June 21, 2001

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, June 2001

The June 2001 NPCC Reliability Assessment Program (NRAP) Status Report will be updated in time for consideration at the June 28, 2001 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 provided at the June 28, 2001 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
Northeast Power Coordinating Council
Reliability Assessment Program

STATUS REPORT

June 2001

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
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APPENDICES
A) Budget Summary
B) Goals and Responsibilities
Highlights

**ITEM NUMBER**

**Compliance Monitoring and Assessment Subcommittee (CMAS)**

CMAS now has its own section in the NPCC Reliability Assessment Program (NRAP) Status Report.

**Task Force on Coordination of Operation (TFCO)**

NPCC will secure the services of Mr. Peter Czech as a consultant to be charged with establishing a framework to reorder NPCC operational policy to ensure that requirements, and policy language which may be inferred as a requirement, are directed only through NPCC criteria documents. The goal of the effort will be to develop three groupings of NPCC Operational Policy: criteria, compliance templates and procedures (or reference documents). Ultimately, all operational Guidelines (B documents) would be eliminated, with the language to be relocated to a procedural document or a criterion.

**Task Force on Coordination of Planning (TFCP)**

At the November 9, 2000 meeting, the RCC will consider the New York Area Comprehensive Transmission Review as approved by the TFSS and the TFCP.

**Task Force on System Protection (TFSP)**

Nothing to Report
Task Force on System Studies (TFSS)

79) The New England Area Interim Transmission Review

The New England Area Interim Transmission Review has been reviewed and approved by the TFSS. Document B-4, C-25 and C-29 are currently posted for open process review. The TFSS has also approved the SS-38, 2000 Overall Transmission Assessment Report subject to some minor revisions, the report will be presented to RCC for final approval in November.
## Documents

<table>
<thead>
<tr>
<th>Program Item Number</th>
<th>Description</th>
<th>Latest Version</th>
<th>Frequency of Reviews</th>
<th>Next Review Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>117)A-8</td>
<td>Reliability Compliance and Enforcement Program</td>
<td>November 2000</td>
<td>1 year</td>
<td>November 2001</td>
</tr>
<tr>
<td></td>
<td><strong>Description:</strong> The process and requirements are defined for compliance assessment and enforcement of selected reliability criteria and standards.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>118)B-22</td>
<td>Guidelines for the Implementation of the Reliability Compliance and Enforcement Program (RCEP)</td>
<td>November 9, 2000</td>
<td>1 Year</td>
<td>November 2001</td>
</tr>
<tr>
<td></td>
<td><strong>Description:</strong> 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.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td><strong>Description:</strong> 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Status/Comments

- **117)A-8:** CMAS is considering changes to the compliance templates to better reflect the NPCC criteria and reporting requirements. Also reference items 118 and 119.
- **118)B-22:** Reference items 117 and 119.
- **119)C-32:** Also reference items 117 and 118.
<table>
<thead>
<tr>
<th>Program Item Number</th>
<th>Description</th>
<th>Latest Version</th>
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<th>Next Review Date</th>
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<tbody>
<tr>
<td>120</td>
<td>Minimum Maintenance Compliance Survey</td>
<td>June 29, 2000</td>
<td>1 Year</td>
<td>June 2001</td>
</tr>
<tr>
<td></td>
<td>Description: This report summarizes member system compliance with the</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Status/ Comments:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>121</td>
<td>Survey of Compliance with the NPCC Underfrequency Load Shedding Program</td>
<td>June 29, 2000</td>
<td>1 Year</td>
<td>June 2001</td>
</tr>
<tr>
<td></td>
<td>Description: These reports summarize Area compliance with sections 4.6 and</td>
<td></td>
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<tr>
<td></td>
<td>4.9 of the &quot;Emergency Operation Criteria&quot; (Document A-3).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Status/ Comments:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 held a kick off meeting on March 29 and a second meeting on May 24. CO-10 is presently working on confirmation of timestamps among the five NPCC Areas for use in Area Control Error Diversity Interchange implementation. CO-10 is also coordinating the TFCO comments to the NERC Electronic Scheduling Collaborative Business Practices posting for open review. CO-10 will also assist in the implementation of and communicate progress on the Common Power System Model Project, Etag 1.7, OASIS II and FIST.

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: January 2002

Status/Comments: A revised NPCC Document A - 3, Emergency Operation Criteria, addressing restoration facility identification and periodic testing, is now being balloted by the NPCC Membership. Also reference items 10, 18, 19, 23 and 29.
## Documents

<table>
<thead>
<tr>
<th>Document Code</th>
<th>Title</th>
<th>Description</th>
<th>Latest Version</th>
<th>Frequency of Reviews</th>
<th>Next Review Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>2A-6</td>
<td>Operating Reserve Criteria</td>
<td>Objectives, principles and requirements are presented that govern the amount, availability and distribution of operation reserve.</td>
<td>September 1998</td>
<td>3 Years</td>
<td>September 2001</td>
</tr>
<tr>
<td>3B-2</td>
<td>Control Performance Guide During Normal Conditions</td>
<td>Standards are established with which the NPCC Areas and systems within the Areas may measure control performance.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4B-3</td>
<td>Guidelines for Inter-AREA Voltage Control</td>
<td>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.</td>
<td>November 6, 1997</td>
<td>3 Years</td>
<td>November 2001</td>
</tr>
</tbody>
</table>

**Status/ Comments:**
- A revised draft of A-06 is now receiving public comment through the NPCC Open Review Process. Also reference items 13, 18 and 27.
- Also reference items 12 and 26. The standards in NPCC Document B-2 have been embodied in NPCC Document A-8, approved by the NPCC membership on November 9, 2000.
- 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.
<table>
<thead>
<tr>
<th>Documents</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5)B-9 Guide for Rating Generating Capability</strong></td>
</tr>
<tr>
<td><strong>Description:</strong> Standards for rating and verifying net generating capability are established.</td>
</tr>
<tr>
<td><strong>Latest Version:</strong> November 1998</td>
</tr>
<tr>
<td><strong>Frequency of Reviews:</strong> 3 Years</td>
</tr>
<tr>
<td><strong>Next Review Date:</strong> November 2001</td>
</tr>
<tr>
<td><strong>Status/ Comments:</strong> Also reference items 11 and 25. AI requirements of NPCC Document B-9 will be transferred to the appropriate criterion document; remaining language will be established in a new Reference Document.</td>
</tr>
</tbody>
</table>

| **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:** November 2001                                         |
| **Status/ Comments:** AI requirements of NPCC Document B-13 will be transferred to the appropriate criterion document; remaining language will be established in a new Reference Document. |

| **8)C-3 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:** March 2000                                            |
| **Frequency of Reviews:** 1 Year                                           |
| **Next Review Date:** June 2001                                           |
| **Status/ Comments:** Reference also item 16. NPCC Document C-3 will be redrafted to coordinate with the proposed restructuring of the NERC Hotline currently in progress at the June 19 and 20, 2001, meeting of the TFCO. |
### Documents

<table>
<thead>
<tr>
<th>Program Item Number</th>
<th>Description</th>
<th>Latest Version</th>
<th>Frequency of Reviews</th>
<th>Next Review Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>9)C-4</td>
<td>Monitoring Procedures for Guidelines for Inter-Area Voltage Control</td>
<td>Procedures are established for the Task Force on Coordination of Operation’s monitoring and reporting of conformance with NPCC’s Guidelines for Inter-Area Voltage Control.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Status/Comments

9)C-4  
**Description:** Procedures are established for the Task Force on Coordination of Operation’s monitoring and reporting of conformance with NPCC’s Guidelines for Inter-Area Voltage Control.  
**Latest Version:**  
**Frequency of Reviews:**  
**Next Review Date:**  

10)C-5  
**Description:** Procedures are established for the Task Force on Coordination of Operation’s monitoring and reporting of conformance with NPCC’s Emergency Operation Criteria.  
**Latest Version:**  
**Frequency of Reviews:**  
**Next Review Date:**  

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**Status/Comments:**  
Also reference items 4 and 22. The NPCC Task Force on Coordination of Operation and the NPCC Compliance Monitoring and Assessment Subcommittee have collaborated to replace Procedures which formerly directed monitoring and surveying efforts with appropriate self-certification form. It has been proposed that the Procedure C-04 be replaced with “Self-Certification Form C-4: Triennial Monitoring and Reporting Requirements for Guidelines for Inter-Area Voltage Control (Document B-03).” The TFCO will have acted on this recommendation at its meeting of June 19 and 20, 2001; the CMAS will do so at its meeting of August 6, 2001. Upon the conversion of the Procedure to the Self-Certification Form, the CMAS will supervise the monitoring of the compliance initiatives stated in Self-Certification Form C-4.

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**Status/Comments:**  
Also reference items 1, 23 and 29. The NPCC Task Force on Coordination of Operation and the NPCC Compliance Monitoring and Assessment Subcommittee have collaborated to replace Procedures which formerly directed monitoring and surveying efforts with appropriate self-certification form. It has been proposed that the Procedure C-05 be replaced with “Self-Certification Form C-5: Triennial Monitoring and Reporting Requirements for A-03, Emergency Operation Criteria (Document A-03).” The TFCO will have acted on this recommendation at its meeting of June 19 and 20, 2001; the CMAS will do so at its meeting of August 6, 2001. Upon the conversion of the Procedure to the Self-Certification Form, the CMAS will supervise the monitoring of the compliance initiatives stated in Self-Certification Form C-5.
**Description:** Procedures are established for the Task Force on Coordination of Operation’s monitoring and reporting of conformance with NPCC’s Guide for Rating Generating Capability. 

**Latest Version:** 
**Frequency of Reviews:** 
**Next Review Date:** 

**Status/ Comments:** Also reference items 5 and 25. The NPCC Task Force on Coordination of Operation and the NPCC Compliance Monitoring and Assessment Subcommittee have collaborated to replace Procedures which formerly directed monitoring and surveying efforts with appropriate self-certification form. It has been proposed that the Procedure C-07 be replaced with “Self-Certification Form C-7: Triennial Monitoring and Reporting Requirements for Guide for Rating Generating Capability (Document B-9).” The TFCO will have acted on this recommendation at its meeting of June 19 and 20, 2001; the CMAS will do so at its meeting of August 6, 2001. Upon the conversion of the Procedure to the Self-Certification Form, the CMAS will supervise the monitoring of the compliance initiatives stated in Self-Certification Form C-7.

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:** 
**Frequency of Reviews:** 
**Next Review Date:** 

**Status/ Comments:** Also reference items 3 and 26. The monitoring procedures and methodology of NPCC Document C-8 have been embodied in NPCC Document A-8, approved by the NPCC membership on November 9, 2000.
<table>
<thead>
<tr>
<th>Documents</th>
<th>Description</th>
<th>Latest Version</th>
<th>Frequency of Reviews</th>
<th>Next Review Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>13)C-9 Monitoring Procedures for Operating Reserve Criteria</td>
<td>Procedures are established for the Task Force on Coordination of Operation's monitoring and reporting of conformance with NPCC's Operating Reserve Criteria</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Status/ Comments:** Also reference items 2 and 27. The monitoring procedures established in NPCC Document C-9 have been embodied in NPCC Document A-8, approved by the NPCC membership on November 9, 2000. The NPCC Task Force on Coordination of Operation and the NPCC Compliance Monitoring and Assessment Subcommittee have collaborated to replace Procedures which formerly directed monitoring and surveying efforts with appropriate self-certification form. It has been proposed that those compliance provisions in Procedure C-09 be replaced with “Self-Certification Form C-9: Monthly and Annual Monitoring and Reporting Requirements for NPCC Operating Reserve Criteria (Documents A-06 and C-09).” The TFCO will have acted on this recommendation at its meeting of June 19 and 20, 2001; the CMAS will do so at its meeting of August 6, 2001. As part of its compliance program, the CMAS currently monitors compliance with NPCC operating reserve requirements.

| 14)C-11 Monitoring Procedures for Interconnected System Frequency Response | Procedures are established for monitoring and reporting the frequency responses to large generation losses. | March 25, 1998 | 3 Years              | November 2001   |

**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:** May 2004  
**Status/ Comments:** A revised draft of NPCC Document C-12 has concluded its posting for comments through the NPCC Process for Open Review and been approved by the Task Force on Coordination of Operation.

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:** November 2001  
**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.

**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.
### Documents

#### 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.

<table>
<thead>
<tr>
<th>Latest Version:</th>
<th>November 2001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency of Reviews:</td>
<td></td>
</tr>
<tr>
<td>Next Review Date:</td>
<td></td>
</tr>
</tbody>
</table>

**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.

#### 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.

<table>
<thead>
<tr>
<th>Latest Version:</th>
<th>March 1999</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency of Reviews:</td>
<td>3 Years</td>
</tr>
<tr>
<td>Next Review Date:</td>
<td>March 2002</td>
</tr>
</tbody>
</table>

**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.
Documents

20) C-21 Monitoring Procedures for Conformance with Normal and Emergency Transfer Limits

Description: This Procedure establishes TFCO monitoring and reporting requirements for transfer limits during normal and emergency operations as stipulated in NPCC Document A-2, Basic Criteria for Design and Operation of Interconnected Power Systems.

Latest Version: 
Frequency of Reviews
Next Review Date:

Status/Comments: Also reference items 24 and 38. The NPCC Task Force on Coordination of Operation and the NPCC Compliance Monitoring and Assessment Subcommittee have collaborated to replace Procedures which formerly directed monitoring and surveying efforts with appropriate self-certification form. It has been proposed that the Procedure C-21 be replaced with “Self-Certification Form C-21: Triennial Monitoring and Reporting Requirements for Transfer Limits During Normal and Emergency Operations as Stipulated in the Basic Criteria for Design and Operation of Interconnected Power Systems (Document A-02).” The TFCO will have acted on this recommendation at its meeting of June 19 and 20, 2001; the CMAS will do so at its meeting of August 6, 2001. Upon the conversion of the Procedure to the Self-Certification Form, the CMAS will supervise the monitoring of the compliance initiatives stated in Self-Certification Form C-21.

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

Status/Comments: The RCC approved the revised TFCO scope at its meeting of June 29, 1999.
NPCC RELIABILITY ASSESSMENT PROGRAM
STATUS REPORT

TASK FORCE ON COORDINATION OF OPERATION

PROGRAM ITEM NUMBER

Surveys/Reviews

22) Survey on conformance with the Guidelines for Inter-AREA Voltage Control

**Description:** As charged in the Monitoring Procedure C-4, each Area must successfully respond to a set of directives in order to demonstrate conformance with the Guidelines for Inter-AREA Voltage Control.

**Latest Version:**

**Frequency of Reviews**

**Next Review Date:**

**Status/ Comments:** Also reference items 4 and 9. These compliance monitoring responsibilities have been assumed by the CMAS as directed through NPCC Document C-26.

23) Survey on conformance with the Emergency Operation Criteria

**Description:** As charged in the Monitoring Procedure C-5, each Area must successfully respond to a set of directives in order to demonstrate conformance with the Emergency Operation Criteria.

**Latest Version:**

**Frequency of Reviews**

**Next Review Date:**

**Status/ Comments:** Also reference items 1, 10 and 19. These compliance monitoring responsibilities have been assumed by the CMAS as directed through NPCC Document C-26.

24) Monitoring and reporting of conformance with the provisions of operating limits as specified in the Basic Criteria for Design and Operation of Interconnected Power Systems

**Description:** As charged in the Monitoring Procedure C-21, each Area must demonstrate conformance to the testing criteria stated in the Basic Criteria for Design and Operation of Interconnected Power Systems.

**Latest Version:**

**Frequency of Reviews**

**Next Review Date:**

**Status/ Comments:** Also reference items 20 and 38. These compliance monitoring responsibilities have been assumed by the CMAS as directed through NPCC Document C-26.
### Program Item Number

**25)** Survey on conformance with the Guide for Rating Generating Capability  
**Description:** As charged in the Monitoring Procedure C-7, each Area must state that it can verify the net capability of its generating capacity.  
**Latest Version:**  
**Frequency of Reviews**  
**Next Review Date:**  
**Status/ Comments:** Also reference items 5 and 11. These compliance monitoring responsibilities have been assumed by the CMAS as directed through NPCC Document C-26.

| Survey on conformance with the Control Performance Guide During Normal Conditions  
**Description:** The Task Force on Coordination of Operation reports annually to the Reliability Coordinating Committee on the control performance of the Areas as demonstrated by conformance with the CPS1 and CPS2 standards as presented in the Monitoring Procedure C-8.  
**Latest Version:** March 2001  
**Frequency of Reviews** See Status / Comments  
**Next Review Date:** June 2001  
**Status/ Comments:** TFCO and CMAS are discussing the responsibility for all compliance monitoring and assessments; however, the TFCO will continue to jointly monitor compliance with CPS-1, CPS-2 and DCS on an ongoing monthly basis due to the criticality of this criterion. Also reference items 3 and 12.

| Survey on conformance with the Operating Reserve Criteria  
**Description:** The Task Force on Coordination of Operation reports annually to the Reliability Coordinating Committee on the conformance of the Areas with the Operating Reserve Criteria as demonstrated by surveying the ability of the Areas to return to pre-contingency conditions within ten minutes of a defined reportable event as outlined in the Monitoring Procedure C-9.  
**Latest Version:** March 2001  
**Frequency of Reviews** See Status / Comments  
**Next Review Date:** June 2001  
**Status/ Comments:** Also reference items 2 and 13. The responsibilities for monitoring and assessing operational surveys has been assumed by the CMAS. However due to the criticality of the NERC Standards CPS-1, CPS-2 and DCS, the TFCO and the CMAS will continue to jointly monitor compliance with these standards on a monthly basis.
Surveys/Reviews

28) Survey of NPCC Transmission Facilities 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:** May 2001

**Frequency of Reviews:** 1 Year

**Next Review Date:** May 2002

**Status/ Comments:** The TFCO finalized the 2001 document at its meeting of May 2001. Also reference item 16.

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 a revision to A-03 which adds the specificity of requirements for testing those facilities critical to system restoration.
### Working Groups/Ad Hoc Assignments

#### 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.

**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).

<table>
<thead>
<tr>
<th>2000 Budget:</th>
<th>$20,300</th>
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</thead>
<tbody>
<tr>
<td>Expense to Date:</td>
<td>$4,450</td>
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</tbody>
</table>

#### 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.

**Status/Comments:** The Dispatcher Training Working Group (CO-2) conducted its spring training seminar on May 3-4, 2001, at the Control Center of New Brunswick Power. The session was well attended, with fifty control personnel participating, and the program itself was well received.

<table>
<thead>
<tr>
<th>2000 Budget:</th>
<th>$22,350</th>
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<tbody>
<tr>
<td>Expense to Date:</td>
<td>$7,000</td>
</tr>
<tr>
<td>Next Seminar:</td>
<td>May 2001</td>
</tr>
</tbody>
</table>
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

**Status/ Comments:** The Working group has been populated and will begin its audits in the year 2001, providing technical support in coordination with the CMAS.

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

**Status/ Comments:** The CO-8 Working Group is currently directing the redrafting of NPCC Document A-06, and it is reviewing the efficiency of the internal NPCC solar alert channels.
**Working Groups/Ad Hoc Assignments**


**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.

**Status/Comments:** The LESPWG has met in March, April and May of 2001. The LESPWG successfully conducted a summer 2001 dry run/drill of the Lake Erie Emergency Redispatch procedure assuming a constraint on the IMO-MECS flowgate. Various non-emergency redispatch procedures (Market Redispatch, System redispatch, ISO/MOU Redispatch) have been reviewed for viability of implementation.

**2000 Budget:** $30,000  
**Expense to Date:** $6,500

**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.

**Status/Comments:** Following approval by the TFCO and the TFCP, the ATC Working Group's report defining NPCC methodology for calculating TTC and ATC has been posted for comment through the NPCC Process for Open Review.

**2000 Budget:** $10,000  
**Expense to Date:** $6,100
### Working Groups/Ad Hoc Assignments

<table>
<thead>
<tr>
<th>Task Force</th>
<th>Task Description</th>
<th>2000 Budget</th>
<th>2000 Expense to Date</th>
<th>Completion Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>115) NPCC Ad Hoc Operations Planning Working Group</td>
<td>Review the overall reliability of the generation and transmission system in the NPCC Region for the 2001 Summer.</td>
<td>$0</td>
<td>$7,500</td>
<td>May 2001</td>
</tr>
<tr>
<td>116) CO-9 Review of NERC Operating Standards</td>
<td>The CO-9 Working Group was charged to coordinate the reformatting of the Northeast Power Coordinating Council (NPCC) operating criteria, guides and procedures and to incorporate them into the NERC Operating Policies as Regionally specific provisions.</td>
<td>$7,500</td>
<td>$12,975</td>
<td></td>
</tr>
</tbody>
</table>

**Status/Comments:**

- **115) NPCC Ad Hoc Operations Planning Working Group:** The report for the "NPCC Reliability Assessment for Summer 2001" was submitted to the RCC on March 21, 2001 for review and comment. Comments were incorporated and a final report was issued within NPCC and to the press on May 1, 2001. A telephone press conference was held on May 1, 2001. All questions were addressed.

- **116) CO-9 Review of NERC Operating Standards:** The final draft composite NPCC-NERC Operating Manual has been held in abeyance pending the NERC effort to restructure its standards as directed by the NERC Standards Task Force.
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

**Status/ Comments:** NPCC will begin review of this document in the second half of 2001.

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

**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). Draft scope to be presented for approval at the June 28, 2001 RCC Meeting.

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:** February 14, 1996

**Frequency of Reviews:** 3 Years

**Next Review Date:** June 2001

**Status/ Comments:** Draft document finalized and will be presented for approval at the June 28, 2001 RCC meeting.
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

**Status/ Comments:** Start of review deferred to September 2001 TFCP meeting.

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:** September 2001

**Status/ Comments:** Start of review deferred to September 2001 TFCP meeting.

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

**Status/ Comments:**
Surveys/Reviews

43) Resource Adequacy — Coordination and Review of Area Studies

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

Latest Version: March 2000
Frequency of Reviews: 3 Years
Next Review Date: March 2003

Status/ Comments:

44) Resource Adequacy — Coordination and Review of Area Studies

Description: Review of the Ontario Area resource adequacy study.

Latest Version: March 2001
Frequency of Reviews: 3 Years
Next Review Date: March 2004

Status/ Comments:

45) Resource Adequacy — Coordination and Review of Area Studies

Description: Review of the Québec Area resource adequacy study.

Latest Version: June 29, 1999
Frequency of Reviews: 3 Years
Next Review Date: June 2002

Status/ Comments:
### Surveys/Reviews

<table>
<thead>
<tr>
<th>Program Item Number</th>
<th>Description</th>
<th>Latest Version</th>
<th>Frequency of Reviews</th>
<th>Next Review Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Status/ Comments:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>47)</td>
<td>Review of the New York Area future transmission plans (5-7 years out)</td>
<td>November 2000</td>
<td>1 Year</td>
<td>November 2001</td>
</tr>
<tr>
<td></td>
<td><strong>Status/ Comments:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>48)</td>
<td>Review of the New England Area future transmission plans (5-7 years out)</td>
<td>March 2000</td>
<td>1 Year</td>
<td>June 2001</td>
</tr>
<tr>
<td></td>
<td><strong>Status/ Comments:</strong></td>
<td></td>
<td></td>
<td>Final draft approved at June 7, 2001 TFCP meeting. To be sent for approval at June 28, 2001 RCC Meeting.</td>
</tr>
<tr>
<td>Program Item Number</td>
<td>Description</td>
<td>Latest Version</td>
<td>Frequency of Reviews</td>
<td>Next Review Date</td>
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<tr>
<td>---------------------</td>
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</tr>
<tr>
<td>49)</td>
<td>Review of the Ontario Area future transmission plans (5-7 years out)</td>
<td>December 2000</td>
<td>1 Year</td>
<td>December 2001</td>
</tr>
</tbody>
</table>

| Status/Comments: |

| 50)                 | Review of the Québec Area future transmission plans (5-7 years out) | September 2000 | 1 Year | November 2001 |

| Status/Comments: |

| 51)                 | Review of the Maritime Area future transmission plans (5-7 years out) | June 1999 | 1 Year | November, 2001 |

| Status/Comments: |
## Working Groups/Ad Hoc Assignments

<table>
<thead>
<tr>
<th>Program Item Number</th>
<th>Task Force on Coordination of Planning</th>
<th>Working Group</th>
<th>Assignment</th>
<th>2000 Budget</th>
<th>Expense to Date</th>
<th>Completion Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>52 CP-8</td>
<td>Working Group on the Review of Interconnection Assistance Benefits</td>
<td>Assignment</td>
<td>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.</td>
<td>$30,000</td>
<td>$76,578</td>
<td>April 2001</td>
</tr>
</tbody>
</table>

**Status/ Comments:** Completed 2001 Summer Assessment. Following up on report recommendations: 1) Continued development of data base; 2) Development of confidentiality agreements (to be discussed at June 28, 2001 RCC Meeting); 3) documentation of utilization of load relief.

| 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. | $7,500 | $650 | Ongoing |

**Status/ Comments:** CP-9 will be reformulated to as the Criteria Development Working Group (CDWG); draft scope to be presented at September 2001 TFCP meeting. CDWG will focus on 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. | $0 | $0 | Ongoing |

**Status/ Comments:**
## PROGRAM ITEM NUMBER

### Working Groups/Ad Hoc Assignments

| Assignment | 55)LCFWG Load, Capacity & Fuels Working Group | 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 |
<table>
<thead>
<tr>
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<tr>
<td>Status/ Comments:</td>
<td>Data submission completed to NERC.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Assignment</th>
<th>56)JGWG Joint Glossary Working Group</th>
<th>To maintain the NPCC Glossary of Terms (Document A-7) and to expand the Glossary to include new terms as necessary.</th>
<th>2000 Budget: $5,000</th>
<th>Expense to Date: $0</th>
<th>Next Review Date: Ongoing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status/ Comments:</td>
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</tr>
</tbody>
</table>

### Documents

<table>
<thead>
<tr>
<th>Description:</th>
<th>112)A-7 NPCC Glossary of Terms</th>
<th>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.</th>
<th>Latest Version: September 1998</th>
<th>Frequency of Reviews 1 Year</th>
<th>Next Review Date: September 2001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status/ Comments:</td>
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</tr>
</tbody>
</table>
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 2000
Frequency of Reviews: 1 Year
Next Review Date: June 2001

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

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Document Description</th>
<th>Latest Version</th>
<th>Frequency of Reviews</th>
<th>Next Review Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>87) B-12</td>
<td>Guidelines for On-Line Computer System Performance During Disturbances</td>
<td>November 1998</td>
<td>3 Years</td>
<td>November 2001</td>
</tr>
<tr>
<td></td>
<td><strong>Description:</strong> This document establishes guidelines for the performance of NPCC Area on-line computer systems during a power system disturbance.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Status/ Comments:** Reference also item number 88.

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Document Description</th>
<th>Latest Version</th>
<th>Frequency of Reviews</th>
<th>Next Review Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Description:</strong> This document establishes monitoring and reporting procedures for the B-12 Guideline, and specifically details on-line computer response objectives.</td>
<td></td>
<td></td>
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</tbody>
</table>

**Status/ Comments:** Reference also item number 87.

**Surveys/Reviews**

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Survey Description</th>
<th>Latest Review</th>
<th>Frequency of Reviews</th>
<th>Next Review Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Description:</strong> Review of on-line computer performance during system events or disturbances including all NERC regions.</td>
<td></td>
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</tr>
</tbody>
</table>

**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.
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: May 2001
Frequency of Reviews: As Required

Status/ Comments: At its May 2001 meeting, the TFEMT discussed system disturbances that have been reported to NPCC. The Task Force reported that all computer systems worked well.

91) Review On-Line Computer System Status Reports

Description: Review of member on-line computer system statuses and plans.

Latest Review: May 2001
Frequency of Reviews: As Required

Status/ Comments: Member system status reports were reviewed at the May 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.

2001 Budget: $5000
Expense to Date: $0
Last Workshop: May 14-15, 1998
Next Workshop: October 2001

Status/ Comments: A workshop is scheduled for October 2001.
### Working Groups/Ad Hoc Assignments

<table>
<thead>
<tr>
<th>Program Item Number</th>
<th>Assignment</th>
<th>Latest Review</th>
<th>Frequency of Reviews</th>
</tr>
</thead>
<tbody>
<tr>
<td>94)</td>
<td>Correspondence with other regional and national groups associated with on-line computer systems</td>
<td>Exchange of meeting minutes and other correspondence with representatives from other Regions. Also monitor IEEE and CIGRE efforts.</td>
<td>May 2001</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Program Item Number</th>
<th>Assignment</th>
<th>Latest Review</th>
<th>Frequency of Reviews</th>
</tr>
</thead>
<tbody>
<tr>
<td>95)</td>
<td>Ad Hoc Working Group on Information Exchange</td>
<td>Develop a document discussing communication channels, company contacts and coordination of outages.</td>
<td>April 2000</td>
</tr>
</tbody>
</table>

**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 Scope

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

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.
NPCC RELIABILITY ASSESSMENT PROGRAM
STATUS REPORT

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

Status/ Comments: During its review of the other protection documents, the TFSP is considering whether revisions are warranted.

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 2001

Status/ Comments: As part of the triennial review, the TFSP is considering the disposition of mandatory requirements in B-11, the implication of new technologies on protection security and dependability, whether a better tie is required between A-5 and A-2 (Basic Criteria for the Design and Operations of the Interconnected Systems), and the security aspects of protection system design. Also reference item 69.

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

Status/ Comments:
### Documents

<table>
<thead>
<tr>
<th>Program Item Number</th>
<th>Description</th>
<th>Latest Version</th>
<th>Frequency of Reviews</th>
<th>Next Review Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>61) B-7</td>
<td>Automatic Underfrequency Load Shedding Program Relaying Guideline</td>
<td>March 2, 1999</td>
<td>3 Years</td>
<td>March 2002</td>
</tr>
<tr>
<td></td>
<td><strong>Description:</strong> 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).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>62) B-11</td>
<td>Special Protection System Guideline</td>
<td>March 2, 1999</td>
<td>3 Years</td>
<td>March 2002</td>
</tr>
<tr>
<td></td>
<td><strong>Description:</strong> 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.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td><strong>Status/ Comments:</strong> At its January 2001 meeting, TFSP discussed the disposition of mandatory requirements in B-11. This document is being considered for conversion to an &quot;A&quot; criteria document.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>63) C-22</td>
<td>Procedure for Reporting and Reviewing Proposed Protection Systems for the Bulk Power System</td>
<td>April 14, 1999</td>
<td>3 Years</td>
<td>April 2002</td>
</tr>
<tr>
<td></td>
<td><strong>Description:</strong> 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.</td>
<td></td>
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</tr>
</tbody>
</table>
### Task Force on System Protection

#### Documents

<table>
<thead>
<tr>
<th>Task Force Scope</th>
<th>Description: This document outlines the Task Force on System Protection scope of activities.</th>
<th>Latest Version: June 29, 1999</th>
</tr>
</thead>
<tbody>
<tr>
<td>Task Force Scope</td>
<td>Frequency of Reviews: 3 Years&lt;br&gt;Next Review Date: June 2002</td>
<td>Status/Comments: As directed by the RCC at the March 21, 2000 meeting, the TFSP and TFEMT are discussing potential changes in their scopes necessary to clearly define their respective roles regarding areas of complementary or overlapping interests.</td>
</tr>
</tbody>
</table>

**Surveys/Reviews**

<table>
<thead>
<tr>
<th>Review protection systems for proposed installations or existing installations undergoing substantial modifications</th>
<th>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).</th>
<th>Latest Version: Ongoing&lt;br&gt;Frequency of Reviews: As Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Task Force Scope</td>
<td>Status/Comments: At each meeting, the TFSP discusses protection system changes, including SPS installations and modifications, as proposed by the member systems.</td>
<td></td>
</tr>
</tbody>
</table>
Surveys/Reviews

69) 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 NERC/DAWG System Disturbance Reports for 1998 and 1999 have recently been published and are under review by TFSP.

Working Groups/Ad Hoc Assignments

70) 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:** September 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.

Documents

114)C-30 Procedure for Task Force on System Protection Review of Disturbances

**Description:** 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

**Status/ Comments:**
**PROGRAM ITEM NUMBER**

**Documents**

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Latest Version</th>
<th>Frequency of Reviews</th>
<th>Next Review Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>123)B-21</td>
<td>Guide for Analysis and Reporting of Protection System Misoperations</td>
<td>March 2001</td>
<td>3 years</td>
<td>March 2004</td>
</tr>
</tbody>
</table>

**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.
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:** August 7, 1996

**Frequency of Reviews:** 3 Years

**Next Review Date:** July 2001

**Status/ Comments:** A draft revised document is currently posted for open process review. Comments will be accepted through July 14th 2000 and the document will be presented for RCC approval at the November meeting.

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.

**Latest Version:** June 26, 1998

**Frequency of Reviews:** 3 years

**Next Review Date:** August 2001

**Status/ Comments:** The document is currently undergoing revision by the Task Force and will be presented to the RCC for approval at their November meeting.

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

**Status/ Comments:**
### Documents

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Latest Version</th>
<th>Frequency of Reviews</th>
<th>Next Review Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>74) C-25</td>
<td>Procedure to Collect Real Time Data for Inter-Area Dynamic Analysis</td>
<td>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.</td>
<td>February 1, 1996</td>
<td>3 years</td>
</tr>
</tbody>
</table>

**Status/ Comments:** The draft revised document is currently posted for open process review. Comments will be accepted through July 15, 2000 with final approval expected at the July TFSS meeting.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Latest Version</th>
<th>Frequency of Reviews</th>
<th>Next Review Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>75)</td>
<td>Task Force Scope</td>
<td>The Task Force on System Studies scope of activities.</td>
<td>February 1997</td>
<td>3 Years</td>
</tr>
</tbody>
</table>

**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 July 19-20, 2001 TFSS meeting.

### Surveys/Reviews

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Latest Version</th>
<th>Frequency of Reviews</th>
<th>Next Review Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>76)</td>
<td>NPCC Area Transmission Review</td>
<td>Review of New York Area future transmission plans (5-7 years out)</td>
<td>November 2000</td>
<td>1 Year</td>
</tr>
</tbody>
</table>

**Status/ Comments:** The New York Area comprehensive Transmission Review was approved by the TFSS at the July 20-21, 2000 meeting. The Area Review was also approved by TFCP and it has been provided to the RCC for approval during the November 2000 meeting. New York will be conducting an Intermediate Review in 2001.
Surveys/Reviews

77) NPCC Area Transmission Review **Description:** Review of New England Area future transmission plans (5-7 years out)

**Latest Version:** March 2001

**Frequency of Reviews** 1 Year

**Next Review Date:** March 2002

**Status/ Comments:** New England's comprehensive review will be presented to the RCC at the June 2001 meeting. An interim review will be conducted in 2002.

78) NPCC Area Transmission Review **Description:** Review of Ontario Area future transmission plans (5-7 years out)

**Latest Version:** December 1999

**Frequency of Reviews** 1 Year

**Next Review Date:** November 2001

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

79) NPCC Area Transmission Review **Description:** Review of Québec Area future transmission plans (5-7 years out)

**Latest Version:** September 2000

**Frequency of Reviews** 1 Year

**Next Review Date:** November 2001

**Status/ Comments:** Transenergie will be 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 (5-7 years out)

**Latest Version:** June 1999

**Frequency of Reviews:** 1 Year

**Next Review Date:** July 2001

**Status/Comments:** The Maritime Area Interim Review reports are being prepared by Nova Scotia and New Brunswick for TFSS review during the July 19-20 TFSS Meeting.

81) **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 will be conducted by the SS-38 Working Group. This study will be initiated once SS-38 completes the Overall NPCC Review. See item #86.

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:** October 2000

**Frequency of Reviews:** 1 Year

**Completion Date:** November 2001

**Status/Comments:** All load flow cases required as part of the 2000 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.
## Surveys/Reviews

<table>
<thead>
<tr>
<th>Program Item Number</th>
<th>Description</th>
<th>Latest Version</th>
<th>Frequency of Reviews</th>
<th>Completion Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>83) SS-38</td>
<td>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.</td>
<td>September 1997</td>
<td>3 Years</td>
<td>July 2001</td>
</tr>
</tbody>
</table>

**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 will be approved by TFSS at their July 19-20 meeting with submission to the RCC planned for November 2001. The SS38 has also begun a study of the UFLS program in NPCC to determine its effectiveness and verify it is coordinated both from an inter-Area and inter-Regional perspective.

<table>
<thead>
<tr>
<th>Program Item Number</th>
<th>Description</th>
<th>Latest Version</th>
<th>Frequency of Reviews</th>
<th>Next Review Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>84)</td>
<td>This review summarizes the characteristics of recording devices used to capture power system dynamic phenomena.</td>
<td>June 4, 1999</td>
<td>3 Years</td>
<td>June 2002</td>
</tr>
</tbody>
</table>

**Status/ Comments:** The survey and associated report is available on the NPCC web site under TFSS, Archives.
### Working Groups/Ad Hoc Assignments

<table>
<thead>
<tr>
<th>Program Item Number</th>
<th>Working Group</th>
<th>Assignment</th>
<th>2000 Budget</th>
<th>Expense to Date</th>
<th>Completion Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>85) SS-37</td>
<td>Base Case Development</td>
<td>On an annual basis, develop a library of solved load flow cases and associated dynamic data.</td>
<td>$20,000</td>
<td>$1,250</td>
<td>Ongoing</td>
</tr>
<tr>
<td>86) SS-38</td>
<td>Working Group on Inter-Area Dynamic Analysis</td>
<td>Assigned to analyze dynamic phenomena, which may affect interconnected system reliability, especially in the area of low frequency oscillations.</td>
<td>$20,000</td>
<td>$10,250</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>

**Status/ Comments:**

- **85) SS-37 Base Case Development:** All load flow cases required for the NPCC year 2000 Base Case Development effort have been completed and submitted to NERC MMWG. The group is currently working on the cases for the 2001 Base Case Development.

- **86) SS-38 Working Group on Inter-Area Dynamic Analysis:** 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. It is anticipated that the study will receive TFSS approval and be presented to the RCC in June 2001.
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 2001 Summer MEN Interregional Transmission System Reliability Assessment was completed and was provided to the Joint Interregional Review Committee at its May 8, 2001 meeting. After approval, the report was placed in the "Seasonal Assessments" folder on the NPCC Home Page. Also reference items 96, 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 completed the 2001 Summer MEN Interregional Transmission System Reliability Assessment. The report was provided to the Joint Inter-regional Review Committee for review and was subsequently published on May 15, 2001. The Group is developing the 2001/02 winter study case.
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.
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:** May 2001

**Status/ Comments:** The Reliability Assessment Subcommittee's report on "Reliability Assessment 2001-2010" is in progress. The RAS finalized its assessment of summer 2001 operating conditions with a press conference on May 15, 2001.

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 II 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.
NPCC RELIABILITY ASSESSMENT PROGRAM
STATUS REPORT

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: At its November 2000 meeting, NERC Planning Committee approved the merger of SDDWG (reference item 105) and MMWG. This took effect immediately. The name MMWG was retained for the combined MMWG/SDDWG group. The new MMWG was directed to review and update the existing data release policies for power flow and dynamic data and models. In 2001, MMWG will assemble five dynamic models and eleven load flow models that will constitute the 2001 base case library. The NPCC SS-37 Working Group on Base Case Development provides the NPCC data for the base case library development. The dynamic models will be released by May 31, 2001.

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: July 2001

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. The next meeting of the LFWG will be held on June 5, 2001 in Montreal.
### Working Groups/Ad Hoc Assignments

<table>
<thead>
<tr>
<th>Program Item Number</th>
<th>Working Group</th>
<th>Assignment</th>
<th>2000 Budget</th>
<th>Expense to Date</th>
<th>Completion Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>104 DCWG</td>
<td>Data Coordination Working Group</td>
<td>Serve as the electric utility industry's coordinator with the Department of Energy (DOE) and the Energy Information Administration (EIA) in summitting yearly data and in negotiating the requirements for data submission to the EIA.</td>
<td></td>
<td></td>
<td>June 2001</td>
</tr>
<tr>
<td></td>
<td><strong>Status/ Comments:</strong></td>
<td>The NERC DCWG met on May 16-18 with representatives from EIA to discuss results of this year’s data collection effort and to plan next year’s effort. In addition, EIA’s major overhaul of the data requirements, planned for year 2002, was also discussed. 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>105 SDDWG</td>
<td>System Dynamics Database Working Group</td>
<td>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.</td>
<td>$15,000</td>
<td>$0</td>
<td>Ongoing</td>
</tr>
<tr>
<td></td>
<td><strong>Status/ Comments:</strong></td>
<td>At its November 2000 meeting, the NERC Planning Committee approved Powertech Labs Inc. beginning in 2001 as the contractor for the maintenance of a system dynamics database and the development of dynamics simulation models for the Eastern Interconnection. The PC also approved, the merger of SDDWG and MMWG (reference item 101). The merger was effective immediately and the name MMWG was retained for the combined MMWG/SDDWG group.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 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 is 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.

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**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 is working jointly with the PSS on revising the Phase III Planning Standards Templates; continuing development of sanctions/penalties matrices, and discussing means to streamline the implementation of future Phases of the NERC Compliance Program.

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**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

**Status/ Comments:** Compliance Subcommittee review future Operating Compliance Templates.
### BUDGET SUMMARY

<table>
<thead>
<tr>
<th>ITEM NUMBER</th>
<th>PROJECT DESCRIPTION</th>
<th>2001 BUDGET</th>
<th>2001 EXPENSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>CO-1 Control Performance Working Group</td>
<td>$27,000</td>
<td>$3,900</td>
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<tr>
<td>31</td>
<td>CO-2 Dispatcher Training Working Group</td>
<td>$22,350</td>
<td>$4,950</td>
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<tr>
<td>32</td>
<td>CO-7 Operational Review Team Working Group</td>
<td>$25,000</td>
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<tr>
<td>33</td>
<td>CO-8 System Operations Managers Working Group</td>
<td>$25,000</td>
<td>$1,900</td>
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<tr>
<td>116</td>
<td>CO-9 Operational Policies Working Group</td>
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<tr>
<td></td>
<td>CO-10 Operational Tools Working Group</td>
<td>$20,000</td>
<td>$1,300</td>
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<tr>
<td>36</td>
<td>ATC NPCC Ad Hoc ATC Working Group</td>
<td>$10,000</td>
<td>$4,500</td>
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<tr>
<td>35</td>
<td>LECWG Lake Erie Circulation Working Group</td>
<td>$15,000</td>
<td>$650</td>
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<tr>
<td></td>
<td>IRCWG Inter-Control Area Restoration Coordination Working Group</td>
<td>$16,000</td>
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<td>ETIWG Electronic Tagging Implementation Working Group</td>
<td>$21,000</td>
<td>$100</td>
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<td>52</td>
<td>CP-8 Resource and Transmission Adequacy Working Group</td>
<td>$70,000</td>
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<td>53</td>
<td>CP-9 Review of NERC Planning Standards</td>
<td>$7,500</td>
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<td>CP-10 Collaborative Planning Initiative Working Group</td>
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<tr>
<td>56</td>
<td>JGWG Joint Glossary Working Group</td>
<td>$5,000</td>
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<tr>
<td>55</td>
<td>LCFWG Load, Capacity &amp; Fuels Working Group</td>
<td>$1,000</td>
<td></td>
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<tr>
<td>85</td>
<td>SS-37 Base Case Development</td>
<td>$30,000</td>
<td>$3,200</td>
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<td>86</td>
<td>SS-38 Reliability Review of Inter-Area Operation</td>
<td>$30,000</td>
<td>$13,400</td>
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<td>92</td>
<td>EMT-1 Energy Management Technology Workshop Working Group</td>
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<tr>
<td>97</td>
<td>MEN MAAC-ECAR-NPCC Activities</td>
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<td>$4,350</td>
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<tr>
<td>101</td>
<td>MMWG Multiregional Modeling Working Group</td>
<td>$7,213</td>
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<tr>
<td>105</td>
<td>SDDWG Dynamic Database Working Group</td>
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<td></td>
<td>CMAS Compliance Monitoring Assessment Subcommittee</td>
<td>$3,200</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NERCWG NERC Subcommittees, Working Groups and Task Forces</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NERC-ISN Interregional Security Network(ISN)</td>
<td>$37,315</td>
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</tr>
<tr>
<td>115</td>
<td>Ad Hoc WG Summer 2000 Capacity</td>
<td>$20,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>$386,850</td>
<td>$90,828</td>
</tr>
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* At its September 7, 2000 meeting, the Executive Committee approved a recommendation that NPCC’s 2001 Regional Budget include $300,000 in Account #800 “Project Expense”.

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**Appendix A**

June 21, 2001
GOALS AND RESPONSIBILITIES

The Northeast Power Coordinating Council (NPCC) Membership Agreement, as amended to November 9, 1999, specifies:

"The purpose of the Council is to promote the reliable and efficient operation of the interconnected bulk power systems in Northeastern North America through the establishment of criteria, coordination of system planning, design and operations, and assessment of compliance with such criteria."

Consistent with the purpose, NPCC has established a Reliability Assessment Program. This program brings together work done by the Council, its member systems and Areas (Independent System Operators - ISOs) relevant to the assessment of bulk power system reliability. Reviews and studies completed by member systems and Areas (ISOs) are not duplicated by the Council, but are referenced in appropriate NPCC reports.

The overall program includes two categories of assessment:
1. Standing Assessments
2. Ad Hoc Assessments

Standing Assessment

The Reliability Coordinating Committee (RCC) has the responsibility for assessing the reliability of the present and proposed bulk power systems of the NPCC members. To this end, the RCC has assigned duties on an ongoing basis to NPCC Staff, the NPCC Compliance Monitoring and Assessment Subcommittee (CMAS) and to the Task Forces as generally covered by their respective scopes and specifically assigned in the attached program. Included in the assignment are: system studies applicable to intra-regional reviews; the formation and review of NPCC criteria, guides, procedures & diagrams; and coordination of generation and transmission plans among the various investigations. In addition, all NPCC documents are regularly reviewed, and updated where required. Finally, compliance by NPCC members with the NPCC Criteria and Guides and the NERC Operating and Planning Standards are assessed on a regular basis by CMAS.

Ad Hoc Assessments

Flexibility to deal with non-routine issues is retained through assignments made by the RCC on an ad hoc basis to Staff, Task Forces or ad hoc committees as appropriate. These assignments might include, for example, assessments of major system disturbances, whether they occur within the NPCC region or elsewhere. NPCC's participation in similar activities by NERC or governmental agencies would also be considered part of the Program.

General

The Reliability Coordinating Committee is responsible for assignment, final review and approval of all reports. Final approval of criteria documents, following approval by the RCC, rests with the NPCC member systems.

The various Task Forces, Staff and ad hoc committees, acting individually or in concert, are responsible for the conduct of both the standing assessments and the ad hoc assessments.

The NPCC Staff is responsible for the overall coordination of the Program.

Since the Program is by nature ongoing and dynamic, it will be modified by the RCC when deemed necessary.