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**RCC Meeting
March 13, 2002
Agenda Item 14.2**

March 5, 2002

Members, Reliability Coordinating Committee
and

Mr. Charles A. Durkin, Jr.
Mr. Robert A. Hiney
Mr. Edward A. Schwerdt

Re: NPCC Reliability Assessment Program Status Report, March 2002

The NPCC Reliability Assessment Program (NRAP) Status Report will be updated in time for consideration at the March 13, 2002 Reliability Coordinating Committee meeting.

The report will be posted in Adobe format in the Current Year NRAP folder on the NPCC Home Page. The URL to the folder is:

<http://www.npcc.org/NRAP.asp?Folder=CurrentYear>

Please note that the report is only “distributed” with this reference.

The NRAP Status Report update will be available at the March 13, 2002 RCC meeting.

Yours truly,

Guy V. Zito
Manager, Planning
NPCC

Cc: 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
Ms. Jennifer Budd



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**RCC Meeting
March 13, 2002**

**Northeast Power Coordinating Council
Reliability Assessment Program**

STATUS REPORT

March 2002

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
Mr. Charles J. Durkin, Jr.
Mr. Robert A. Hiney
Mr. Edward A. Schwerdt
Ms. Jennifer Budd

NPCC RELIABILITY ASSESSMENT PROGRAM

STATUS REPORT

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NPCC RELIABILITY ASSESSMENT PROGRAM

STATUS REPORT

Highlights

ITEM NUMBER

Compliance Monitoring and Assessment Subcommittee (CMAS)

CMAS has established the plans and schedules for the 2002 NPCC Compliance Program. The Program includes requirements from the NPCC Reliability Compliance and Enforcement Program (Document A-8 as revised November 7, 2001), the NERC 2002 Compliance Program, and the NPCC Reliability Assessment Program (NRAP) surveys. A report documenting the 2002 NPCC Compliance Program was distributed to the appropriate Area compliance personnel. It is also available for download from NPCC web site under the Compliance page.

Two Area Compliance Reviews utilizing the Review Process for the NPCC Reliability Compliance Program (Document C-32) will be conducted in 2002. CMAS will report on the results of these Reviews as they are completed for the Maritimes in the spring and for Quebec in the fall.

Task Force on Coordination of Operation (TFCO)

NPCC Document A-03, "Emergency Operation Criteria," has completed its second round of posting for public comment through the NPCC Open Review Process. The NPCC Task Force on Coordination of Operation, as recommended by the NPCC Inter-Control Area Restoration Coordination Working Group (IRCWG), accepted the majority of the comments received, and the document is accordingly submitted to the NPCC Reliability Coordinating Committee.

Task Force on Coordination of Planning (TFCP)

The Task Force has formed a working group CP-11 to review the Basic Design Criteria document A-2 and will be beginning this process in the first quarter of 2002.

NPCC Document C-16, "Procedure for Review of Bulk Power System SPS" will be reviewed in the first half of 2002.

The CP-10 Collaborative Planning Initiative Phase II work will begin shortly. The Task Force is finalizing a work plan and schedule for the group.

NPCC RELIABILITY ASSESSMENT PROGRAM

STATUS REPORT

Task Force on System Protection (TFSP)

NPCC Bulk Power System Protection Criteria (Document A-5) and the NPCC Special Protection System Criteria (Document A-11, currently a guideline, Document B-11) were posted in NPCC Open Process. The Task Force has addressed all the comments. Some editing issues remain for clarification, after which the revised A-5 and the A-11 will be submitted for endorsement by the RCC at the June 2002 meeting and for approval by the membership.

Task Force on System Studies (TFSS)

TFSS is currently reviewing the B-10 document and will subsequently post the document in NPCC Open Process for a comment period of 45 days.

**NPCC RELIABILITY ASSESSMENT PROGRAM
STATUS REPORT**

COMPLIANCE MONITORING AND ASSESSMENT SUBCOMMITTEE

PROGRAM ITEM NUMBER

Documents

117)A-8	Reliability Compliance and Enforcement Program	Description: The process and requirements are defined for compliance assessment and enforcement of selected reliability criteria and standards.	Latest Version: November 2001 Frequency of Reviews: 1 year Next Review Date: November 2002
	Status/ Comments: Also reference items 118 and 119.		
118)B-22	Guidelines for the Implementation of the Reliability Compliance and Enforcement Program (RCEP)	Description: 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: November 9, 2000 Frequency of Reviews: 1 Year Next Review Date: November 2002
	Status/ Comments: Reference items 117 and 119.		
119)C-32	Review Process for NPCC Reliability Compliance Program	Description: 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: June 23, 2000 Frequency of Reviews: 3 years Next Review Date: June 2003
	Status/ Comments: Also reference items 117 and 118.		

TASK FORCE ON COORDINATION OF OPERATION

PROGRAM ITEM NUMBER

Working Groups/Ad Hoc Assignments

)CO-10 Operational Tools Working Group

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.

Status/ Comments: The CO-10 Working Group is presently working on the advancement and implementation of the Open Scheduling System (OSS) implementing version 1.7 of electronic tagging..

Documents

1)A-3 Emergency Operation Criteria

Description: 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: January 1999

Frequency of Reviews: 3 Years

Next Review Date: March 2002

Status/ Comments: A revised NPCC Document A - 3, Emergency Operation Criteria, addressing restoration facility identification and periodic testing, will be submitted to the Reliability Coordinating Committee at its meeting of March 13, 2002.. Also reference items 18, 19 , 23 and 29.

TASK FORCE ON COORDINATION OF OPERATION

PROGRAM ITEM NUMBER

Documents

2)A-6	Operating Reserve Criteria	Description: Objectives, principles and requirements are presented that govern the amount, availability and distribution of operation reserve.	Latest Version: November 7, 2001 Frequency of Reviews: 3 Years Next Review Date: November 2004
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Status/ Comments: A further revision to A-06 has been posted for public comment through the NPCC Open Review Process and will be submitted to the RCC for approval. Also reference items 18.

3)B-2	Control Performance Guide During Normal Conditions	Description: Standards are established with which the NPCC Areas and systems within the Areas may measure control performance.	Latest Version: Frequency of Reviews: Next Review Date:
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Status/ Comments: Also reference item 12 . The standards in NPCC Document B-2 have been embodied in NPCC Document A-8, approved by the NPCC membership on November 9, 2000.

4)B-3	Guidelines for Inter-AREA Voltage Control	Description: 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: 3 Years Next Review Date: March 2002
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Status/ Comments: Also reference items 9 and 22. All requirements of NPCC Document B-3 will be transferred to the appropriate criterion document; remaining language will be established in a new Reference Document.

**NPCC RELIABILITY ASSESSMENT PROGRAM
STATUS REPORT**

TASK FORCE ON COORDINATION OF OPERATION

PROGRAM ITEM NUMBER

Documents

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 5)B-9 | Guide for Rating Generating Capability | Description: Standards for rating and verifying net generating capability are established. | Latest Version: November 1998
Frequency of Reviews: 3 Years
Next Review Date: March 2002 |
| Status/ Comments: Also reference items 11 and 25. All requirements of NPCC Document B-9 will be transferred to the appropriate criterion document; remaining language will be established in a new Reference Document. | | | |
| 6)B-13 | Guide for Reporting System Disturbances. | Description: 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: March 2002 |
| Status/ Comments: All requirements of NPCC Document B-13 will be transferred to Document A-03. | | | |
| 8)RD-03 (| Procedures for Communications During Emergencies | Description: These Procedures direct NPCC's implementation of the Eastern Interconnection Hotline. The Eastern Interconnection Hotline is an emergency telecommunications network initiated through a preset conference call that interconnects one key Regional coordination center, staffed continuously, or a major utility control center serving the role of coordinator for the Region, in each Region of the NERC Eastern Interconnection. The North Texas Security Center in ERCOT is connected to the calls as well. | Latest Version: September 18, 2001
Frequency of Reviews: 1 Year
Next Review Date: September, 2002 |
| Status/ Comments: Reference also item 16. Formerly Document C-03. Reference Document 03 was updated to integrate the NPCC Area participation in the NERC Hotline. | | | |

TASK FORCE ON COORDINATION OF OPERATION

PROGRAM ITEM NUMBER

Documents

12)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 with NPCC's Control Performance Guide During Normal Conditions.	Latest Version: January 15, 2002 Frequency of Reviews: 3 Years Next Review Date: January, 2005
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Status/ Comments: Also reference item 3.

14)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: March 2002
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Status/ Comments: A revised Reference Document to assess large frequency excursions on the system is now being drafted.

15)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: May 8, 2001 Frequency of Reviews: 3 Years Next Review Date: March, 2002
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Status/ Comments: A subsequent revision to NPCC Document C-12 has been posted for comments through the NPCC Process for Open Review and will be submitted to the Task Force on Coordination of Operation at its March, 2002 meeting.

TASK FORCE ON COORDINATION OF OPERATION

PROGRAM ITEM NUMBER

Documents

16)C-13 Operational Planning Coordination
Description: Procedures are established to coordinate the exchange of operational data, provide for the notification of planned facility outages among the Areas, and provide for formal communications among the Areas in anticipation of a period of capacity shortage or light load conditions. The document also defines the procedures for the routine NPCC conference call held weekly among the Areas.
Latest Version: March 15, 1997
Frequency of Reviews: 3 Years
Next Review Date: March 2002

Status/ Comments: Reference also items 8 and 28. The requirements of C-13 are being redirected to the appropriate criterion document, and the details of reporting are being redrafted as a Reference Document.

17)C-15 Procedures for Solar Magnetic Disturbances on Electrical Power Systems
Description: Procedures are established providing for the reporting channels and information available to the operator during solar alerts and suggesting measures that may be taken to mitigate the impact of a solar magnetic disturbance.
Latest Version: November 7, 2000
Frequency of Reviews: 3 Years
Next Review Date: November 2003

Status/ Comments: This document has been revised to address Space Environment Center (SEC) changes in the levels at which geomagnetically induced currents (GIC) event warning notifications are issued.

18)C-19 Procedures During Shortages of Operating Reserve
Description: 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:
Frequency of Reviews:
Next Review Date: March 2002

Status/ Comments: Also reference items 1 and 2. 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 will be transformed into a Reference Document.

TASK FORCE ON COORDINATION OF OPERATION

PROGRAM ITEM NUMBER

Documents

19)C-20	Procedures During Abnormal Operating Conditions	Description: 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: March 2002
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Status/ Comments: Also reference item 1. 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 will be transformed into a Reference Document.

21)	Task Force Scope	Description: The overall charge to the TFCO, together with the scope of activities, is given to the Task Force through its scope.	Latest Version: June 29, 1999 Frequency of Reviews: 3 Years Next Review Date: June 2002
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Status/ Comments: The RCC approved the revised TFCO scope at its meeting of June 29, 1999.

Surveys/Reviews

28)	Survey of NPCC Facilities Notification List	Description: 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: January 2002 Frequency of Reviews: 1 Year Next Review Date: January 2003
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Status/ Comments: The TFCO finalized the 2002 document at its meeting of January 2002. Also reference item 16.

TASK FORCE ON COORDINATION OF OPERATION

PROGRAM ITEM NUMBER

Working Groups/Ad Hoc Assignments

29) IRCWG Inter-Control AREA Restoration
Coordination Working Group

Description: IRCWG addresses the issue of ensuring appropriate operation of key system restoration facilities and their critical components.

2001 Budget:

Expense to Date:

Status/ Comments: The IRCWG has completed the revision to A-03 which adds the specificity of requirements for testing those facilities critical to system restoration, the draft of which is being submitted to the RCC at its meeting of March 13, 2002.

30) CO-1 Control Performance

Assignment: 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.

2000 Budget: \$20,300

Expense to Date: \$4,450

Status/ Comments: The Control Performance Working Group (CO-1) is currently pursuing the following tasks: 1) documentation of the historical basis for a ten minutes Disturbance Recovery Period For Reportable Events; 2) reassessing NPCC document A-6, "Operating Reserve Criteria", to address reliability concerns related to the treatment of recallable energy purchases in determining reserve requirements; 3) investigating the feasibility of full reserve sharing within NPCC; 4) reassessing NPCC document A-3, "Emergency Operation Criteria", to ensure consistency with NERC Appendix 9B, "Energy Emergency Alerts," and 5) a combined Regional control of Area Control Error (ACE).

**NPCC RELIABILITY ASSESSMENT PROGRAM
STATUS REPORT**

TASK FORCE ON COORDINATION OF OPERATION

PROGRAM ITEM NUMBER

Working Groups/Ad Hoc Assignments

31)CO-2	Dispatcher Training	Assignment: 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.	2000 Budget: \$22,350 Expense to Date: \$7,000 Next Seminar: Ongoing
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Status/ Comments: The Dispatcher Training Working Group (CO-2) conducted its spring training seminar on May 1-2, 2002, at the ISO New England Inc.

32)CO-7	Operation Review Team	Assignment: 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.	2000 Budget: \$25,000 Expense to Date: \$0
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Status/ Comments: The Working Group is assembled to assist CMAS in the technical aspects of its compliance audits.

33)CO-8	System Operations Managers Working Group	Assignment: 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.	2000 Budget: \$25,000 Expense to Date: \$11,275
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Status/ Comments: The CO-8 Working Group has revised the procedures for the NPCC Emergency Preparedness Conference Call and has established a conference call mechanism to ensure.

TASK FORCE ON COORDINATION OF OPERATION

PROGRAM ITEM NUMBER

Working Groups/Ad Hoc Assignments

35)	Lake Erie Security Process Working Group (LESPWG)	Assignment: 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.	2000 Budget:	\$30,000
			Expense to Date:	\$6,500

Status/ Comments: Documents for the refiling of the LEER Agreement have been developed. Refiling with FERC will be initiated in March 2002. The System Redispatch have been developed.

36)	NPCC Ad Hoc Working Group on ATC	Assignment: 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	2000 Budget:	\$10,000
			Expense to Date:	\$6,100

Status/ Comments: The need for revisions to the NPCC ATC Methodology will be reviewed, a draft "A" Document with the requirements language from the Methodology still needs to be developed.

TASK FORCE ON COORDINATION OF OPERATION

PROGRAM ITEM NUMBER

Working Groups/Ad Hoc Assignments

115)	NPCC Ad Hoc Operations Planning Working Group	Review the overall reliability of the generation and transmission system in the NPCC Region for the 2001 Summer.	2000 Budget: \$0 Expense to Date: \$7,500 Completion Date: May 2002
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Status/ Comments: A final draft of the 2002 Summer report is under development. It will be presented to TFCO on March 11 and to the RCC on March 13. The report will include technical detail. A separate Executive Summary will be developed along with a summary of the CP-8 study results. This will be developed for the Press and will provide information in preparation for a May 1 Press conference.

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

PROGRAM ITEM NUMBER

Documents

37)A-1	Criteria for Review and Approval of Documents	Description: Criteria outlines the review and approval procedures for all NPCC and NERC documents and contains the NPCC Glossary.	Latest Version: March 1997 Frequency of Reviews: 4 Years Next Review Date: November 2001
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Status/ Comments: NPCC will begin review of this document in the first half of 2002.

38)A-2	Basic Criteria for Design and Operation of Interconnected Power Systems	Description: Criteria are established for proper design and operation concerning Resource Adequacy and Transmission Capability.	Latest Version: August 1995 Frequency of Reviews: 4 Years Next Review Date: November 2001
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Status/ Comments: 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). Initial Meeting to be held in the first half of 2002.

39)B-8	Guidelines for Area Review of Resource Adequacy	Description: 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 2004
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Status/ Comments:

TASK FORCE ON COORDINATION OF PLANNING

PROGRAM ITEM NUMBER

Documents

40)C-16	Procedure for NPCC Review of New or Modified Bulk Power System Special Protection Systems	Description: 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 2001
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Status/ Comments: TFCP will be initiating review of this document in the first quarter of 2002.

41)	Task Force Scope	Description: The Task Force on Coordination of Planning scope of activities.	Latest Version: February 26, 1997 Frequency of Reviews: 3 Years Next Review Date: December 2001
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Status/ Comments:

Surveys/Reviews

42)	Resource Adequacy — Coordination and Review of Area Studies	Description: Review of the New York Area resource adequacy study.	Latest Version: June 29, 1999 Frequency of Reviews: 3 Years Next Review Date: June 2002
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Status/ Comments:

TASK FORCE ON COORDINATION OF PLANNING

PROGRAM ITEM NUMBER

Surveys/Reviews

43) Resource Adequacy — **Description:** Review of the New England Area resource adequacy study. **Latest Version:** March 2000
Coordination and Review of Area **Frequency of Reviews:** 3 Years
Studies **Next Review Date:** March 2003

Status/ Comments:

44) Resource Adequacy — **Description:** Review of the Ontario Area resource adequacy study. **Latest Version:** March 2001
Coordination and Review of Area **Frequency of Reviews:** 3 Years
Studies **Next Review Date:** March 2004

Status/ Comments:

45) Resource Adequacy — **Description:** Review of the Québec Area resource adequacy study. **Latest Version:** June 29, 1999
Coordination and Review of Area **Frequency of Reviews:** 3 Years
Studies **Next Review Date:** June 2002

Status/ Comments:

TASK FORCE ON COORDINATION OF PLANNING

PROGRAM ITEM NUMBER

Surveys/Reviews

46) Resource Adequacy — **Description:** Review of the Maritime Area resource adequacy study. **Latest Version:** March 1999
Coordination and Review of Area **Frequency of Reviews:** 3 Years
Studies **Next Review Date:** March 2002

Status/ Comments: Will be presented to the RCC at their March 2002 meeting for approval.

47) NPCC Area Transmission Review **Description:** Review of the New York Area future transmission **Latest Version:** November 2000
plans (5-7 years out) **Frequency of Reviews:** 1 Year
Next Review Date: January 2002

Status/ Comments: Will be presented to the RCC at their March 2002 meeting for approval.

48) NPCC Area Transmission Review **Description:** Review of the New England Area future transmission **Latest Version:** June 28, 2001
plans (5-7 years out) **Frequency of Reviews:** 1 Year
Next Review Date: June 2002

Status/ Comments:

TASK FORCE ON COORDINATION OF PLANNING

PROGRAM ITEM NUMBER

Surveys/Reviews

49) NPCC Area Transmission Review **Description:** Review of the Ontario Area future transmission plans (5-7 years out) **Latest Version:** December 2000
Frequency of Reviews: 1 Year
Next Review Date: February 2002

Status/ Comments:

50) NPCC Area Transmission Review **Description:** Review of the Québec Area future transmission plans (5-7 years out) **Latest Version:** September 2000
Frequency of Reviews: 1 Year
Next Review Date: January 2002

Status/ Comments:

51) NPCC Area Transmission Review **Description:** Review of the Maritime Area future transmission plans (5-7 years out) **Latest Version:** June 1999
Frequency of Reviews: 1 Year
Next Review Date: January 2002

Status/ Comments: Will be presented to the RCC at their March 2002 meeting for approval.

**NPCC RELIABILITY ASSESSMENT PROGRAM
STATUS REPORT**

TASK FORCE ON COORDINATION OF PLANNING

PROGRAM ITEM NUMBER

Working Groups/Ad Hoc Assignments

52)CP-8	Working Group on the Review of Interconnection Assistance Benefits	Assignment Review the overall reliability benefits of the interconnections for each Area within the NPCC Region; perform pre-seasonal resource adequacy assessment of the NPCC Region.	2000 Budget: \$30,000 Expense to Date: \$76,578 Completion Date: April 2002
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Status/ Comments: Scopes of Work for 2002 Summer Assessment and Review of Interconnection Assistance Reliability Benefits approved by TFCP and being presented for approval to RCC at November 7, 2001 meeting.

53)CP-9	Working Group on the Review of NERC Planning Standards	Assignment 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.	2000 Budget: \$7,500 Expense to Date: \$650 Completion Date: Ongoing
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Status/ Comments: CP-9 will focus on the review of NERC Planning Standards and new NERC Organizational Standards (when developed).

54)EMWG	Environmental Matters Working Group	Assignment Serve as the primary resource to the TFCP on all environmental matters. This includes but is not limited to review of reliability implications, review of legislative and regulatory existing and emerging issues, evaluation of the effects of proposed system modifications, operating procedures or environmental equipment, identification of the need for special environmental studies, performance of assignments, etc.	2000 Budget: \$0 Expense to Date: \$0 Completion Date: Ongoing
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Status/ Comments:

**NPCC RELIABILITY ASSESSMENT PROGRAM
STATUS REPORT**

TASK FORCE ON COORDINATION OF PLANNING

PROGRAM ITEM NUMBER

Working Groups/Ad Hoc Assignments

55)LCFWG	Load, Capacity & Fuels Working Group	Assignment	General: Serve as the primary resource to the TFCP on matters relating to load, capacity energy and fuels data within NPCC. Specific: 1) Provide load, capacity, energy, fuel and other data in electronic format through NERC to the DOE-EIA as part of the annual EIA-411 filing. 2) Prepare an NPCC Load, Capacity, Energy, Fuels and Transmission report.	2000 Budget:	\$5,000
				Expense to Date:	\$0
				Completion Date:	1) EIA-411 data: April 2001 2) NPCC Report: June 2001

Status/ Comments: Data submission completed to NERC.

56)JGWWG	Joint Glossary Working Group	Assignment	To maintain the NPCC Glossary of Terms (Document A-7) and to expand the Glossary to include new terms as necessary.	2000 Budget:	\$5,000
				Expense to Date:	\$0
				Next Review Date:	Ongoing

Status/ Comments:

Documents

112)A-7	NPCC Glossary of Terms	Description:	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:	September 2002

Status/ Comments:

TASK FORCE ON COORDINATION OF PLANNING

PROGRAM ITEM NUMBER

Surveys/Reviews

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

Status/ Comments: Maintenance of the SPS List has has been transferred to the TFCP from the TFSP. The TFSP will continue in a consulting role. Also reference item 67.

TASK FORCE ON ENERGY MANAGEMENT TECHNOLOGY

PROGRAM ITEM NUMBER

Documents

87)B-12	Guidelines for On-Line Computer System Performance During Disturbances	Description: 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: November 2004
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Status/ Comments: Reference also item number 88.

88)C-17	Monitoring Procedures for Guidelines for On-Line Computer System Performance During Disturbances	Description: 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: November 2004
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Status/ Comments: Reference also item number 87.

This Document will be reviewed at the TFEMT November 2001 meeting.

Surveys/Reviews

89)	Review of the NERC Disturbance Analysis Working Group's report on "1996 System Disturbance."	Description: Review of on-line computer performance during system events or disturbances including all NERC regions.	Latest Review: February 2002 Frequency of Reviews: 1 Year Next Review Date: February 2003
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Status/ Comments: The Task force has been awaiting the completion of the 1996, 1997, 1998, 1999 and 2000 NERC Disturbance Reports by the NERC/DAWG. The 1998 and 1999 reports were recently published.

**NPCC RELIABILITY ASSESSMENT PROGRAM
STATUS REPORT**

TASK FORCE ON ENERGY MANAGEMENT TECHNOLOGY

PROGRAM ITEM NUMBER

Surveys/Reviews

90) Review of NPCC Area disturbances
Description: Review of on-line computer system performance during disturbances, as required by Document B-12.
Latest Review: February 2002
Frequency of Reviews: As Required

Status/ Comments: There was no disturbance to report at the February meeting.

91) Review On-Line Computer System Status Reports
Description: Review of member on-line computer system statuses and plans.
Latest Review: February 2002
Frequency of Reviews: As Required

Status/ Comments: Member system status reports were reviewed at the February Task Force meeting. Such reviews include highlights of each system's Energy Management System status and planned system enhancements.

Working Groups/Ad Hoc Assignments

92) EMT-1 Energy Management Technology Workshop Working Group
Assignment: 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.
2002 Budget: \$5000
Expense to Date: \$0
Last Workshop: May 14-15, 1998
Next Workshop: May 16, 2002

Status/ Comments: The TFEMT has a workshop scheduled for May 16, 2002 in Montreal, Canada.

TASK FORCE ON ENERGY MANAGEMENT TECHNOLOGY

PROGRAM ITEM NUMBER

Working Groups/Ad Hoc Assignments

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|-----|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| 94) | 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. Also monitor IEEE and CIGRÉ efforts. | Latest Review: February 2002
Frequency of Reviews: As Required |
|-----|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|

Status/ Comments: This is an ongoing effort to facilitate communications with other groups pursuing similar interests in order to enhance the knowledge of the Task Force on Energy Management Technology regarding current technologies. The majority of efforts in this area are currently being directed at participation in the NERC Data Exchange, Telecommunications Working Group and Critical Infrastructure Protection Working Group efforts.

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|-----|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| 95) | Ad Hoc Working Group on Information Exchange | Assignment: Develop a document discussing communication channels, company contacts and coordination of outages. | Latest Review: April 2000
Frequency of Reviews: Completed |
|-----|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|

Status/ Comments: The Ad Hoc Working Group on Information Exchange has prepared a collection of presentations related to communication or operating tools, communication channel descriptions which is available on the web site at the following URL: ftp://www.npcc.org/bbs/NPCC_task_forces/TFEMT/Information_Exchange_Pres/.

This Ad Hoc Working Group has completed its task.

TASK FORCE ON ENERGY MANAGEMENT TECHNOLOGY

PROGRAM ITEM NUMBER

Documents

109)	Task Force Scope	Description: This document outlines the Task Force on Energy Management Technology scope of activities.	Latest Review	September 28, 2000
			Frequency of Reviews:	3 Years
			Next Review Date:	March 2003

Status/ Comments: As directed by the RCC at the March 21, 2000 meeting, the TFEMT and the TFSP are discussing potential changes in their scopes necessary to clearly define their respective roles regarding areas of complementary or overlapping interests.

TASK FORCE ON SYSTEM PROTECTION

PROGRAM ITEM NUMBER

Documents

57)A-4	Maintenance Criteria for Bulk Power System Protection	Description: This document establishes the maintenance intervals and practices which should result in dependable and secure protection system operation.	Latest Version: December 2000 Frequency of Reviews: 3 years Next Review Date: December 2003
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Status/ Comments:

58)A-5	Bulk Power System Protection Criteria	Description: 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: September 1998 Frequency of Reviews: 3 Years Next Review Date: September 2004
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Status/ Comments: As part of the triennial review, the TFSP has posted the recommended revisions to A-5 in the NPCC Open Process. All comments have been addressed. Some editing issues remain for clarification, after which the revised A-5 will be submitted for endorsement by the RCC at the June 2002 meeting and for approval by the membership. Also reference item 62 and 114.

59)B-1	Guide for the Application of Autoreclosing to the Bulk Power System	Description: This document establishes guidelines for automatic reclosing to facilitate restoration of the system to normal following automatic tripping of transmission facilities.	Latest Version: March 2, 1999 Frequency of Reviews: 3 Years Next Review Date: March 2002
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Status/ Comments: The TFSP has initiated a review of this Guide.

TASK FORCE ON SYSTEM PROTECTION

PROGRAM ITEM NUMBER

Documents

61)B-7	Automatic Underfrequency Load Shedding Program Relaying Guideline	Description: 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 2, 1999 Frequency of Reviews: 3 Years Next Review Date: March 2002
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Status/ Comments: The TFSP has initiated a review of this Guide.

62)B-11	Special Protection System Guideline	Description: This guideline categorizes the Special Protection System (SPS) according to the Criteria fault for which it is designed and the impact its failure would have on the network. It further provides guidelines for the design, testing and operation of the SPS.	Latest Version: March 2, 1999 Frequency of Reviews: 3 Years Next Review Date: March 2002
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Status/ Comments: This document is being recommended for conversion to an "A-11" criteria document. The proposed revisions have been posted in the NPCC Open Process. All comments have been addressed. Some editing issues for clarification remain, after which an A-11 will be submitted for endorsement by the RCC at the June 2002 meeting and for approval by the membership.

63)B-21	Guide for Analysis and Reporting of Protection System Misoperations	Description: 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: March 2001 Frequency of Reviews: 3 years Next Review Date: March 2004
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Status/ Comments:

TASK FORCE ON SYSTEM PROTECTION

PROGRAM ITEM NUMBER

Documents

64)C-22	Procedure for Reporting and Reviewing Proposed Protection Systems for the Bulk Power System	Description: 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: April 14, 1999 Frequency of Reviews: 3 Years Next Review Date: April 2002
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Status/ Comments: The TFSP has initiated a review of this procedure.

68)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: December 6, 1999 Frequency of Reviews: 3 Years Next Review Date: December 2002
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Status/ Comments: The TFSP has initiated a review of this procedure.

69)	Task Force Scope	Description: This document outlines the Task Force on System Protection scope of activities.	Latest Version: June 29, 1999 Frequency of Reviews: 3 Years Next Review Date: June 2002
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Status/ Comments: As directed by the RCC at the March 21, 2000 meeting, the TFSP and TFEMT are reviewing clarifications to their scopes to define their respective roles regarding areas of complementary or overlapping interests.

TASK FORCE ON SYSTEM PROTECTION

PROGRAM ITEM NUMBER

Surveys/Reviews

- 70) 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).
- Latest Version:** Ongoing
- Frequency of Reviews:** As Required
- Status/ Comments:** At each meeting, the TFSP discusses protection system changes, including SPS installations and modifications, as proposed by entities within NPCC.
- 114) 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:** Ongoing
- Frequency of Reviews:** As Required
- 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. The TFSP completed the review of the NERC/DAWG System Disturbance Report for 2000 that has recently been published and concluded that no issues indicated that changes were necessary in the NPCC protection criteria.

TASK FORCE ON SYSTEM PROTECTION

PROGRAM ITEM NUMBER

Working Groups/Ad Hoc Assignments

123)	Protection System Maintenance Practices	Assignment: Collect Bulk Power System protection system maintenance data on an annual basis to enable the TFSP to evaluate protection system maintenance costs and the impact on Bulk Power System performance due to alternative methods and intervals for protection system maintenance.	Completion Date: Deferred Frequency of Reviews: 3 years Next Review Date: December 2001
		Status/ Comments: At its March 27-28, 2001 meeting, the TFSP agreed that there might not be sufficient new data to justify a review of maintenance intervals. TFSP members are reviewing available data to make an assessment. Also reference item 57.	

TASK FORCE ON SYSTEM STUDIES

PROGRAM ITEM NUMBER

Working Groups/Ad Hoc Assignments

)CP10	Collabrative 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. Future study this group will undertake will involve solving the problem bottlenecks and an economic evaluation of those solutions.	Latest Version:	Being Drafted
Status/ Comments: Will present Phase one of the Study to the RCC for approval at their March 2002 meeting. Future study efforts will yield further reporting in mid 2002.				

Documents

71)B-4	Guidelines for NPCC Area Transmission Reviews	Description: 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:				
72)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"	Description: 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:	June 26, 1998
			Frequency of Reviews:	3 years
			Next Review Date:	January 2002
Status/ Comments: The document is currently undergoing revision by the Task Force and will be presented to the RCC for approval at their June 2002 meeting				

TASK FORCE ON SYSTEM STUDIES

PROGRAM ITEM NUMBER

Documents

73)C-18	Procedure for Testing and Analysis of Extreme Contingencies	Description: 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 2002
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Status/ Comments: This document is currently under review.

74)C-25	Procedure to Collect Real Time Data for Inter-Area Dynamic Analysis	Description: 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
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Status/ Comments:

75)	Task Force Scope	Description: The Task Force on System Studies scope of activities.	Latest Version: February 1997 Frequency of Reviews: 3 Years Next Review Date: January 2002
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Status/ Comments: No necessary revisions to the scope have yet been identified. The Task Force Chairman is currently reviewing the document and the Scope will be discussed at the November 15, 2001 TFSS meeting.

TASK FORCE ON SYSTEM STUDIES

PROGRAM ITEM NUMBER

Surveys/Reviews

76) NPCC Area Transmission Review **Description:** Review of New York Area future transmission plans (4-6 years out) **Latest Version:** November 2000
Frequency of Reviews: 1 Year
Next Review Date: December 2001

Status/ Comments: Will be presented to the RCC at their March 2002 meeting for approval

77) NPCC Area Transmission Review **Description:** Review of New England Area future transmission plans (4-6 years out) **Latest Version:** March 2001
Frequency of Reviews: 1 Year
Next Review Date: March 2002

Status/ Comments: An interim review will be conducted in 2002

78) NPCC Area Transmission Review **Description:** Review of Ontario Area future transmission plans (4-6 years out) **Latest Version:** December 1999
Frequency of Reviews: 1 Year
Next Review Date: December 2001

Status/ Comments: Ontario is currently conducting an Interim Area review for 2001 and a Comprehensive Area Review in 2002.

TASK FORCE ON SYSTEM STUDIES

PROGRAM ITEM NUMBER

Surveys/Reviews

79) NPCC Area Transmission Review **Description:** Review of Québec Area future transmission plans (4-6 years out) **Latest Version:** September 2000
Frequency of Reviews: 1 Year
Next Review Date: December 2001

Status/ Comments: Transenergie is conducting a Comprehensive Area Review for 2001.

80) NPCC Area Transmission Review **Description:** Review of Maritime Area (New Brunswick and Nova Scotia) future transmission plans (4-6 years out) **Latest Version:** June 1999
Frequency of Reviews: 1 Year
Next Review Date: November 2001

Status/ Comments: Will be presented at the March RCC meeting for Approval.

81)SS-38 Adequacy of Automatic Load Shedding Programs **Description:** Assessment of the adequacy and suitability of existing underfrequency load shedding settings. **Latest Version:** February 1998
Frequency of Reviews: 3 Years
Completion Date: December 2001

Status/ Comments: An assessment study is currently underway See item #86.

TASK FORCE ON SYSTEM STUDIES

PROGRAM ITEM NUMBER

Surveys/Reviews

82)	Creation of Base Case Library	Description: On an annual basis, develop a library of solved load flow cases and associated dynamic data.	Latest Version: November 2001
			Frequency of Reviews: 1 Year
			Completion Date: November 2002

Status/ Comments: All load flow cases required as part of the 2001 Base Case Development effort were completed and submitted to the NERC MMWG. See item # 85.

Several load flow base case models and associated dynamic data were developed for and have been used in the Overall Transmission study conducted by SS-38.

83)SS-38	Overall Transmission Reliability Study	Description: 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 2001
			Frequency of Reviews: 3 Years
			Completion Date: May 2004

Status/ Comments: The SS-38 Working Group has conducted the Overall Transmission Reliability Study. Several load flow base case models and associated dynamic data modeling 2006 peak and light load conditions have been developed and were fine-tuned. The Study simulates contingencies in each of the NPCC Areas plus PJM to determine the overall robustness of the system. A draft report has been prepared and was reviewed by TFSS. Some minor edits remain and the final report was approved by TFSS at their July 19-20 meeting.

84)SS-38	Review of Dynamic Analysis Recording Devices	Description: 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 2002

Status/ Comments: The survey and associated report is available on the NPCC web site under TFSS, Archives.

TASK FORCE ON SYSTEM STUDIES

PROGRAM ITEM NUMBER

Working Groups/Ad Hoc Assignments

85)SS-37	Base Case Development	Assignment: On an annual basis, develop a library of solved load flow cases and associated dynamic data.	2002 Budget:	\$30,000
			Expense to Date:	\$1,250
			Completion Date:	Ongoing

Status/ Comments: All load flow cases required for the NPCC year 2001 Base Case Development effort have been completed and submitted, with the associated dynamics data, to NERC MMWG. The group is currently working on the schedule and cases for the 2002 Base Case Development.

86)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.	2000 Budget:	\$20,000
			Expense to Date:	\$10,250
			Completion Date:	Ongoing

Status/ Comments: As assigned by TFSS, SS-38 has conducted the Overall NPCC Transmission Study to determine the overall robustness of the system from inter-area and inter-regional perspectives. The study has received TFSS approval. The SS38 is also studying the UFLS program in NPCC to determine its effectiveness and verify it is coordinated both from an inter-Area and inter-Regional perspective.

MACC - ECAR - NPCC (MEN)

PROGRAM ITEM NUMBER

Study Committees

96) 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: Ongoing

Status/ Comments: The 2002 Summer MEN Interregional Transmission System Reliability Assessment is being completed and will be provided to the Joint Interregional Review Committee prior to its May 8, 2002 meeting. Also reference items 97 and 98.

Working Groups/Ad Hoc Assignments

97) 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.

2000 Budget: \$12,000

Expense to Date: \$7,000

Completion Date: November 2000

Status/ Comments: The Working Group developed the 2002 Summer Study Base Case and provided to industry participants for use. Transfer capability studies were conducted and the draft 2002 Summer MEN Interregional Transmission System Reliability Assessment is currently being prepared.

MACC - ECAR - NPCC (MEN)

PROGRAM ITEM NUMBER

Working Groups/Ad Hoc Assignments

98)FSWG	MEN Future Systems Working Group	Assignment: The MEN Future Systems Working Group, under the direction of the MEN Study Committee, conducts appraisals of the MAAC-ECAR-NPCC (MEN) interregional system performance for projected future conditions.	2000 Budget:	\$0
			Expense to Date:	\$0

Status/ Comments: The MEN Future Systems Working Group is not staffed. At the April 5-6, 2001 Joint VEM/MEN Study Committee meeting the groups discussed regional studies currently underway or planned. ECAR is planning to do a study of year 2005 conditions. The NPCC CP-10 Collaborative Planning Initiative work is underway. MAAC is planning an internal study of year 2004-2005 conditions. VACAR is conducting a year 2005 study. Because of the uncertainties regarding generation additions in the MEN/VEM region the JIRC determine to defer a future study for the time being.

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL (NERC)

PROGRAM ITEM NUMBER

Working Groups/Ad Hoc Assignments

99)RAS Reliability Assessment Subcommittee (RAS) **Assignment:** 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. **Completion Date:** November 2001

Status/ Comments: The Reliability Assessment Subcommittee's report on "Reliability Assessment 2001-2010" was approved at the October BOT meeting. The RAS finalized its assessment of winter 2001/2002 operating conditions at its October meeting.

100)PSS Planning Standards Subcommittee **Assignment:** The PSS, as charged by the NERC Engineering Committee, assesses and evaluates the NERC Planning Standards **Completion Date:** Ongoing

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 and has developed the Bulk Power System Definition slated to go to the NERC Planning Committee at their November meeting .

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL (NERC)

PROGRAM ITEM NUMBER

Working Groups/Ad Hoc Assignments

101)MMWG	Multiregional 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.	2000 Budget:	\$12,000
			Expense to Date:	\$3,126
			Completion Date:	Ongoing

Status/ Comments: The MMWG was directed to review and update the existing data release policies for power flow and dynamic data and models. In 2002, MMWG will assemble five dynamic models and eleven load flow models that will constitute the 2002 base case library. The NPCC SS-37 Working Group on Base Case Development provides the NPCC data for the base case library development.

102)LFWG	Load Forecasting Working Group	Assignment: Annually develops sensitivity bandwidths (for completion each July) about the US and Canadian forecast aggregations of peak demand and annual net energy for load. Develop the LFWG Position Paper on Preparing Demand Forecasts in a Deregulated Market to aggregate Transco/Disco forecasts within the Regions.	Completion Date:	Ongoing
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Status/ Comments: The LFWG met February 15-16, 2001 to discuss aggregate projected demand bandwidth calculations including preparations for the "Peak Demand and Energy Projection Bandwidths: 2001-2010 " report. LFWG discussed how efforts of the Reliability Assessment Subcommittee (RAS) and the LFWG are converging. The LFWG also discussed providing additional information to RAS on forecasting uncertainties and the difficulties that could be experienced if regional forecast bandwidths were required in the future.

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL (NERC)

PROGRAM ITEM NUMBER

Working Groups/Ad Hoc Assignments

104)DCWG Data 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:** Ongoing

Status/ Comments: The NERC DCWG met on October 18, 2001 with representatives from EIA to discuss next year's data collection effort. EIA intends a major overhaul of the data requirements, planned for year 2002. The EIA is planning to significantly expand the program next year and the DCWG has been engaged with EIA to persuade them to better coordinate this expanded program and its reporting requirements with other government agencies to reduce the burden on the membership. NPCC has submitted written comments to the OMB on behalf of its members.

105)SDDWG System Dynamics Database Working Group **Assignment:** Develop a library of dynamic simulation models for use by the Regions and their member systems in planning and evaluating future systems and current operating conditions. **2000 Budget:** \$15,000
Expense to Date: \$0
Completion Date: Ongoing

Status/ Comments: The SDDWG has now merged with the MMWG and the name MMWG has been retained for both groups.

**NPCC RELIABILITY ASSESSMENT PROGRAM
STATUS REPORT**

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL (NERC)

PROGRAM ITEM NUMBER

Working Groups/Ad Hoc Assignments

106)	ATC Implementation Working Group	Assignment: Review the procedures developed by the Regions (or sub-regions) for determining ATC to ensure that the procedures are in concert with the ATC Principles in NERC's June 1996 Available Transfer Capability Definitions and Determination report.	Completion Date: Ongoing
Status/ Comments: The NERC ATCWG his preparing to monitor regional activity regarding the field testing of the TTC, ATC, TRM and CBM Standards. This review is to be completed by June 2001. The group has also submitted a remediation plan to NERC and is developing the NPCC Regional Data Posting System which is a web page containing TTC-ATC Area information. The group has also drafted a set of comments to Phase IIB of the NERC Compliance Program.			
110)CRS	Compliance Review Subcommittee	Assignment 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.	Completion Date: Ongoing
Status/ Comments: 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 working jointly with the PSS on revising the Phase III Planning Standards Templates but is considering if this is necessary in light of the implementation of the NOSP; continuing development of sanctions/penalties matrices, and discussing means to streamline the implementation of the NERC Compliance Program.			

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL (NERC)

PROGRAM ITEM NUMBER

Working Groups/Ad Hoc Assignments

111)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: Ongoing
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Status/ Comments: Compliance Subcommittee review future Operating Compliance Templates.

NPCC RELIABILITY ASSESSMENT PROGRAM

STATUS REPORT

BUDGET SUMMARY

ITEM NUMBER	PROJECT DESCRIPTION	2002 BUDGET	2002 EXPENSE
30	CO-1 Control Performance Working Group	\$23,400	\$11,600
31	CO-2 Dispatcher Training Working Group	\$20,800	\$
32	CO-7 Operational Review Team Working Group	\$9,100	\$
33	CO-8 System Operations Managers Working Group	\$19,500	\$7,950
116	CO-9 Operational Policies Working Group	\$22,750	\$
	CO-10 Operational Tools Working Group	\$19,500	\$
	CMAS		\$650
	LESPWG Lake Erie Security Process Working Group	\$15,600	\$1,300
36	ATCWG Available Transfer Capability Working Group	\$9,750	\$
	IRCWG Inter-Control Area Restoration Coordination Working Group	\$9,000	\$6,100
52	CP-8 Resource and Transmission Adequacy Working Group	\$60,000	\$1,000
	CP-9 Review of NERC Planning Standards	\$31,200	\$
	CP-10 Collaborative Planning Initiative Working Group	\$20,800	\$3,450
	CP-11 Working Group to Review NPCC Basic Criteria for Design and Operation of Interconnected Power Systems	\$46,800	\$
56	JGWG Joint Glossary Working Group	\$5,000	\$
85	SS-37 Working Group on NPCC Base Case Development	\$30,000	\$4,050
86	SS-38 Working Group on Reliability Review of Inter-Area Operation	\$30,000	\$5,700
92	EMT-1 Energy Management Technology Workshop Working Group	\$5,000	\$
97	MEN MAAC-ECAR-NPCC Activities	\$12,000	\$
101	MMWG Multiregional Modeling Working Group	\$8,000	\$
	NERCWG NERC Subcommittees, Working Groups and Task Forces	\$	\$
	NERC-ISN Interregional Security Network(ISN)	\$106,000	\$
	STAFF	\$	\$
	TFSS		\$1,300
	TOTAL	\$504,200	\$43,100