Lake Erie Security Process Working Group (LESPWG)	<b>Assignment:</b> The Lake Erie Security Process Working Group was formed to address the charge stemming from the Northeast Power Coordinating Council Security Process Plan. The Lake Erie Security Process has established Lake Erie line loading relief procedures developed by representatives from Ontario Hydro, the New York Power Pool, the Pennsylvania-New Jersey-Maryland Interconnection Association and the Michigan Electric Coordinated Systems.	<b>2003 Budget:</b> \$15,000 <b>Expense to Date:</b> \$0 <b>Completion Date:</b> December 2003
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PAR      **Status/ Comments:**      LESPWG had completed a draft system redispatch and procedure but examples still need to be developed. LESPWG has curtailed activities for the last few months and plans to resume in the spring of 2003.

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**PROGRAM ITEM NUMBER**

**Working Groups/Ad Hoc Assignments**

NPCC Ad Hoc Working Group on ATC	<p><b>Assignment</b> Formulate NPCC's responses to the updated charges from the NERC Engineering Committee (EC) to the NERC ATC Implementation Working Group. These include: the development of an ATC compliance review schedule; the coordination of intra-/inter-regional ATC postings; the development of data exchange guidelines; the assessment of the commercial viability of ATC calculations; and the continued review of the TRM/CBM parameters</p>	<b>2003 Budget:</b>	\$5,000
		<b>Expense to Date:</b>	\$0
		<b>Completion Date:</b>	December 2003
GVZ	<p><b>Status/ Comments:</b> Comments from the Working Group to the NERC ATC Working Group on the treatment of TTC, ATC, TRM and CBM in Standard Market Design were finalized and were issued on October 16, 2002. The Working Group has picked up on past work on the NPCC ATC Methodology and will be revising the draft to finalize the document by the end of the year.</p>		
NPCC Ad Hoc Operations Planning Working Group	<p>Review the overall reliability of the generation and transmission system in the NPCC Region for the 2003 Summer.</p>	<b>2003 Budget:</b>	\$15,000
		<b>Expense to Date:</b>	\$0
		<b>Completion Date:</b>	May 2003
PAR	<p><b>Status/ Comments:</b> The 2003 Summer Assessment report is on schedule for a May 2003 completion. A rough draft has been assembled and status reports will be provided to the TFCO on March 4<sup>th</sup> and the RCC on March 12<sup>th</sup>.</p>		

**NPCC RELIABILITY ASSESSMENT PROGRAM  
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**TASK FORCE ON COORDINATION OF PLANNING - GVZ**

**PROGRAM ITEM NUMBER**

**Working Groups/Ad Hoc Assignments**

RPF	Regional Planning Forum	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.	<b>2003 Budget</b>	\$50,000
			<b>Expense to Date:</b>	\$1,200
			<b>Completion Date:</b>	December 2003
PAF	<b>Status/ Comments:</b>	RPF will be conducting their analysis of the 2005/06 system in conjunction with Phase 2 of the Collaborative Planning Forum (CP-10 Working Group). A status report summarizing preliminary results is planned to be given at the March RCC meeting.		
CP-10	Collaborative Planning Initiative	The CP10 Working Group is tasked with determination of the effects of proposed new generation and transmission in the year 2006. The group will initially be studying the effects the additions have on existing bottlenecks as well as any new ones. The study will then focus on various scenarios as defined by working group members to determine the impacts on those bottlenecks identified. Possible future study this group will undertake could involve proposing solutions to the problem bottlenecks.	<b>2003 Budget:</b>	\$40,000
			<b>Expense to Date:</b>	\$0
			<b>Completion Date:</b>	December 2003
GVZ	<b>Status/ Comments:</b>	Phase 1 of the study was approved by the RCC in March identifying approximately 50 transmission bottlenecks for a 2006 study year. Phase 2 of the study is currently underway which will prioritize those bottlenecks found in Phase 1 and is scheduled to be completed by June 2003.		

# NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF PLANNING - GVZ

### PROGRAM ITEM NUMBER

#### Working Groups/Ad Hoc Assignments

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 March 2003 meeting.	<b>2003 Budget</b>	\$10,000
			<b>Expense to Date:</b>	\$1,200
			<b>Completion Date:</b>	December 2003

SEK                    **Status/ Comments:**            The revised A-2 criteria was posted for the first time and comments considered. The document is currently posted for a second open comment period through March 10, 2003. An update will be provided to the RCC at their March meeting.

#### Documents

A-1	Criteria for Review and Approval of Documents	<b>Description:</b> Criteria outlines the review and approval procedures for all NPCC and NERC documents and contains the NPCC Glossary.	<b>Latest Version:</b>	March 1997
			<b>Frequency of Reviews:</b>	4 Years
			<b>Next Review Date:</b>	November 2003

GVZ                    **Status/ Comments:**            The TFCP is will be reviewing the need to revise this document in 2003.

A-2	Basic Criteria for Design and Operation of Interconnected Power Systems	<b>Description:</b> Criteria are established for proper design and operation concerning Resource Adequacy and Transmission Capability.	<b>Latest Version:</b>	August 1995
			<b>Frequency of Reviews:</b>	4 Years
			<b>Next Review Date:</b>	July 2003

GVZ                    **Status/ Comments:**            The TFCP has formed the CP-11 Working group to conduct the review of the Basic Criteria for Design and Operation of Interconnected Power Systems (A-2). Expected completion and approval of revised document to be in the first half of 2003.

# NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON COORDINATION OF PLANNING - GVZ

### PROGRAM ITEM NUMBER

#### Documents

B-8	Guidelines for Area Review of Resource Adequacy	<b>Description:</b> Guidelines to help TFCP ascertain that each Area's resource plan is in accordance with the NPCC "Basic Criteria for Design and Operation of Interconnected Power Systems".	<b>Latest Version:</b> June 28, 2001 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> June 2004
GVZ	<b>Status/ Comments:</b> The TFCP is will be reviewing the need to revise this document in 2004.		
C-16	Procedure for NPCC Review of New or Modified Bulk Power System Special Protection Systems	<b>Description:</b> This document outlines procedures for reporting new or modified Bulk Power System Special Protection Systems.	<b>Latest Version:</b> September 28, 1995 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> December 2003
GVZ	<b>Status/ Comments:</b> The TFCP is will be reviewing the need to revise this document in 2003.		
	Task Force Scope	<b>Description:</b> The Task Force on Coordination of Planning scope of activities.	<b>Latest Version:</b> February 26, 1997 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> December 2003
GVZ	<b>Status/ Comments:</b> The TFCP is will be reviewing the need to revise this document in 2003.		



**NPCC RELIABILITY ASSESSMENT PROGRAM  
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**TASK FORCE ON COORDINATION OF PLANNING - GVZ**

**PROGRAM ITEM NUMBER**

**Surveys/Reviews**

Resource Adequacy —  
Coordination and Review of Area  
Studies

**Description:** Review of the New York Area resource adequacy study.

**Latest Version:** July 2002

**Frequency of Reviews:** 3 Years

**Next Review Date:** June 2005

PAF      **Status/ Comments:** New York Triennial Review of Resource Adequacy was approved at the July 2002 RCC meeting.

Resource Adequacy —  
Coordination and Review of Area  
Studies

**Description:** Review of the New England Area resource adequacy study.

**Latest Version:** October 2002

**Frequency of Reviews:** 3 Years

**Next Review Date:** 2005

PAF      **Status/ Comments:** The New England Triennial Review of Resource Adequacy was approved at the November 2002 RCC meeting.

Resource Adequacy —  
Coordination and Review of Area  
Studies

**Description:** Review of the Ontario Area resource adequacy study.

**Latest Version:** November 2000

**Frequency of Reviews:** 3 Years

**Next Review Date:** 2003

PAF      **Status/ Comments:** The Ontario Triennial Review of Resource Adequacy was approved at the March 2001 RCC meeting.

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**PROGRAM ITEM NUMBER**

**Surveys/Reviews**

Resource Adequacy —  
Coordination and Review of Area  
Studies

**Description:** Review of the Québec Area resource adequacy study.

**Latest Version:** October 2002

**Frequency of reviews:** 3 Years

**Next Review Date:** 2005

PAF      **Status/ Comments:** The Québec Triennial Review of Resource Adequacy was approved at the November 2002 RCC meeting.

Resource Adequacy —  
Coordination and Review of Area  
Studies

**Description:** Review of the Maritime Area resource adequacy study.

**Latest Version:** December 2001

**Frequency of** 3 Years

**Next Review Date:** 2004

PAF      **Status/ Comments:** The Maritimes Area Triennial Review of Resource Adequacy was approved at the March 2002 RCC meeting

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**PROGRAM ITEM NUMBER**

**Working Groups/Ad Hoc Assignments**

CP-8	Working Group on Review of Resource and Transmission Adequacy	<b>Assignment</b>	Review the overall reliability of the NPCC Areas and perform pre-seasonal resource adequacy assessments.	<b>2003 Budget:</b>	\$60,000
				<b>Expense to Date:</b>	\$0
				<b>Completion Date:</b>	December 2003
CP- 2003	<b>Status/ Comments:</b>		Summer 2003 Multi-Area Probabilistic Reliability Assessment is on schedule to be completed May 2003. Preliminary results will be presented to the RCC on March 12 <sup>th</sup> .	<b>2003 Budget:</b>	\$65,000
				<b>Expense to Date:</b>	\$3,983
				<b>Completion Date:</b>	May 2003
CP - TIE	<b>Status/ Comments:</b>		Review of Interconnection Benefits to be initiated following completion of the Summer 2003 Assessment.	<b>2003 Budget:</b>	\$50,000
PAF				<b>Expense to Date:</b>	\$0
				<b>Completion Date:</b>	December 2003
CP-9	Working Group on the Review of NERC Planning Standards	<b>Assignment</b>	Initially 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 the membership of developments.	<b>2003 Budget:</b>	\$20,000
				<b>Expense to Date:</b>	\$2,250
				<b>Completion Date:</b>	December 2003
GVZ	<b>Status/ Comments:</b>		CP-9 will focus on the review of NERC Planning Standards and new NERC Reliability Standards (as they are developed).		

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**TASK FORCE ON COORDINATION OF PLANNING - GVZ**

**PROGRAM ITEM NUMBER**

**Working Groups/Ad Hoc Assignments**

JGWG	Joint Glossary Working Group	<b>Assignment</b>	Maintain the NPCC Glossary of Terms (Document A-7) and to expand the Glossary to include new terms as necessary.	<b>2003 Budget:</b>	\$5,000
				<b>Expense to Date:</b>	\$0
				<b>Next Review Date:</b>	December 2003

GVZ           **Status/ Comments:** The CP-11 Working Group is currently reviewing the need to revise this document in 2003.

**Documents**

A-7	NPCC Glossary of Terms	<b>Description:</b>	The NPCC Glossary of Terms (the Glossary) includes terms from NPCC Criteria (A), Guideline (B) and Procedure (C) Documents, as well as the North American Electric Reliability Council (NERC) Glossary of Terms, August 1996.	<b>Latest Version:</b>	September 1998
				<b>Frequency of Reviews:</b>	1 Year
				<b>Next Review Date:</b>	December 2003

GVZ           **Status/ Comments:** This document is currently being reviewed concurrently with the A-2 Basic Design Criteria Document by the CP11 Working Group

**Surveys/Reviews**

Special Protection System List	<b>Description:</b>	This document lists Special Protection Systems on the NPCC Bulk Power System.	<b>Latest Version:</b>	June 2001
			<b>Frequency of</b>	1 Year
			<b>Next Review Date:</b>	June 2002

DJK           **Status/ Comments:** The revised SPS List will be presented to the RCC as an informational item at their June 2003 meeting.

**NPCC RELIABILITY ASSESSMENT PROGRAM  
STATUS REPORT**

**TASK FORCE ON ENERGY MANAGEMENT TECHNOLOGY - FR**

**PROGRAM ITEM NUMBER**

**Documents**

B-12	Guidelines for On-Line Computer System Performance During Disturbances	<b>Description:</b> This document establishes guidelines for the performance of NPCC Area on-line computer systems during a power system disturbance.	<b>Latest Version:</b> November 2001 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> November 2004
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FR            **Status/ Comments:** The TFEMT is currently reviewing the need for this document

C-17	Monitoring Procedures for Guidelines for On-Line Computer System Performance During Disturbances	<b>Description:</b> This document establishes monitoring and reporting procedures for the B-12 Guideline, and specifically details on-line computer response objectives.	<b>Latest Version:</b> September 2001 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> November 2004
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FR            **Status/ Comments:** The TFEMT is currently reviewing the need for this document.

**Surveys/Reviews**

Review of the NERC Disturbance Analysis Working Group's reports.	<b>Description:</b> Review of on-line computer performance during system events or disturbances including all NERC regions.	<b>Latest Review:</b> February 2002
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FR            **Status/ Comments:** The TFEMT has discontinued review of these documents.

**NPCC RELIABILITY ASSESSMENT PROGRAM  
STATUS REPORT**

**TASK FORCE ON ENERGY MANAGEMENT TECHNOLOGY - FR**

**PROGRAM ITEM NUMBER**

**Surveys/Reviews**

Review of NPCC Area disturbances	<b>Description:</b> Review of on-line computer system performance during disturbances, as required by Document B-12.	<b>Latest Review</b>	January 2003
		<b>Frequency of Reviews:</b>	1 year

FR                    **Status/ Comments:** The TFEMT reviewed the NPCC disturbances at their January 28, 2003 meeting. The TFEMT is currently reviewing the need for this review.

Review On-Line Computer System Status Reports	<b>Description:</b> Review of member on-line computer system statuses and plans.	<b>Latest Review:</b>	January 2003
		<b>Frequency of Reviews:</b>	1 year

FR                    **Status/ Comments:** Member system status reports were reviewed at their September 2002 meeting. The TFEMT is currently reviewing the need for this review.

**Working Groups/Ad Hoc Assignments**

EMT-1	Energy Management Technology Workshop Working Group	<b>Assignment</b>	Periodic workshop to address timely issues and update member system personnel associated with the provision of on-line computer systems for operation of the power system.	<b>2003 Budget:</b>	\$5,000
				<b>Expense to Date:</b>	\$0
				<b>Last Workshop:</b>	May 16, 2002

FR                    **Status/ Comments:** The TFEMT is currently reviewing the need for a workshop this year.

**NPCC RELIABILITY ASSESSMENT PROGRAM  
STATUS REPORT**

**TASK FORCE ON ENERGY MANAGEMENT TECHNOLOGY - FR**

**PROGRAM ITEM NUMBER**

**Working Groups/Ad Hoc Assignments**

Correspondence with other regional and national groups associated with on-line computer systems

**Assignment:** Exchange of meeting minutes and other correspondence with representatives from other Regions. Monitor NERC CIPAG efforts.

**Latest Review:** January 2003

**Frequency of Reviews:** 1 year

FR            **Status/ Comments:** The majority of efforts in this area are currently being directed at participation in the NERC Critical Infrastructure Protection Advisory Group (CIPAG) efforts.

**Documents**

Task Force Scope

**Description:** This document outlines the Task Force on Energy Management Technology scope of activities.

**Latest Review**                      January 2003

**Frequency of Reviews:** 3 Years

**Next Review Date:** March 2006

FR            **Status/ Comments:** Scope of Work for the proposed Task Force on Infrastructure Security and Technology scheduled for review and approval at the March 2003 RCC meeting.

**NPCC RELIABILITY ASSESSMENT PROGRAM  
STATUS REPORT**

**TASK FORCE ON SYSTEM PROTECTION - QL**

**PROGRAM ITEM NUMBER**

**Documents**

A-4	Maintenance Criteria for Bulk Power System Protection	<b>Description:</b> This document establishes the maintenance interval and practices which should result in dependable and secure protection system operation.	<b>Latest Version:</b> December 2000 <b>Frequency of Reviews:</b> 3 years <b>Next Review Date:</b> December 2003
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QL           **Status/ Comments:** At its January 2003 meeting, the TFSP has initiated a review of this criterion.

A-5	Bulk Power System Protection Criteria	<b>Description:</b> This document establishes the minimum design objectives and recommends design practices to minimize the severity and extent of system disturbances and to minimize possible damage to system equipment.	<b>Latest Version:</b> November 14, 2002 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> November 2005
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QL           **Status/ Comments:** At its November 2002 meeting, the TFSP agreed, for the next review A-5, to incorporate the frame ground relay and breaker failure relay, to clarify that they both cannot be disabled by a single event.

A-11	Special Protection System Criteria	<b>Description:</b> This document establishes the protection criteria, and recommends minimum design objectives and practices for Special Protection Systems (SPSs). The SPS is categorized according to the Criteria fault for which it is designed and the impact its failure would have on the network.	<b>Latest Version:</b> November 14, 2002 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> November 2005
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QL           **Status/ Comments:** This document was approved by the RCC at their November 2002 meeting, and is the replacement for the previous "B-11" Special Protection System Guideline.



# NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM PROTECTION - QL

### PROGRAM ITEM NUMBER

#### Documents

B-1	Guide for the Application of Autoreclosing to the Bulk Power System	<b>Description:</b> This document establishes guidelines for automatic reclosing to facilitate restoration of the system to normal following automatic tripping of transmission facilities.	<b>Latest Version:</b> <b>Frequency of Reviews:</b> <b>Next Review Date:</b>	November 14, 2002 3 Years November 2005
QL	<b>Status/ Comments:</b> This document was approved by the RCC at their November 2002 meeting.			
B-7	Automatic Underfrequency Load Shedding Program Relaying Guideline	<b>Description:</b> This guideline establishes requirements for application and testing of underfrequency threshold relays that are necessary to accomplish the objectives of the NPCC automatic underfrequency load shedding program established in the Emergency Operation Criteria (Document A-3).	<b>Latest Version:</b> <b>Frequency of Reviews:</b> <b>Next Review Date:</b>	November 14, 2002 3 Years November 2005
QL	<b>Status/ Comments:</b> This document was approved by the RCC at their November 2002 meeting.			
B-21	Guide for Analysis and Reporting of Protection System Misoperations	<b>Description:</b> This document defines the analysis and reporting requirements for misoperations of protection systems and special protection systems on the bulk power systems within each of the NPCC Areas.	<b>Latest Version:</b> <b>Frequency of Reviews:</b> <b>Next Review Date:</b>	March 2001 3 years March 2004
QL	<b>Status/ Comments:</b> The TFSP is will be reviewing the need to revise this document in 2004.			

# NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM PROTECTION - QL

### PROGRAM ITEM NUMBER

#### Documents

C-22	Procedure for Reporting and Reviewing Proposed Protection Systems for the Bulk Power System	<b>Description:</b> This procedure indicates how new facilities or modifications to existing facilities are to be presented to the TFSP in order to ascertain compliance with the principles of the Protection Criteria.	<b>Latest Version:</b> November 14, 2002 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> November 2005
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QL            **Status/ Comments:** This document was approved by the RCC at their November 2002 meeting.

C-30	Procedure for Task Force on System Protection Review of Disturbances	<b>Description:</b> This document outlines the process the TFSP follows to review and analyze the performance of protection systems following selected major power system events, inside as well as outside NPCC.	<b>Latest Version:</b> November 14, 2002 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> November 2005
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QL            **Status/ Comments:** This document was approved by the RCC at their November 2002 meeting.

Task Force Scope	<b>Description:</b> This document outlines the Task Force on System Protection scope of activities.	<b>Latest Version:</b> November 14, 2002 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> November 2005
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QL            **Status/ Comments:** This document was approved by the RCC at their November 2002 meeting.

**NPCC RELIABILITY ASSESSMENT PROGRAM  
STATUS REPORT**

**TASK FORCE ON SYSTEM PROTECTION - QL**

**PROGRAM ITEM NUMBER**

**Surveys/Reviews**

Review protection systems for proposed installations or existing installations undergoing substantial modifications

**Description:** 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:** January 2003

**Frequency of Reviews:** 3 months

QL **Status/ Comments:** At each meeting, the TFSP discusses protection system changes, including SPS installations and modifications, as proposed by entities within NPCC.

Review protection system performance following major system events or disturbances

**Description:** 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:** January 2003

**Frequency of Reviews:** 3 months

QL **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 RELIABILITY ASSESSMENT PROGRAM  
STATUS REPORT**

**TASK FORCE ON SYSTEM PROTECTION - QL**

**PROGRAM ITEM NUMBER**

**Working Groups/Ad Hoc Assignments**

Protection System Maintenance  
Practices

**Assignment** 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:** January 2003

**Frequency of Reviews:** 3 months

QL

**Status/ Comments:** At its January 2003 meeting, the TFSP agreed to develop a draft study scope on microprocessor-based Relays, which will be reviewed at its April 1-2, 2003 meeting. Also reference Document "A-4", Maintenance Criteria For Bulk Power System Protection.

**NPCC RELIABILITY ASSESSMENT PROGRAM  
STATUS REPORT**

**TASK FORCE ON SYSTEM STUDIES - DJK**

**PROGRAM ITEM NUMBER**

**Documents**

B-4	Guidelines for NPCC Area Transmission Reviews	<b>Description:</b> Guidelines to help TFSS ascertain that each Area's transmission expansion plan, based on its proposed generation additions, has been developed in accordance with the NPCC "Basic Criteria for Design and Operation of Interconnected Power Systems."	<b>Latest Version:</b> November 7, 2001
			<b>Frequency of Reviews:</b> 3 Years
			<b>Next Review Date:</b> November 2004

DJK           **Status/ Comments:** TFSS to review need to update document in 2004.

B-10	Guidelines for Requesting Exclusions to Section 5.1 (B) and 6.1 (B) of the NPCC "Basic Criteria for Design and Operation of Interconnected Power Systems"	<b>Description:</b> Establishes procedures for requesting exclusion from certain contingencies in the Basic Criteria.  Note: Member Representatives shall be advised of approvals by the Reliability Coordinating Committee of applications for exclusions.	<b>Latest Version:</b> November 2002
			<b>Frequency of Reviews:</b> 3 years
			<b>Next Review Date:</b> November 2005

DJK           **Status/ Comments:** The document has completed open process review and was approved at the November 2002 RCC meeting.

C-18	Procedure for Testing and Analysis of Extreme Contingencies	<b>Description:</b> This document establishes a procedure for the testing and analysis of Extreme Contingencies.	<b>Latest Version:</b> January 1999
			<b>Frequency of</b> 3 years
			<b>Next Review Date:</b> January 2004

DJK           **Status/ Comments:** This document is currently under review.

**NPCC RELIABILITY ASSESSMENT PROGRAM  
STATUS REPORT**

**TASK FORCE ON SYSTEM STUDIES - DJK**

**PROGRAM ITEM NUMBER**

**Documents**

C-25	Procedure to Collect Real Time Data for Inter-Area Dynamic Analysis	<b>Description:</b> This document establishes a procedure for the collection of real time data following a power system disturbance for the purpose of analyzing the dynamic performance of the NPCC bulk power system.	<b>Latest Version:</b>	May 5, 2001
			<b>Frequency of Reviews:</b>	3 years
			<b>Next Review Date:</b>	June 2004

DJK                    **Status/ Comments:** TFSS to review need to update document in 2004.

Task Force Scope	<b>Description:</b> The Task Force on System Studies scope of activities.	<b>Latest Version:</b>	February 2003
		<b>Frequency of</b>	3 Years
		<b>Next Review Date:</b>	January 2006

DJK                    **Status/ Comments:** Revised TFSS Scope to be approved at the March 2003 RCC meeting.

**Surveys/Reviews**

NPCC Area Transmission Review	<b>Description:</b> Review of New York Area future transmission plans (4-6 years out)	<b>Latest Version:</b>	March 2003
		<b>Frequency of Reviews:</b>	1 Year
		<b>Next Review Date:</b>	March 2003

DJK                    **Status/ Comments:** A comprehensive Area review is currently underway.

# NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM STUDIES - DJK

### PROGRAM ITEM NUMBER

#### Surveys/Reviews

NPCC Area Transmission Review	<b>Description:</b> Review of New England Area future transmission plans (4-6 years out)	<b>Latest Version:</b>	September 2002
		<b>Frequency of Reviews:</b>	1 Year
		<b>Next Review Date:</b>	Sept 2003

DJK            **Status/ Comments:**    An interim review was conducted in 2002.

NPCC Area Transmission Review	<b>Description:</b> Review of Ontario Area future transmission plans (4-6 years out)	<b>Latest Version:</b>	December 2002
		<b>Frequency of Reviews:</b>	1 Year
		<b>Next Review Date:</b>	December 2003

DJK            **Status/ Comments:**    Ontario conducted a Comprehensive Area Review in 2002 and will be submitted to the RCC for approval at their March 2003 meeting.

NPCC Area Transmission Review	<b>Description:</b> Review of Québec Area future transmission plans (4-6 years out)	<b>Latest Version:</b>	November 2002
		<b>Frequency of Reviews:</b>	1 Year
		<b>Next Review Date:</b>	December 2003

DJK            **Status/ Comments:**    TransEnergie has conducted a Comprehensive Area Review for 2002 that was approved at the November 2002 RCC meeting.

# NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## TASK FORCE ON SYSTEM STUDIES - DJK

### PROGRAM ITEM NUMBER

#### Surveys/Reviews

NPCC Area Transmission Review	<b>Description:</b> Review of Maritime Area (New Brunswick and Nova Scotia) future transmission plans (4-6 years out)	<b>Latest Version:</b>	March 2002
DJK	<b>Status/ Comments:</b> Currently under review by the TFSS.	<b>Frequency of Reviews:</b>	1 Year
		<b>Next Review Date:</b>	March 2003
SS-38	Adequacy of Automatic Load Shedding Programs	<b>Description:</b> Assessment of the adequacy and suitability of existing underfrequency load shedding settings.	<b>Latest Version:</b>
			March 2003
DJK	<b>Status/ Comments:</b> A Final Report to be presented at the March 2003 RCC meeting for approval.	<b>Frequency of Reviews:</b>	3 Years
		<b>Completion Date:</b>	March 2006
Creation of Base Case Library	<b>Description:</b> On an annual basis, develop a library of solved load flow cases and associated dynamic data.	<b>Latest Version:</b>	November 2002
DJK	<b>Status/ Comments:</b> 2003 Base Case Development effort underway and on schedule.	<b>Frequency of Reviews:</b>	1 Year
		<b>Completion Date:</b>	November 2003



**NPCC RELIABILITY ASSESSMENT PROGRAM  
STATUS REPORT**

**TASK FORCE ON SYSTEM STUDIES - DJK**

**PROGRAM ITEM NUMBER**

**Surveys/Reviews**

SS-38	Overall Transmission Reliability Study	<b>Description:</b> Evaluate the need to perform an overall assessment to evaluate the thermal, and dynamic performance of the NPCC Region. If necessary perform this assessment including the calculation of Inter-Area transfer capabilities and Extreme contingency performance.	<b>Latest Version:</b> May 2001
			<b>Frequency of Reviews:</b> 3 Years
			<b>Completion Date:</b> May 2004

DJK            **Status/ Comments:** The SS-38 Working Group has conducted the 2001 Overall Transmission Reliability Study. The Study simulates contingencies in each of the NPCC Areas plus PJM to determine the overall robustness of the system. The report was approved by the RCC at their July 2002 Meeting

SS-38	Review of Dynamic Analysis Recording Devices	<b>Description:</b> This review summarizes the characteristics of recording devices used to capture power system dynamic phenomena.	<b>Latest Version:</b> June 4, 1999
			<b>Frequency of Reviews:</b> 3 Years
			<b>Next Review Date:</b> June 2003

DJK            **Status/ Comments:** SS-38 is currently conducting the Survey.

**Working Groups/Ad Hoc Assignments**

SS-37	Base Case Development	<b>Assignment</b> On an annual basis, develop a library of solved load flow cases and associated dynamic data.	<b>2003 Budget:</b> \$10,000
			<b>Expense to Date:</b> \$2,100
			<b>Completion Date:</b> December 2003

DJK            **Status/ Comments:** Year 2003 Base Case Development effort is underway and scheduled for completion by the end of the year

**NPCC RELIABILITY ASSESSMENT PROGRAM  
STATUS REPORT**

**TASK FORCE ON SYSTEM STUDIES - DJK**

**PROGRAM ITEM NUMBER**

**Working Groups/Ad Hoc Assignments**

SS-38 Working Group on Inter- Area  
Dynamic Analysis

**Assignment** Assigned to analyze dynamic phenomena, which may affect interconnected system reliability, especially in the area of low frequency oscillations.

**2003 Budget:** \$20,000

**Expense to Date:** \$1,950

**Completion Date:** December 2003

DJK      **Status/ Comments:** A final UFLS report was completed and will be presented to the RCC for approval in March 2003.

**NPCC RELIABILITY ASSESSMENT PROGRAM  
STATUS REPORT**

**MACC - ECAR - NPCC (MEN)**

**PROGRAM ITEM NUMBER**

**Study Committees**

MEN SC MEN Study Committee

**Assignment** 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 2003

PAR

**Status/ Comments:** The Study Committee implemented study procedure changes for the 2003 Summer Study to Simulate power transfers between market entities rather than between entities within Reliability Region borders.

**Working Groups/Ad Hoc Assignments**

OSWG MEN Operating Studies Working Group

**Assignment** 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.

**2003 Budget:** \$10,000

**Expense to Date:** \$300

**Completion Date:** December 2003

DJK

**Status/ Comments:** The Working Group is currently working on the MEN 2003 Summer Study and Report, anticipated to be completed by the end of April 2003.

**NPCC RELIABILITY ASSESSMENT PROGRAM  
STATUS REPORT**

**NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL (NERC)**

**PROGRAM ITEM NUMBER**

**Working Groups/Ad Hoc Assignments**

RAS	Reliability Assessment Subcommittee (RAS)	<b>Assignment</b>	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.	<b>Latest Version:</b>	November 15, 2002
				<b>Frequency of Reviews:</b>	six months
				<b>Completion Date:</b>	May 15, 2003

JGM                   **Status/ Comments:** The RAS 2002/03 Winter Report was released on November 15, 2002; the summer 2003 Assessment is in progress and Scheduled for release on May 15, 2003. The 2003/2012 long term assessment is also in progress, scheduled for release on October 15, 2003.

PSS	Planning Standards Subcommittee	<b>Assignment:</b>	The PSS, as charged by the NERC Engineering Committee, assesses and evaluates the NERC Planning Standards	<b>Latest Version:</b>	
				<b>Frequency of Reviews:</b>	
				<b>Completion Date:</b>	

SEK                   **Status/ Comments:** The PSS is reviewing the comments submitted to the Phase IIB Planning Standards and also reviewing the Phases II, III and IV Planning Standards. PSS is working jointly with the NERC Compliance Review Subcommittee (CRS) in developing revised templates for the remaining Phases of the NERC Compliance Program as well as efforts that are underway to reduce reporting by combining measures. The PSS is also involved with commenting on the NERC Organizational Standards efforts that are underway. Contact Stan Kopman at NPCC for further information.

**NPCC RELIABILITY ASSESSMENT PROGRAM  
STATUS REPORT**

**NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL (NERC)**

**PROGRAM ITEM NUMBER**

**Working Groups/Ad Hoc Assignments**

MMWGMultiregional Modeling Working Group

**Assignment** 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.

**2003 Budget:** \$5,000

**Expense to Date:** \$0

**Completion Date:** December 2003

DJK

**Status/ Comments:**

The MMWG was directed to review and update the existing data release policies for power flow and dynamic data and models. In 2003, MMWG will assemble twelve load flow models that constitute the 2004 base case library and five dynamics library cases. The NPCC SS-37 Working Group on Base Case development provides the NPCC data for the base case library development.

DCWGData Coordination Working Group

**Assignment:** 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.

**Completion Date:** December 2003

GVZ

**Status/ Comments:**

A fourth quarter 2002 meeting will be held on November 21, 2002 in Baltimore MD to finalize the 2002 data submission for 2001 and discuss the 2003 data collection efforts.

# NPCC RELIABILITY ASSESSMENT PROGRAM STATUS REPORT

## NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL (NERC)

### PROGRAM ITEM NUMBER

#### Working Groups/Ad Hoc Assignments

ATC Implementation Working Group	<b>Assignment</b> Review the procedures developed by the Regions (or sub-regions) for determining ATC to ensure that the procedures are in concert with the ATC Principles in NERC's June 1996 Available Transfer Capability Definitions and Determination report.	<b>Completion Date:</b> December 2003
GVZ	<b>Status/ Comments:</b> The group has submitted a remediation plan to NERC in response to a level 1 non-compliance assessment in the pilot Phase II B Compliance Program and has developed the NPCC Regional Data Posting System which is a web page initially containing TTC-ATC Area information. The group has also drafted a set of comments to Phase IIB of the NERC Compliance Program.	
CRS	Compliance Review Subcommittee	<b>Assignment:</b> Develop NERC compliance procedures for those Planning Standards/Measurements that are in the NERC 2000 Compliance Program. Review/ develop Compliance Reports for the NERC 2000 Program as required. Apply Sanctions Matrix and calculate penalties , for the program, to those Planning Standards/Measurements that NERC has compliance monitoring and assessment responsibility. No penalties will be assessed until enforcement authority is established. <b>Completion Date:</b>
SEK	<b>Status/ Comments:</b> CRS and PSS are discussing the future of their roles in light of the NERC BOT approval of the NERC Organizational Standards Process (NOSP). CRS is continuing development of sanctions/penalties matrices, and discussing means to streamline the implementation of the NERC Compliance Program. Contact Stan Kopman at NPCC for further information.	

**NPCC RELIABILITY ASSESSMENT PROGRAM  
STATUS REPORT**

**NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL (NERC)**

**PROGRAM ITEM NUMBER**

**Working Groups/Ad Hoc Assignments**

CS Compliance Subcommittee **Assignment** Develop templates for measurements contained in NERC Operating Policies; Monitor compliance to those operating measurements in the 2000 NERC Compliance Program and prepare necessary documentation of Regional compliance/non-compliance as required. **Completion Date:**

SEK **Status/ Comments:** Discussions are taking place to merge this group with CRS. Expected to be finalized in the fourth quarter of 2002. Contact Stan Kopman at NPCC for further information.

Gas Gas/Electric Task Force **Assignment:** Determine the interdependency between gas pipeline operation and planning to future electric system operation and planning reliability over the next ten years. **Completion Date: December 2003**

PAF **Status/ Comments:** Scope of Work approved by NERC Board of Directors at their February 2003 meeting.

**NPCC RELIABILITY ASSESSMENT PROGRAM  
STATUS REPORT**

**OTHER**

**PROGRAM ITEM NUMBER**

<b>NPCC-GAS</b>	Multi-Regional Gas Assessment	<b>Assignment:</b> Multi-Regional Assessment of the Adequacy of the Northeast Natural Gas Infrastructure to serve the Electric Power Generating Sector.	<b>2003 Budget:</b>	\$50,000
			<b>Expense to Date:</b>	\$0
			<b>Completion Date:</b>	December 2003
<b>PAF</b>	<b>Status/ Comments:</b>	This project is managed by the IMO with direction from a Steering Committee of Study Participants. NPCC share of the study cost will be billed once the appropriate confidentiality agreements are executed. Phase I report expected by first quarter, 2003. Phase II contingency analysis expected to be completed by the end of the year.		